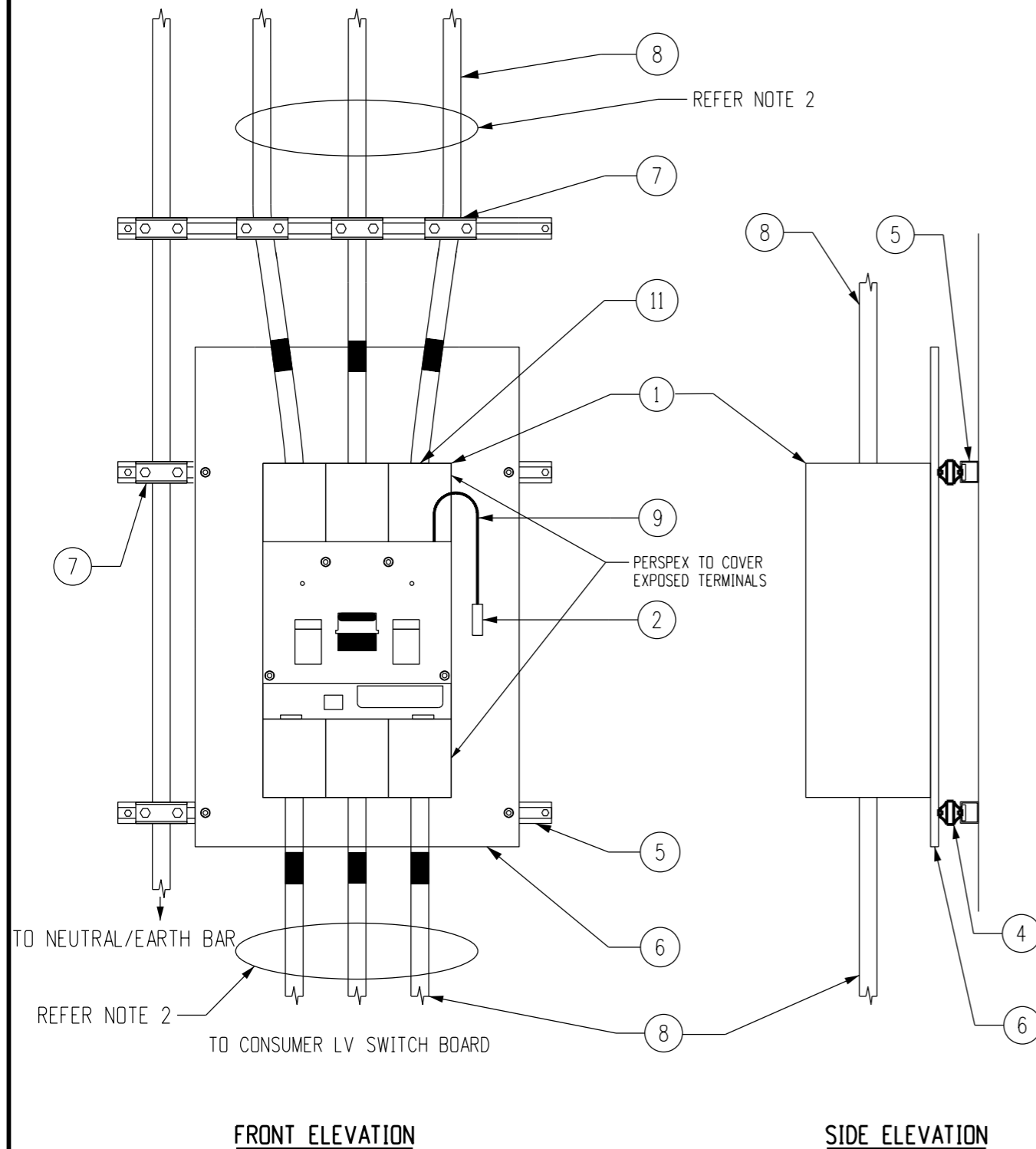


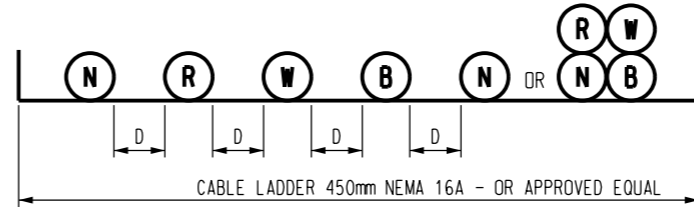
FROM TRANSFORMER LV BUSHINGS REFER TO S02-02-07-62



**NOTES:**

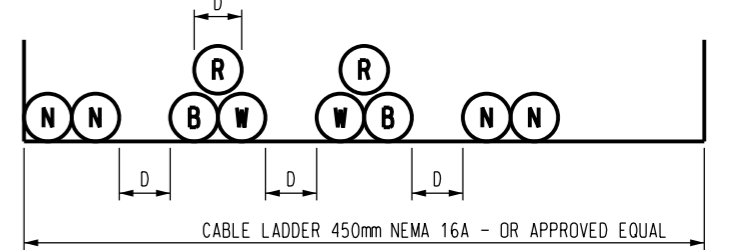
1. MCCB SIZE IS TO SUIT THE SCOPE OF WORKS
2. CABLES SHALL BE SECURED ON CABLE LADDERS MOUNTED ON WALLS OR SUSPENDED FROM THE CEILING. CABLES SHALL BE MOUNTED IN A TREFOIL CONFIGURATION WHENEVER POSSIBLE USING AN APPROVED CABLE CLEAT AND CABLE LADDER ARRANGEMENT.
3. PREFERRED THAT THE CONSUMER MAIN IS CONNECTED TO THE BOTTOM OF THE MCCB.
4. THE MCCB SHALL BE MOUNTED ON A 12mm THICK INSULATED BAKELITE BOARD, WHICH IS MOUNTED TO THE SUBSTATION WALL USING UNISTRUT CHANNELS AND 50mm LV INSULATING BOBBINS.
5. ALL NEUTRAL AND EARTH CONNECTIONS SHALL BE CONNECTED TO THE SUBSTATION MAIN EARTH BAR ON EITHER SIDE OF THE MCCB. REFER TO S02-02-05-09.
6. PHASE COLOUR CODE HEATSHRINK SHALL BE APPLIED TO CABLES BEFORE CONNECTION ONTO THE MCCB AND TERMINATION COVERS.

**500KVA TRANSFORMERS. SINGLE CIRCUIT EACH PHASE**



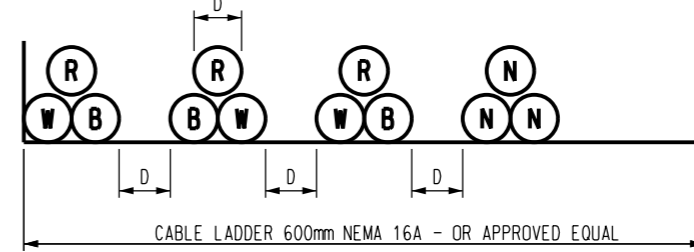
LOCATE NEUTRAL AT ONE LOCATION ONLY AS SHOWN TO SUIT EQUIPMENT LOCATION.

**750 AND 100KVA TRANSFORMERS. TWIN CIRCUIT EACH PHASE**



LOCATE NEUTRAL AT ONE LOCATION ONLY AS SHOWN TO SUIT EQUIPMENT LOCATION.

**1500KVA TRANSFORMERS. TRIPLE CIRCUIT EACH PHASE**



ITEM	QTY	DESCRIPTION	ITEM NUMBER	DWG No.
11	A/R	LV CABLE TERMINATION DETAILS	-	S02-02-02-10
10	-	-	-	-
9	500mm	16SQ.mm SDI CABLE, NO LONGER THAN 500mm	1644	S02-01-01-23
8	A/R	FLEXIBLE COPPER CABLE R-EP-110	-	S02-01-01-41
7	A/R	SUITABLE PWC APPROVED CABLE CLEAT, SINGLE AND FOUR CORE SUITABLE PWC APPROVED CABLE CLEAT, THREE CORE	-	S02-01-09-03 S01-01-04-53
6	A/R	12mm THICK INSULATED BAKELITE BOARD	8094	-
5	A/R	UNISTRUT P1000-HG HDG CHANNEL	8680	S01-01-04-06
4	A/R	50mm LV INSULATING BOBBIN	504502	-
3	1	63A "RED SPOT" FUSE	9936	-
2	1	"RED SPOT" FUSE BASE FOR INTERNAL LIGHTING AND POWER SUPPLY	1503	-
1	A/R	PWC APPROVED MCCB KIT	-	S02-02-08-03

**MATERIAL SCHEDULE**

NO	DESCRIPTION	DRN	DATE	CKD	APPD
5	UPDATED "RED SPOT" FUSE BASE CONNECTION, NOTE 2&4, AND MATERIAL SCHEDULE. SPELLING CORRECTION.	H.E.	JAN'21	H.E.	B.C.
4	TITLEBLOCK & DRAWING NUMBERS FORMATTED	K.T.	FEB'19	C.C.	C.C.
3	NOTES AMENDED & ITEM ADDED	C.C.	MAY'18	I.B.	B.C.
2	RENAMED, SHEET 2 ADDED, MCCB ARRANGMENT REDESIGNED	A.T.	AUG'16	I.B.	B.C.
1	TRANSFORMER SIZING ADDED, NOTES UPDATED	A.T.	JUN'14	B.C.	B.C.



DES	B.C.	POWER STANDARD DRAWING		
DRN	A.T.	INDOOR SUBSTATION LV EQUIPMENT GENERAL ARRANGEMENT		
CKD	I.B.			
APPD	B.C.			
SCALE	N.T.S.			
ISSUED	AUG'16	A3	DRAWING NUMBER	S02-02-07-49
ALL DIM.	IN mm	DRAWING NUMBER		S02-02-07-49
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY		AMDT