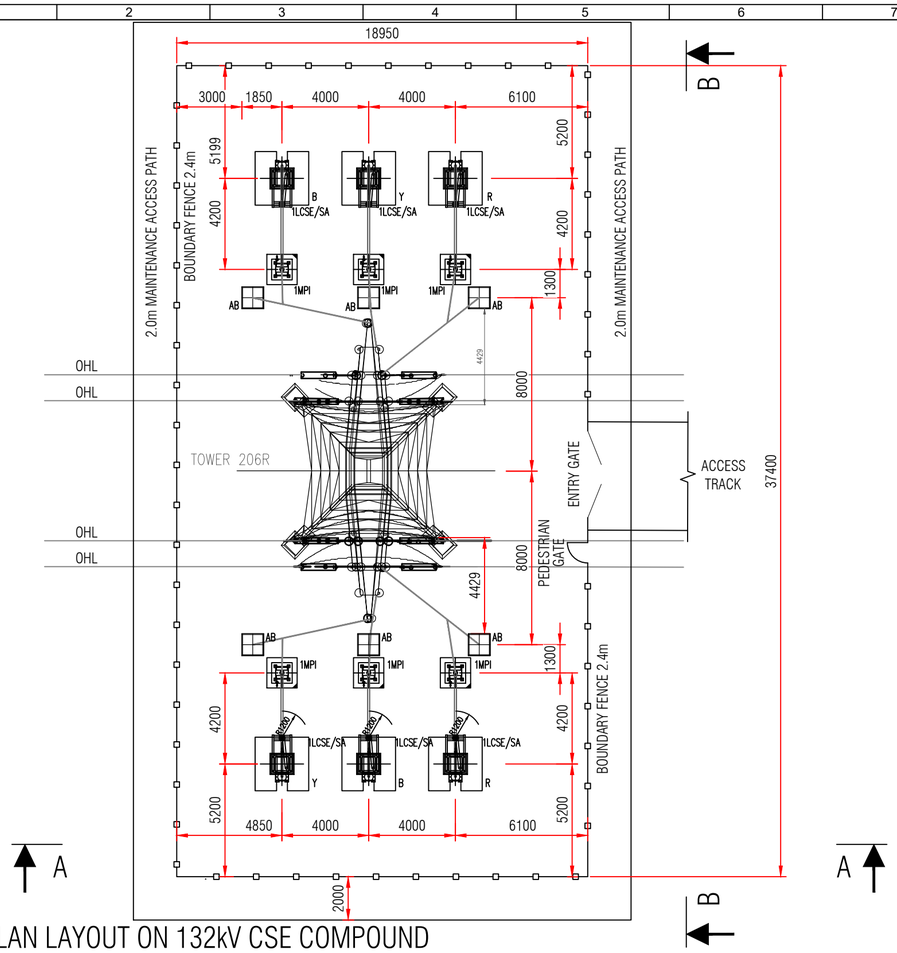
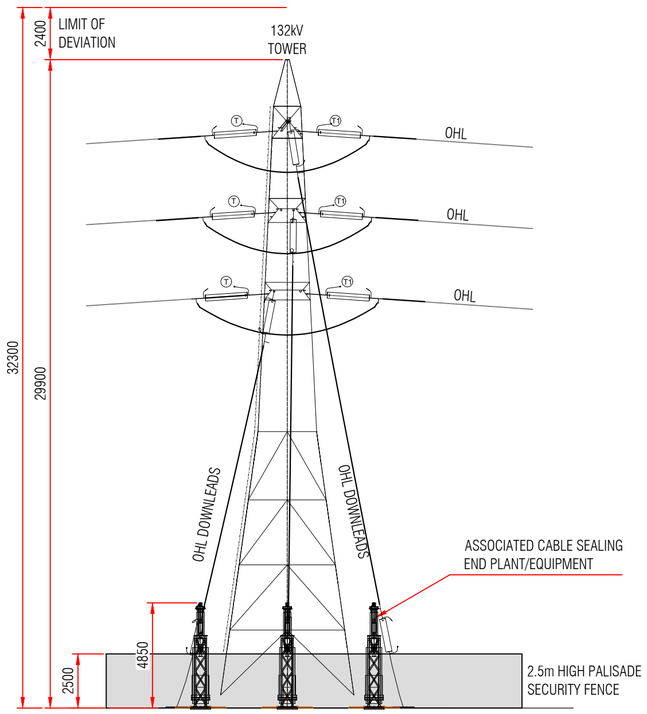


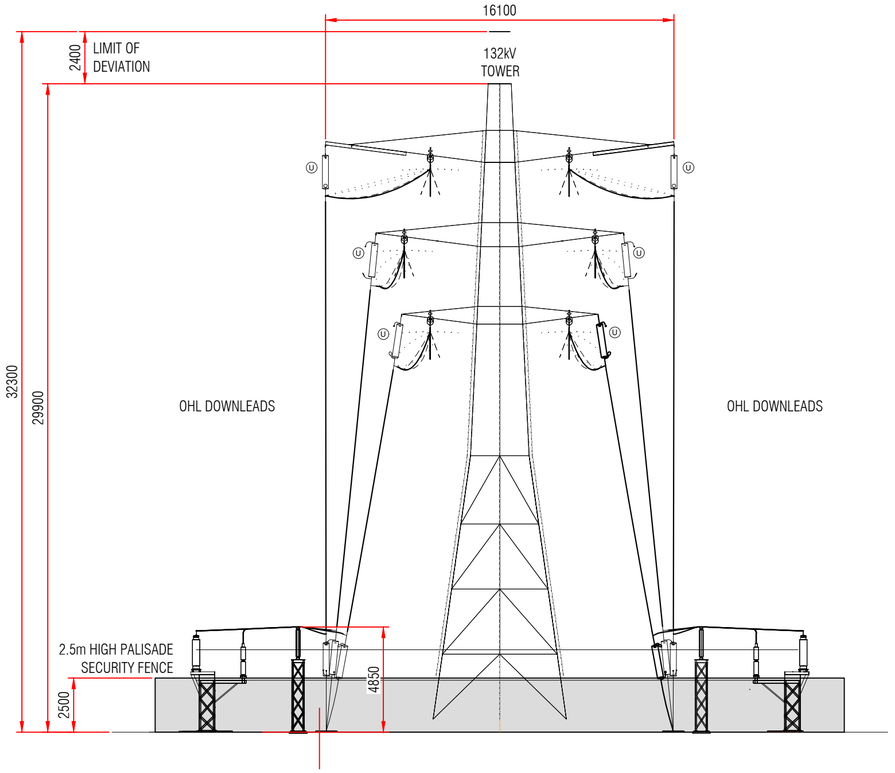
PLAN LAYOUT ON 132kV CSE COMPOUND

SCALE 1:200



ELEVATION A-A

SCALE 1:200



ELEVATION B-B

SCALE 1:200

SUBSTATION MINIMUM ELECTRICAL CLEARANCES

REQUIREMENTS TO BE IN ACCORDANCE WITH SSE SUBSTATION DESIGN SPECIFICATION DOC No. SP-PS-399

REF	CLEARANCE (mm)	132kV
E	PHASE TO EARTH	1200
Ph	PHASE TO PHASE	1400
S	DESIGN CLEARANCE FOR SAFETY	3500
SD	SAFETY DISTANCE	1400
Ds	WORKING & ACCESS CLEARANCE (VERTICAL)	3500
Dsh	WORKING & ACCESS CLEARANCE (HORIZONTAL)	2900
IH	INSULATION HEIGHT (PEDESTRIAN ACCESS)	2400

SCALE AT 1:200

0m 5m 10m 15m 20m

NOTES:-

1. ALL DIMENSIONS GIVEN IN MILLIMETRES (mm) U.N.O.
2. 132kV TERMINAL TOWER IS SHOWN AS L4 (M) DT E3.
3. EQUIPMENT SHOWN WITHIN CSE COMPOUND INCLUDES ANCHOR BLOCKS, POST INSULATORS, SURGE ARRESTORS AND CABLE SEALING ENDS. EQUIPMENT IS INDICATIVE AT THIS STAGE AND MAY BE SUBJECT TO CHANGE AT DETAIL DESIGN STAGE.
4. ENTRY GATE POSITION MAY ALTER DEPENDING ON BEST DESIGN TO CORRELATE WITH PROPOSED TEMPORARY ACCESS TRACK.
5. CSE COMPOUND PLATFORM LEVEL SET AT 8.3M AOD.
6. FILL BELOW CSE COMPOUND TO ACHIEVE 8.3M AOD OMITTED UNTIL DETAIL DESIGN STAGE. ANTICIPATED FILL OF 1.5M REQUIRED.
7. THE TOWER TYPE SHOWN IS L4 (M) DT E3. THE SETTING LEVEL IS +600MM WITH OVERALL TOWER HEIGHT OF 29.9M. IF THE TOWER POSITION MOVES WITHIN THE L.O.D THEN THE TOWER TYPE MAY CHANGE TO L4 (M) DT E6 WITH OVERALL TOWER HEIGHT OF 32.3M.

PRELIMINARY DESIGN ONLY
NOT FOR CONSTRUCTION

FOR PLANNING

Scottish & Southern Electricity Networks

DRAWING STATUS :
FOR S37 APPLICATION

SSEN CONTRACT NUMBER		LT197
SSEN MDR NUMBER		0011-SFEE-GA-1109-1-001-01
SSEN REVISION	DATE	HISTORY
01	13/07/20	FIRST ISSUE
02	08/09/20	UPDATED TO NEW ODSE SETUP

ISSUE	P02	REMARKS:	UPDATED TO SHOW NEW ODSE SETUP
DRAWN	PH	DATE	08.09.2020
CHKD 1	GM		
CHKD 2	DS		
APPD	JC		
ISSUE	P01	REMARKS:	FIRST ISSUE
DRAWN		DATE	
CHKD 1			
CHKD 2			
APPD			

CIRCUIT:
SA1 / SA2

Scottish & Southern Electricity Networks

TITLE :
SECTION 37 - ST FERGUS 132/11kV SUBSTATION PROPOSED TERMINAL TOWER AND CABLE SEALING END COMPOUND - GA AND ELEVATIONS

DRAWN	PH	DATE	09/07/2020	ACAD
CHKD 1	DS	DESIGN	-	A2
CHKD 2	-	APPD	JC	

PROJECT:
ST FERGUS EAST 132kV/11kV S/S

JOB NUMBER :
ULAH5321

Balfour Beatty

SCALE : As Shown
SHEET : 1 OF 1

BIM CODE:
5C6I3M-PTD-ZZZZ-ZZ-CM-EDO-ZZZZ-049380

ISSUE: P02
STATUS: S3