

- BHARAT HEAVY ELECTRICALS LTD.  
THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF  
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.
- NOTES:-
  - WHEN REFERRING THIS DRAWING PLEASE QUOTE MVAR & W.O. NO.
  - 320 DIA. TWIN BI-DIRECTIONAL ROLLERS MOUNTED AT 1676 mm RAIL GAUGE IN BOTH DIRECTION ARE PROVIDED FOR MOVEMENT OF REACTOR AT SITE AND ROLLERS ARE TO BE REMOVED BEFORE ERECTION.
  - PAINTING AT OUTSIDE THE REACTOR TANK & COOLER CONTROL CABINET IS AS PER SHADE 631 OF IS:5 (LIGHT GRAY)
  - WIRING FROM INSTRUMENT CTS. ETC. ARE NOT SHOWN FOR CLARITY.
  - FOUNDATION BOLTS ARE IN THE SCOPE OF BHEL SUPPLY.
  - FOR PART LIST OF OGA REFER DRAWING NO. 3 469 00 02013
  - DIMENSIONS SHOWN THUS  ARE OVERALL SHIPPING DIMENSIONS EXCLUSIVE OF PACKING.
  - DIMENSIONS SHOWN ARE WITH REF.TO PLINTH LEVEL. PLEASE NOTE THAT PLINTH LEVEL IS 450 MM ABOVE THE GROUND LEVEL.
  - FOR TANK COVER BOLTED REFER DETAIL 'B' SHT. NO. 04.
- IMPORTANT NOTE:-
  - THE DESIGN FEATURES SHOWN ON THIS DRAWING (GENERALLY INLINE WITH IS:5553 IEC : 60076-6 APPLICABLE STANDARD & AGREED CUSTOMER SPECIFICATION) MEETS THE STATUTORY, REGULATORY & SAFETY REQUIREMENTS WITH RESPECT TO EARTHING ARRANGEMENT, DANGER & OTHER LABELS, CLEARANCES IN AIR, PROVISION FOR PRESSURE RELIEF DEVICE, GAS ACTUATED RELAY AND ANTI-EARTHQUAKE CLAMPING ARRANGEMENT.
- | MIN. AIR CLEARANCES |        |  |        |
|---------------------|--------|--|--------|
|                     | 420 KV |  | 145 KV |
| PHASE TO PHASE      | 4000   |  | NA     |
| PHASE TO EARTH      | 3500   |  | 1050   |
- TABLE
- | SUB ASSY. MK NOS. |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| SUB ASSY          | MK01 | MK02 | MK03 | MK04 | MK05 | MK06 | MK07 | MK08 | MK09 | MK10 | MK11 | MK12 | MK13 | MK14 | MK15 | MK16 | MK17 | MK18 | MK19 | MK20 | MK21 | MK22 | MK23 | MK24 | MK25 |
| QTY.              | 004  | 005  | 006  | 007  | 008  | 060  | 010  | 014  | 015  | 016  | 013  | 027  | 028  | 062  | 029  | 030  | 031  | 039  | 044  | 043  | 052  | 053  | 054  | 058  | 061  |
- INVENTORY NO.

REV

DATE

ALT

CKD

APPD

REV

DATE

ALT

CKD

APPD

TYPE OF PRODUCT

PO. NO.

PROJECT

NAME OF CUSTOMER

125 MVAR, 420 KV, 3-PHASE., SHUNT REACTOR.

336/ESD-768KV/10/RASARA VOL-3 DATED: 03/07/18

400/220/132KV (GS) RASARA SUBSTATION

M/S UPPTCL.

STATUS OF DRAWING

"U"

WORK ORDER

W.O. 68015-A-517-01

DISTRIBUTION OF PRINTS

TRE-1, TRM-3

DEPT

CODE

WEIGHT(kg)

SCALE

DRN.

RAKESH

20.10.18

TRE

406

-----

NTS

APPD.

KD/AD

24.10.18

TITLE

OUTLINE GENERAL ARRANGEMENT

DRG. NO.

3 469 00 02012

REV.

00

NAME

SIGN

DATE

SHEET

01 OF 04

101

102

103

104

105


106

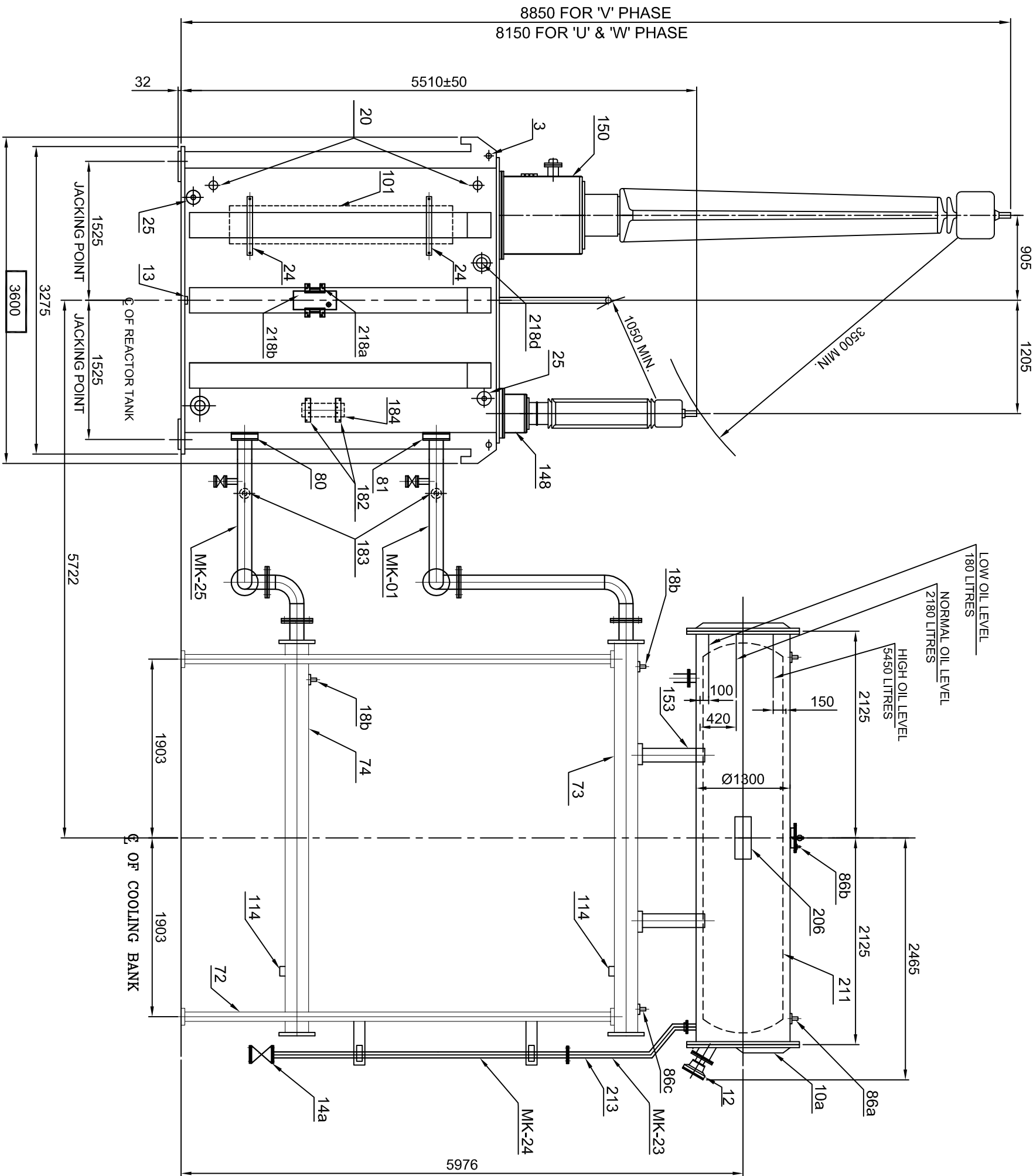
107

108
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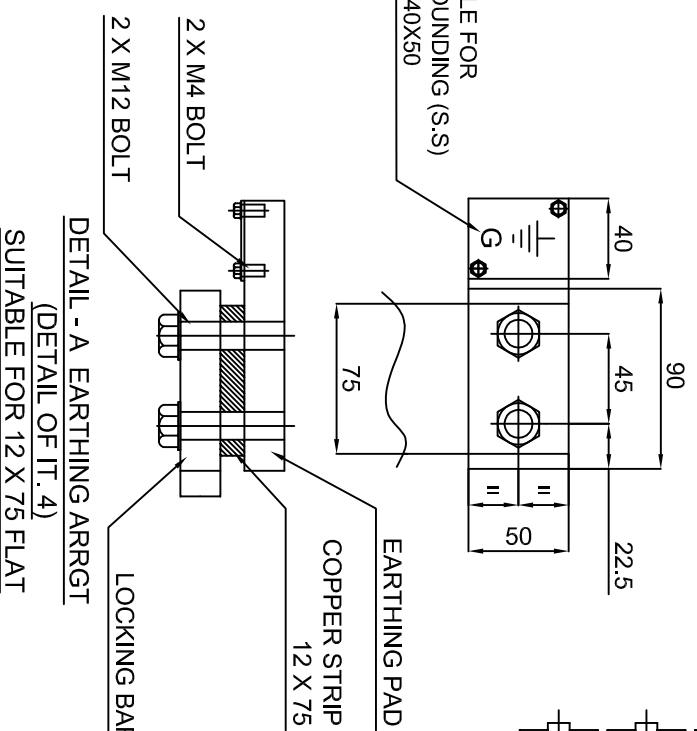
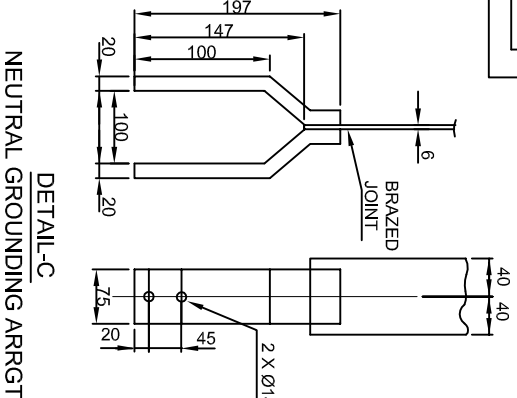
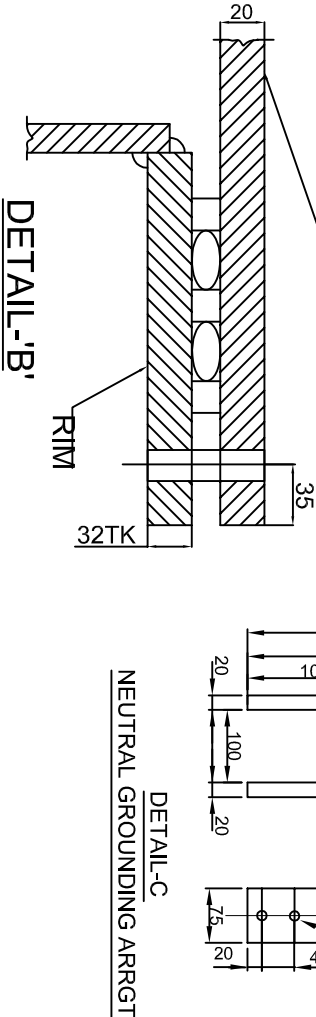
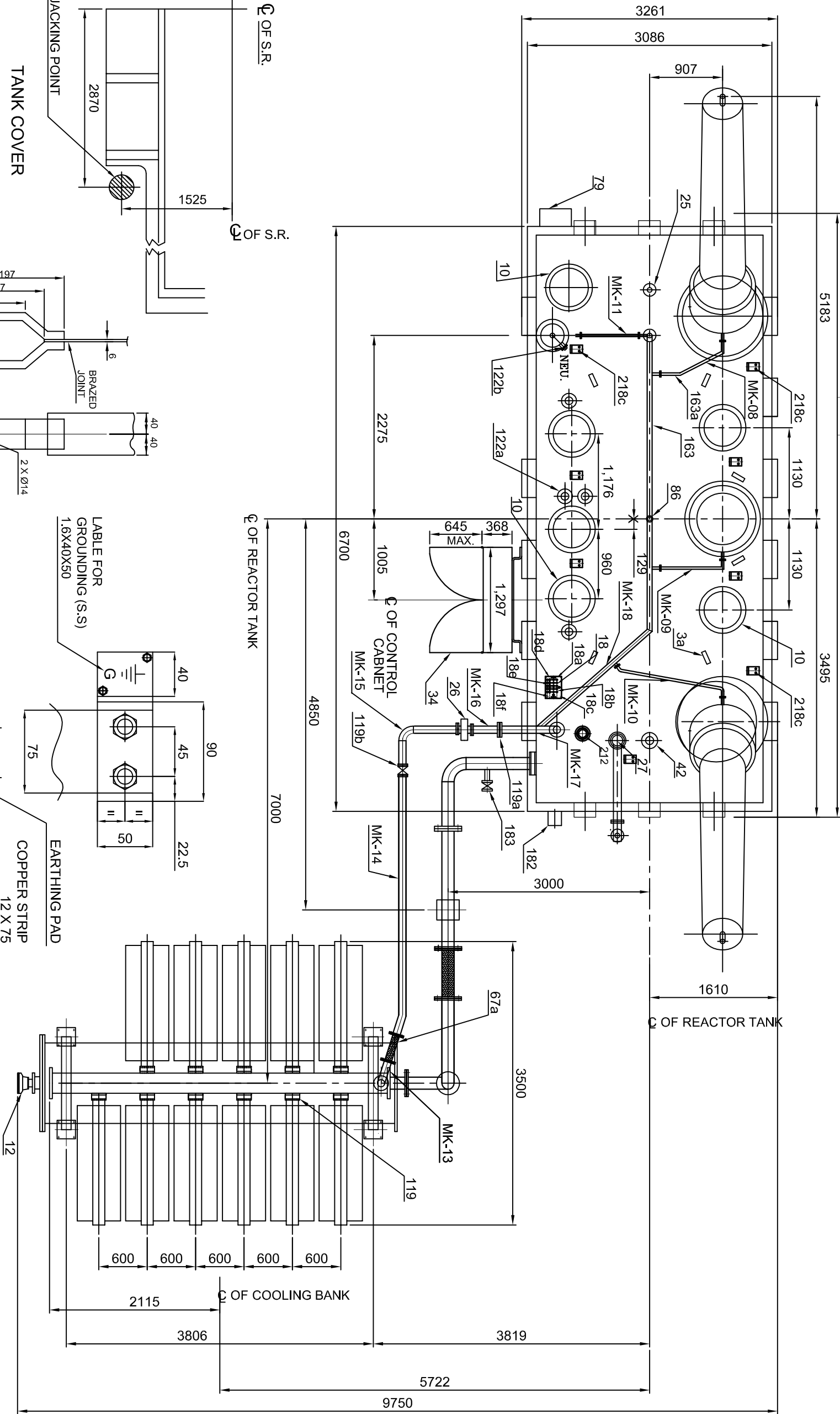
REV	DATE	ALT	CKD	APPD	REV	DATE	ALT	CKD	APPD	TYPE OF PRODUCT	125 MVAR, 420 KV, 3-PHASE., SHUNT REACTOR.	WORK ORDER	W.O. 68015-A-517-01										
										PO. NO.	336/ESD-76SKV/10/RASARA/VOL-3 DATED: 03/07/18	DISTRIBUTION OF PRINTS	TRE-1, TRM-3										
ZONE					ZONE					PROJECT	400/220/132KV (GIS) RASARA SUBSTATION	NAME OF CUSTOMER	M/S UPTCL.	TRE-1, TRM-3									
												BRIHAD HEAVY ELECTRICALS LTD., BHOPAL											
		DEPT	CODE	WEIGHT(Kg)	SCALE				CHD.		KD/DAD	DRN.	RAKESH	20.10.18									
		TRE	406	-----	NTS				APPD.		KD/DAD	24.10.18	24.10.18										
												TITLE OUTLINE GENERAL ARRANGEMENT											
												END VIEW											
												DRG. NO. 3 469 00 02012											
												SHEET 03 OF 04											
												00											

DEPT	CODE	WEIGHT(kg)	SCALE	
TRE	406	-----	NTS	
TITLE	<u>OUTLINE GENERAL ARRANGEMENT</u> <u>END VIEW</u>			



21020 00 697 C 'ON GRD

7500 (INCLUDING GAS CYL. MTG.)



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REF.DRG.NO.3 469 00 01374					SIGN.DATE					INVENTORY NO.					H				
REV					DATE					ZONE					401				
ALT					CKD					APPD					402				
REV					DATE					ZONE					403				
ALT					CKD					APPD					404				
TYPE OF PRODUCT					125 MVAR, 420 KV, 3-PHASE, SHUNT REACTOR.					PO. NO.					336/ESD-765KV/10/RASARA/VOL-3 DATED: 03/07/18				
PROJECT					400/220/132KV (GIS) RASARA SUBSTATION					NAME OF CUSTOMER					M/S UPPTCL.				
STATUS OF DRAWING					WORK ORDER					DISTRIBUTION OF PRINTS					TRE-1, TRM-3				
BHARAT HEAVY ELECTRICALS LTD. BHOPAL					W.O. 68015-A-517-01					TITLE					OUTLINE GENERAL ARRANGEMENT				
DRN.					CHD.					APPD.					DRG. NO.				
NAME					SIGN					DATE					SHEET				
RAKESH					20.10.18					04 OF 04					00				