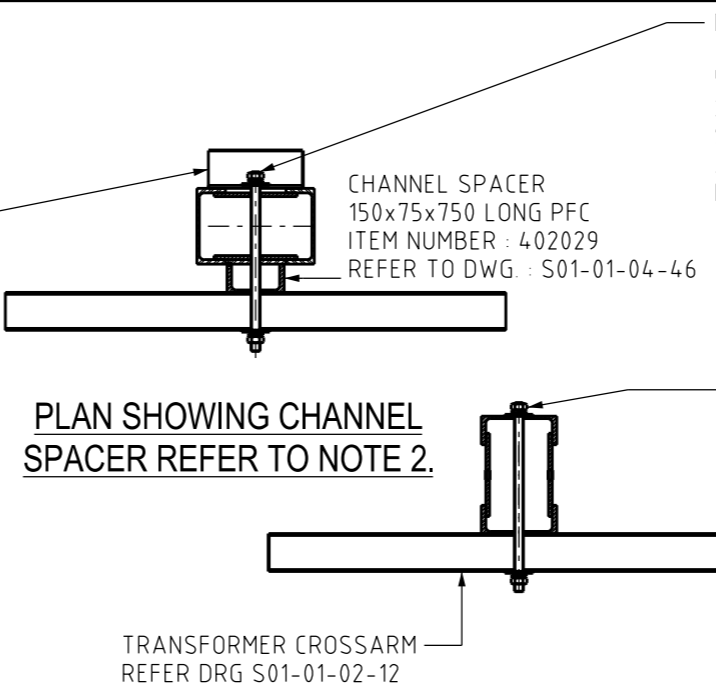
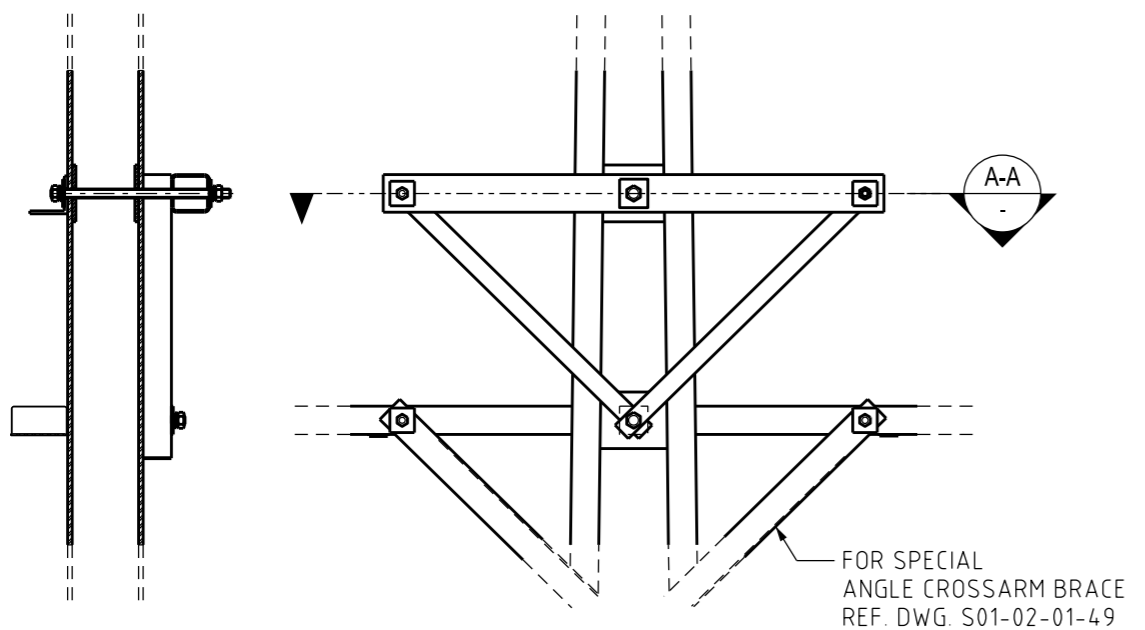
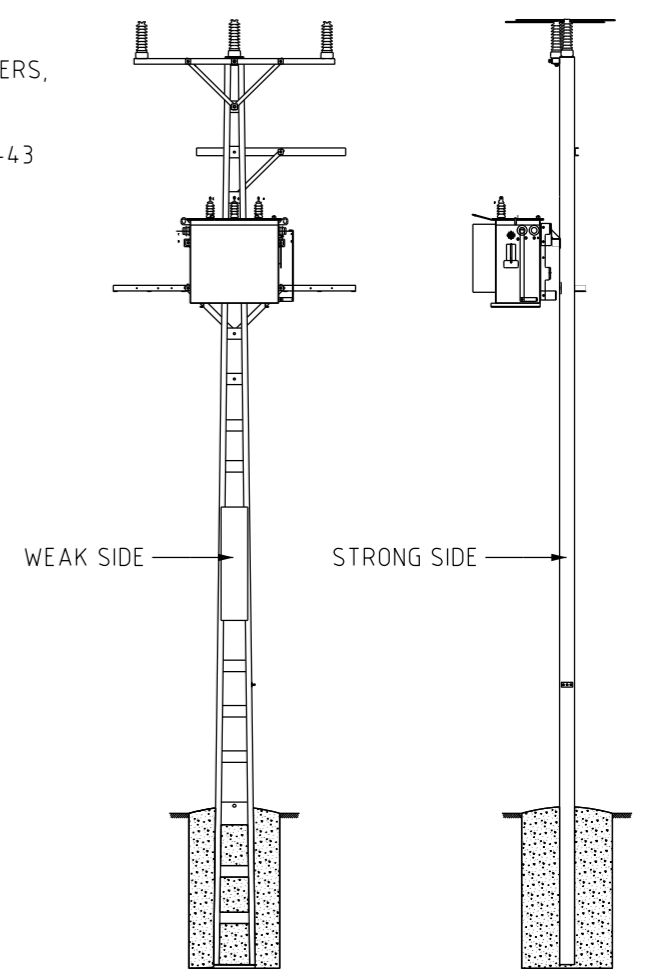


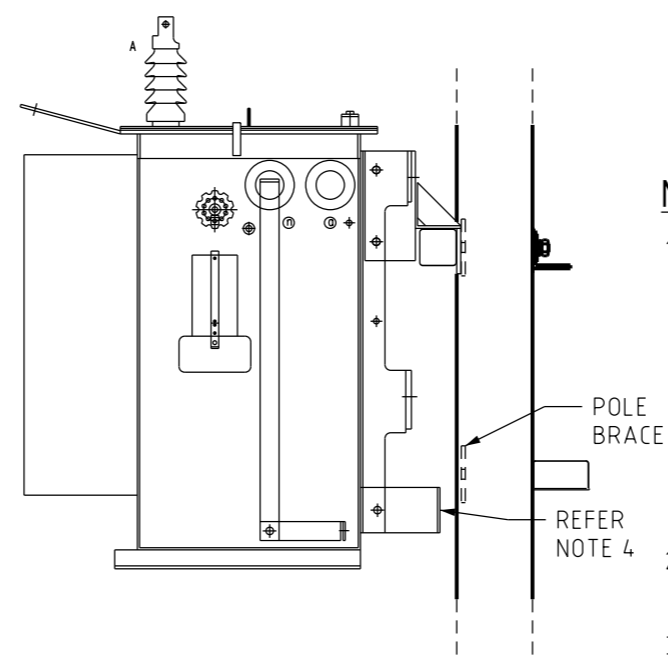
PLAN SECTION A-A
1:20



PLAN SECTION (TRANSFORMER ON STRONG OF POLE)



ELEVATION
REFER SUBSTATION POLE STRUCTURE DRG S01-02-05-24



RHS END ELEVATION SHOWING TRANSFORMER

SECTION B-B
1:20

NOTES:

1. A) TRANSFORMERS UP TO 200KVA CAN BE INSTALLED ON B, C OR D POLES ON THE WEAK OR STRONG SIDE.
- B) 315KVA TRANSFORMERS WEIGHING EQUAL OR GREATER THAN 1.7. TONNE ARE TO BE ERECTED ON C OR D TYPE POLES.
- C) FOR NON-INDUSTRIAL AREAS PREFERENCE IS FOR 500KVA TRANSFORMERS TO BE ERECTED ON D TYPE POLES IN THE STRONG DIRECTION, ALTERNATIVELY THE WEAK SIDE OF D TYPE POLES MAY BE PERMITTED IF THE CONDUCTOR SPANS ON BOTH SIDES OF TRANSFORMER POLES ARE EQUAL.
- D) FOR INDUSTRIAL AREAS ALL TRANSFORMER SHALL BE MOUNTED ON "D" TYPE POLE AND ON THE STRONG SIDE, REGARDLESS OF TRANSFORMER SIZE.
2. A CHANNEL SPACER MAY BE REQUIRED WHERE THE TRANSFORMER HANGING BRACKET DOES NOT FIT ON THE POLE. ONLY TRANSFORMERS UP TO 50KVA CAN BE USED IN THIS ARRANGEMENT.
3. IT IS INTENDED THAT THE TRANSFORMER REST AGAINST THE POLE OR POLE BRACE 600mm BELOW CROSSARM. SOME TRANSFORMERS MAY REQUIRE THE ADDITION OF AN EXTENDED PLATE TO PROVIDE THIS SUPPORT AGAINST THE POLE.
4. ANGLE BRACE TO BE USED FOR 500KVA TRANSFORMER.
5. ENSURE THAT ALL CLEARANCES ARE MAINTAINED AND THAT CONDUCTOR UPLIFT IS AVOIDED WHEN MIXING POLE HEIGHTS.
6. TRANSFORMER CROSSARM BRACE CAN BE MOUNTED EITHER UP OR DOWN DIRECTION.
7. NO STAY SHALL BE USED ON TRANSFORMER POLES.

NO	DESCRIPTION	DRN	DATE	CKD	APPD
10	UPDATED NOTE 1 & ADDED NOTE 7. ADDED REFERENCE TO S01-01-04-43 & STRONG/WEAK SIDE.	A.N.	JUL'21	A.N.	B.C.
9	NOTE "D" AND 6 ADDED	C.C.	DEC'20	B.V.	B.C.
8	TITLEBLOCK & DRAWING NUMBERS FORMATTED	K.T.	JAN'19	C.C.	C.C.
7	NOTES AMENDED	A.B.	JAN'17	I.B.	B.C.
6	NOTE 1A), 1B) AMENDED, NOTE 5) ADDED	A.T.	MAR'12	B.N.	S.C.
5	NOTE 1 C REMOVED ALTERNATIVE CMEN POSITION REMOVED	C.C.	NOV'11	A.T.	S.C.
4	POLE SIZE ON NOTE 1b CHANGED FROM 13 5C TO 13 5D	A.S.	SEP'04	R.C.	M.B.
3	NEW NOTES	A.S.	JAN'04	R.C.	M.B.
2	CMEN ADDED	A.S.	MAR'02	M.B.	F.R.R.



DES		POWER STANDARD DRAWING	
DES	M. BOCK	SUBSTATION SINGLE POLE, TYPICAL ARRANGEMENT FOR UNIVERSAL POLE CONSTRUCTION	
DRN	R. INNES	A3	DRAWING NUMBER S01-02-06-12
CKD	M. BOCK		
APPD	F. ROBSON	SCALE 1:20	
ISSUED DEC'00		DRAFTING STANDARD TO A.S.1100	
ALL DIM. IN mm		CAD PRODUCT - DO NOT AMEND MANUALLY	

