CHAPTER-E-21

Sl No	Drawing Name	Drawing Number
1	Single Line Diagram (GIS S/s)	ODSSP/SS/SLD/1-REV-C
2	Single Line Diagram (Outdoor S/s)	ODSSP/SS/SLD/3
3	Sub- station Layout for GIS Type	ODSSP/SS/SLY/1
4	Sub- station Layout for Outdoor Type	ODSSP/SS/SLY/2
5	T1 Column With Beam Arrangement in Substation	ODSSP/SS/3/ REV-A
6	T2 Column With Beam Arrangement in Substation	ODSSP/SS/4/ REV-A
7	G3 For 33 kV Incomer in Substation	ODSSP/SS/5
8	33 kV V Cross Arm for RS Joist in Substation	ODSSP/SS/6
9	33 kV SI Structure (Outdoor) in Substation	ODSSP/SS/7
10	33 kV CT Structure (Outdoor) in Substation	ODSSP/SS/8
11	Earthmat Flat Jointing	ODSSP/SS/9
12	Cable Trench for 1500 mm	ODSSP/SS/10-REV-B
13	4 Bolted Tension Clamp	ODSSP/SS/11-REV-B
14	33 kV 1250A Double Tandem Double Break Centre Rotating Isolator With one Earth Switch	ODSSP/SS/12
15	11 kV 1250A Double Tandem Double Break Centre Rotating Isolator With one Earth Switch	ODSSP/SS/13
16	33 kV 1250A Double Tandem Double Break Centre Rotating Isolator Without Earth Switch	ODSSP/SS/14
17	11 kV 1250A Double Tandem Double Break Centre Rotating Isolator Without Earth Switch	ODSSP/SS/15
18	Structural Detail of 33kV Tower Type- T8 & T9 in Substation	ODSSP/SS/16
19	Structural Detail of Girder Type G-4	ODSSP/SS/17
20	Structural Detail of Girder Type G-6	ODSSP/SS/18

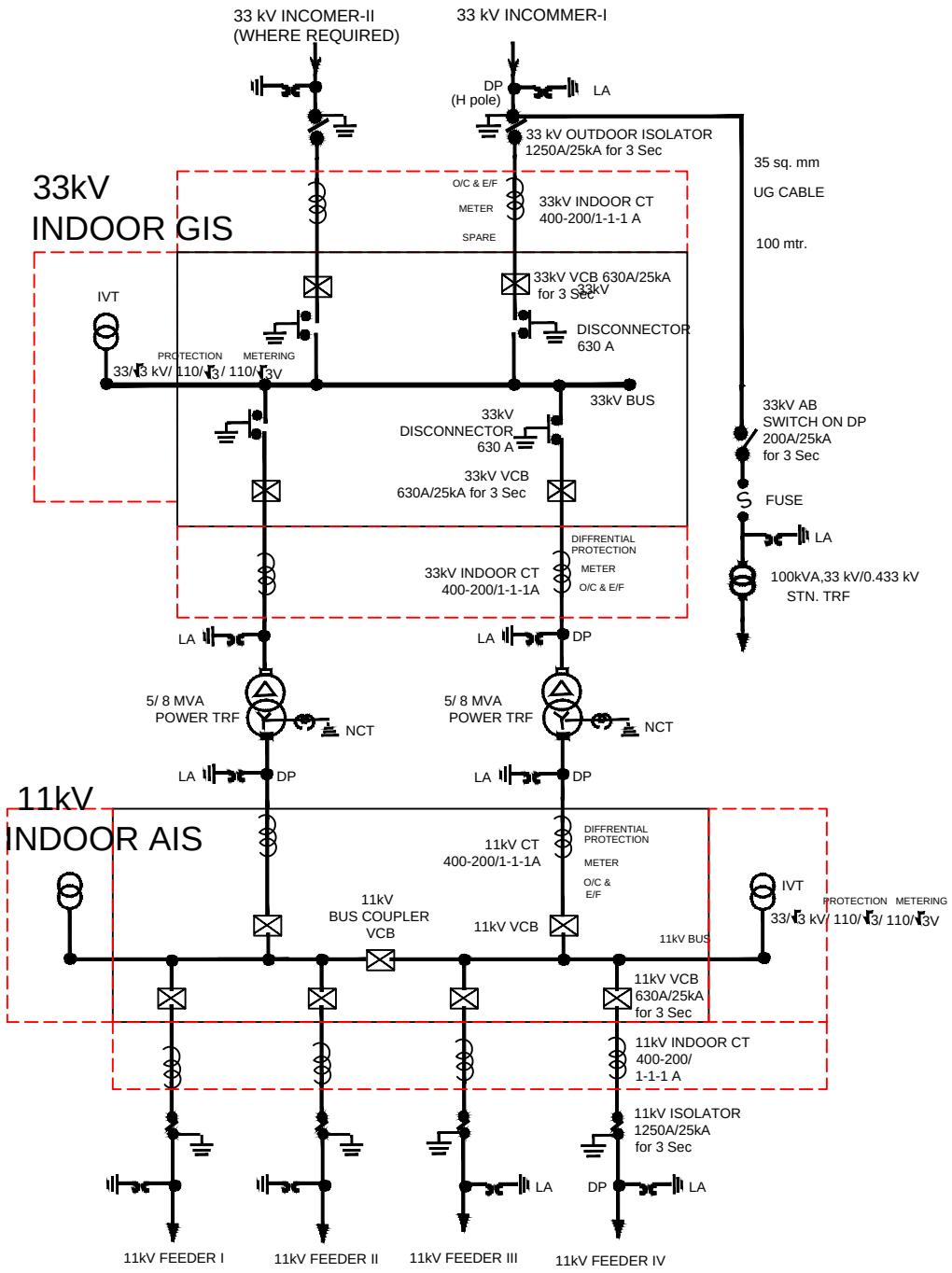
21	Structural Detail of 33kV Single Isolator without Earth Switch (OPTCL Sub-Station)	ODSSP/SS/19
22	Structural Detail of 33kV Double Isolator with & without Earth Switch (OPTCL Sub-Station)	ODSSP/SS/20
23	Structural Detail of 33kV CT & PI (OPTCL Sub-Station)	ODSSP/SS/21
24	H type Pole Design	ODSSP/SS/22
25	Foundation of H type Pole	ODSSP/SS/23/REV-A
26	Cross Sectional View of 33kV Cable, Un-Armoured, Single Core & 11kV Cable, Armoured, Three Core	ODSSP/SS/24-REV-C
27	Cable Trench for 750 mm	ODSSP/SS/25
28	Cable Trench for 500 mm	ODSSP/SS/26
29	3 ½ C LT Power Cable	ODSSP/SS/27-REVA
30	T1A & T2A Column With Beam Arrangement in Substation	ODSSP/SS/28
31	T3 Column With Beam Arrangement in Substation	ODSSP/SS/29
32	Bolt Arrangement for 33kV Outdoor Substation.	ODSSP/SS/30
33	G1, G2 & R1 For 33 kV Incomer in Substation	ODSSP/SS/31
34	DP structure used for 11kV Gantry at S/s	ODSSP/SS/32
35	DP structure for 33/0.4kV Station Transformer	ODSSP/SS/33
36	DP structure in S/s and Line	ODSSP/LINE/1- REV-B
37	300kg 10 Mtr PSC Pole	ODSSP/ LINE /3
38	11kV V Cross arm for RS Joist Pole	ODSSP/LINE /4
39	11kV V Cross arm for PSC Pole	ODSSP/ LINE /5-REV-A
40	Earthing Device	ODSSP/LINE/6
41	Arrangements of Spikes with Column Structure	ODSSP/LINE/7
42	Tension Assembly for Earth wire	ODSSP/LINE/8
43	Suspension Assembly for Earth wire	ODSSP/LINE/9

44	+6M Extension to PC Tower Structure (River Crossing)	ODSSP/LINE/10
45	Jointing of GI R.S Joist Pole	ODSSP/LINE/11
46	33 & 11 KV Danger Board	ODSSP/LINE/15
47	PC Tower Structure Top	ODSSP/LINE/16
48	PC Tower Structure Template	ODSSP/LINE/17
49	PC Tower Structure Bottom	ODSSP/LINE/18
50	Foundation of PC Tower Structure	ODSSP/LINE/19
51	Single Tension Hardware Assembly	ODSSP/LINE/20
52	Double Tension Hardware Assembly	ODSSP/LINE/21
53	Cross Sectional View of 33kV Cable, Un-Armoured, Single Core & 11kV Cable, Armoured, Three Core	ODSSP/LINE/25-REV-C
54	33kV Single Circuit Laying Arrangement	ODSSP/LINE/26-REV-A
55	11kV Single Circuit Laying Arrangement	ODSSP/LINE/27-REV-A
56	Foundation for PSC Pole	ODSSP/ CIVIL /1-REV-A
57	Foundation for RS Joist Pole	ODSSP/ CIVIL /2-REV-B
58	Foundation For T1 & T2 Columns (Sub-Station)	ODSSP/CIVIL/3- REV-A
59	Foundation for Power Transformer	ODSSP/CIVIL/4- REV-C
60	Foundation for 100 KVA Station Transformer	ODSSP/CIVIL/5- REV-B
61	Retaining Wall for Switchyard	ODSSP/CIVIL/6- REV-A
62	Drain	ODSSP/CIVIL/7- REV-A
63	Foundation Plan for T1,T2,T1A, T2A, T3 Column with Foundation Bolt	ODSSP/CIVIL/8
64	Foundation for 33kV VCB with CT (Outdoor)	ODSSP/CIVIL/9
65	Road Inside Sub-Station	ODSSP/ CIVIL /11-REV-B
66	Layout Plan of Compound Wall	ODSSP/ CIVIL /12
67	Structural Design & Detailing of Compound Wall (Pile Foundation)	ODSSP/ CIVIL /13, Sheet-1/2
68	Structural Design & Detailing of Compound Wall (Open Foundation)	ODSSP/ CIVIL /13-REV-A, Sheet-2/2

69	Culvert Drawing	ODSSP/ CIVIL /14
70	Left Side & Front Side Elevation Drawing of Control Room Building for Flood Zone	ODSSP/ CIVIL /15-REV-A, Sheet-1/5
71	Rear Side & Right Side Elevation Drawing of Control Room Building for Flood Zone	ODSSP/ CIVIL /15, Sheet-2/5
72	Architectural Drawing for First Floor & Terrace Plan of Control Room Building for Flood Zone	ODSSP/ CIVIL /15, Sheet-3/5
73	Architectural Drawing for Ground Floor and Sectional Plan of Control Room Building for Flood Zone	ODSSP/ CIVIL /15, Sheet-4/5
74	Architectural Drawing for Lower Floor Plan of Control Room Building for Flood Zone	ODSSP/ CIVIL /15, Sheet-5/5
75	First Floor Roof Beam Reinforcement Details of Control Room Building for Flood Zone	ODSSP/ CIVIL /16, Sheet-1/4
76	Ground Floor Roof Beam Reinforcement Details of Control Room Building for Flood Zone	ODSSP/ CIVIL /16, Sheet-2/4
77	Lower Floor Roof Beam and Lintel Reinforcement Details of Control Room Building for Flood Zone	ODSSP/ CIVIL /16, Sheet-3/4
78	Staircase and other Misc. details of Control Room Building for Flood Zone	ODSSP/ CIVIL /16, Sheet-4/4
79	Column & Foundation Reinforcement Details of Control Room Building for Flood Zone (Pile Foundation)	ODSSP/ CIVIL /17, Sheet-1/2
80	Pile, Pile Cap & Grade Beam Reinforcement Details of Control Room Building for Flood Zone (Pile Foundation)	ODSSP/ CIVIL /17, Sheet-2/2
81	Column & Foundation Reinforcement Details of Control Room Building for Flood Zone (Open Foundation)	ODSSP/ CIVIL /18, Sheet-1/2

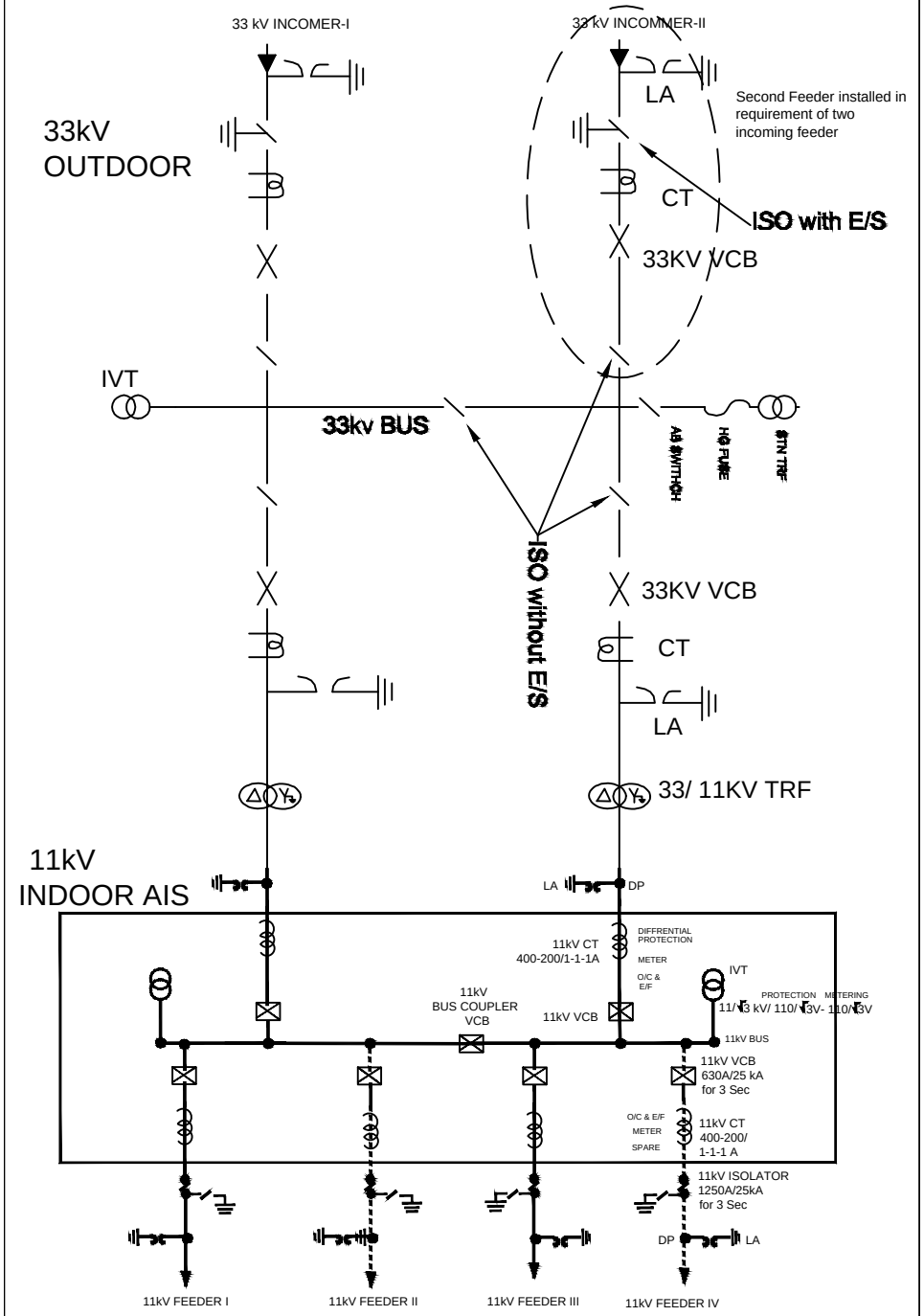
82	Plinth Beam & Lintel Reinforcement Details of Control Room Building for Flood Zone (Open Foundation)	ODSSP/ CIVIL /18, Sheet-2/2
83	All Side Elevation & Sectional Drawing of Control Room Building for Non-Flood Zone	ODSSP/ CIVIL /19, Sheet-1/5
84	Ground Floor & Terrace Plan for Non-Flood Zone	ODSSP/ CIVIL /19, Sheet-2/5
85	Roof Beam Reinforcement Details of Control Room Building for Non-Flood Zone	ODSSP/ CIVIL /19, Sheet-3/5
86	Plinth Beam & Lintel Reinforcement Details of Control Room Building for Non-Flood Zone	ODSSP/ CIVIL /19, Sheet-4/5
87	Staircase and other Misc. details of Control Room Building for Non-Flood Zone	ODSSP/ CIVIL /19, Sheet-5/5
88	Column & Foundation Reinforcement Details of Control Room Building(Open Foundation) for Non-Flood Zone	ODSSP/ CIVIL /20-REV-A
89	Column & Foundation Reinforcement Details of Control Room Building(Pile Foundation) for Non-Flood Zone	ODSSP/ CIVIL /21, Sheet-1/2
90	Pile, Pile Cap & Grade Beam Reinforcement Details of Control Room Building(Pile Foundation) for Non-Flood Zone	ODSSP/ CIVIL /21, Sheet-2/2

PROPOSED SINGLE LINE DIAGRAM FOR 2X5/8 MVA, 33/11 kV GIS INDOOR S/S
(33 kV GIS INDOOR, 11 kV AIS INDOOR)



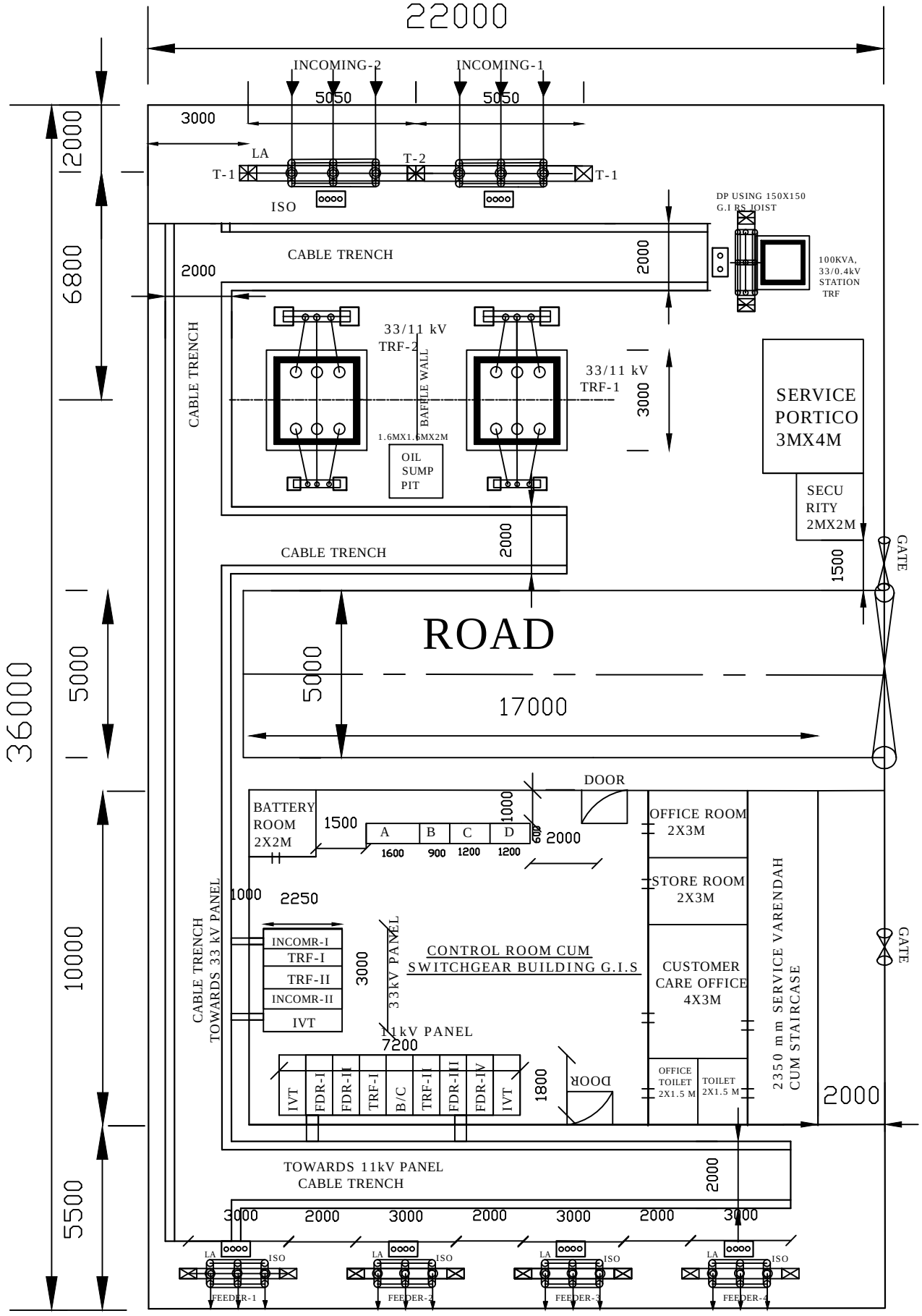
DRAWING NO - ODSSP/ SS/ SLD/1-REV-C

PROPOSED SINGLE LINE DIAGRAM FOR 2X3.15/ 5/ 8 MVA, 33 kV OUTDOOR & 11kV INDOOR S/S



DRAWING NO - ODSSP/ SS/ SLD/ 3

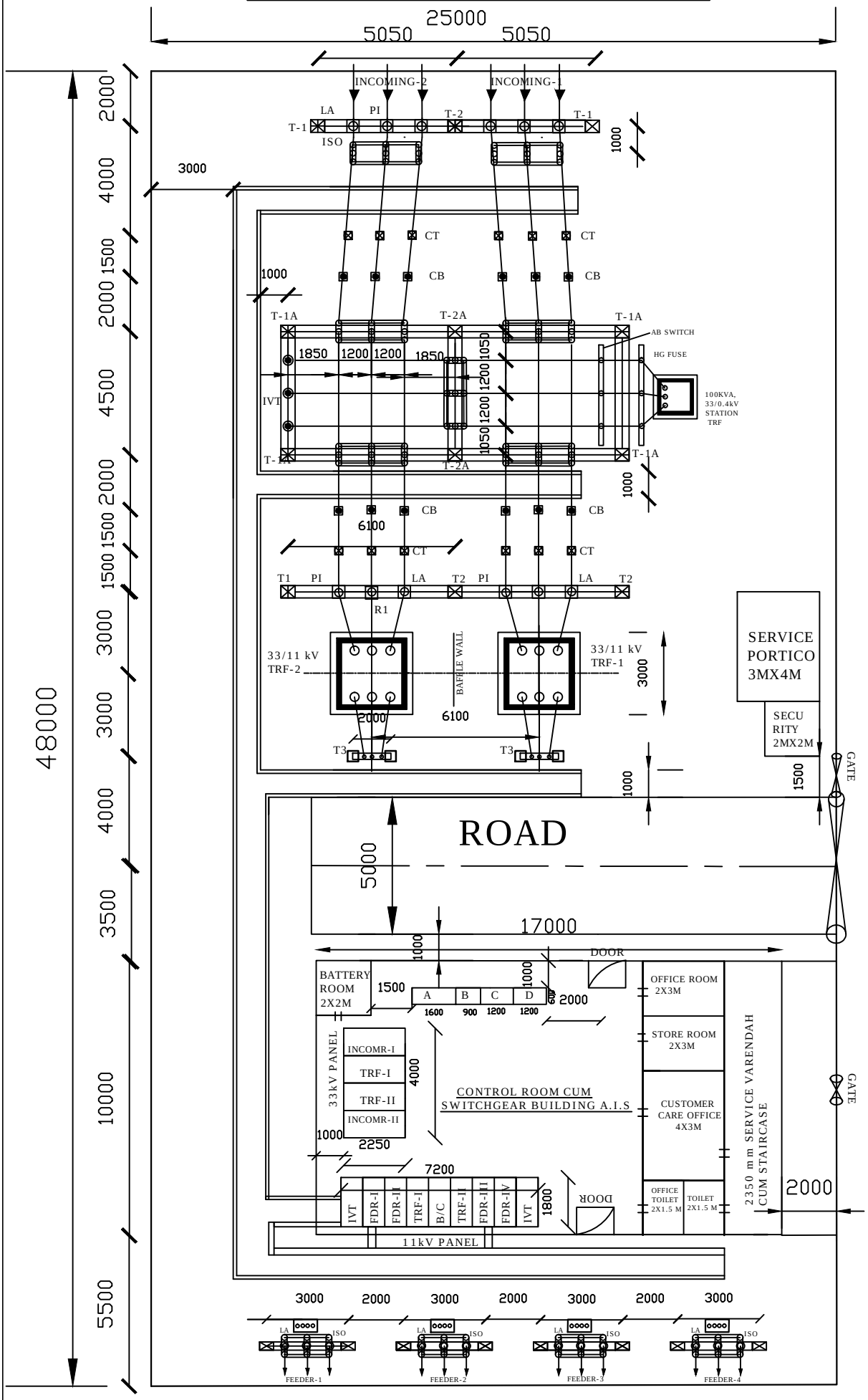
SUB-STATION LAYOUT(GIS)



NOTE:-
A-CHARGER ,B-ACDB , C-RTCC-1 & RTCC-2, D-RTU

DRG NO .- ODSSP / SS / SLY/ 1

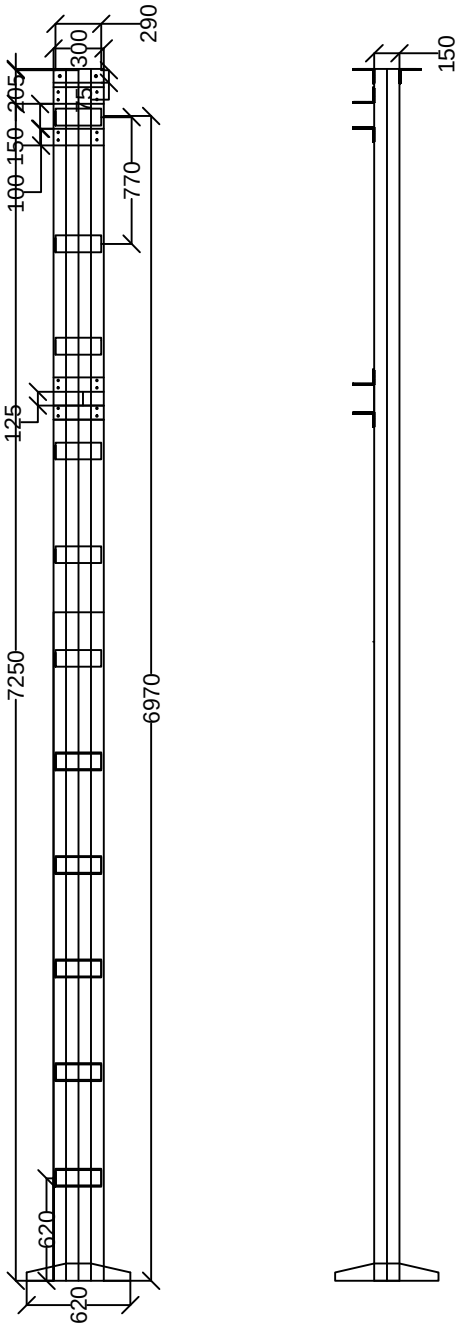
SUB-STATION LAYOUT(OUTDOOR)



NOTE:-
A-CHARGER ,B-ACDB , C-RTCC-1 & RTCC-2, D-RTU

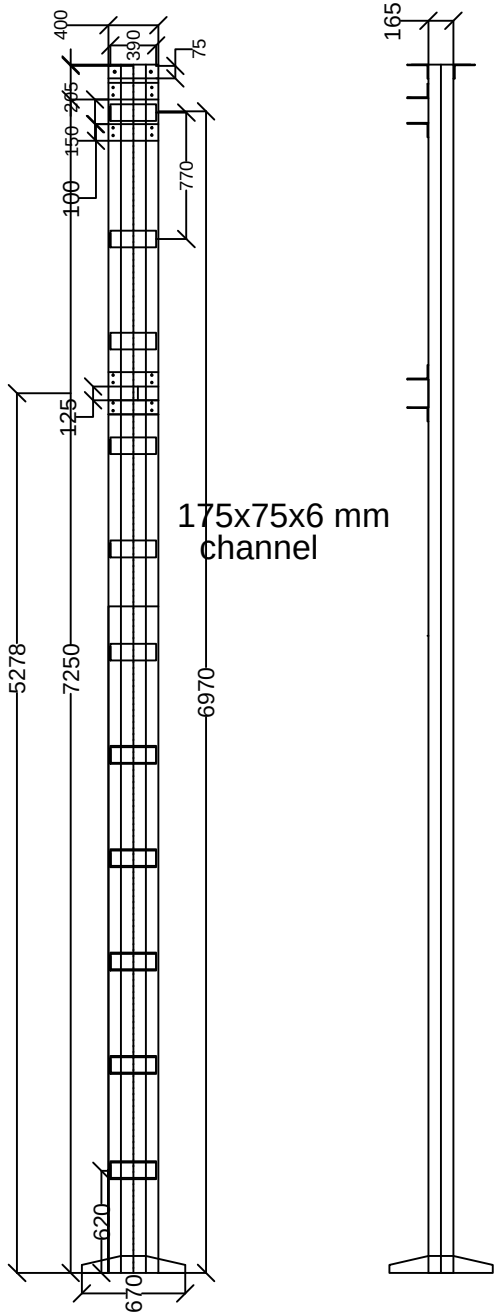
DRG NO .- ODSSP / SS / SLY/ 2

T1 COLUMN WITH BEAM ARRANGEMENT

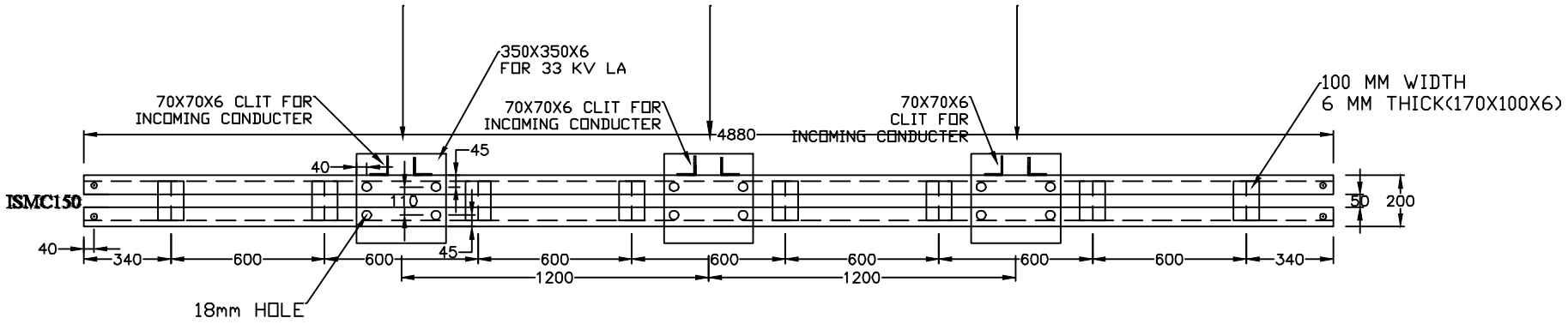


DRG NO-ODSSP/SS/3/REV-A

T2 COLUMN WITH BEAM ARRANGEMENT



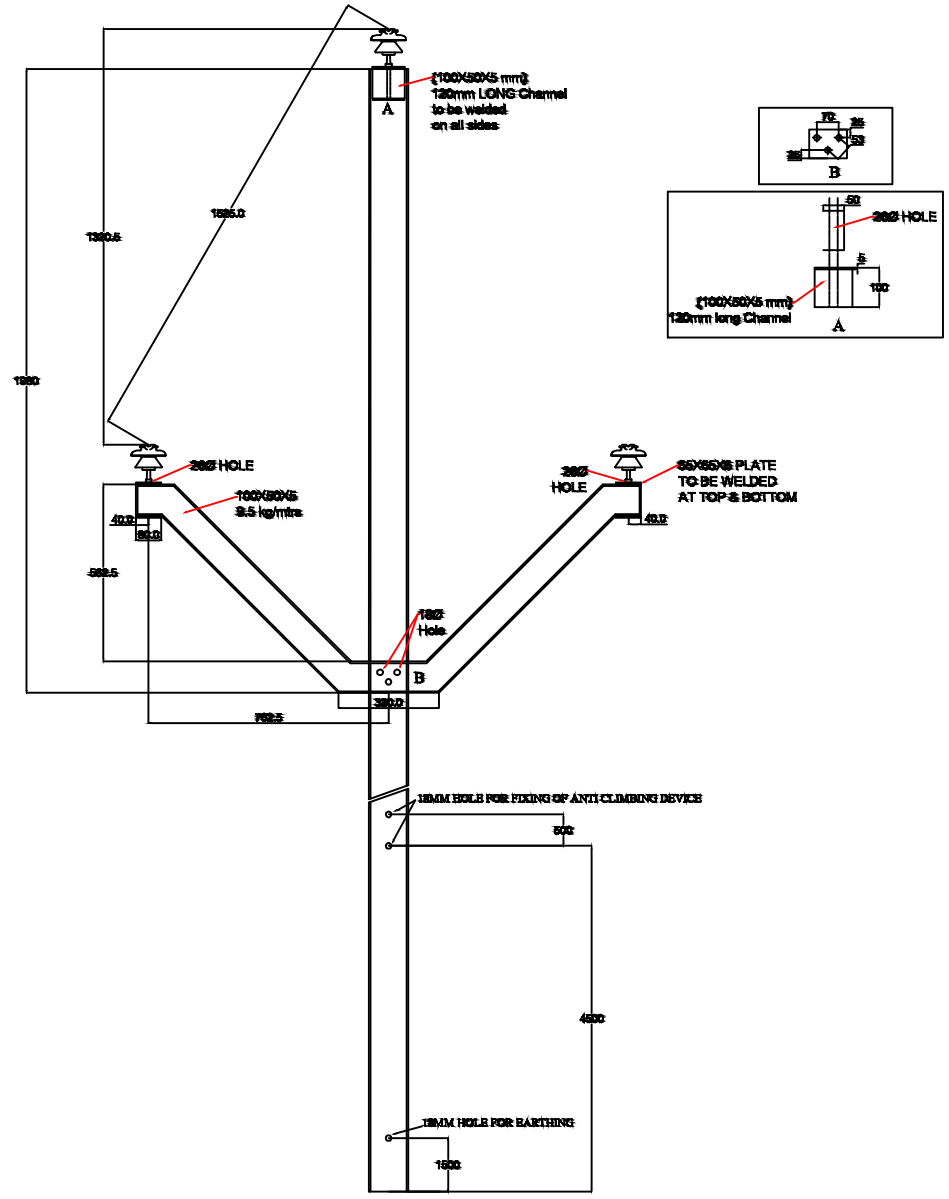
DRG NO-ODSSP/SS/4/REV-A



G3 FOR 33 KV INCOMMER.

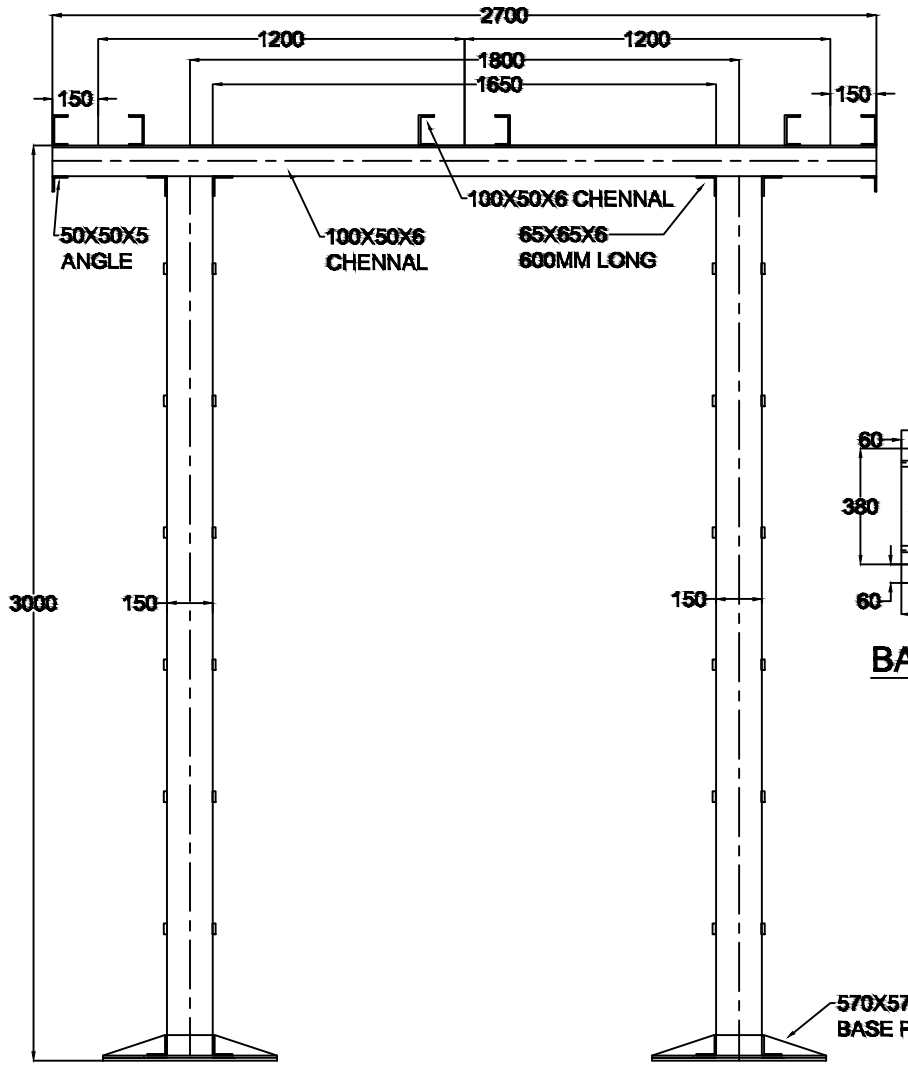
DRG NO .- ODSSP / SS / 5

33Kv V-CROSS ARM FOR RS JOIST

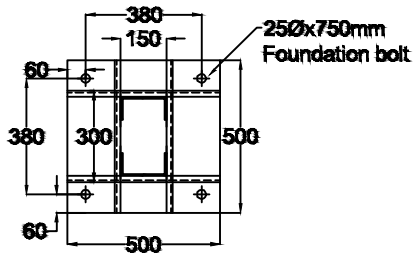


DRG NO .- ODSSP / SS / 6

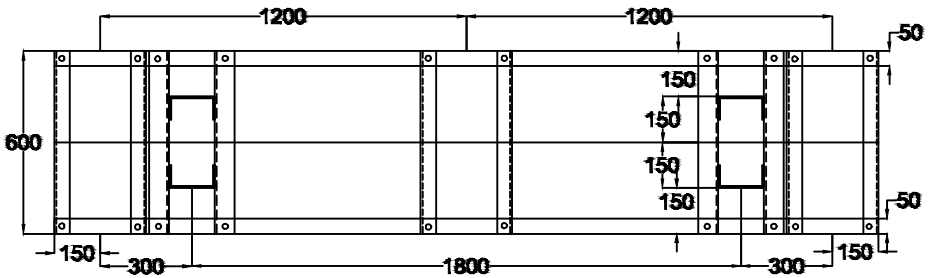
33 kV SI STRUCTURE (OUTDOOR)



ELEVATION



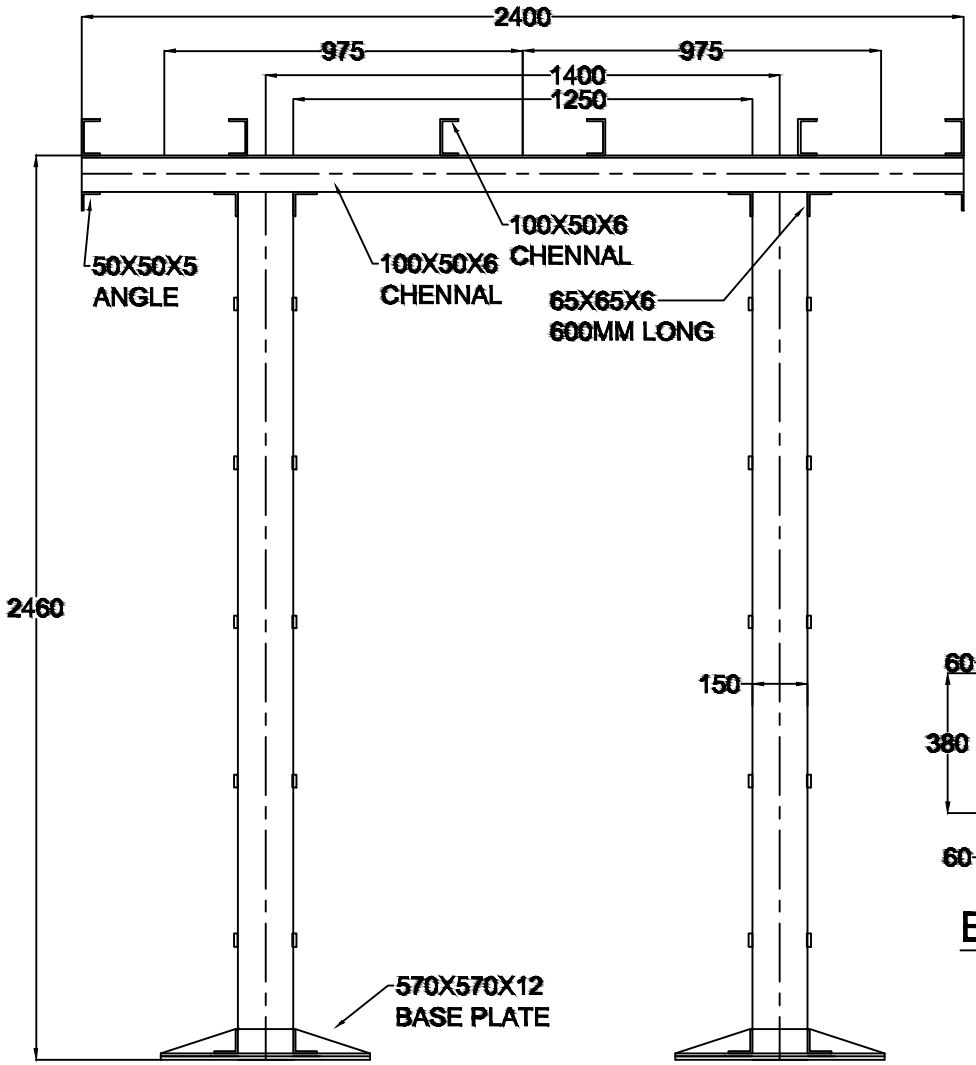
BASE PLATE



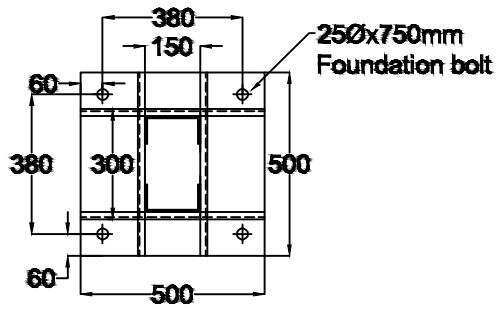
PLAN

DRG NO .- ODSSP / SS / 7

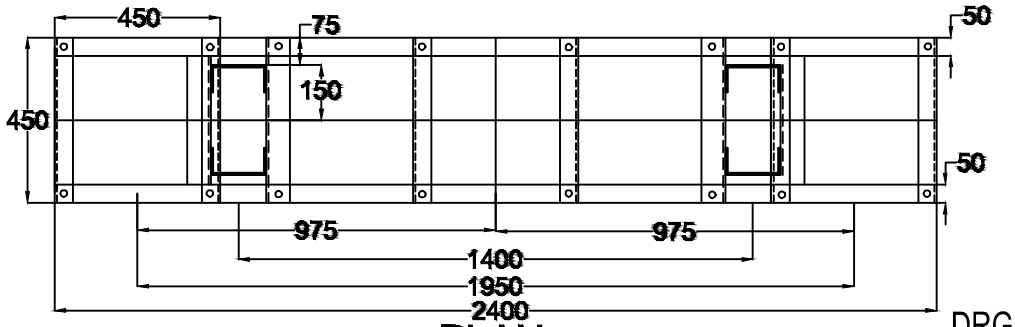
33 kV CT STRUCTURE
(OUTDOOR)



ELEVATION



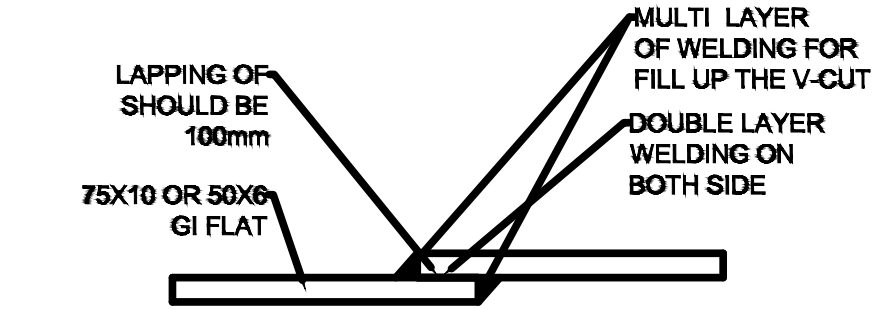
BASE PLATE

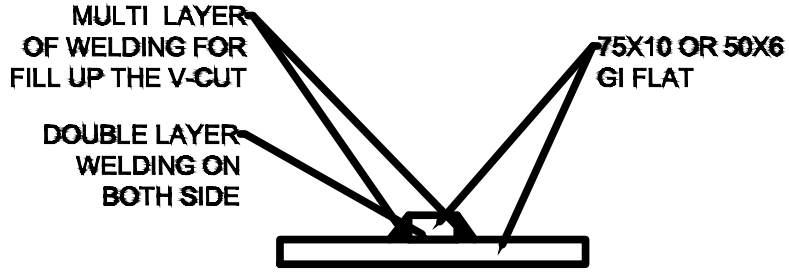


PLAN

DRG NO .- ODSSP / SS / 8

EARTHMAT FLAT JOINTING





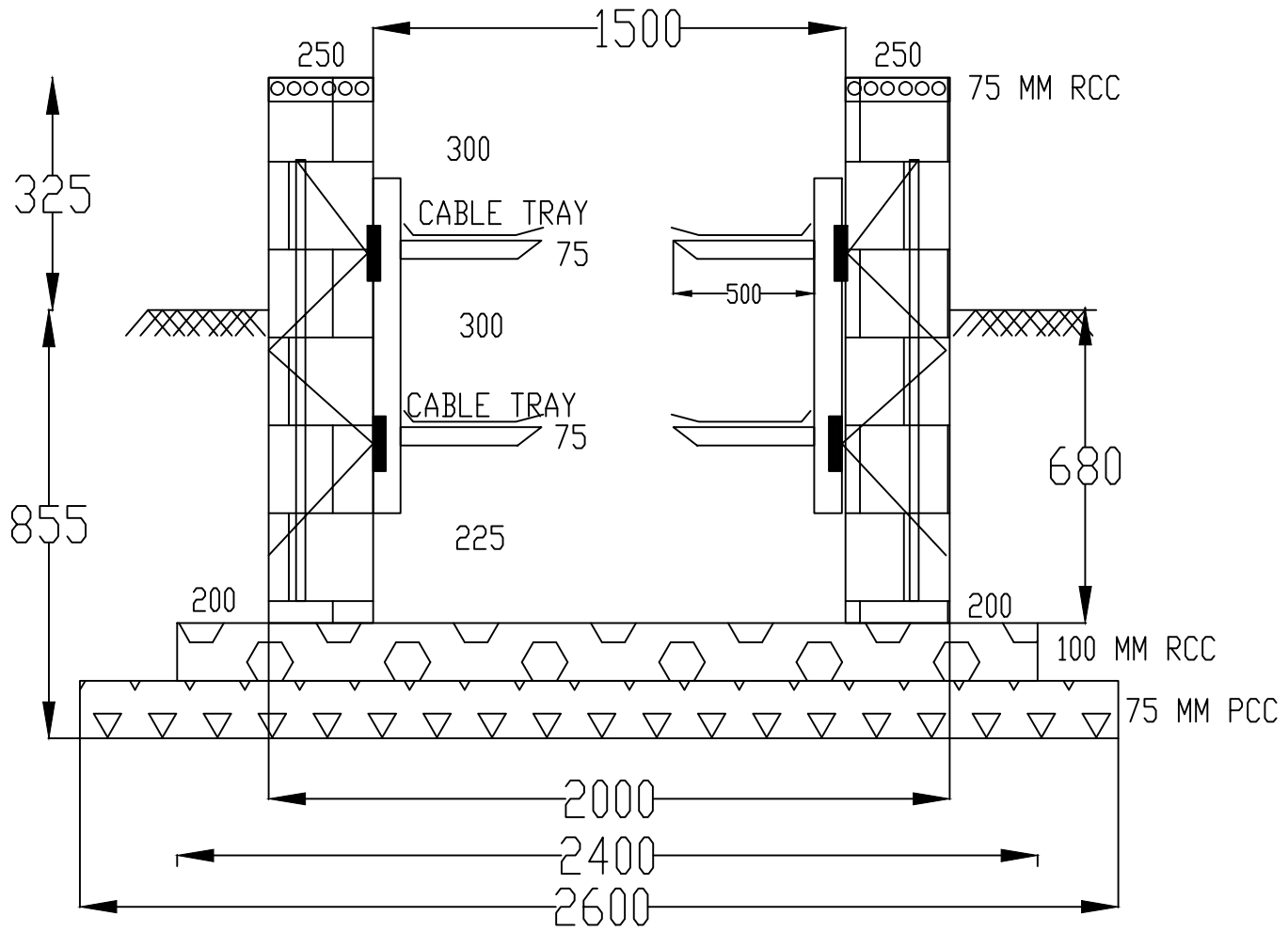
DRG NO .- ODSSP / SS / 9

NOTE:

1. ZINC TO BE REMOVED(THE JOINTING PORTION OF THE FLAT) PRIOR TO WELDING OF JOINT.
2. AFTER REMOVAL OF ZINC THE JOINTING PORTION SHOULD BE RIGIDLY HOLD BY USING "C" CLAMP THEN ONLY THE WELDING WAS SHOULD BE TAKEN UP.
3. THE FLUX SHOULD BE REMOVE BEFORE PUTTING THE SUCCESSIVE LAYERS OF THE WELDING.
4. AFTER COMPLETION OF WELDING WORK THE "C" CLAMP SHOULD BE REMOVED.
5. JUST AFTER COMPLETION OF WELDING WORK TWO LAYER OF ANTICORROSION PAINT SHOULD BE APPLIED IMMEDIATELY.
6. THEN DOUBLE LAYER OF BLACK BITUMINOUS PAINT SHOULD BE APPLIED OVER THE WELDING PORTION.
7. BEFORE BURRING THE FLAT INSIDE THE TRENCH EACH JOINT SHOULD BE COVERED WITH BLACK TAPE.
8. EACH JOINTING PORTION COVERED WITH CONCRETE MIX(1:2:4) ALL AROUND BEFORE FILLING OF SOIL.

-

CABLE TRENCH

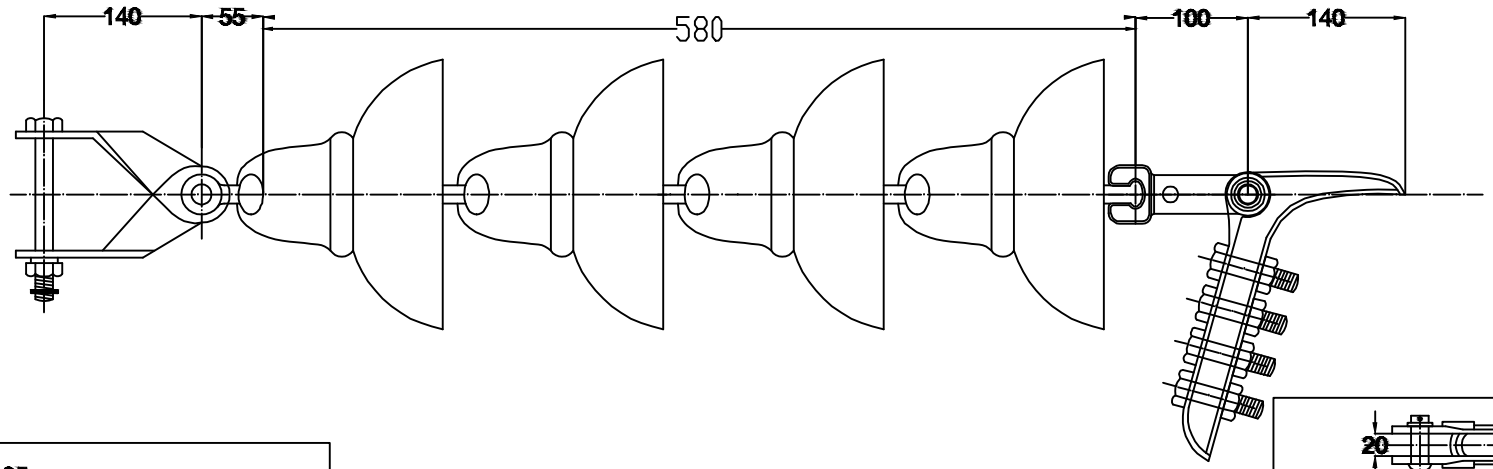


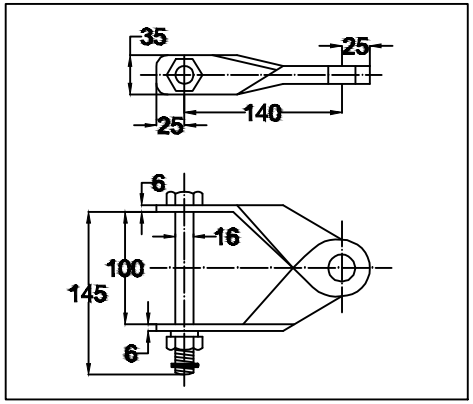
NOTE:-

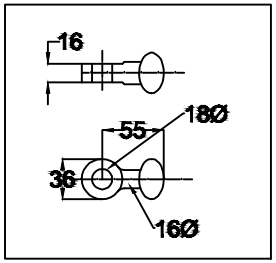
1. CABLE TRAY MENTION ABOVE SHOULD BE LADDER TYPE.
2. COVER SLAB DIMENSION SHALL BE 2100X300X75MM THICK.
3. 3 NOS 8MM DIA ROD FOR MAIN REINFORCEMENT, 8MM DIA ROD @200C/C FOR DISTRIBUTOR
4. SPACING BETWEEN CABLE TRAY SUPPORT 1.5M C/C
5. CABLE TRAY SUPPORT ANGLE SHALL BE FIXED WITH RCC COLUMN OF SIZE 250X250MM WITH MAIN REINFORCEMENT OF 4 NOS 10MM DIA & 8MM @200C/C FOR DISTRIBUTOR.

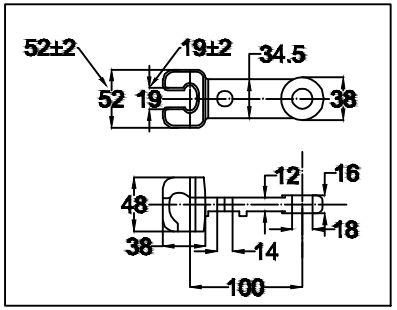
DRG NO .- ODSSP / SS / 10-REV-B

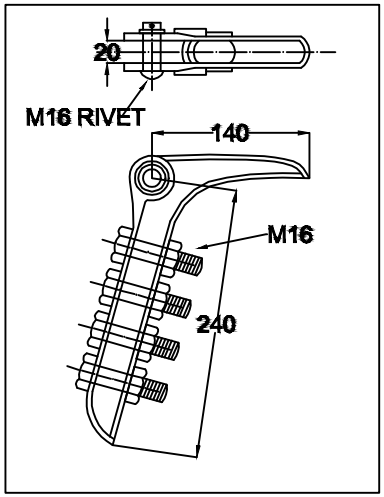
4 BOLTED TENSION CLAMP





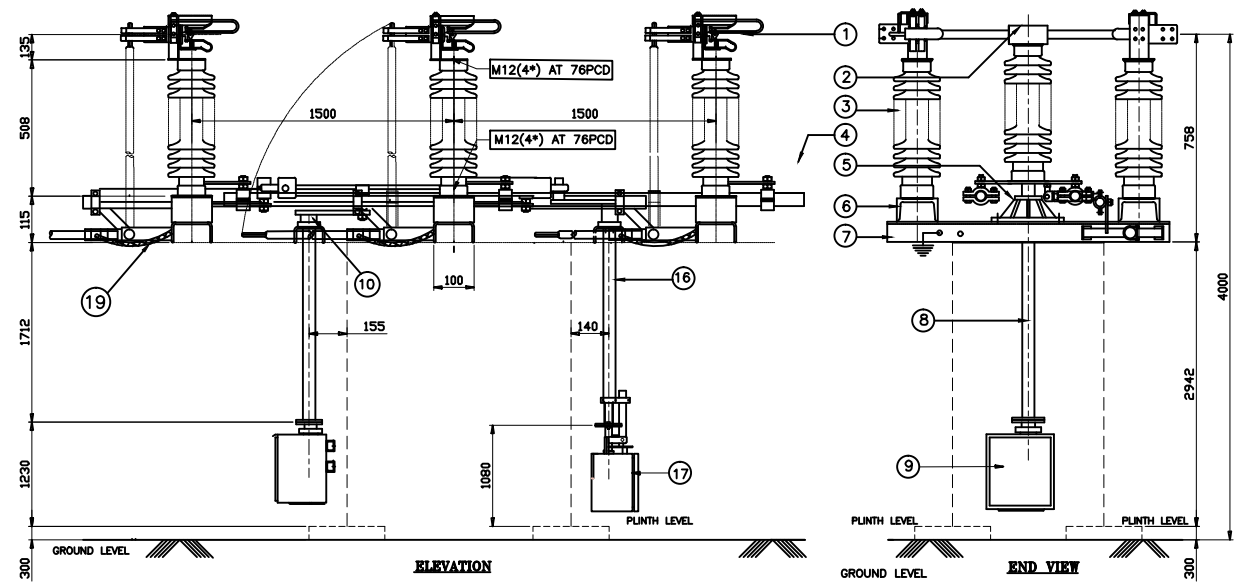


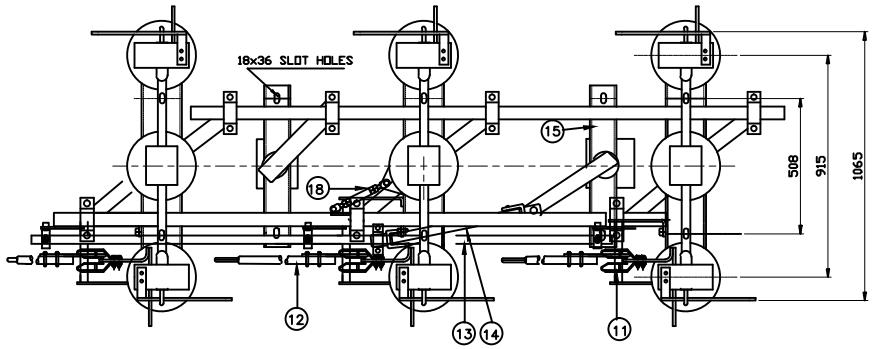


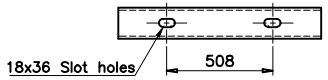


NOTE:-
FOUR Nos. INSULATORS ARE USED ON 33KV SIDE & TWO Nos. INSULATORS ARE USED ON 11KV SIDE.

DRG NO .- ODSSP / SS / 11-REV-B







BASE CHANNEL MOUNTING DETAILS

	PART LIST	QTY.
1	FIXED CONTACT ASSEMBLY	6
2	MOVING CONTACT ASSEMBLY	3
3	INSULATOR STACK	9
4	TANDEM PIPE (40mm GI PIPE)	2
5	ROTATING STOOL POST	3
6	ELEVATOR CHANNEL	6
7	BASE CHANNEL (100x50)	3
8	DOWN PIPE (50mm GI PIPE)	1
9	OPERATING MECHANISM BOX(MOTOR)	1
10	TOP OPERATING MECHANISM	1
11	E/S FIXED CONTACT	3
12	E/S MOVING CONTACT	3
13	E/S TANDEM PIPE (40mm GI PIPE)	1
14	E/S AUX. TANDEM PIPE	1
15	E/S TOP OPERATING MECH.	1
16	E/S DOWN PIPE (50mm GI PIPE)	1
17	E/S OPERATING MECHANISM (MANUAL)	1
18	LINK MECHANISM (M/S&E/S)	1
19	COPPER BRAIDED FLEXIBLE	3

TECHNICAL PARTICULARS

Rated Voltage	33 KV
Highest System Voltage	36 KV
Rated continous current	1250 A
Rated Short Time Current for 3Sec	25 KA
Rated Peak Withstand Current	62.5 KA
a)Lighting Impulse withstand Voltage	170 KVp
b)Across Isolating Distance	195 KVp
a)Dry power Frequency withstand voltage	70 KV
b)Across Isolating Distance	80 KV
Phase to Phase Spacing	1500 mm
Maximum Operating Altitude above MSL	1000 M
Governing Standard	IS:9921
Min. Creepage distance	900mm

NOTES

1. All Dimentions are in mm
2. All Ferrous Parts are in Hot Dip Galvanized
3. All non Ferrous Contact Points are Silver Plated
4. The main Rotating Post has Two Nos of Bearings
5. All GI Pipes are 'B' Class as per IS:1239
6. Manufacturing Tolerance to be as per IS
   i) Up to 50mm-- ±3% ii) 51 to 100mm-- ±2%
   iii) 101 to 300mm--±1% iv) Above 300mm-- ±0.5%
7. Weight of Metallics – 305kgs (Approx.)

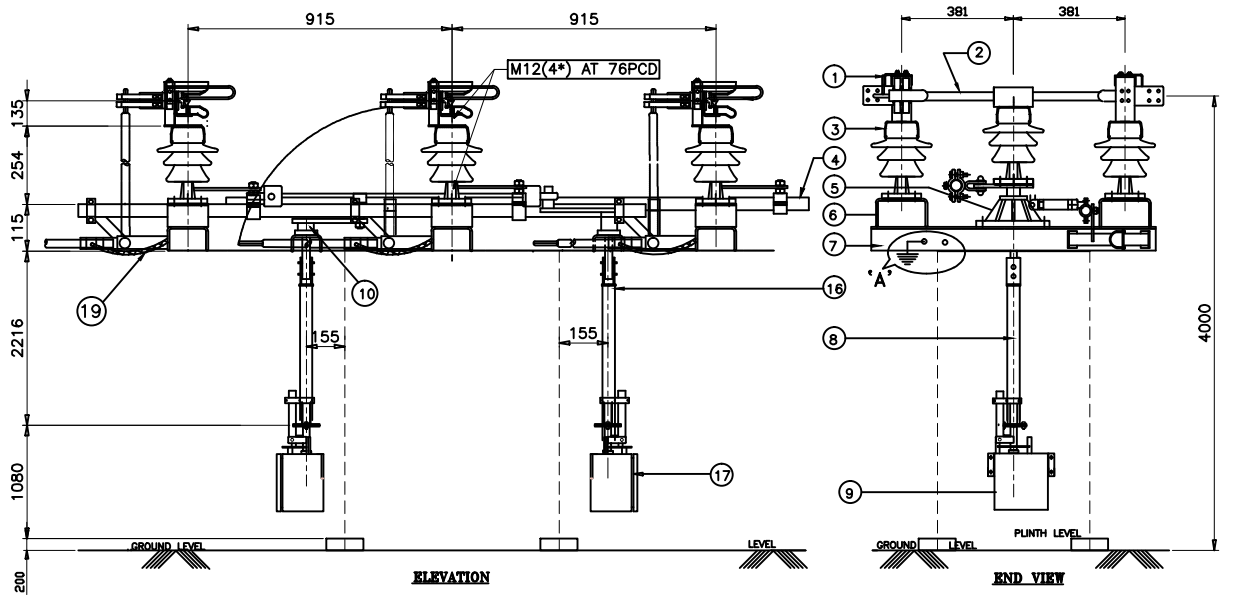
DRG. NO- ODSSP/SS/12

TITLE

GENERAL ARRANGEMENT OF

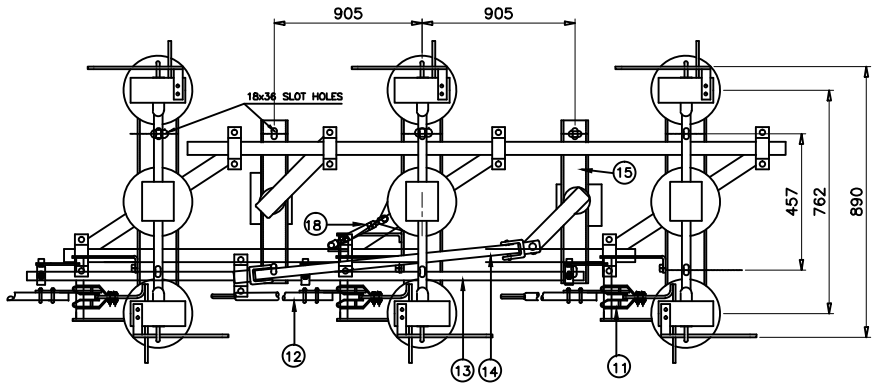
33KV 1250A DOUBLE TANDEM DOUBLE BREAK

CENTER ROTATING ISOLATOR WITH ONE EARTH SWITCH

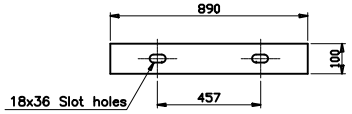


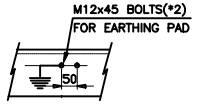
ELEVATION

END VIEW



PLAN





DETAIL AT 'A'
EARTHING PAD

	PART LIST	QTY.
1	FIXED CONTACT ASSEMBLY	6
2	MOVING CONTACT ASSEMBLY	3
3	INSULATOR STACK	9
4	TANDEM PIPE (40mm GI PIPE)	2
5	ROTATING STOOL POST	3
6	ELEVATOR CHANNEL	6
7	BASE CHANNEL (100x50)	3
8	DOWN PIPE (50mm GI PIPE)	1
9	OPERATING MECHANISM BOX (MANUAL)	1
10	TOP OPERATING MECHANISM	1
11	E/S FIXED CONTACT	3
12	E/S MOVING CONTACT	3
13	E/S TANDEM PIPE (40mm GI PIPE)	1
14	E/S AUX. TANDEM PIPE	1
15	E/S TOP OPERATING MECH.	1
16	E/S DOWN PIPE (50mm GI PIPE)	1
17	E/S OPERATING MECHANISM BOX (MANUAL)	1
18	LINK MECHANISM (M/S&E/S)	1
19	COPPER BRAIDED FLEXIBLE	6

TECHNICAL PARTICULARS

Rated Voltage	11 KV
Highest System Voltage	12 KV
Rated continous current	1250 A
Rated Short Time Current for 3Sec	25 KA
Rated Peak Withstand Current	62.5 KA
a)Lighting Impulse withstand Voltage	75 KVp
b)Across Isolating Distance	85 KVp
a)Dry power Frequency withstand voltage	28 KV
b)Across Isolating Distance	32 KV
Phase to Phase Spacing	915 mm
Maximum Operating Altitude above MSL	1000 M
Governing Standard	IS:9921
Min. Creepage distance	450 mm

NOTES

1. All Dimentions are in mm
2. All Ferrous Parts are in Hot Dip Galvanized
3. All non Ferrous Contact Points are Silver Plated
4. The main Rotating Post has Two Nos of Bearings
5. All GI Pipes are 'B' Class as per IS:1239
6. Manufacturing Tolerance to be as per IS
   i) Up to 50mm-- ±3% ii) 51 to 100mm-- ±2%
   iii) 101 to 300mm--±1% iv) Above 300mm-- ±0.5%
7. Weight of Metallics – 190kgs (Approx.)

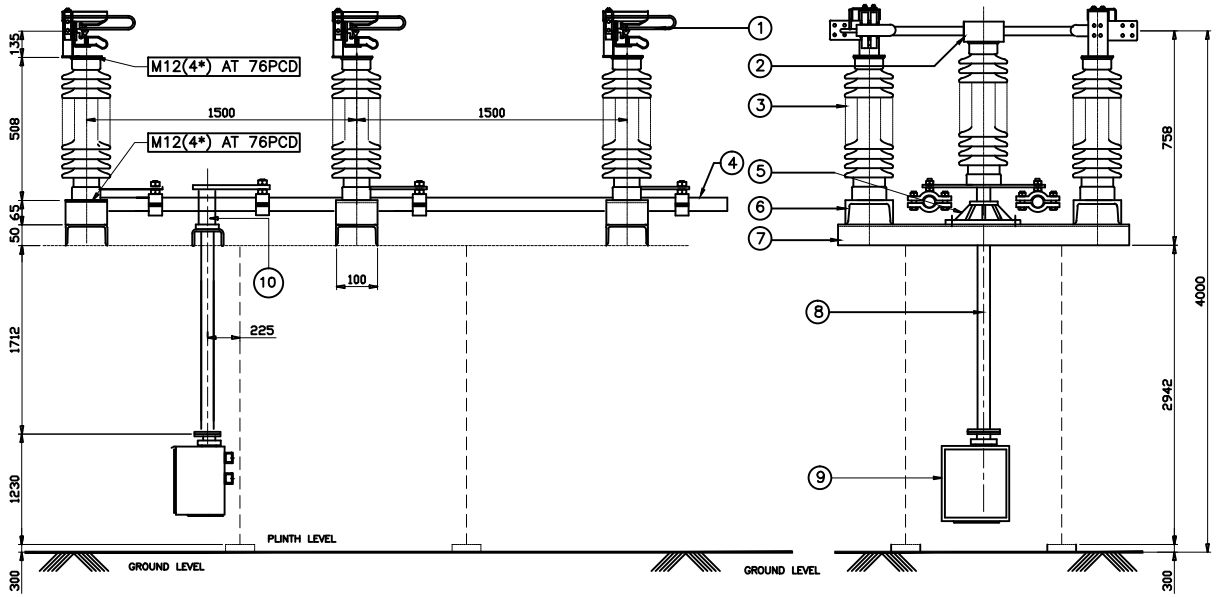
DRG. NO– ODSSP/SS/13

TITLE

GENERAL ARRANGEMENT OF

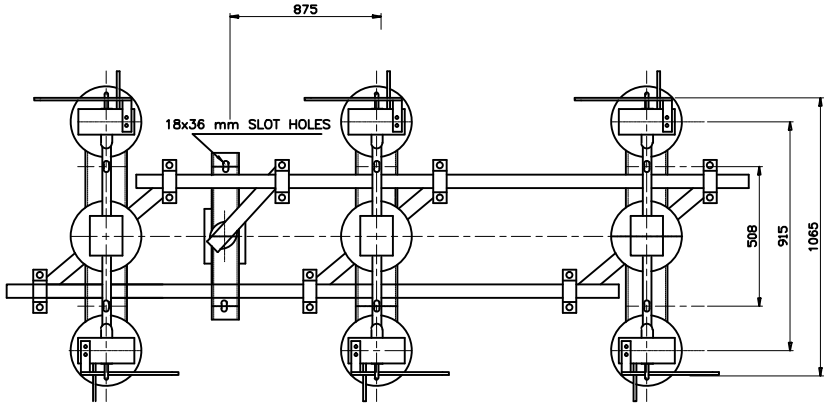
11KV 1250A DOUBLE TANDEM DOUBLE BREAK

CENTER ROTATING ISOLATOR WITH ONE EARTH SWITCH

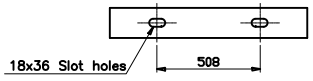


ELEVATION

END VIEW



PLAN



BASE CHANNEL MOUNTING DETAILS

	PART LIST	QTY.
1	FIXED CONTACT ASSEMBLY	6
2	MOVING CONTACT ASSEMBLY	3
3	INSULATOR STACK	9
4	TANDEM PIPE (40mm GI PIPE)	2
5	ROTATING STOOL POST	3
6	ELEVATOR CHANNEL	6
7	BASE CHANNEL (100x50)	3
8	DOWN PIPE (50mm GI PIPE)	1
9	OPERATING MECHANISM BOX (MOTOR)	1
10	TOP OPERATING MECHANISM	1

TECHNICAL PARTICULARS

Rated Voltage	33 KV
Highest System Voltage	36 KV
Rated continous current	1250 A
Rated Short Time Current for 3Sec	25 KA
Rated Peak Withstand Current	62.5 KA
a)Lighting Impulse withstand Voltage	170 KVp
b)Across Isolating Distance	195 KVp
a)Dry power Frequency withstand voltage	70 KV
b)Across Isolating Distance	80 KV
Phase to Phase Spacing	1500 mm
Maximum Operating Altitude above MSL	1000 M
Governing Standard	IS:9921
Min. Creepage distance	900mm

NOTES

1. All Dimentions are in mm
2. All Ferrous Parts are in Hot Dip Galvanized
3. All non Ferrous Contact Points are Silver Plated
4. The main Rotating Post has Two Nos of Bearings
5. All GI Pipes are 'B' Class as per IS:1239
6. Manufacturing Tolerance to be as per IS
   i) Up to 50mm-- ±3% ii) 51 to 100mm-- ±2%
   iii) 101 to 300mm--±1% iv) Above 300mm-- ±0.5%
7. Weight of Metallics – 225kgs (Approx.)

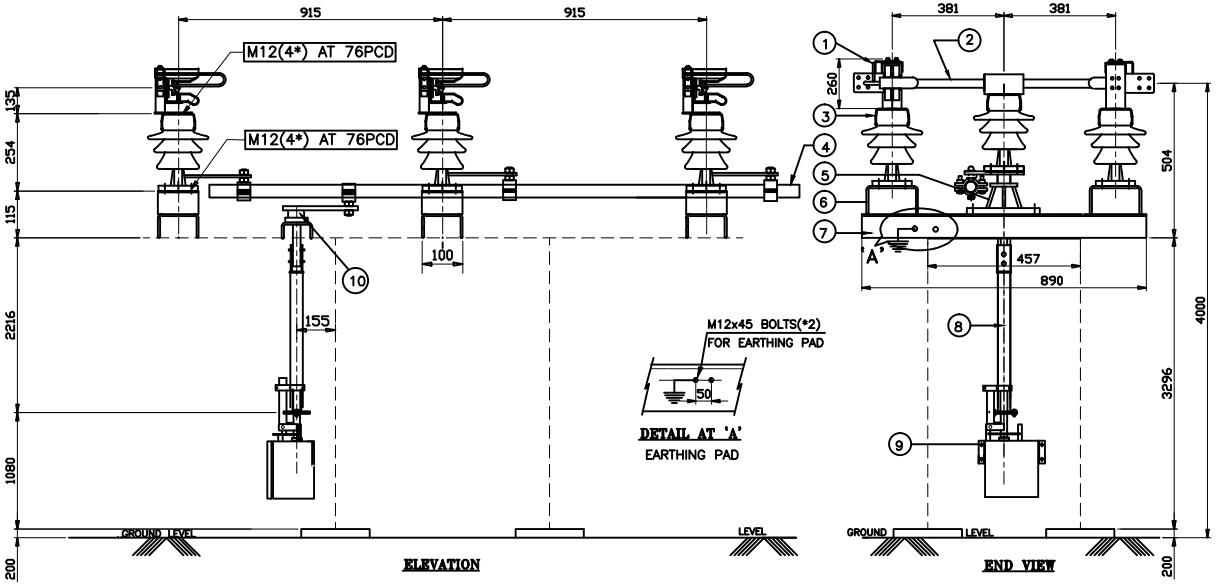
DRG. NO– ODSSP/SS/14

TITLE

GENERAL ARRANGEMENT OF

33KV 1250A DOUBLE TANDEM DOUBLE BREAK

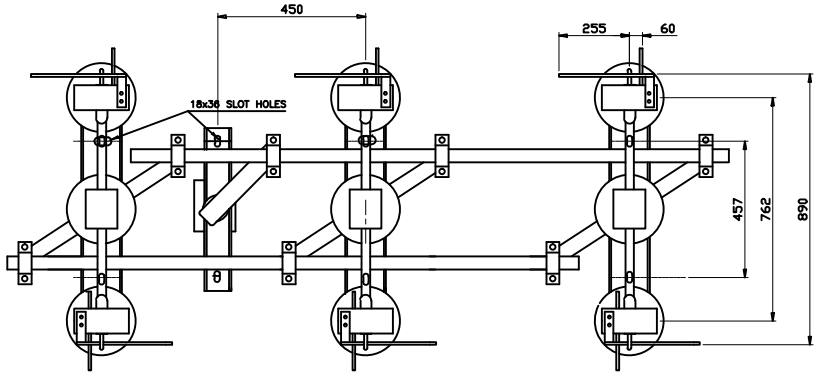
CENTER ROTATING ISOLATOR WITHOUT EARTH SWITCH



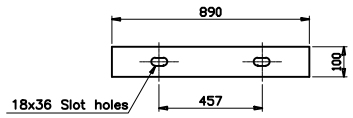
ELEVATION

DETAIL AT 'A'
EARTHING PAD

END VIEW



PLAN



	PART LIST	QTY.
1	FIXED CONTACT ASSEMBLY	6
2	MOVING CONTACT ASSEMBLY	3
3	INSULATOR STACK	9
4	TANDEM PIPE (40mm GI PIPE)	2
5	ROTATING STOOL POST	3
6	ELEVATOR CHANNEL	6
7	BASE CHANNEL (100x50)	3
8	DOWN PIPE (50mm GI PIPE)	1
9	OPERATING MECHANISM BOX (MANUAL)	1
10	TOP OPERATING MECHANISM	1

TECHNICAL PARTICULARS

Rated Voltage	11 KV
Highest System Voltage	12 KV
Rated continous current	1250 A
Rated Short Time Current for 3Sec	25 KA
Rated Peak Withstand Current	62.5 KA
a)Lighting Impulse withstand Voltage	75 KVp
b)Across Isolating Distance	85 KVp
a)Dry power Frequency withstand voltage	28 KV
b)Across Isolating Distance	32 KV
Phase to Phase Spacing	915 mm
Maximum Operating Altitude above MSL	1000 M
Governing Standard	IS:9921
Min. Creepage distance	450 mm

NOTES

1. All Dimentions are in mm
2. All Ferrous Parts are in Hot Dip Galvanized
3. All non Ferrous Contact Points are Silver Plated
4. The main Rotating Post has Two Nos of Bearings
5. All GI Pipes are 'B' Class as per IS:1239
6. Manufacturing Tolerance to be as per IS
   i) Up to 50mm-- ±3% ii) 51 to 100mm-- ±2%
   iii) 101 to 300mm--±1% iv) Above 300mm-- ±0.5%
7. Weight of Metallics – 170kgs (Approx.)

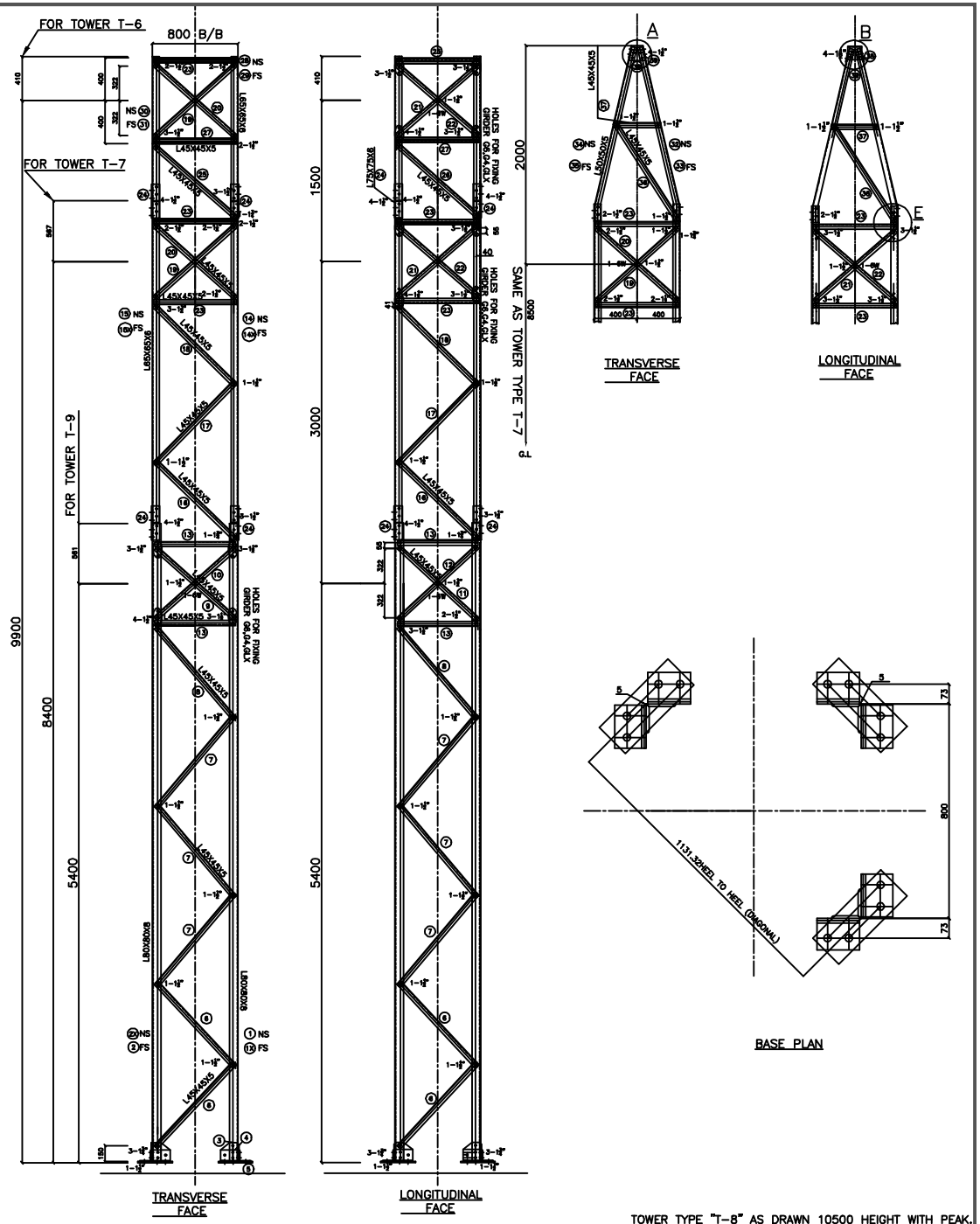
DRG. NO- ODSSP/SS/15

TITLE

GENERAL ARRANGEMENT OF

11KV 1250A DOUBLE TANDEM DOUBLE BREAK

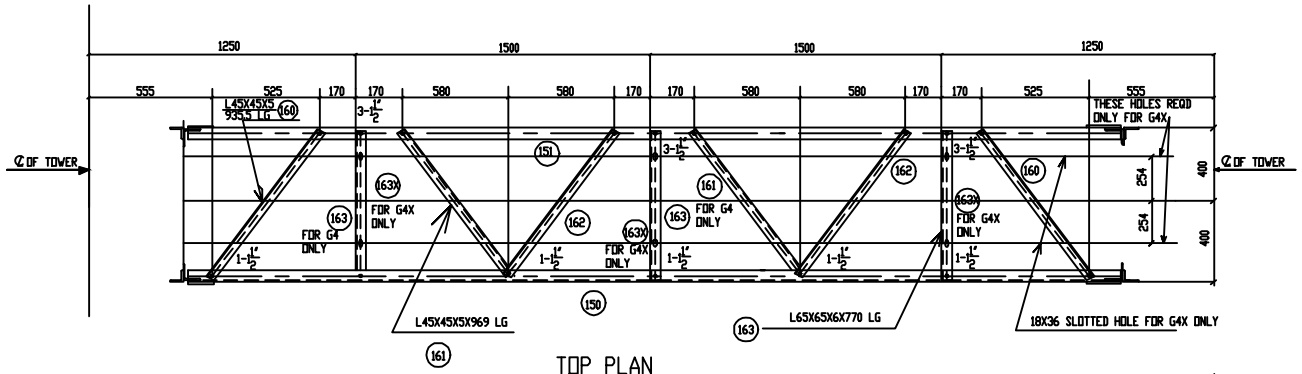
CENTER ROTATING ISOLATOR WITHOUT EARTH SWITCH



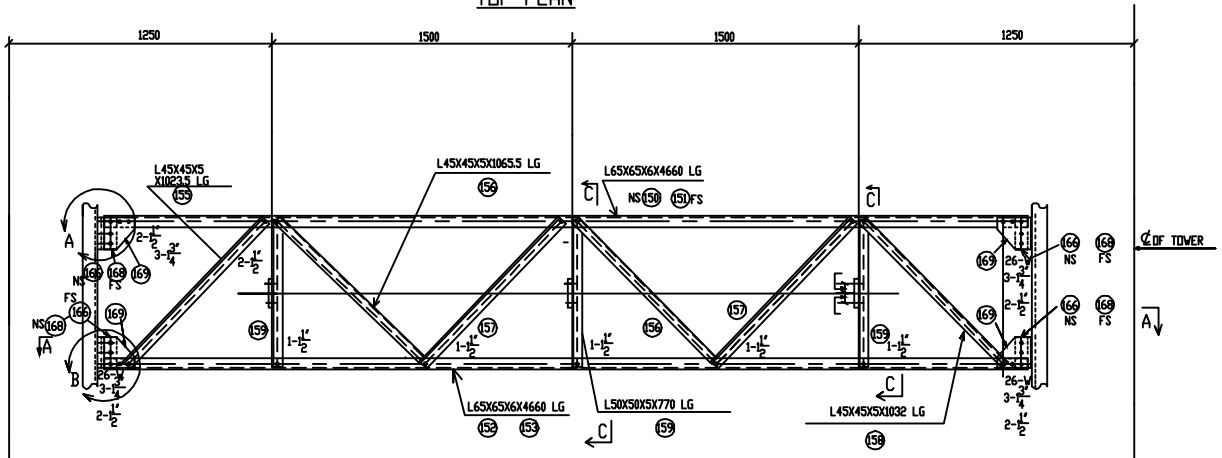
TOWER TYPE "T-8" AS DRAWN 10500 HEIGHT WITH PEAK.
TOWER TYPE "T-9" AS DRAWN 5500 HEIGHT WITH PFAK

STRUCTURAL DETAIL OF 33kV TOWER TYPE T8 & T9

DRG NO-ODSSP/SS/16

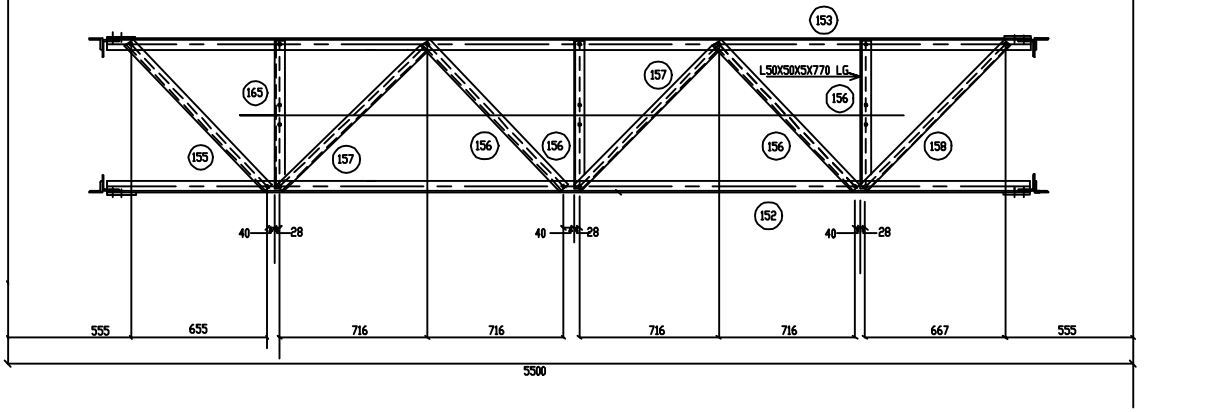


TOP PLAN



ELEVATION

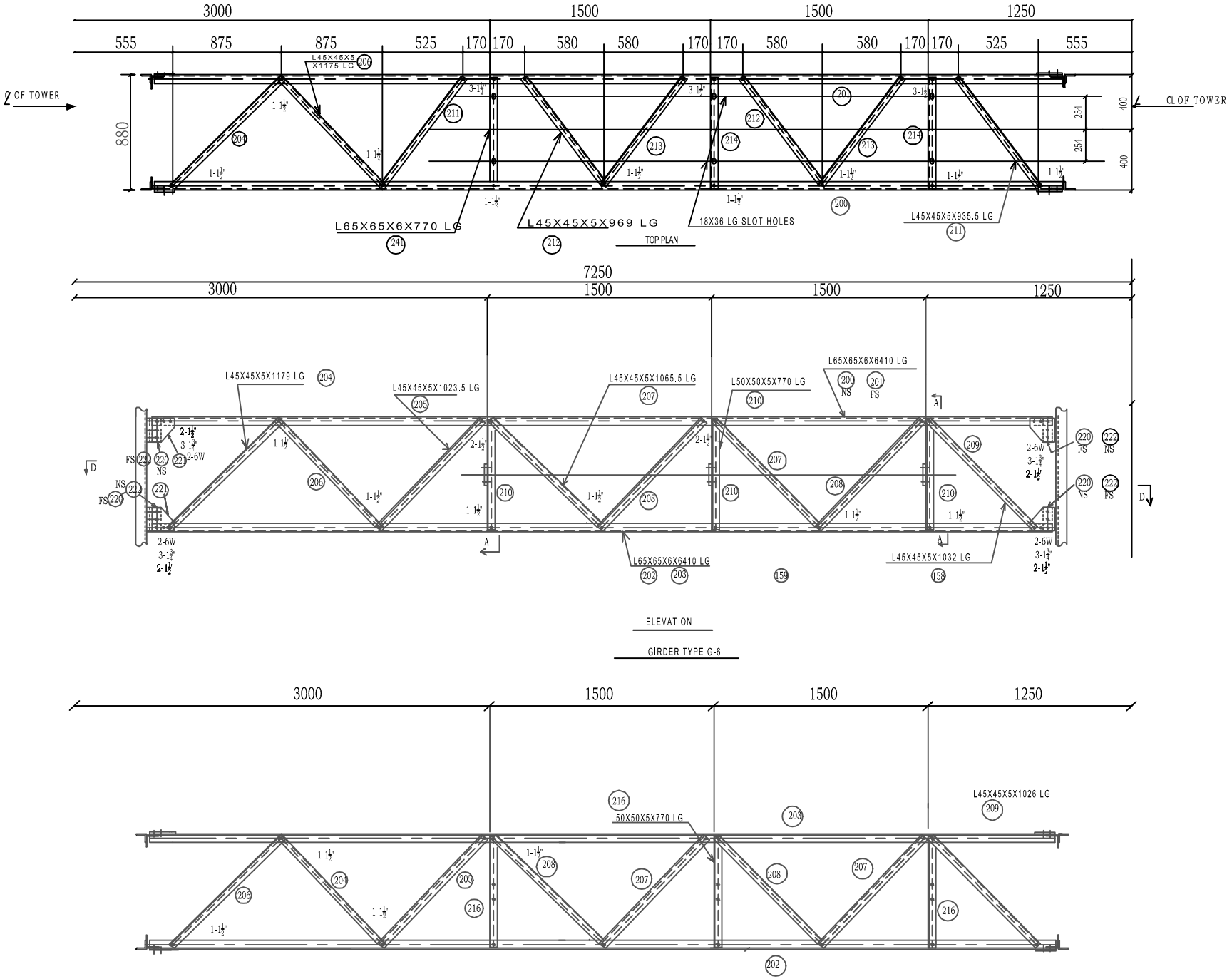
GIRDER 'G4' WITH BOTH SIDE STRAIN PLATE AND SUSPENSION INSULATOR CONNECTION
'G4' SAME AS 'G4' EXCEPT ISOLATOR CONNECTION OF TOP



PLAN A-A

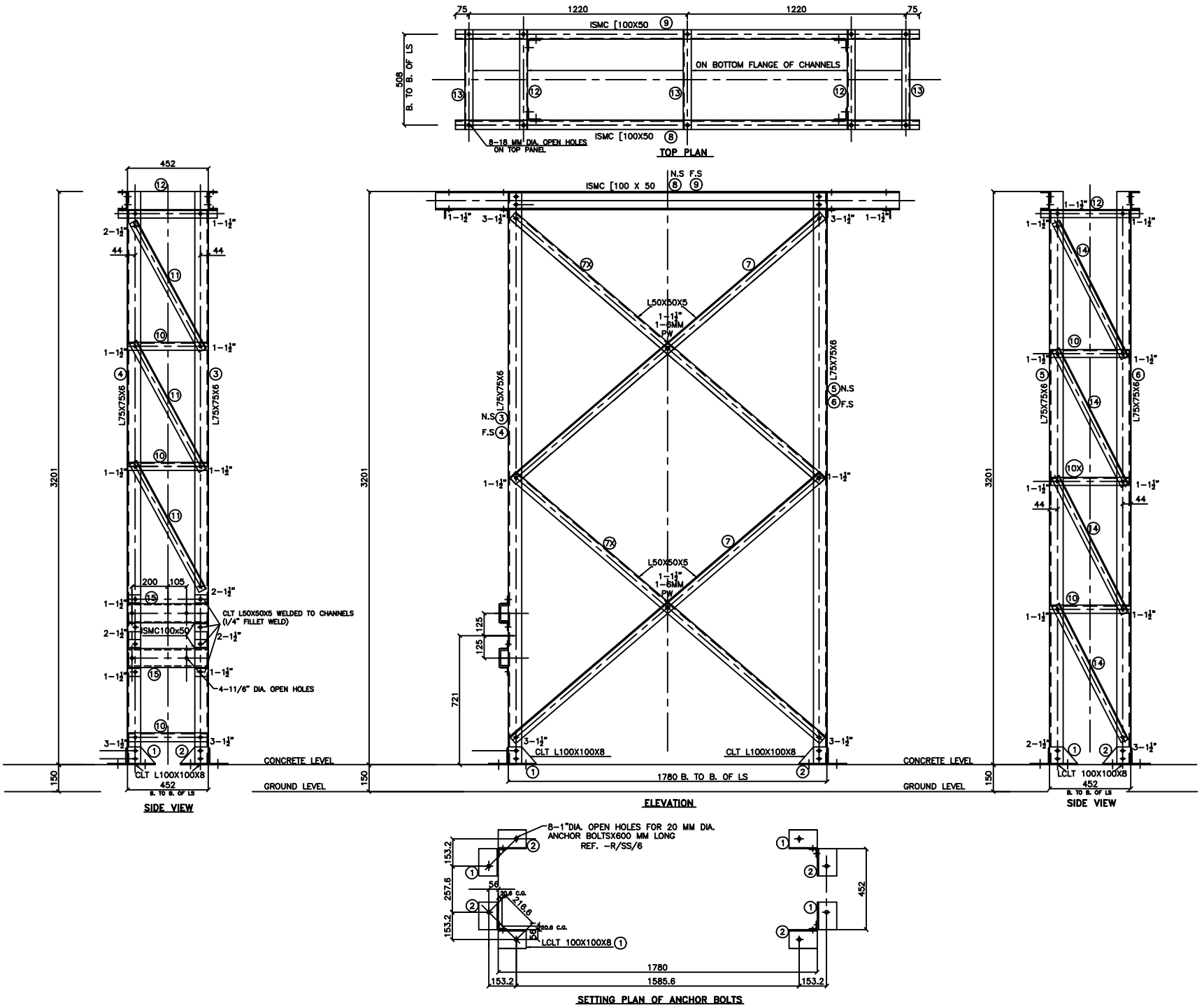
STRUCTURAL DETAIL OF BEAM TYPE G-4

DRG NO-ODSSP/SS/17



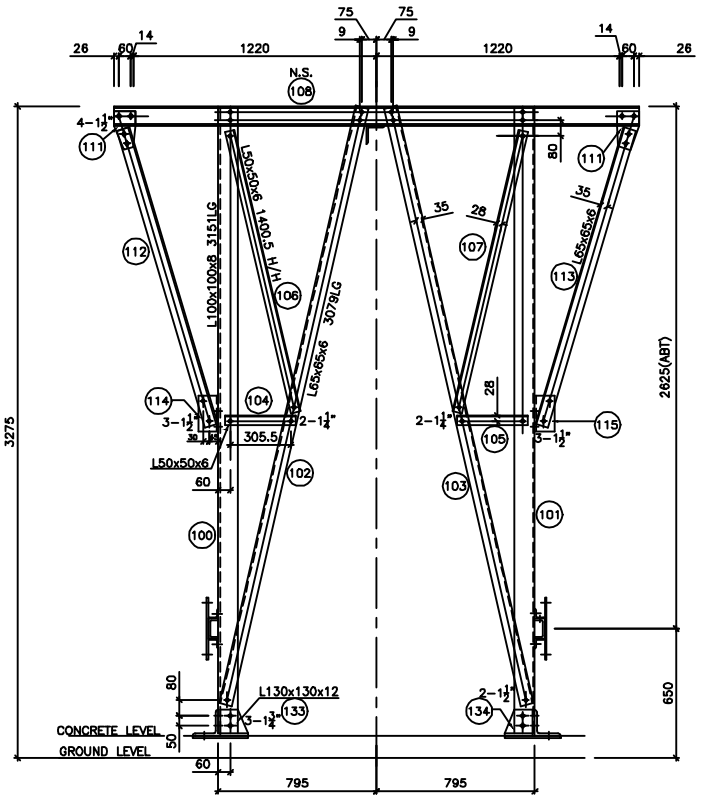
STRUCTURAL DETAIL OF GIRDER TYPE G-6

DRG NO-ODSSP/SS/18

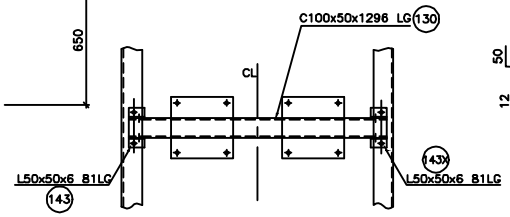


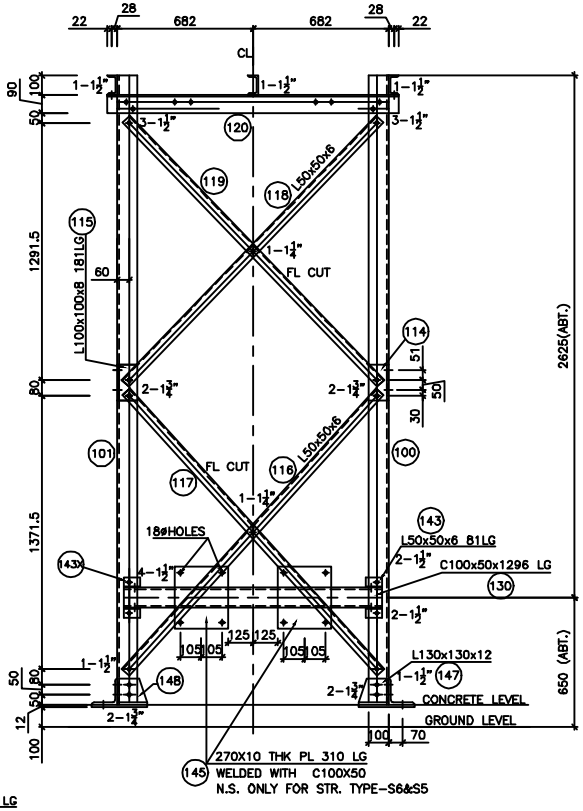
STRUCTURAL DETAIL OF 33kV SINGLE ISOLATOR WITHOUT EARTH SWITCH

DRG NO-ODSSP/SS/19

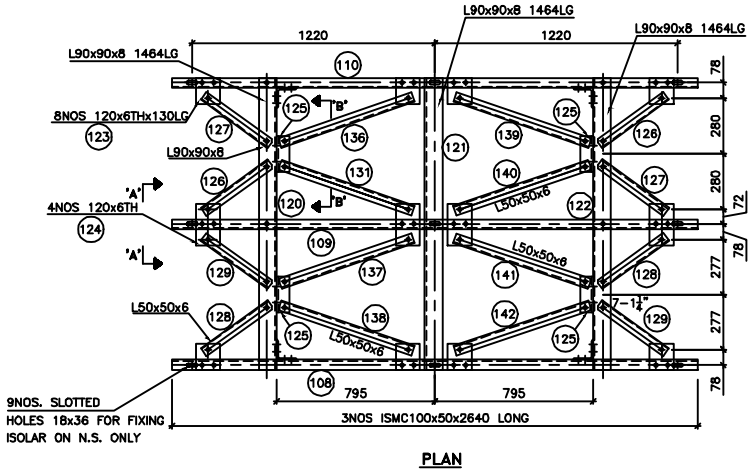


FRONT ELEVATION



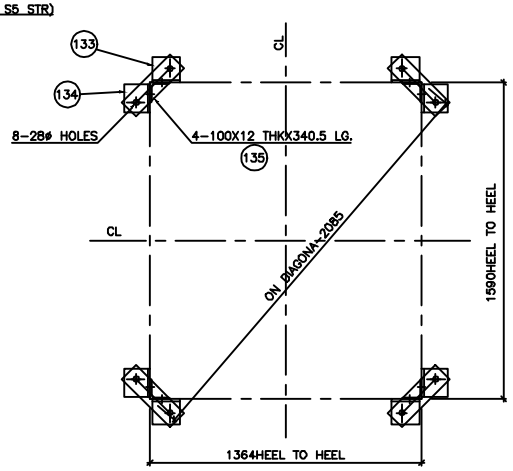


SIDE VIEW



PLAN

VIEW 'C-C'
(ONLY REQD FOR S5 STR)

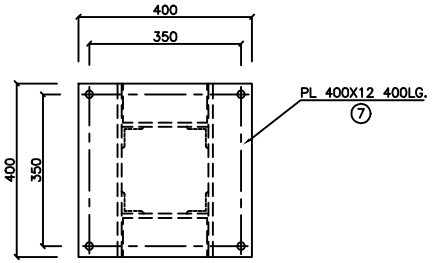


BASE PLAN

STRUCTURAL DETAIL OF 33kV DOUBLE ISOLATOR WITH & WITHOUT EARTH SWITCH

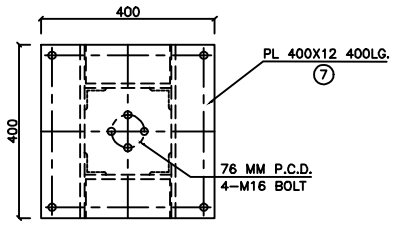
DRG NO-ODSSP/SS/20

C.T.

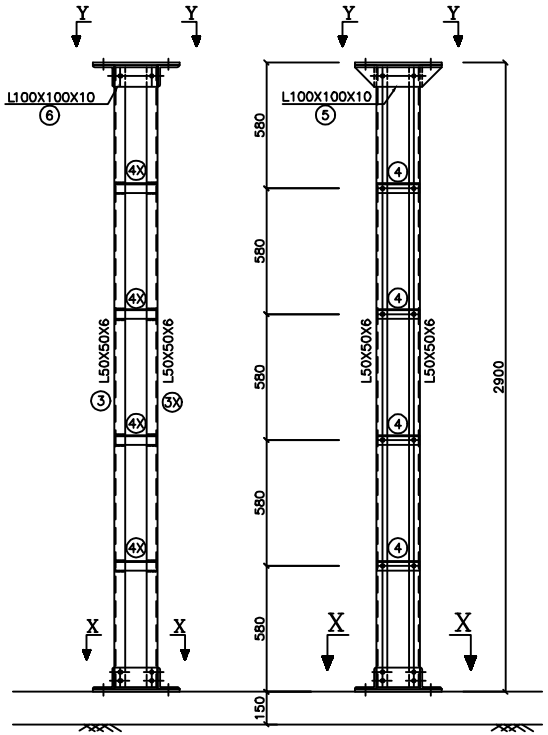


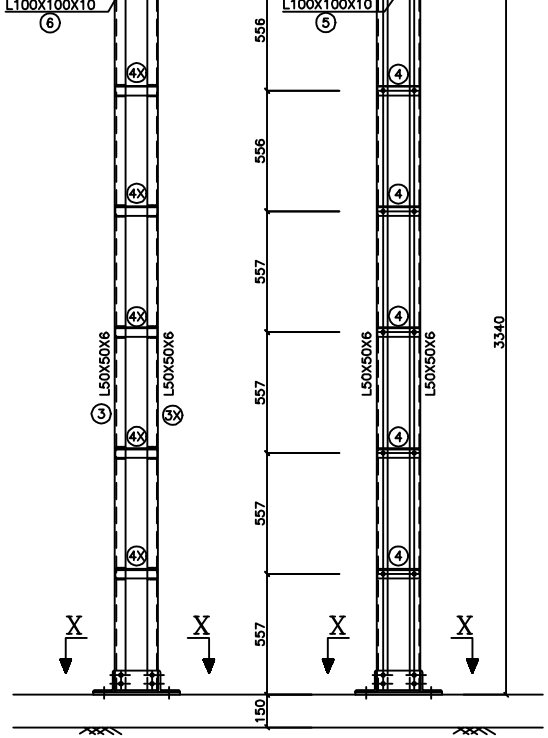
SECTION–Y Y

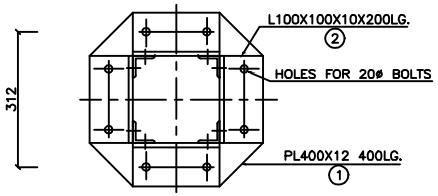
P.I.



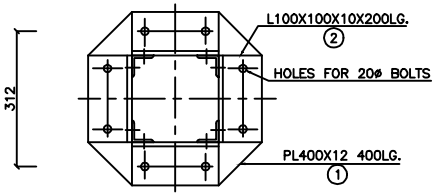
SECTION–Y Y







SECTION–XX

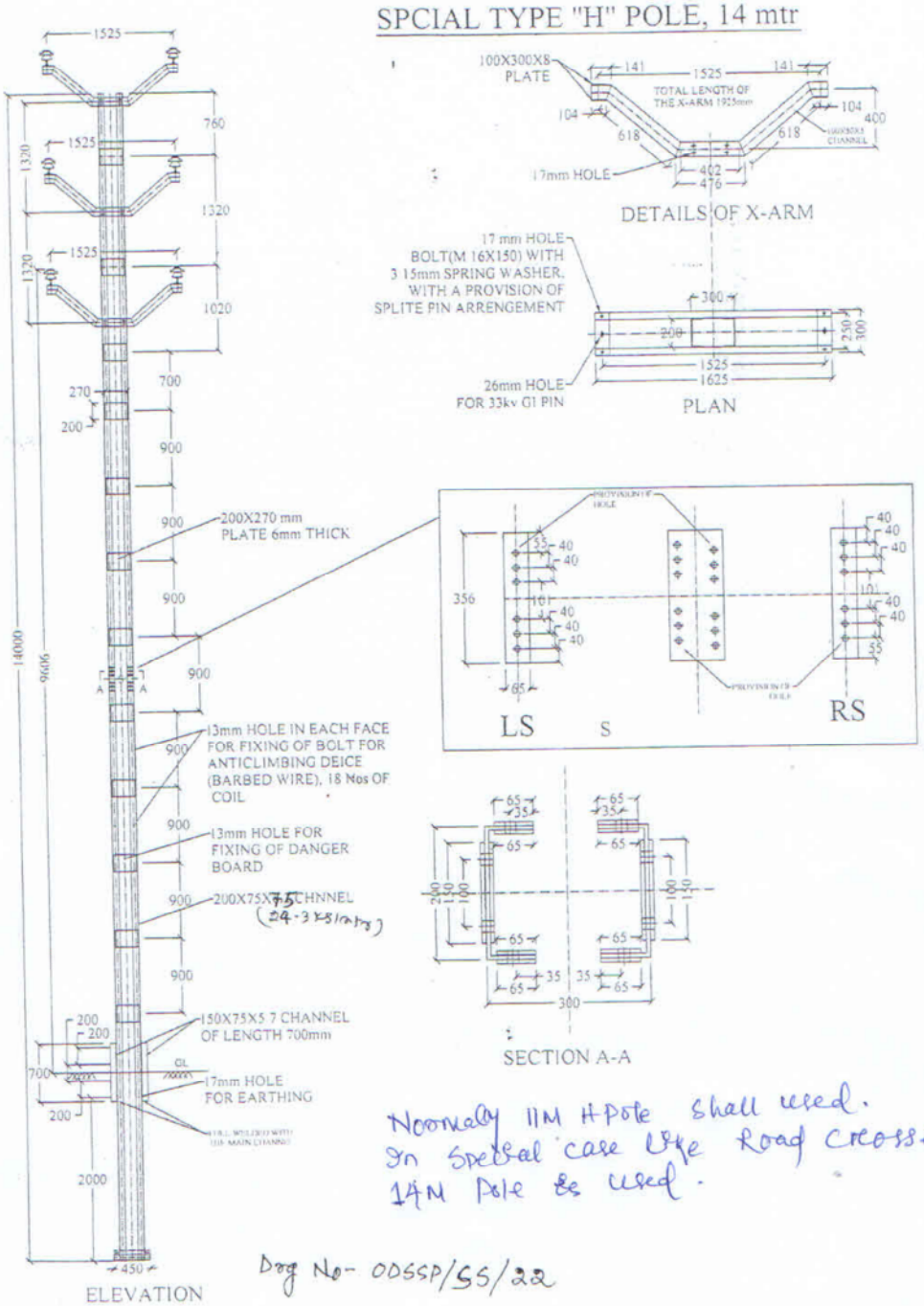


SECTION–XX

STRUCTURAL DETAIL OF 33kV CT & PI

DRG NO-ODSSP/SS/21

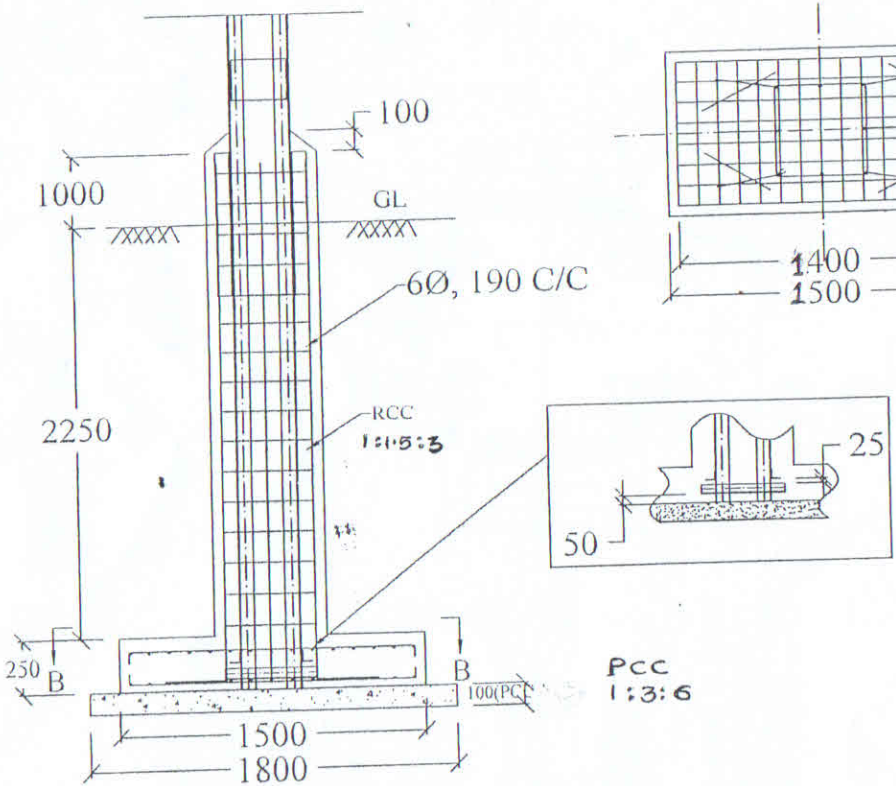
SPCIAL TYPE "H" POLE, 14 mtr



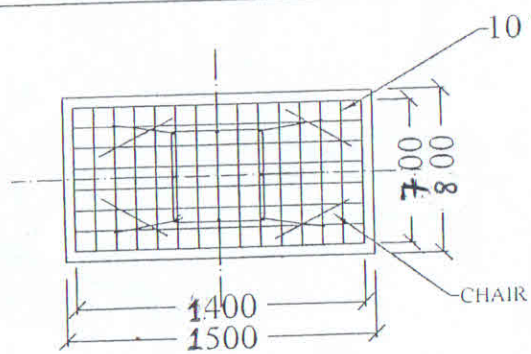
Normally 11M H-Pole shall used.
In special case like Road Crossing,
14M Pole be used.

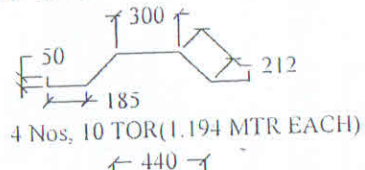
Drg No- 00SSP/SS/22

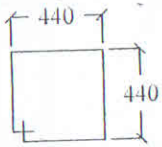
FOUNDATION OF SPCIAL TYPE "H" POLE, 14 mtr

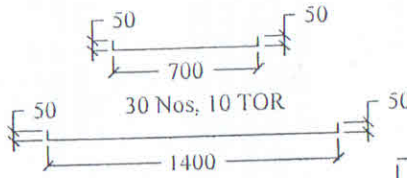


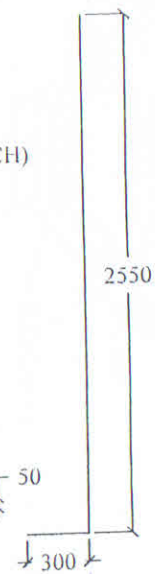
ELEVATION

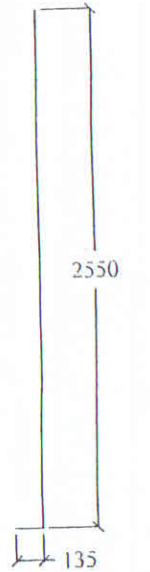


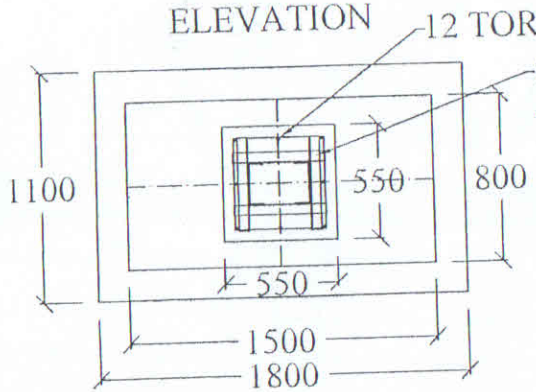








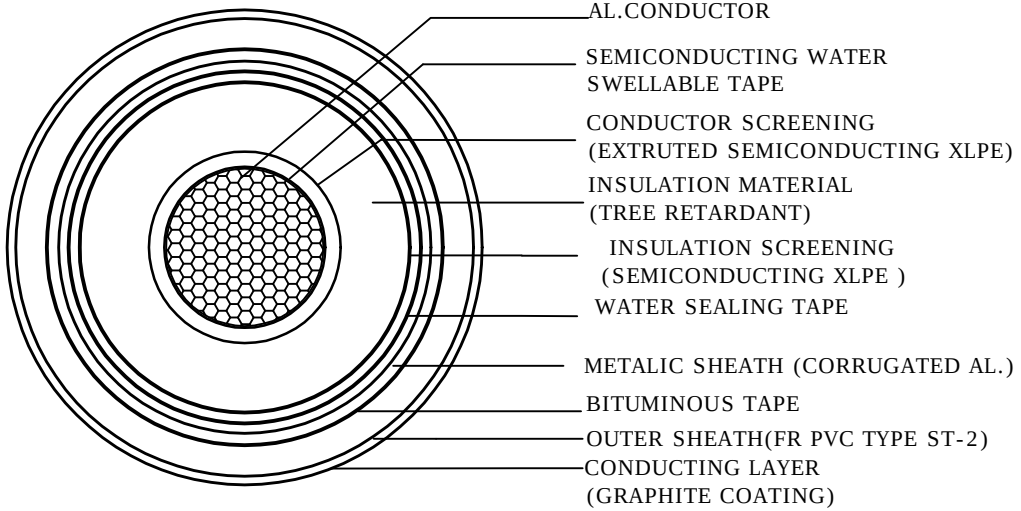




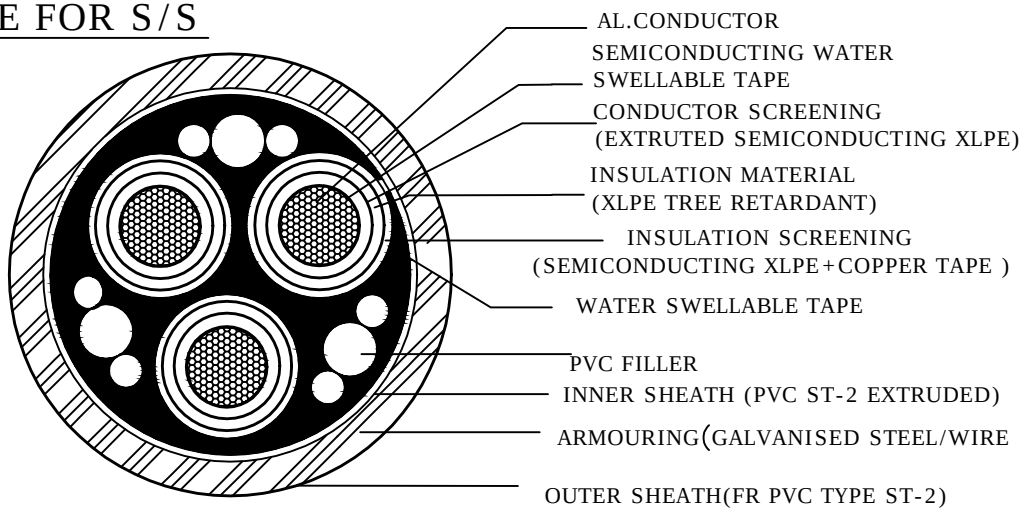
SECTION B-B

Drawing No- ODSSP/SS/23/REV-A

CROSS-SECTIONAL VIEW OF 33kV & 11kV CABLE FOR S/S



CROSS-SECTIONAL VIEW OF 33 kV 1C, UN-ARMOURED CABLE



CROSS-SECTIONAL VIEW OF 11kV 3C, ARMOURED CABLE

Drg No.-ODSSP/SS/24/REV-C