



- NOTES:**
- A MINIMUM DISTANCE OF 2500 BETWEEN HIGH & LOW VOLTAGE CONDUCTORS IS TO BE MAINTAINED AT ALL TIMES TO ALLOW FOR LIVE LINE WORKING PROCEDURES.
 - CLEARANCES :
SOURCE - A.S.2067 (24kV)
PHASE TO PHASE - 325mm
PHASE TO EARTH - 270mm
 - INSTALL AIRBREAK SWITCH ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
 - OPERATING MECHANISM MUST BE INSTALLED ON THE FOOTPATH SIDE OF THE POLE. INSTALLATION ON THE ROAD SIDE OF THE POLE IS NOT ACCEPTABLE.
 - EYE COACH SCREW/BOLT TO BE INSTALLED 2m ABOVE GROUND LEVEL ON FOOTPATH SIDE OF POLE FOR ATTACHMENT OF OPERATOR'S "DANGER DO NOT OPERATE" TAG.
 - AIRBREAK SWITCH MAY BE SUPPLIED WITH ALTERNATIVE COMPONENTS RESULTING IN AN EXTRA 58mm OF HEIGHT. ENSURE MINIMUM 700mm OF SEPARATION IS MAINTAINED FROM THE CENTRE OF THE HV CROSSARM.
 - POLE STEPS ARE TO BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF NS128.
 - WHEN INSTALLING AN ABS ON A CONCRETE OR STEEL POLE, REPLACE THE SUPPLIED EYE COACH SCREW WITH AN M12 GALVANISED EYE BOLT. (ITEM 16)
 - REFER TO DESIGNER SAFETY REPORT D20/175855 FOR ATYPICAL HAZARDS ASSOCIATED WITH THIS STANDARD CONSTRUCTION.

DISCONNECTOR RATINGS			
VOLTAGE	U	24	kV
LIWV	UL	150	kVp
NORMAL CURRENT	In	630	A
FREQUENCY	-	50	Hz
STWC	Ith	12.5	kA
DURATION OF STWC	+	3	s
CREEPAGE		800	mm
MASS		80	kg

ITEM	DESCRIPTION	DRAWING No.	STOCK CODE	QTY
17	STEP - POLE (FOR USE ON COMPOSITE POLES) (SEE NOTE 7)	244223	184743	
	STEP - POLE (FOR USE ON CONCRETE & STEEL POLES) (SEE NOTE 7)	514084	H87809	A/R
	STEP - POLE, SCREW-IN (FOR USE ON TIMBER POLES) (SEE NOTE 7)	250144	185198	
16	BOLT - EYE, M12, GALVANISED (FOR USE ON CONCRETE & STEEL POLES) (SEE NOTE 8)		PURCHASE	1
15	WASHER - FLAT, M12, GALVANISED	518081	177982	4
14	WASHER - CONICAL, M12, GALVANISED	518082	H39639	2
13	WASHER - SQUARE, 50x50x6mm, GALVANISED (Ø14mm HOLE)			2
12	BOLT & NUT - M12, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466		2
11	LUG - COMPRESSION, 2xM10 HOLES (TO SUIT CONDUCTOR)	514053		6
10	NUT - M10, STAINLESS STEEL	515467	H39401	12
9	WASHER - SPRING, M10, STAINLESS STEEL	518082	50120	12
8	WASHER - FLAT, M10, STAINLESS STEEL	518081	49411	24
7	SCREW - SET, M10x30mm, STAINLESS STEEL	515467	45088	12
6	WASHER - FLAT, M20, GALVANISED	518081	177986	3
5	WASHER - CONICAL, M20, GALVANISED	518082	H39655	3
4	WASHER - SQUARE, 75x75x6mm, GALVANISED (Ø22mm HOLE)	518081	H39231	6
3	BOLT & NUT - M20, HEX., GALVANISED (LENGTH TO SUIT POLE)	515466	-	3
2	DISCONNECTOR - 12/24kV, LOAD BREAK, MODULAR		H95406	1
	DISCONNECTOR - 12/24kV, LOAD BREAK, UNITISED		66647	1
1	POLE - AS REQUIRED			1

CAD DRAWING
DO NOT MANUALLY AMEND
AMENDMENTS
DWN: PATRICIA RIOS
CHKD: PHILLIP JONES
DATE: 29/04/2020
OPTIONS FOR COMPOSITE POLES ADDED. NOTES & MATERIAL LIST AMENDED.
APPD by: GLENN FORD

12/24 AK POWER AIR BREAK SWITCH	175902 SH1
ASSOCIATED DRAWINGS	

NETWORK STANDARD
Ausgrid
145 NEWCASTLE RD WALLSEND, NSW 2287

SCALE	1:20	STANDARD CONSTRUCTION
DESIGNED	PHILLIP JONES	12/24kV NGK STANGER
DRAWN	PATRICIA RIOS	MID POLE OPERATED AIR BREAK SWITCH
CHECKED	PHILLIP JONES	FOR TIMBER, COMPOSITE, CONCRETE & STEEL POLES
APPROVED	GLENN FORD	GENERAL ARRANGEMENT 2-455
DATE	16/03/18	
PROJECT NUMBER	NET STD	
PROJ/TRAK NUMBER	-	
SIZE	A2	DRAWING No. 175902
SHEET	02	AMD 1