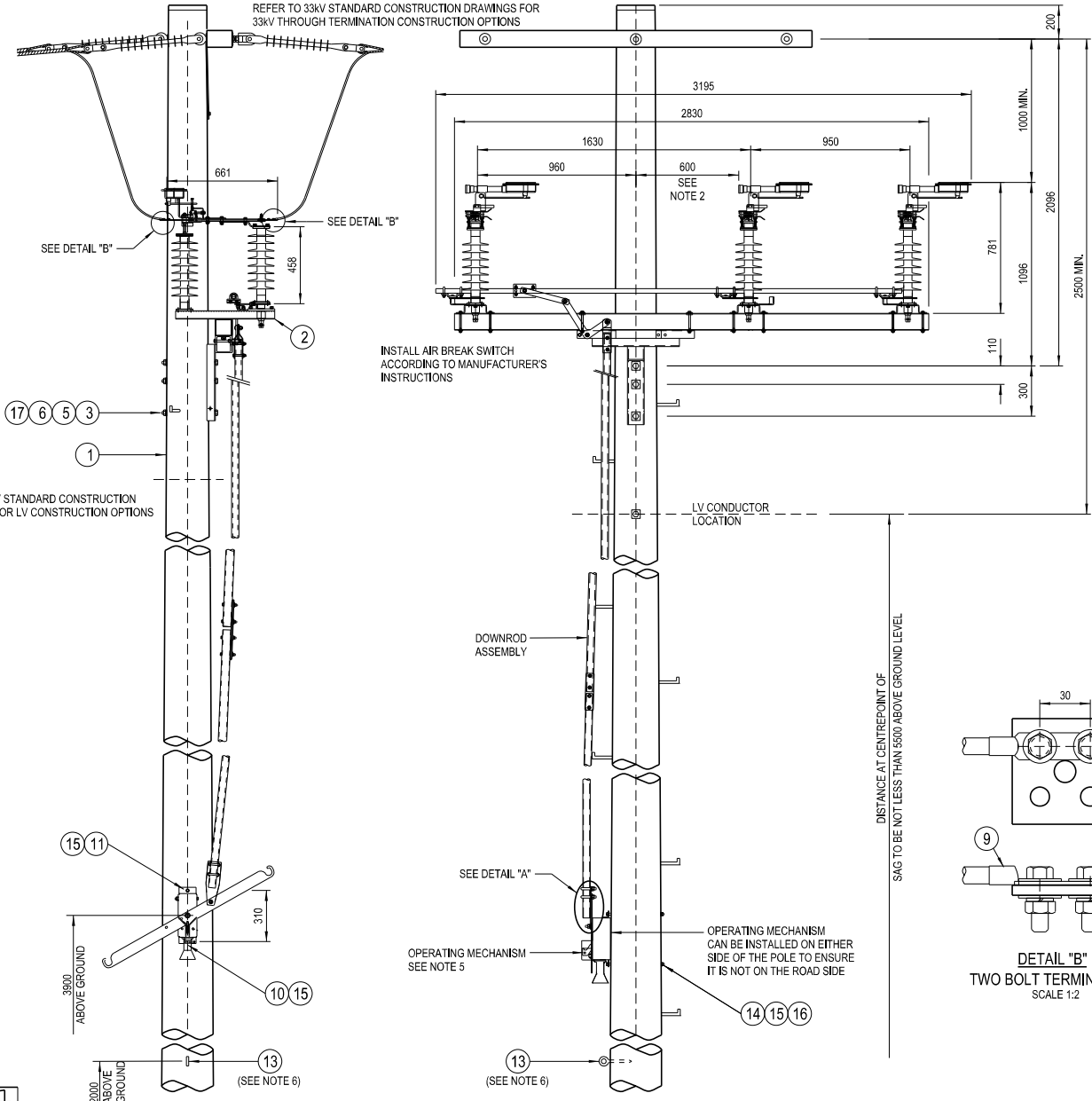
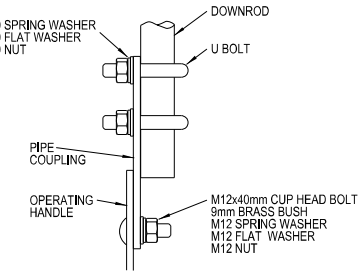
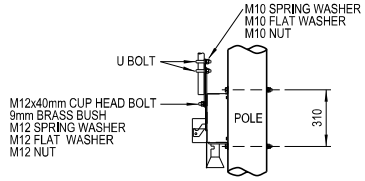
NOTE:
REFER TO 33kV STANDARD CONSTRUCTION DRAWINGS FOR 33kV THROUGH TERMINATION CONSTRUCTION OPTIONS

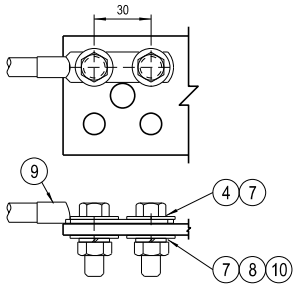


NOTE:
REFER TO LV STANDARD CONSTRUCTION DRAWINGS FOR LV CONSTRUCTION OPTIONS



DETAIL "A"
N.T.S.





DETAIL "B"
TWO BOLT TERMINATION
SCALE 1:2

NOTES :

1. A MINIMUM DISTANCE OF 2500 BETWEEN HIGH & LOW VOLTAGE CONDUCTORS IS TO BE MAINTAINED AT ALL TIMES TO ALLOW FOR LIVE LINE WORKING PROCEDURES.
2. THE DESIGNER IS TO DETERMINE THE POLE DIAMETER TO ENSURE ELECTRICAL CLEARANCES TO CENTRE PHASE SWITCHING MECHANISM CAN BE MAINTAINED. REFER TO DRG : 225814 FOR ALTERNATE ABS IF REQUIRED.
3. CLEARANCES :
   SOURCE - A.S.2067 (33kV)
   PHASE TO PHASE - 440mm
   PHASE TO EARTH - 380mm
4. INSTALL AIRBREAK SWITCH ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
5. OPERATING MECHANISM MUST BE INSTALLED ON THE FOOTPATH SIDE OF THE POLE. INSTALLATION ON THE ROAD SIDE OF THE POLE IS NOT ACCEPTABLE.
6. EYE COACH SCREW TO BE INSTALLED 2m ABOVE GROUND LEVEL ON FOOTPATH SIDE OF POLE FOR ATTACHMENT OF OPERATOR'S "DANGER DO NOT OPERATE" TAG.

DISCONNECTOR RATINGS			
VOLTAGE	U	36	kV
LIWV	UL	170/200	kV
NORMAL CURRENT	In	630/800	A
FREQUENCY	-	50	Hz
STWC	Ith	12.5	kA
DURATION OF STWC	+	3	s
CREEPAGE		1150	mm
RATED BREAKING CAPACITY		630/800	A
MASS		84	kg

ITEM	DESCRIPTION	DRAWING No.	STOCK CODE	QTY
17	WASHER - FLAT, M20, GALVANISED	518081	177986	3
16	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø14mm HOLE)			2
15	WASHER - FLAT, M12, GALVANISED	518081	177982	4
14	WASHER - CONICAL, M12, GALVANISED	518082	H39639	2
13	SCREW - COACH, EYE, M6, GALVANISED		PURCHASE	1
12	STEP - POLE		H17720	A/R
11	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		2
10	NUT - M10, HEX., STAINLESS STEEL	515467	H39401	12
9	LUG - COMPRESSION, 2xM10 HOLES (TO SUIT CONDUCTOR)	514053	-	6
8	WASHER - SPRING, M10, STAINLESS STEEL	518082	50120	12
7	WASHER - FLAT, M10, STAINLESS STEEL	518081	49411	24
6	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
5	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
4	SCREW - SET, M10x30mm, HEX., STAINLESS STEEL	515467	45088	12
3	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	-	3
2	DISCONNECTOR - 36kV, 800A, UNITISED, LOAD BREAK, MODULAR		TBA	1
	DISCONNECTOR - 36kV, 630A, UNITISED, LOAD BREAK, MODULAR		H27642	
1	POLE - AS REQUIRED		-	1

ALL DIMENSIONS IN MILLIMETRES, UNLESS NOTED OTHERWISE

CAD DRAWING DO NOT MANUALLY AMEND
AMENDMENTS

ASSOCIATED DRAWINGS	
STANDARD CONSTRUCTION 33kV 800A AEM ABS 4-455L	225814

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:20
DESIGNED	PHILLIP JONES
DRAWN	PATRICIA RIOS
CHECKED	PHILLIP JONES
APPROVED	GLENN FORD
DATE	07/05/18
PROJECT NUMBER	STD
PROJTRAK NUMBER	-

STANDARD CONSTRUCTION
33kV NGK STANGER
MID POLE OPERATED AIR BREAK SWITCH
FOR TIMBER, CONCRETE & STEEL POLES
GENERAL ARRANGEMENT 4-455

SIZE	DRAWING No	SHEET	AMD
A2	166707	02	0

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