

EQUIPMENT SCHEDULE				
ID	DESCRIPTION	MANUFACTURER	DRAWING No.	QTY
01	33/11kV 20/40MVA TRANSFORMER	WINDER POWER & DISTRIBUTION	TX/A1/4309135 REV. D	2
02	NER	CRESSALL	112501 REV.B	2
04	33KV ISOLATOR w/ EARTH SWITCH – 3 PHASE	MORRIS LINE ISOLATOR	MP/00/2475 REV.0	2
05	33kV SURGE ARRESTER	TYCO ELECTRONICS	SSEN STOCK CODE 217473	6
06	33kV OUTDOOR TYPE CABLE TERMINATION	TYCO ELECTRONICS	SSEN STOCK CODE 990182	6
07	HV EARTHING LINK BOX	TE CONNECTIVITY	SSEN STOCK CODE 990189	2

IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED STRUCTURES ON THIS DRAWING, THE FOLLOWING SIGNIFICANT RISK INFORMATION SHOULD BE TAKEN INTO ACCOUNT WHEN PLANNING AND CARRYING OUT CONSTRUCTION, MAINTENANCE AND DEMOLITION

BURIED SERVICES: SERVICES INFORMATION TO BE OBTAINED AND REVIEWED. EXISTING SERVICES TO BE LOCATED BY CAT

FETY,	HEALTH	AND	ENVIRONMENTAL	INFORMATION	
•					

	15		16)		
NOT	ES:					
1)	ALL DIMENS	IONS IN mm UNL	ESS OTHERWISE CONF	IRMED.		
2)	ACCORDANC	E WITH SSEN P AUSES – DESIGN	TRICAL CLEARANCES T RIMARY DISTRIBUTION N AND INSTALLATION S	SUBSTATIO		No.
SUB?	STATION	MINIMUM E		RANCES	5	
REQUIREMENTS TO BE IN ACCORDANCE WITH SSEN PRIMARY DISTRIBUTION SUBSTATION: COMMON CLAUSES - DESIGN AND INSTALLATION STANDARD DOC No. PR-NET-SST-005						
				VOL	TAGE	
REF		CLEARANCI	E (mm)	33kV	11	kV
E	PHASE TO E	ARTH		500	5	00
Ph	PHASE TO F	PHASE		430	2	50
S	DESIGN CLE	ARANCE FOR SA	FETY	2900	29	00
SD	SAFETY DIS			800		00
Ds Dsh				2900		00
IH			ANCE (HORIZONTAL)	2300 2400		-
3)	FOR TOPOGE	RAPHICAL SURV	EY AND PAS 128:2022 NG ROWNCAB-FREPP-S	UTILITY S	URVEN	(
LEGI		ED 05-01-23.				
		NEW EQUIPMEN	NT			
		CABLE CONTA	INMENT			
-0		2.4m PALISAD	E FENCE			
-0		2.4m PALISAD	E FENCE – REMOVABLE	-		
		33kV CABLE				
		11kV CABLE				
		LINKBOX BONE				
		EXISTING/SUR				
٨RF	BREVIATI					
	CAE	BLE SEALING E CONNECTOR /				
CSE DISC	DIS		DECICTOD			
DISC NER	NEU	TRAL EARTH				
DISC NER PI TX	NEU POS TRA	T INSULATOR				
DISC NER PI	NEU POS TRA PRO	T INSULATOR	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L	NEU POS TRA PRO	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L SA	NEL POS TRA PRO SUF	ST INSULATOR ANSFORMER OPOSED LIGHTI RGE ARRESTER	NG POSITION			
DISC NER PI TX L SA	NEL POS TRA PRO SUF	T INSULATOR ANSFORMER POSED LIGHTI	NG POSITION			
DISC NER PI TX L SA ALTE	NEL POS TRA PRO SUF	D DRAWING	NG POSITION			
DISC NER PI TX L SA ALTE	NEL POS TRA PRO SUF	DRAWINC	NG POSITION			
DISC NER PI TX L SA ALTE NRWN ALTE	NEL POS TRA PRO SUF	D DRAWING	NG POSITION			
DISC NER PI TX L SA ALTE NRWN ALTE NRWN	NEL POS TRA PRO SUF	D DRAWINC D DRAWINC D DRAWINC JBSTATION LA -SL-XX-DR-E	NG POSITION	H.M.	L.V	V.S
DISC NER PI TX L SA ALTE NRWN ALTE NRWN	SOCIATEC RNATIVE SUP RNATIVE SUP RNATIVE SUP RNATIVE SUP RNATIVE SUP RNATIVE SUP RNATIVE SUP	D DRAWINC JBSTATION LA -SL-XX-DR-E- FI	NG POSITION 3 3 YOUT -0011 M LAYOUT -0016	H.M. DRN	V.J. CHK	V.S APF
DISC NER PI TX L SA ALTE NRWN ALTE NRWN 01 REV STATUS	SOCIATEC SUF	D DRAWING JBSTATION LA -SL-XX-DR-E- JBSTATION CD -SL-XX-DR-E- JBSTATION CD -SL-XX-DR-E- JBSTATION CD	NG POSITION	DRN SIZE		
DISC NER PI TX L SA ALTE NRWN ALTE NRWN 01 REV STATUS	SOCIATEC SUF	D DRAWING JBSTATION LA -SL-XX-DR-E- JBSTATION CD -SL-XX-DR-E- JBSTATION CD -SL-XX-DR-E- JBSTATION CD	NG POSITION	DRN		

3/24	FIRST ISSUE			V.J.	V.S.		
TE	DESCRIPTION			СНК	APP		
		SCALE	SIZE				
FOR GATE 3 APPROVAL 1:100 A1							
CONTRACTOR							
	re E 3	TE J APPROVAL	TE B APPROVAL SCALE 1:100	TE DESCRIPTION DRN SCALE SIZE A1	TE DESCRIPTION DRN CHK SCALE SIZE TE 3 APPROVAL 1:100 A1		

ΓΙΕΕΟΟΙΙΙ an NG Bailey Group company Do not scale from this drawing. All dimensions given in millimetres unless otherwise stated COPYRIGHT – Owned by Freedom Electrical Design, Freedom Group, Unit 11, Charles Industrial Estate, Stowupland Road, Stowmarket, Suffolk, IP14 5AH Tel: 0845 168 6040 www.freedom-group.co.uk

This drawing may not be used or copied without written consent. CLIENT

> Scottish & Southern Electricity Networks

SHEPD – SCOTTISH HYDRO ELECTRIC POWER DISTRIBUTION DRAWING TITLE

ALTERNATIVE SUBSTATION ELECTRICAL
ELEVATION LAYOUT

N/A	01			
FREEDOM DRAWING NUMBER	REVISION			
NRWNPRI-FREPP-SL-XX-DR-E-0012	01 OF 01			
SSEN DRAWING NUMBER	SHEET			
NEW ROWNHAMS 33/11kV SUBSTATION				
SITE NAME				
GREEN RECOVERY – LOT 1 – SEPD ROWNHAMS NEW MSA TRANSFORMER & BOARD ARRANGEMENT				
PROJECT NAME				