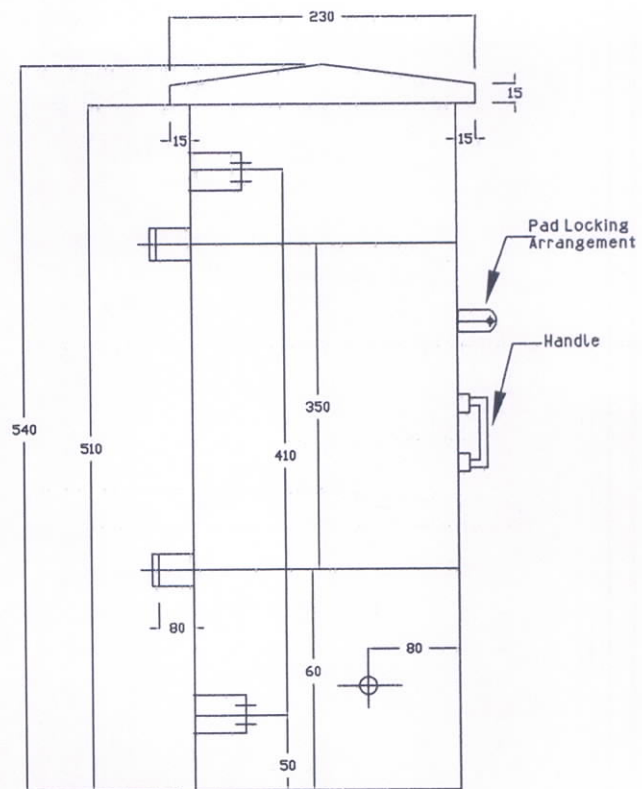
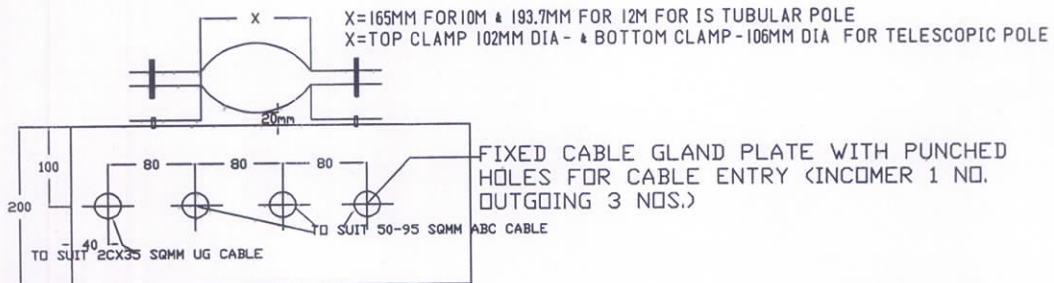


FRONT VIEW



SIDE VIEW



BOTTOM VIEW

NOTE:

KVA RATING	MCCB RATING	PHASE BUSBAR SIZE	NEUTRAL BUSBAR SIZE
10 KVA	63A	12x6MM AL.ALLOY, GR-610I	12x4MM AL.ALLOY, GR-610I
16 KVA	100A	20x5MM AL.ALLOY, GR-610I	20x2MM AL.ALLOY, GR-610I
25 KVA	160A	25x6MM AL.ALLOY, GR-610I	25x4MM AL.ALLOY, GR-610I

BAYONET LAMP (IND) TO BE PROVIDED AND REFER TABLE 101 & 101 IN DDCS FOR CABLE AND MCCB RATING



ENGINEERING AND RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

SINGLE PHASE TRANSFORMER LV DISTRIBUTION BOARD, 3-WAY
INCOMER MCCB-UP TO 160 A, OUTGOING HRC FUSE UP TO 100 A (EXTERNAL VIEW)

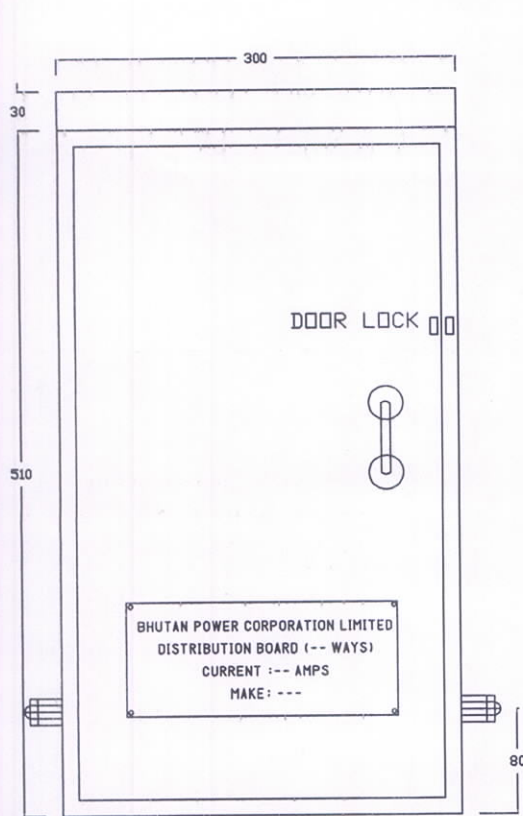
TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO. BPC-DDCS-2020-24A/2-2

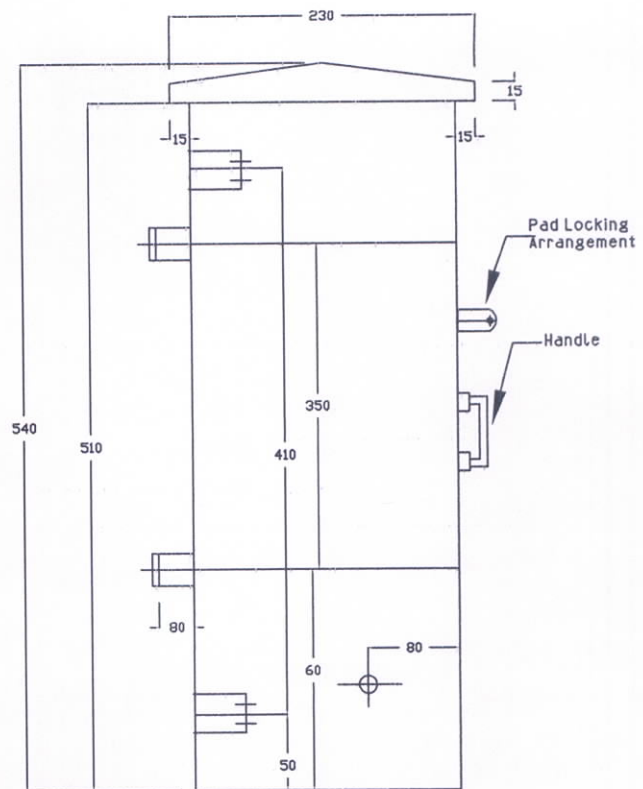
REVISION

2020

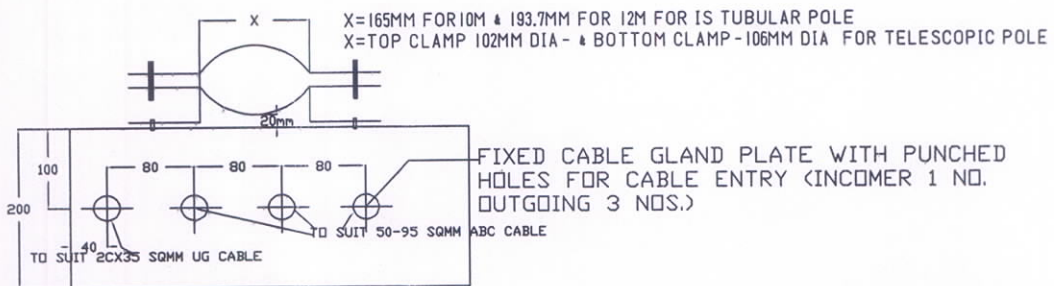




FRONT VIEW



SIDE VIEW



BOTTOM VIEW

NOTE :

KVA RATING	MCCB RATING	PHASE BUSBAR SIZE	NEUTRAL BUSBAR SIZE
10 kVA	63A	12x6MM AL.ALLOY, GR-6101	12x4MM AL.ALLOY, GR-6101
16 kVA	100A	20x5MM AL.ALLOY, GR-6101	20x2MM AL.ALLOY, GR-6101
25 kVA	160A	25x6MM AL.ALLOY, GR-6101	25x4MM AL.ALLOY, GR-6101

BAYONET LAMP (IND) TO BE PROVIDED AND REFER TABLE 101 & 101 IN DDCS FOR CABLE AND MCCB RATING



ENGINEERING AND RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

SINGLE PHASE TRANSFORMER LV DISTRIBUTION BOARD, 3-WAY
INCOMER MCCB-UP TO 160 A, OUTGOING HRC FUSE UP TO 100 A (EXTERNAL VIEW)

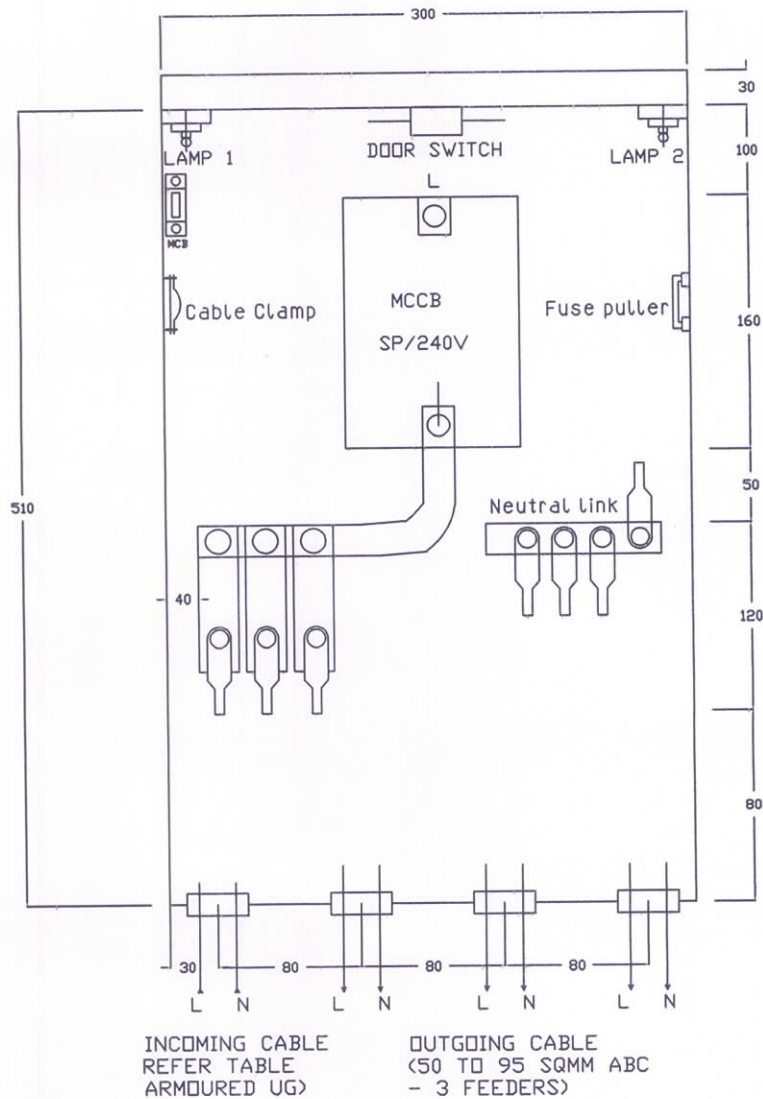
TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO. BPC-DDCS-2020-24A/2-2

REVISION

2020





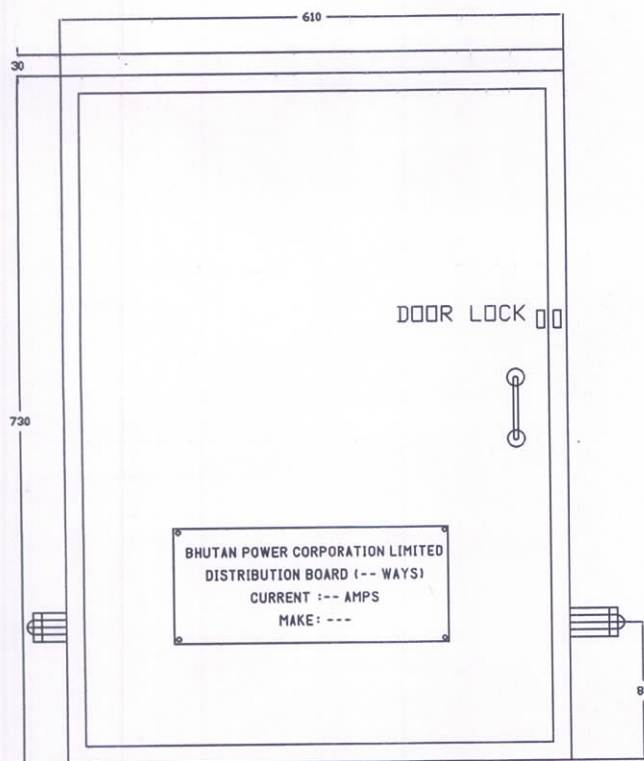
NOTES

INNER DEVICE:

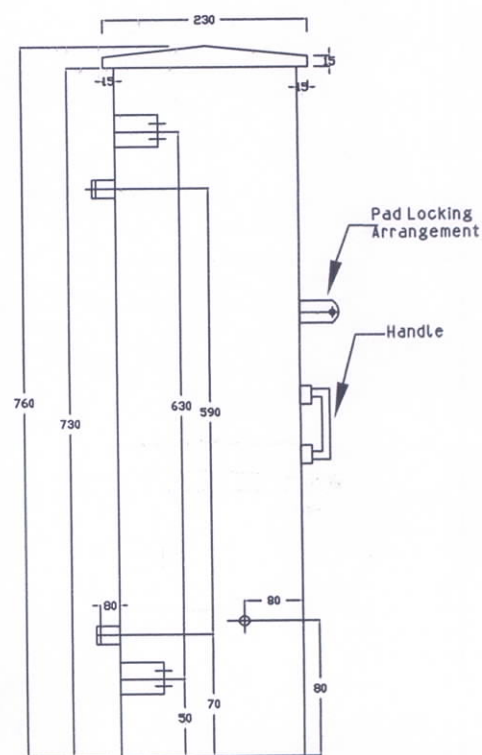
- MCCB UPTO 63 TO 160A, 1NO. SP- 240V
- HRC FUSES: UPTO 100A, 3NOS/2NOS DEPENDING ON NUMBER OF WAYS.
- PROVIDE ONE NUMBER OF HRC FUSE PULLER FOR EVERY BOARD.
- CABLE LUG TO BE SUPPLIED FIXED WITH THE BOARD FOR APPROPRIATE CABLE SIZES.

BHUTAN POWER CORPORATION LIMITED			ENGINEERING AND RESEARCH DEPARTMENT	
			TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD SINGLE PHASE TRANSFORMER LV DISTRIBUTION BOARD, 3 WAYS, INCOMING MCCB - UPTO 160 A, OUTGOING HRC FUSE UPTO 100 A (INTERNAL WIRING)	
TITLE	NAME	DATE	DRAWING NO. BPC-DDCS-2020-24A/1-2	
DESIGNED BY				
CHECKED BY				
APPROVED BY				
			REVISION 2020	

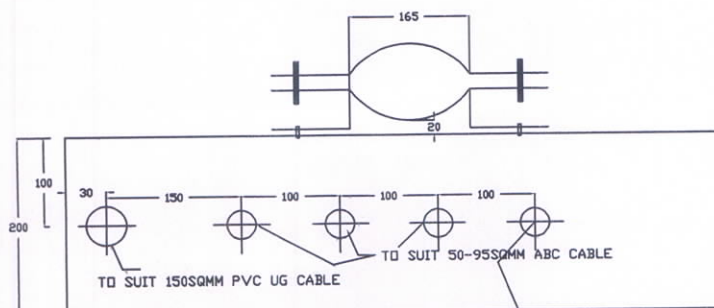




FRONT VIEW



SIDE VIEW



BOTTOM VIEW

FIXED CABLE GLAND PLATE WITH PUNCHED HOLES FOR CABLE ENTRY (OUTGOING 4 NOS) AND (INCOMING 1NO)

KVA RATING	MCCB RATING	PHASE BUSBAR SIZE	NEUTRAL BUSBAR SIZE
16	63A	12x6MM AL.ALLOY, GR-610I	12x4MM AL.ALLOY, GR-610I
25	63A	12x6MM AL.ALLOY, GR-E9IE	12x4MM AL.ALLOY, GR-610I
63	160A	25x6MM AL.ALLOY, GR-E9IE	25x4MM AL.ALLOY, GR-610I
125	250A	50x5MM AL.ALLOY, GR-E9IE	25x5MM AL.ALLOY, GR-610I

*BAYONET LAMP(IND) TO BE PROVIDED
*REFER TABLE 101 & 101 IN DDCS FOR CABLE AND MCCB RATING



BHUTAN POWER CORPORATION LIMITED

ENGINEERING AND RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD
THREE PHASE TRANSFORMER LV DISTRIBUTION BOARD, 4 WAYS, INCOMER
MCCB-UP TO
250A, OUTGOING HRC FUSE UP TO 125A (EXTERNAL VIEW)

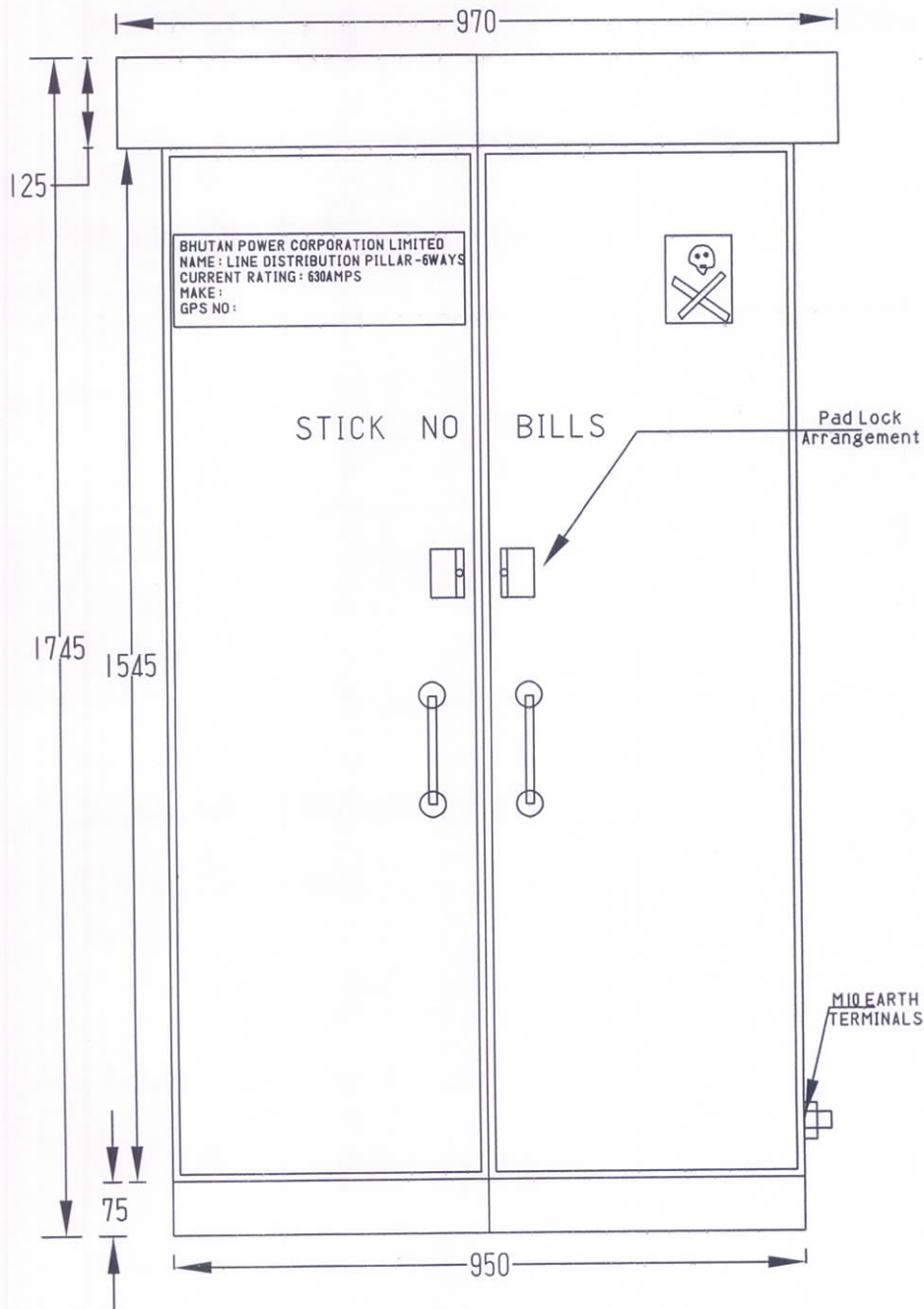
TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO. BPC-DDCS-2020-24B/2-2

REVISION


2020



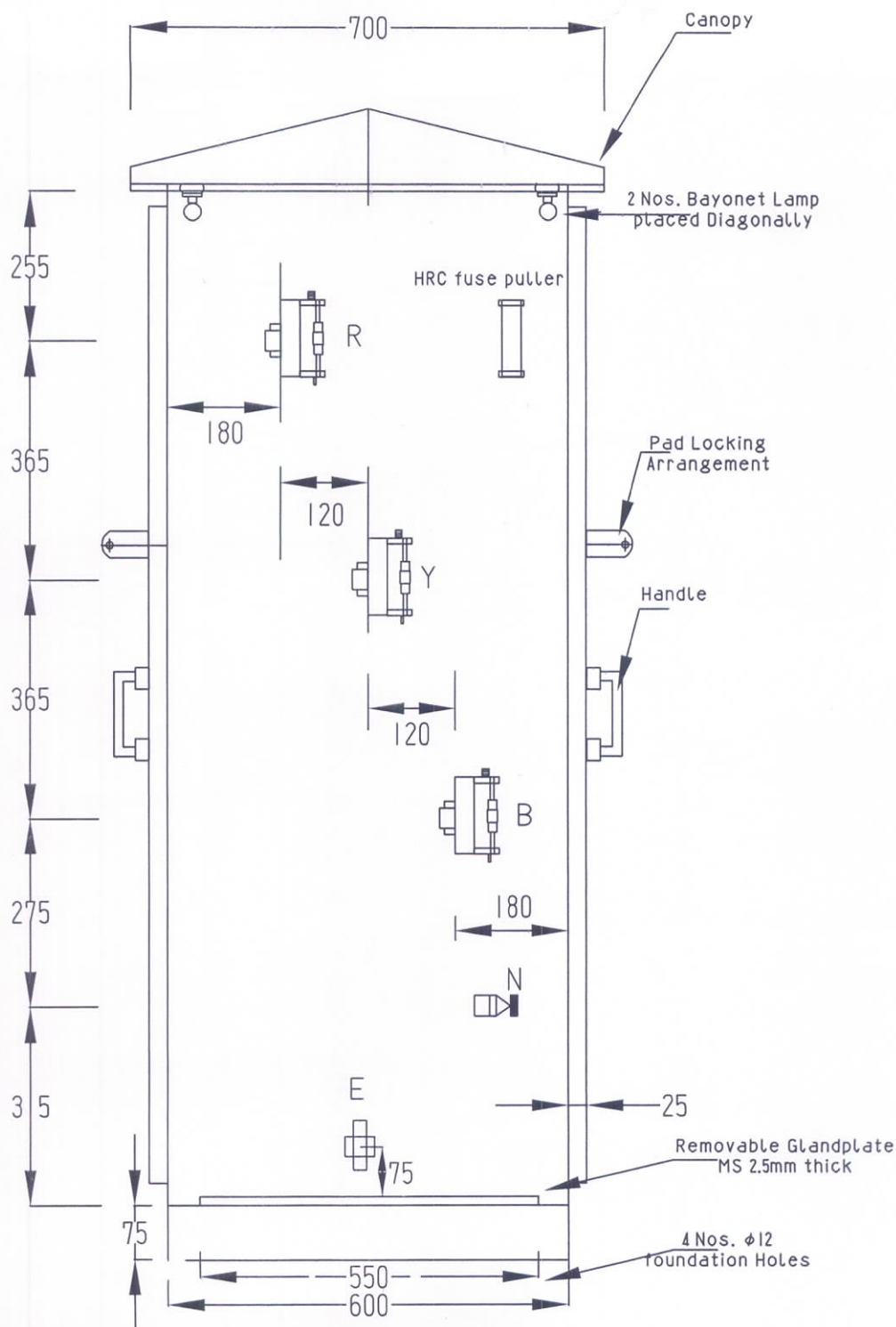


NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. DRAWING NOT TO SCALE.


 BHUTAN POWER CORPORATION LIMITED			ENGINEERING DESIGN & RESEARCH DEPARTMENT	
			TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD	
			DISTRIBUTION PILLAR (FRONT ELEVATION)	
TITLE	NAME	DATE	DRAWING NO. BPC-DDCS-2020-27/1-5	REVISION 2020
DESIGNED BY				
CHECKED BY				
APPROVED BY				

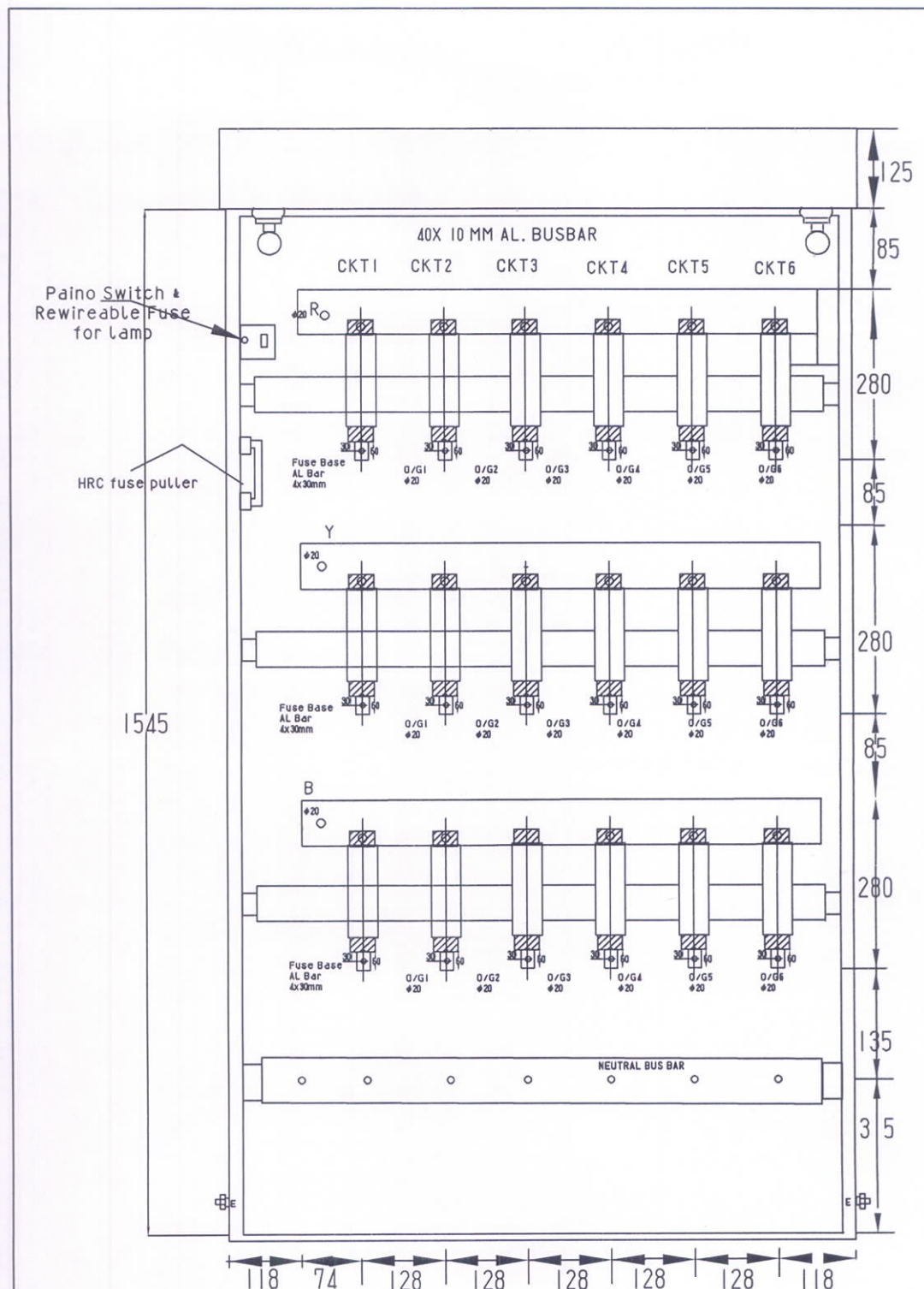




NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.THE PILLAR SHALL BE TWO SIDED DOORS
2. DRAWING NOT TO SCALE.

 BHUTAN POWER CORPORATION LIMITED		ENGINEERING DESIGN & RESEARCH DEPARTMENT		
		TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD 315 KVA - 630AMPS - 6WAYS TRANSFORMER DISTRIBUTION PILLAR (SIDE ELEVATION)		
TITLE	NAME	DATE	DRAWING NO. BPC-DDCS-2020-27B/2-5	REVISION 2020
DESIGNED BY				
CHECKED BY				
APPROVED BY				



NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. PROVIDE ONE NO. FUSE FULLER FOR EVERY DISTRIBUTION BOARD
3. HRC FUSE RATING :
400A 3150R kVA
500A FOR 500 kVA



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING DESIGN & RESEARCH DEPARTMENT

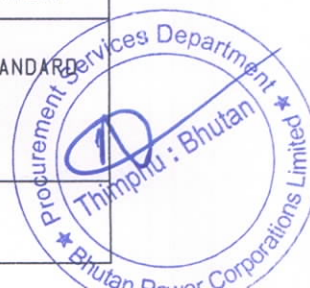
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

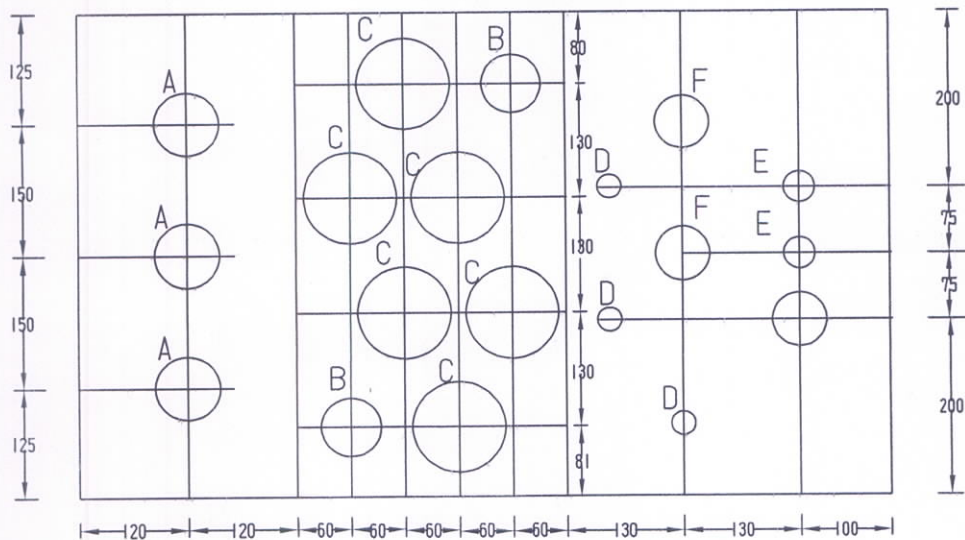
DISTRIBUTION PILLAR
(FRONT ELEVATION WITHOUT DOOR)

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO.
BPC-DDCS-2020-27/3-5

REVISION
2020





MS. GLAND PLATE

HOLE SIZE

A - 1CX500SQ.MM-KNOCKOUT	6.72"
B - 4CX400SQ.MM-KNOCKOUT	3.16"
C - 4CX300SQ.MM-KNOCKOUT	2.78"
D - 4CX240SQ.MM-KNOCKOUT	2.25"
E - 2CX6SQ.MM	0.75"
F - 2CX10SQ.MM	1"



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING DESIGN & RESEARCH DEPARTMENT

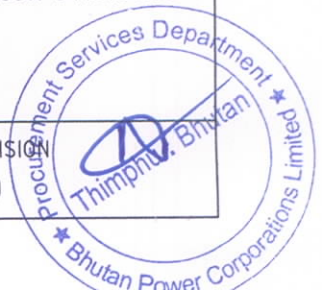
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

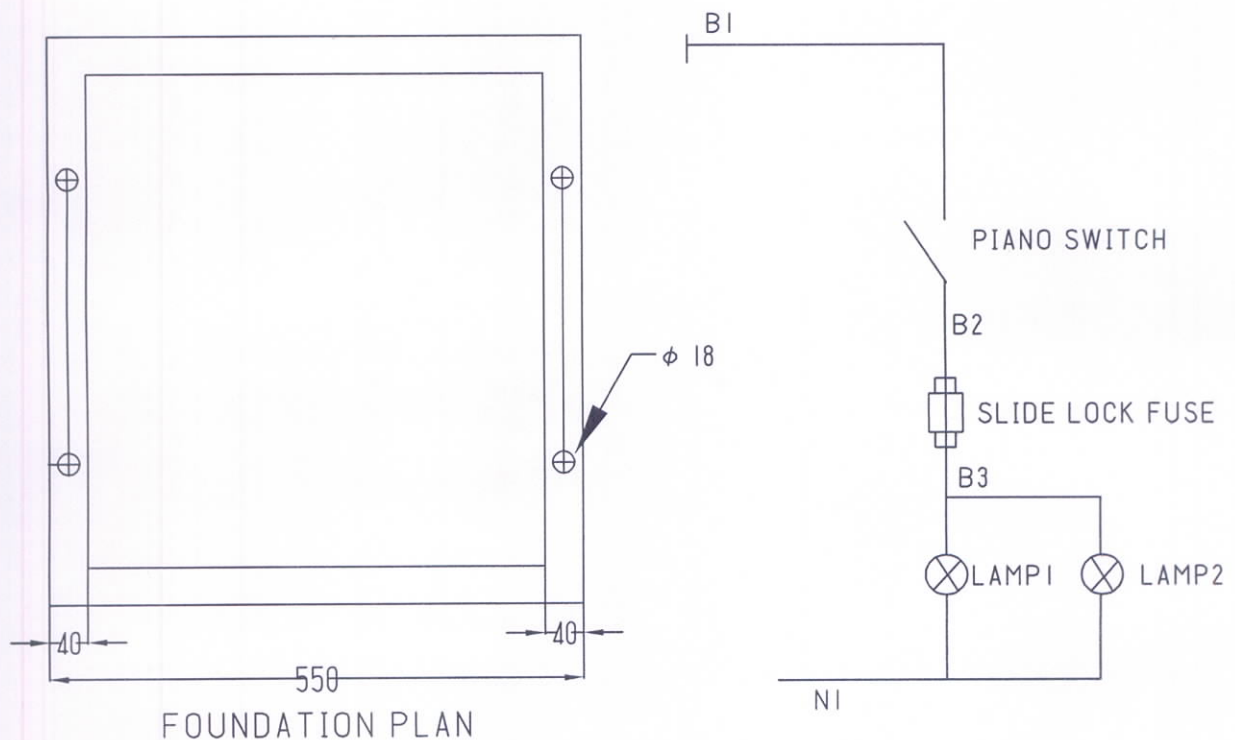
DISTRIBUTION PILLAR
(GLAND PLATE DETAILS)

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO.
BPC-DDCS-2020-27/4 -5

REVISION
2020





NOTES:

PHASE - 60X10MM AL - 3NOS.

NEUTRAL - 50X6MM AL - 1 NO. MATERIAL - THE FEEDER PILLAR (INCLUDING BASE CHANNEL) SHALL BE FABRICATED OUT OF 2.5MM MS SHEET.

PAINT - SEIMENS GREY.

EARTH - 1X10X40MM, AL ALLOY.



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING DESIGN & RESEARCH DEPARTMENT

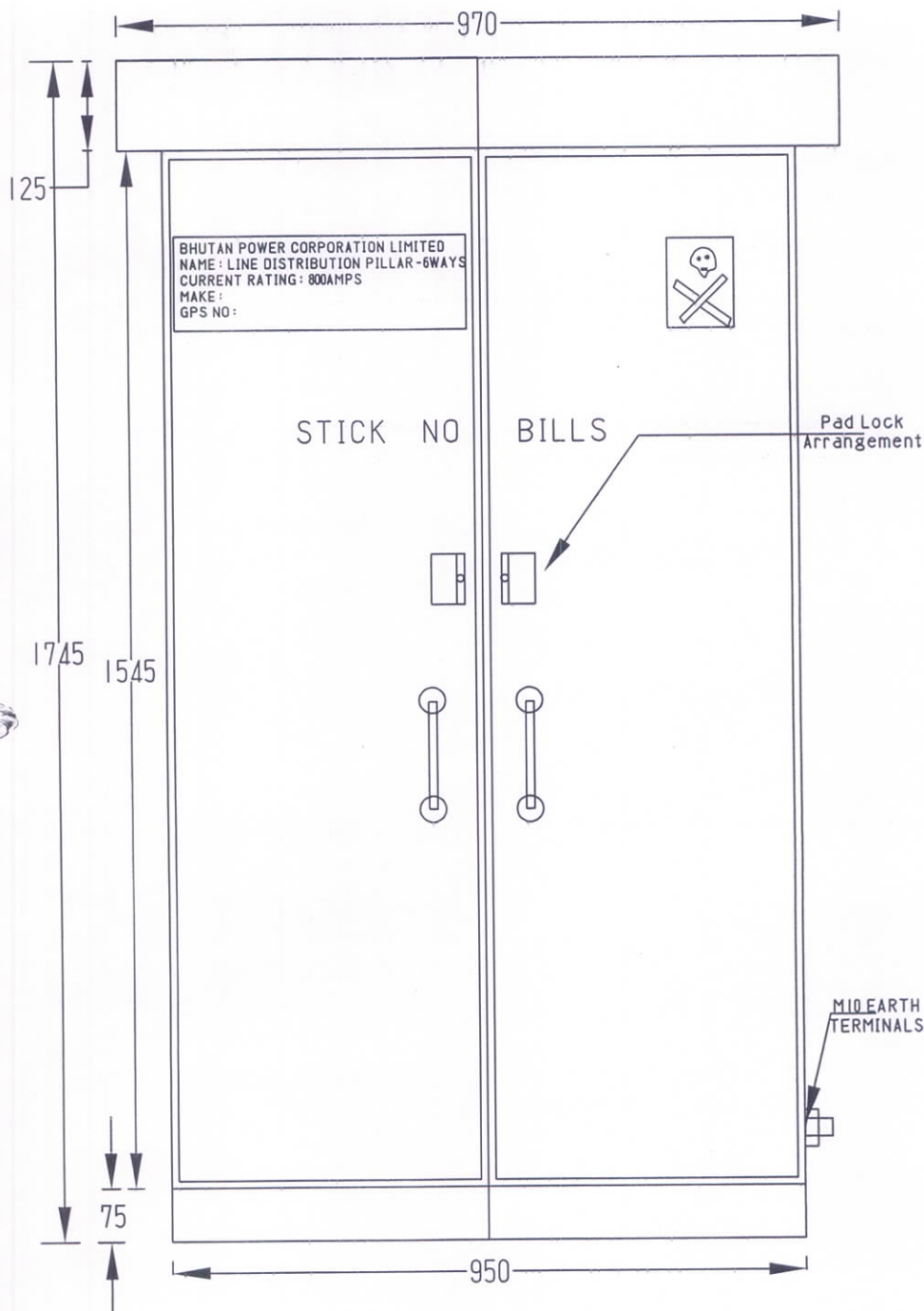
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD
315 KVA - 630 - AMPS - 4WAYS TRANSFORMER
DISTRIBUTION PILLAR
(FOUNDATION DETAILS AND LIGHTING CKT)

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO.
BPC-DDCS-2020-27B/5-5


REVISION
2020

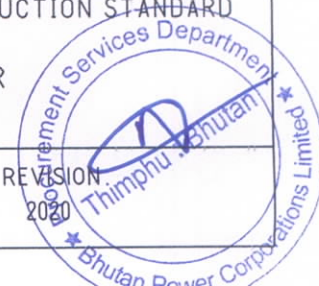


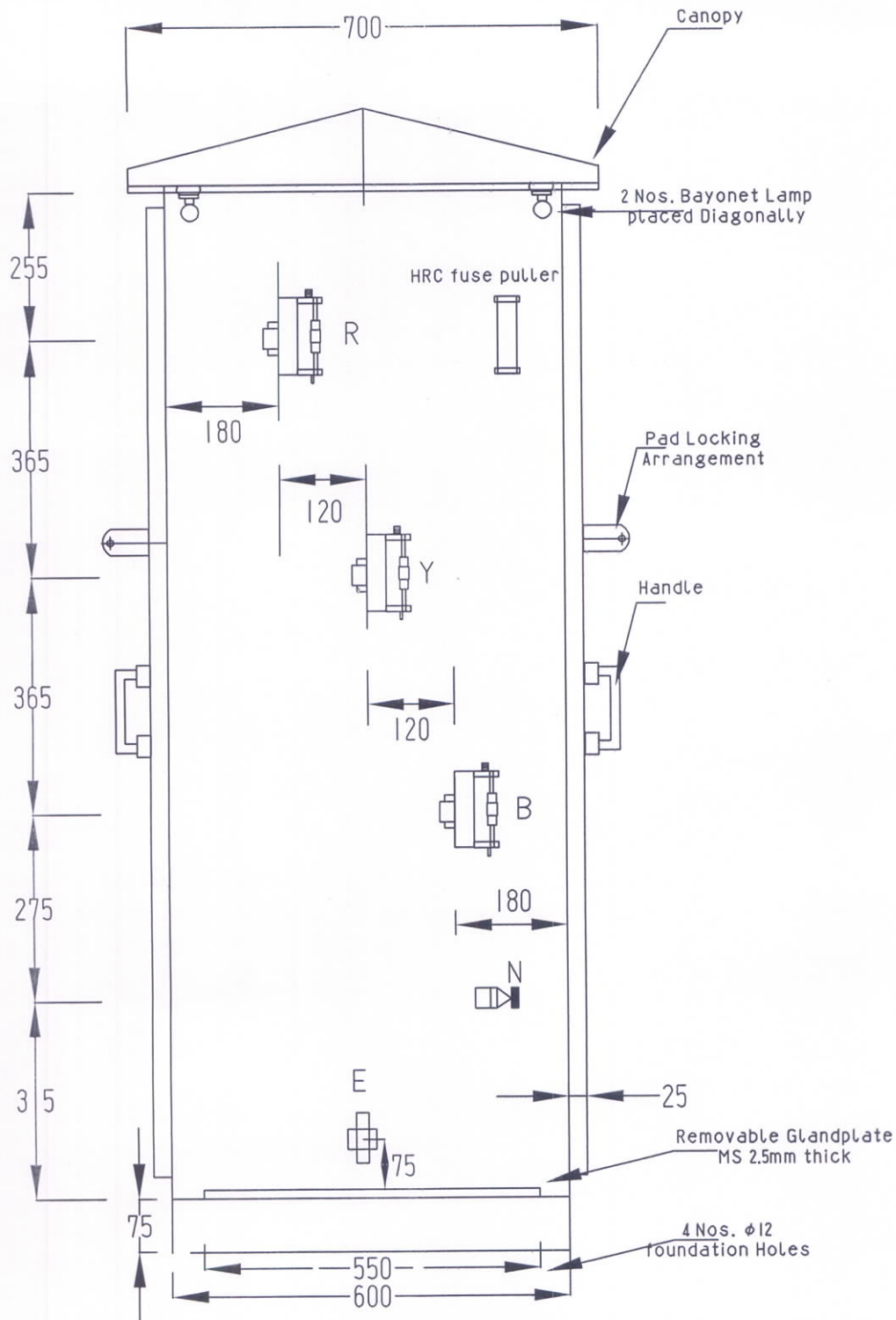


NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. DRAWING NOT TO SCALE.



 <p>BHUTAN POWER CORPORATION LIMITED</p>			ENGINEERING DESIGN & RESEARCH DEPARTMENT	
			<p>TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD</p> <p>DISTRIBUTION PILLAR (FRONT ELEVATION)</p>	
TITLE	NAME	DATE	<p>DRAWING NO. BPC-DDCS-2020-27/1-5</p> <p>REVISION 2020</p>	
DESIGNED BY				
CHECKED BY				
APPROVED BY				

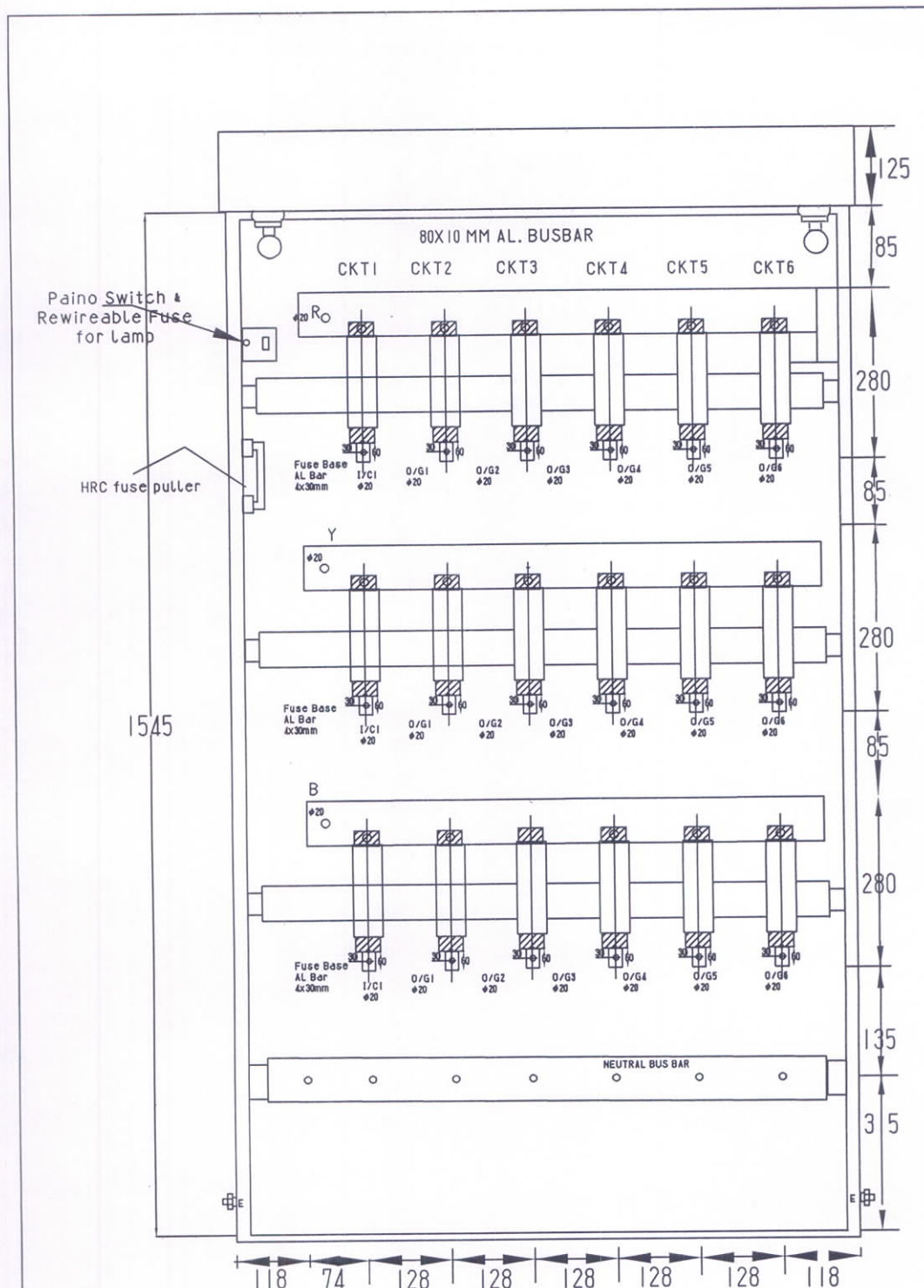




NOTES

1. DIMENSIONS AS SHOWN ARE IN MM. THE PILLAR SHALL BE TWO SIDED DOORS
2. DRAWING NOT TO SCALE.

 BHUTAN POWER CORPORATION LIMITED		ENGINEERING DESIGN & RESEARCH DEPARTMENT		
		TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD		
DISTRIBUTION PILLAR (SIDE ELEVATION)				
DRAWING NO. BPC-DDCS-2020-27/2-5				
REVISION 2020				
TITLE	NAME	DATE		
DESIGNED BY				
CHECKED BY				
APPROVED BY				



NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. PROVIDE ONE NO. FUSE FULLER FOR EVERY DISTRIBUTION BOARD



BHUTAN POWER CORPORATION LIMITED

ENGINEERING DESIGN & RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

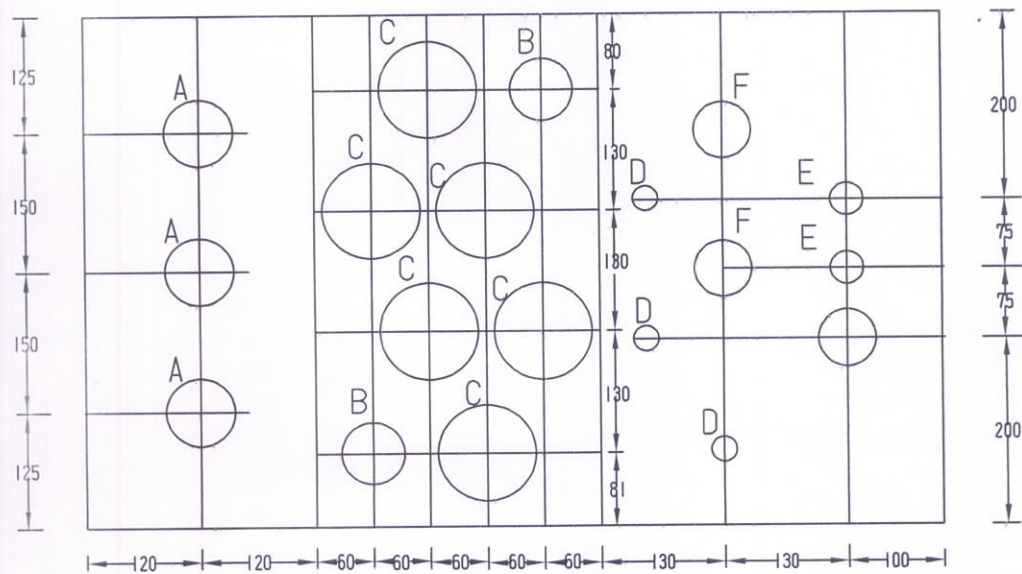
DISTRIBUTION PILLAR
(FRONT ELEVATION WITHOUT DOOR)

DRAWING NO.
BPC-DDCS-2020-27/3-5

REVISION
2020

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		





MS. GLAND PLATE

HOLE SIZE

A - 1CX500SQ.MM - KNOCKOUT	6.72"
B - 4CX400SQ.MM - KNOCKOUT	3.16"
C - 4CX300SQ.MM - KNOCKOUT	2.78"
D - 4CX240SQ.MM - KNOCKOUT	2.25"
E - 2CX6SQ.MM	0.75"
F - 2CX10SQ.MM	1"



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING DESIGN & RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

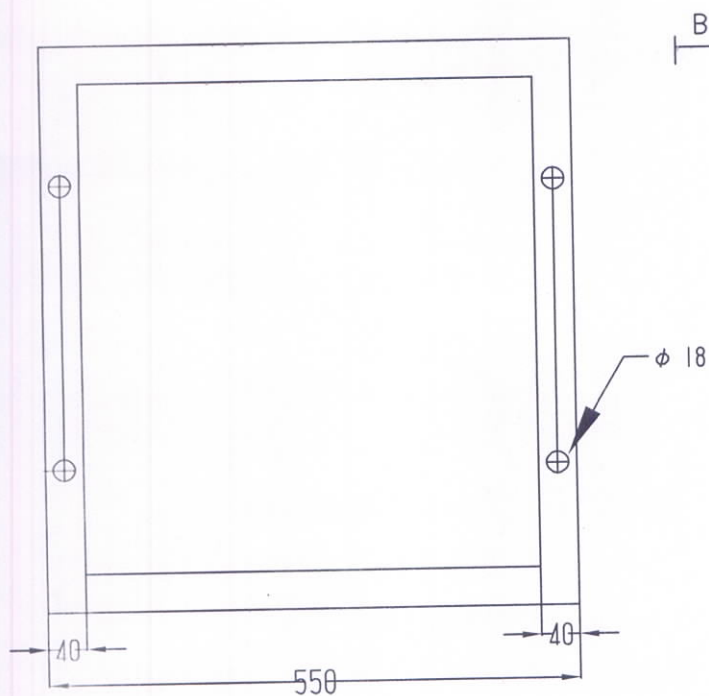
DISTRIBUTION PILLAR
(GLAND PLATE DETAILS)

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

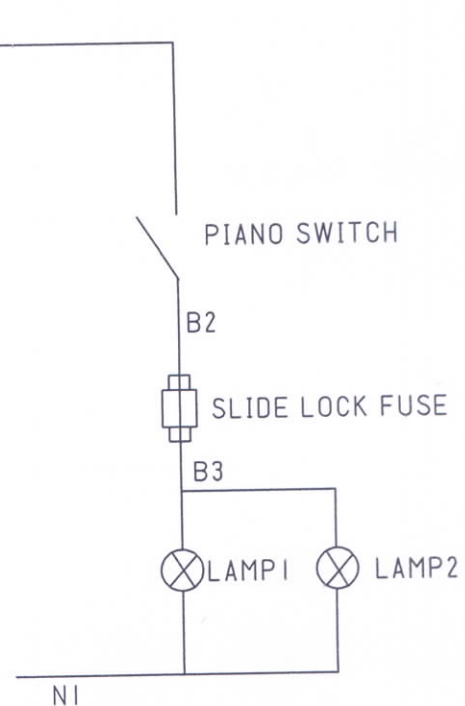
DRAWING NO.
BPC-DDCS-2020-27/4 -5

REVISION
2020






FOUNDATION PLAN

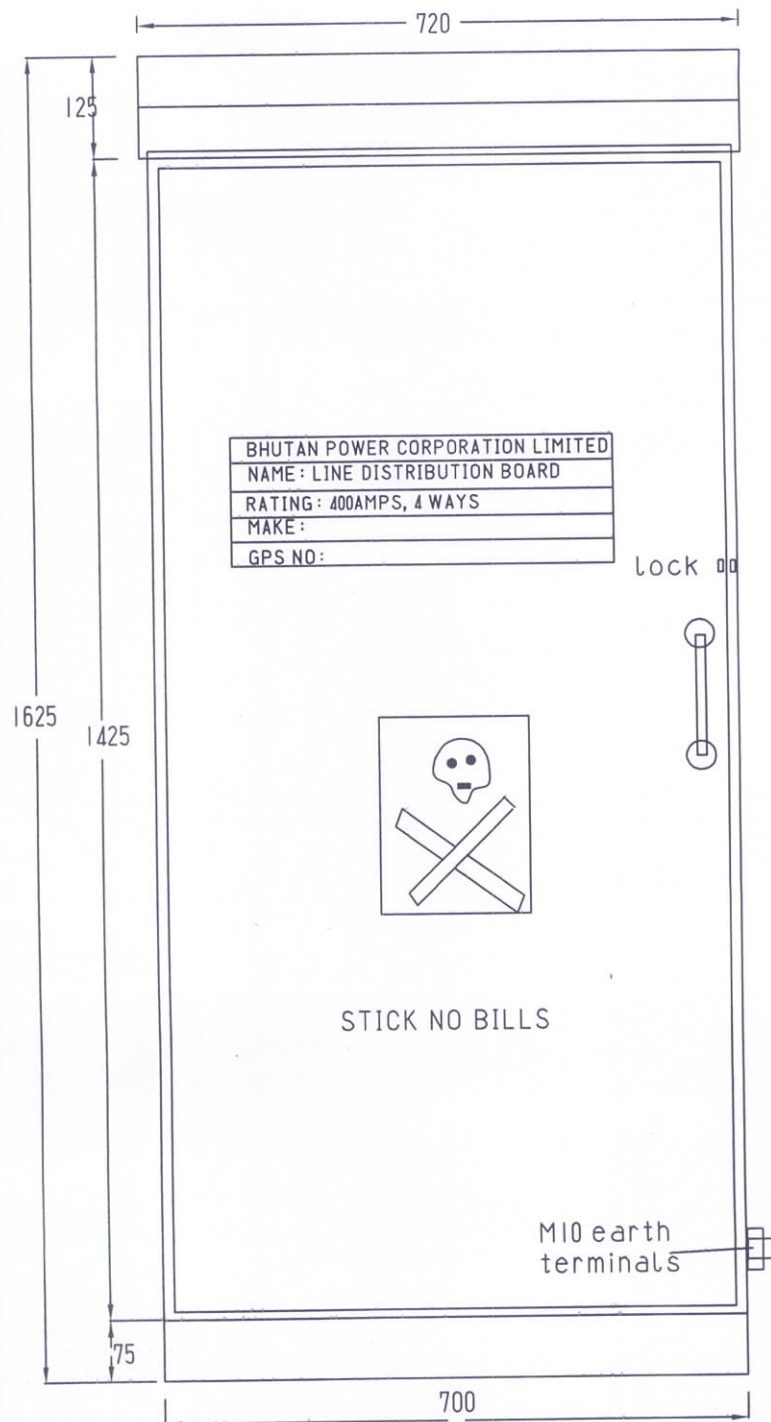


NOTES:

PHASE - 80x10MM AL - 3NOS., NEUTRAL - 80x5MM AL - 1 NO. MATERIAL & EARTH - 1X6X20MM, AL ALLOY. THE FEEDER PILLAR (INCLUDING BASE CHANNEL) SHALL BE FABRICATED OUT OF 2.5MM MS SHEET PAINT - SEIMENS GREY.


CORRECT CABLE GLAND SIZE TO BE USED ACCORDINGLY WITH CABLE SIZE
REFER TABLE 105 FROM DDCS FOR FUSE RATING

		BHUTAN POWER CORPORATION LIMITED		ENGINEERING DESIGN & RESEARCH DEPARTMENT	
				TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD	
TITLE		NAME	DATE	DISTRIBUTION PILLAR (FOUNDATION DETAILS AND LIGHTING CKT)	
DESIGNED BY					
CHECKED BY					
APPROVED BY				DRAWING NO. BPC-DDCS-2020-27/5-5	
				REVISION 2020	



NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. DRAWING NOT TO SCALE.

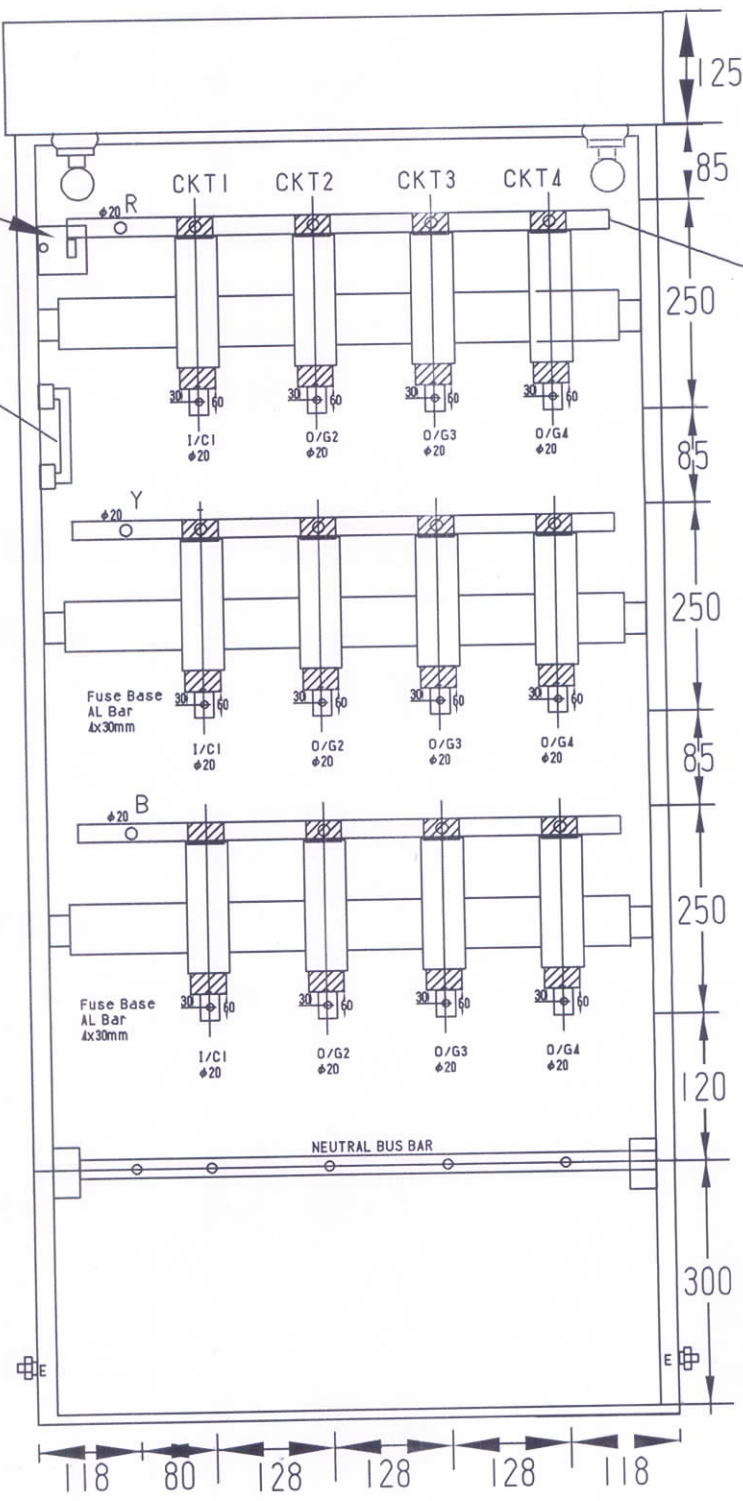
 BHUTAN POWER CORPORATION LIMITED			ENGINEERING AND RESEARCH DEPARTMENT	
			TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD 4WAYS DISTRIBUTION PILLAR FRONT ELEVATION & SIDE ELEVATION	
TITLE	NAME	DATE	DRAWING NO. BPC-DDCS-2020-26/1-5 REVISION 2020	
DESIGNED BY				
CHECKED BY				
APPROVED BY				



Paino Switch &
Rewireable Fuse
for lamp


HRC fuse puller

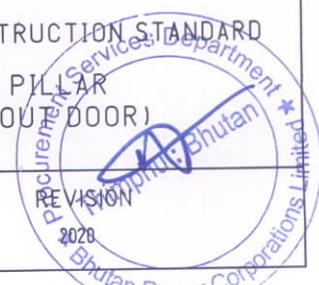
40X 10 MM AL.
BUSBAR

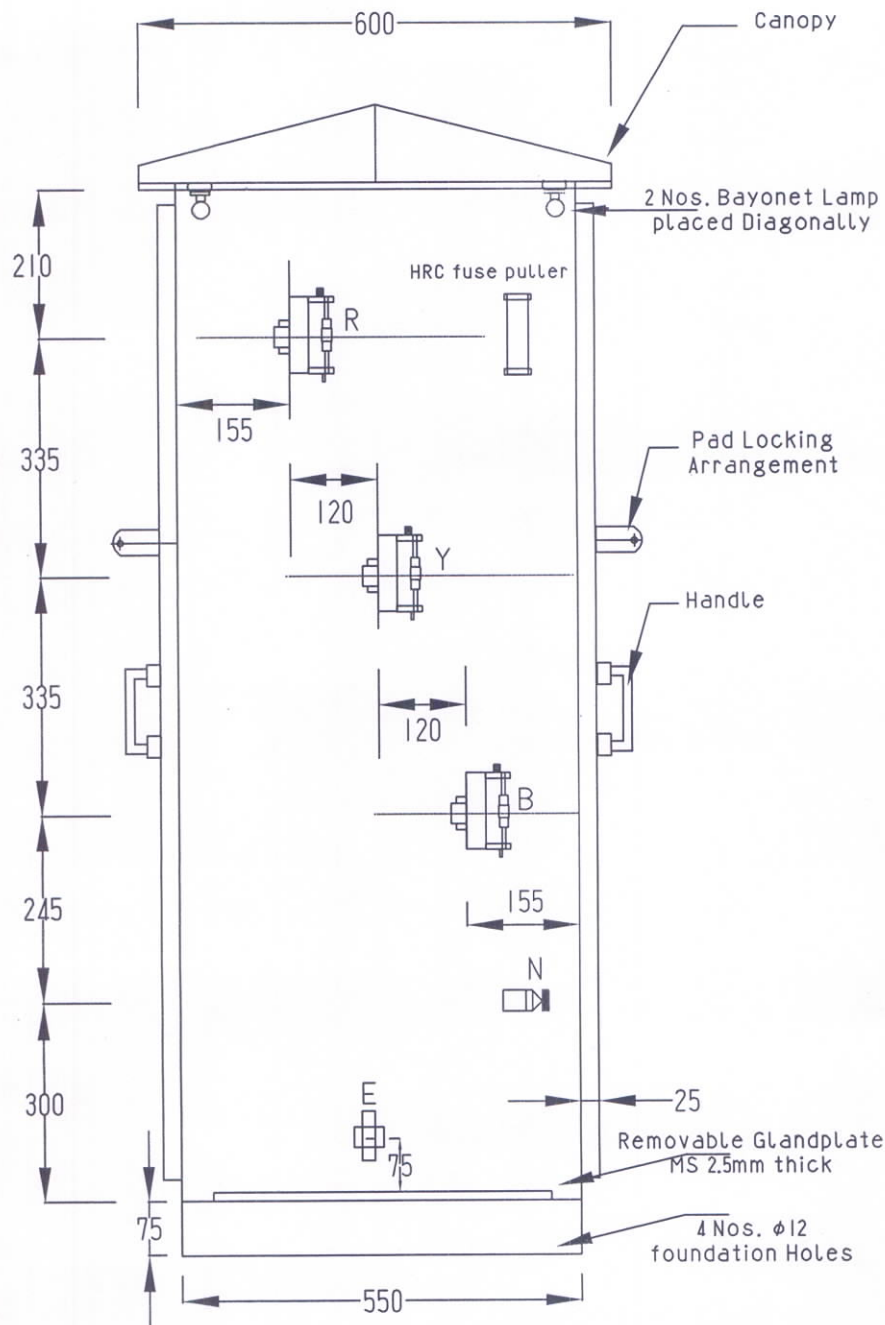


NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. PROVIDE ONE NO. OF FUSE PULLER FOR EVERY DISTRIBUTION BOARD.


 <p>BHUTAN POWER CORPORATION LIMITED</p>		ENGINEERING AND RESEARCH DEPARTMENT	
		<p>TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD</p> <p>4WAYS DISTRIBUTION PILLAR (FRONT ELEVATION WITHOUT DOOR)</p>	
TITLE	NAME	DATE	<p>DRAWING NO. BPC-DDCS-2020-26/2-5</p>
DESIGNED BY			
CHECKED BY			
APPROVED BY			



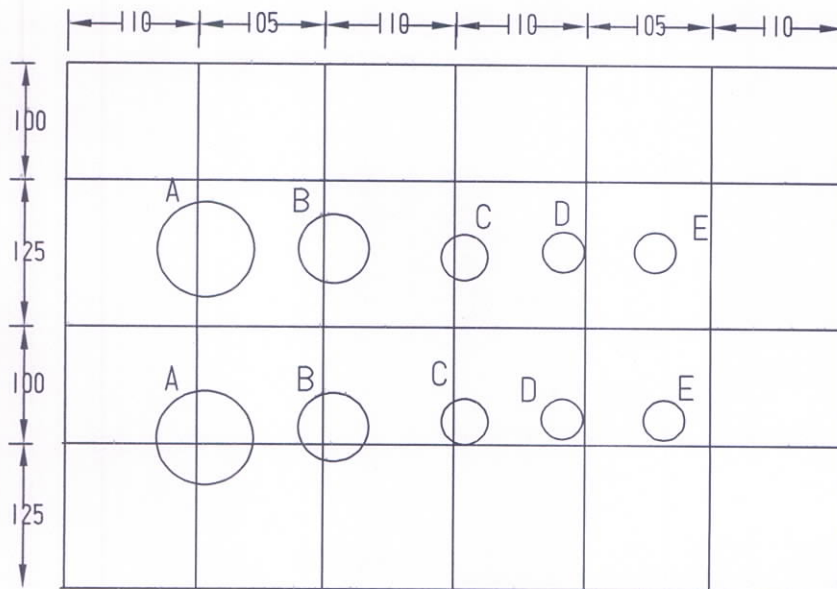


NOTES

1. DIMENSIONS AS SHOWN ARE IN MM. THE PILLAR SHALL BE TWO SIDED DOORS
2. DRAWING NOT TO SCALE.

	<p>BHUTAN POWER CORPORATION LIMITED</p>	<p>ENGINEERING AND RESEARCH DEPARTMENT</p>	
		<p>TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD</p> <p>4WAYS DISTRIBUTION PILLAR</p>	
<p>TITLE</p>	<p>NAME</p>	<p>DATE</p>	<p>DRAWING NO. BPC-DDCS-2020-26/3-5</p> <p>REVISION</p> <p>2020</p>
<p>DESIGNED BY</p>			
<p>CHECKED BY</p>			
<p>APPROVED BY</p>			





GLAND PLATE	HOLE SIZE
A-4CX300sq.mm-KNOCKOUT	2.78"
B-4CX185sq.mm-KNOCKOUT	2.29"
C-4CX150sq.mm-KNOCKOUT	2.09"
D-2CX10sq.mm-KNOCKOUT	0.75
E-2CX6sq.mm-KNOCKOUT	0.65"



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING AND RESEARCH DEPARTMENT

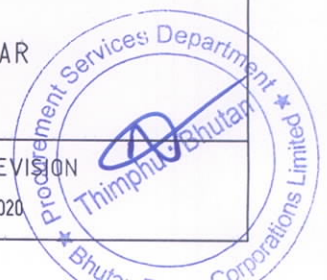
TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

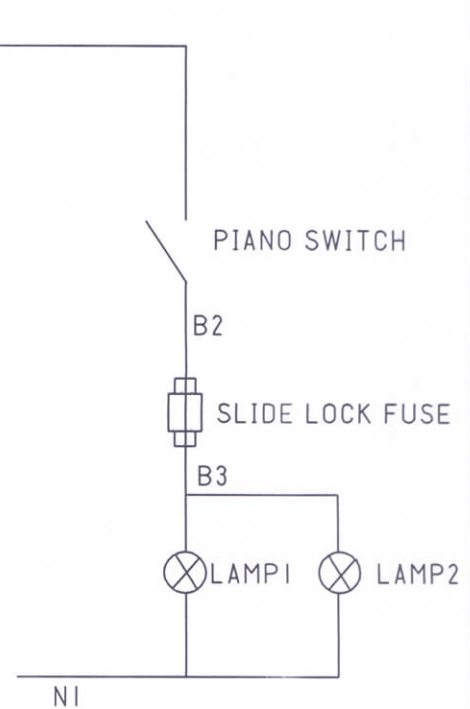
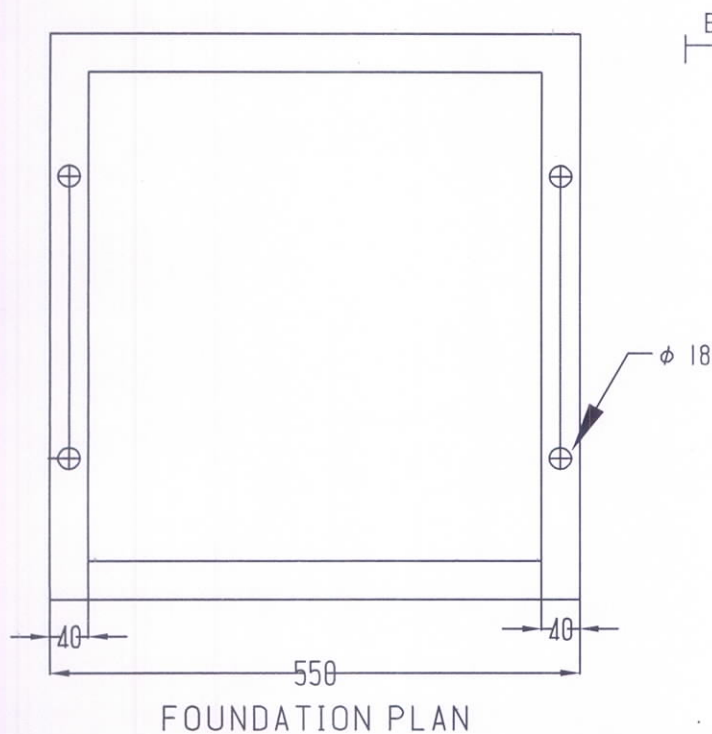
4WAYS DISTRIBUTION PILLAR
(GLAND PLATE DETAIL)

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO. BPC-DDCS-2020-26/4-5

REVISION
2020




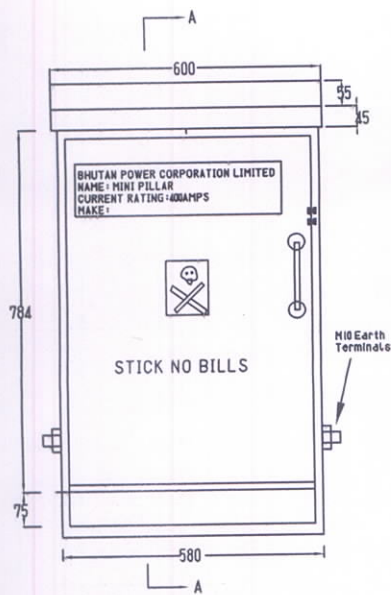


NOTES:

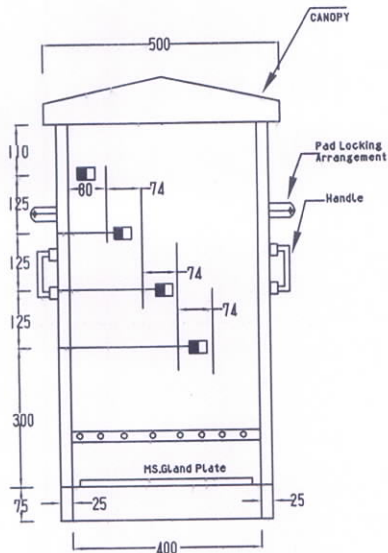
PHASE - 40X10MM AL - 3NOS. & NEUTRAL - 40X10 MM, EARTH - 1X10X20MM, AL ALLOY AL - 1 NO. MATERIAL - THE FEEDER PILLAR (INCLUDING BASE CHANNEL) SHALL BE FABRICATED OUT OF 2.5MM MS SHEET PAINT - SEIMENS GREY.

CORRECT CABLE GLAND SIZE TO BE USED ACCORDINGLY WITH CABLE SIZE
REFER TABLE 105 FROM DDCS FOR FUSE RATING

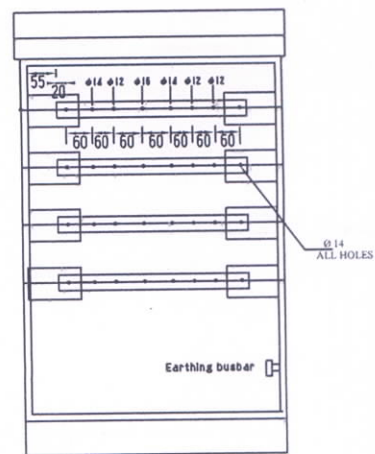
 <p>BHUTAN POWER CORPORATION LIMITED</p>	ENGINEERING AND RESEARCH DEPARTMENT	
	<p>TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD</p> <p>4WAYS DISTRIBUTION PILLAR (FOUNDATION DETAILS AND LIGHTING CIRCUIT)</p>	
TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		
DRAWING NO. BPC-DDCS-2020-26/5-5		<p>REVISION</p> <p>2020</p>



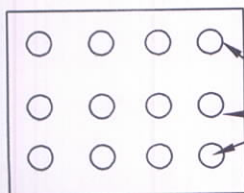
FRONT ELEVATION



SIDE ELEVATION: (A:A)

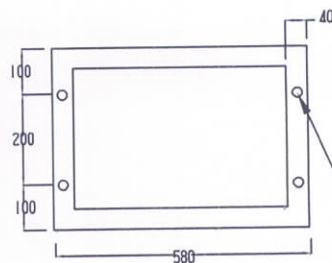


FRONT ELEVATION WITHOUT DOOR

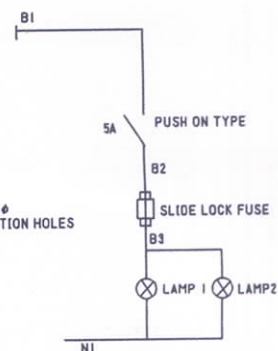


GLAND PLATE DETAILS

PUNCH HOLES FOR
CABLE ENTRY
VARIOUS SIZE OF CABLES
FROM 16SQ.MM TO 300SQ.MM



FOUNDATION PLAN



PHASE BUS BAR -IX10X50MM AL. ALLOY
NEUTRAL -IX10X50MM AL. ALLOY.
MATERIAL -THE FEEDER PILLAR (INCLUDING BASE CHANNEL SHALL BE FABRICATED OUT OF 2.5MM MS SHEET
PAINT -RAL 7035
EARTH BUS BAR -IX10X20MM AL. ALLOY.

NOTES

1. DIMENSIONS AS SHOWN ARE IN MM.
2. DRAWING NOT TO SCALE.



BHUTAN POWER
CORPORATION LIMITED

ENGINEERING AND RESEARCH DEPARTMENT

TITLE : DISTRIBUTION DESIGN & CONSTRUCTION STANDARD

MINI FEEDER PILLAR 400AMPS

TITLE	NAME	DATE
DESIGNED BY		
CHECKED BY		
APPROVED BY		

DRAWING NO. BPC-DDCS-2020-25

REVISION
2020

