

Copyright of Northern Powergrid Holding Company. No part of this drawing to be reproduced without prior permission.

9	10	I		11		12	
3	10					12	
							A
S		ENT]		
NO REQD DESCRIPTION				MARKS			
	PORTING SEALING EN	DS			1		
2 66kV DISCONNE	66kV DISCONNECTOR - NO EARTH BLADES		н	GH BAR			B
	66kV CIRCUIT BREAKER		-		-		
	CTOR - EARTH BLADE CTOR - NO EARTH B			DW BAR	-		
9 VOLTAGE TRANS			-				L
9 POST INSULATO	POST INSULATORS		н	GH/LOW BAR			
		-	ONDUIT				
ALL SWITCHGEAR OUTLINES ARE	TYPICAL ONLY.	E		HING. ICORE CABLE	S.		c
ALL SETTING OUT DIMENSIONS WHEN SPECIFIC SWITCHGEAR DE		E. P	66kV	POWER CAB	LES.		
LOCATION MARKS SHOWN THUS			-	E/HEATING &	LIGHTING. ORMER CABLE	• •	
	-			CONDUITS			
MAIN MECHANISM BOX SHOWN T					STRAIGHT		⊢
EARTH BLADE MECHANISM BOX		_			TREFOIL GRO	UP	
DENOTES FIXED CONNECTION	©						
DENOTES SLIDING CONNECTION	S O	2			150mm BORE SS OTHERWISI		
STANDARD STRUCTURE REFEREI	NCE No. (S1) 1	-		JITS TO BE S	SUITABLY SEA	LED OFF	D
REFER TO STANDARD 66kV ST C1072723 SHEET 1 & C107272							
FLOODLIGHTS MOUNTED ON 3m							
				OUT DETA			
				OUT DETAILS	OUT ON SITE.	•	
CLEARANCES		6	SE	TTING OUT I	_INE X - X TC) BE ESTABLISH	HED
NOMINAL SYSTEM VOLTAGE	661	kV		ONG CIRCUIT	CENTRELINE		
STANDARD BUSBAR CENTRES 1675mm PHASE TO EARTH 700mm		0mm (*	SETTING OUT LINE Y - Y TO BE ESTABLISHED ALONG CIRCUIT CENTRELINE				
PHASE TO PHASE SAFETY CLEARANCE (TO LIVE		0mm ``)0mm					
NSULATION HEIGHT (PEDESTRIA		00mm					
HORIZONTAL DESIGN CLEARANCE ALLOWING FOR HYDRAULIC PLA	TFORM 75	00mm					L
ALLOWING FOR PORTABLE ACCESS EQUIPMENT 3500mm ALLOWANCE FOR NO ACCESS EQUIPMENT 3250mm							
DELINEATED BARRIER CLEARANC	E 25	00mm					
BUSBAR TYPE		TINUOUS RENT RATING		PORTED	APPROXIMATE	:	F
HARD DRAWN BARE COPPER (ALUMINIUM (AI)	HDBC) (Amp		SPAN		METRE (kg)		
NEW INSTALLATIONS	I						
Al. 90mm Dio, 6mm WALL TH				or 6000*	4.320		
Al. 60mm Dia, 4mm WALL TH				or 3500*	1.950		L
*RESTRICTION DUE TO END FI	(ING TYPE (SEE TABL	E 5.1 of ENATS	5 41-11)				
							G
SCH	EDULE OF DRAWINGS	TO C969471					
			Court. 7	8 Grev Stree	et. Newcastle	Upon Tyne, I	NE1 6AE
	POWERGR		STANDARD	66kV CUST	OMER CONNEC	-	
Sheel					OUT SHOWING RING SUBSTATI	ION	H
	1:100	Document Det	F	OR LOOP IN	CONNECTION		C.A.D
Modif	G COLES led Grid Reference	e Drowing No. INTER Revision			Historic Drowin	a No.	
Creat				C102629		<u>ÝŐ17S2116</u>	·
17	7.08.2013 S WILKIN	ISON A	STRUCT	URES REVISE	U		I

9	1(11		12	
5				П		12]
							A
							L
					1		
	SCHEDULE OF E	QUIPMENT					
NO REQD	DESCRIPTION			REMARKS			
9 2		66kV SELF SUPPORTING SEALING ENDS		LOW BAR			В
2	66kV DISCONNECTOR - NO EARTH BLADES 66kV CIRCUIT BREAKER			-			
3	66kV DISCONNECTOR - EARTH BLADES (LHS)			LOW BAR			
1 9	66kV DISCONNECTOR - NO EA VOLTAGE TRANSFORMERS	KIH BLAUES		LOW BAR	•		
9	POST INSULATORS			HIGH/LOW BAR]		
NOTE							
	AR OUTLINES ARE TYPICAL ONL			ARTHING. ULTICORE CABLE	S.		c
	OUT DIMENSIONS SHOULD BE VE SWITCHGEAR DETAILS ARE AV			5kV POWER CAB PARE∕HEATING &			
LOCATION MAR	KS SHOWN THUS 🛇			JXILIARY TRANSF			
MAIN MECHANIS	M BOX SHOWN THUS D		KEY 1	O CONDUITS			
EARTH BLADE	MECHANISM BOX SHOWN THUS	0			STRAIGHT		dash
DENOTES FIXE		¢	D ====		TREFOIL GROUP		
DENOTES SLIDI	NG CONNECTION	S			50mm BORE LAID A SS OTHERWISE STA		
STANDARD STR	RUCTURE REFERENCE No.	S1 TO S19	ALL CO	NDUITS TO BE	SUITABLY SEALED OF		D
	ANDARD 66kV STRUCTURE SCH		AFTER	LAYING OF CABL	ES.		
FLOODLIGHTS I	MOUNTED ON 3m POLE	- b)	05 T T 1				
				NG OUT DETAI GOUT DETAILS			
				ENTLY MARKED			
CLEARANCES			\otimes		INE X - X TO BE E	STABLISHED	
NOMINAL SYSTI STANDARD BUS		66kV 1675mm	ALONG CIRCUIT CENTRELINE				lε
PHASE TO EARTH700mmPHASE TO PHASE780mm			ALONG CIRCUIT CENTRELINE				
	ANCE (TO LIVE METAL)	3100mm 2400mm					
		66kV 7500mm					
ALLOWING FOR PORTABLE ACCESS EQUIPMENT 3500mm					┢		
	ARRIER CLEARANCE	3250mm 2500mm					
BUSBAR TYP	E		MAX]	F
HARD DRAWN ALUMINIUM (A	BARE COPPER (HDBC)	CURRENT RATING (Amp)		SUPPORTED N (mm)	WEIGHT PER METRE (kg)		ſ
NEW INSTALL		I					
	a, 6mm WALL THICKNESS	2000A 1200A		00 or 6000* 0 or 3500*	4.320 1.950		
	DUE TO END FIXING TYPE (SEE					1	┝
							G
							\vdash
	SCHEDULE OF DRA	WINGS TO C969471					
				t, 78 Grey Stree	et, Newcastle Upor	Tyne, NE1 6AF	1
	Monufacturer Details	RID	STAND	ARD 66kV CUST	OMER CONNECTIONS	ISO A1	1
	Sheet No. Scale				RING SUBSTATION		Ин I
	Prepared By G COLES	1:100 Document		FOR LOOP IN C			4
	Modified Grid 26.06.2017	Reference Drowing No INTE		C102629	Historic Drawing No.	S2116	1
	Crealed Check			JCTURES REVISE	•		\mathbb{L}

