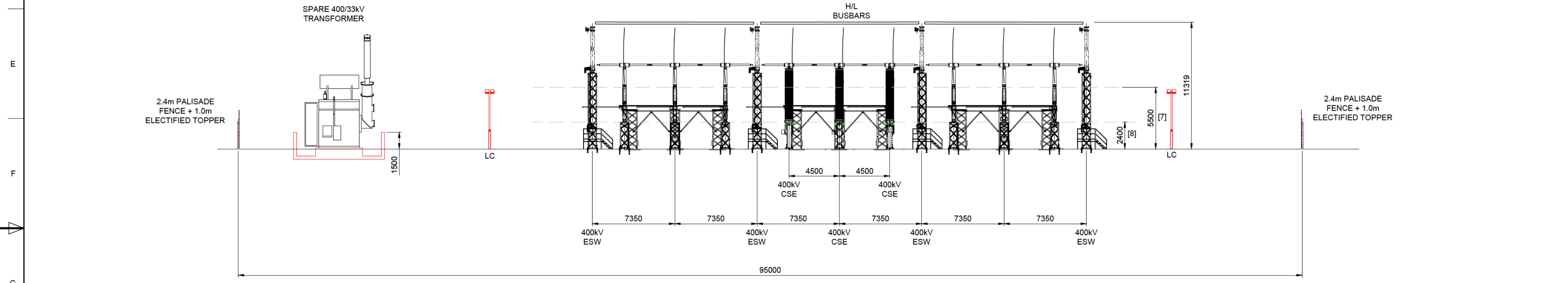
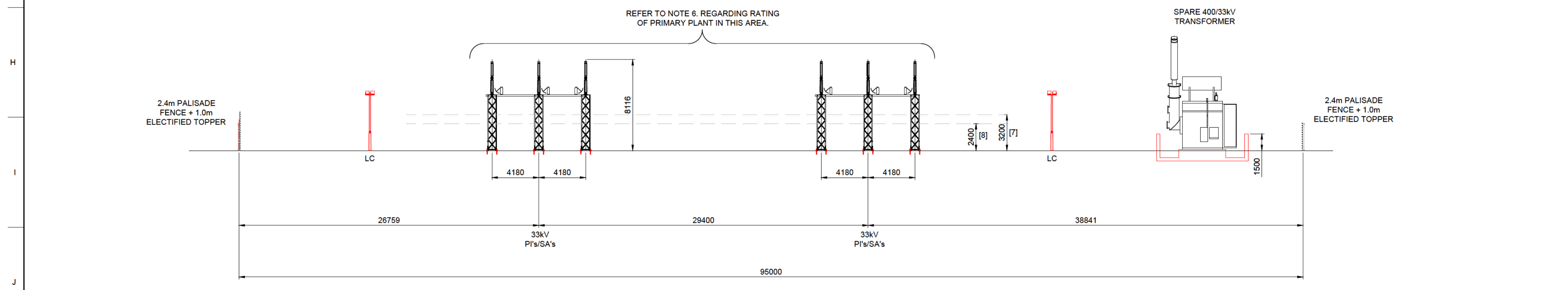


SECTION 'A'-A



SECTION 'B'-B



SECTION 'C'-C

CLEARANCES FOR BUSBARS AND CONNECTIONS SP-NET-SST-501 SUBSTATION DESIGN SPECIFICATION

	NOMINAL SYSTEM VOLTAGE	400kV	33kV
1	MINIMUM CLEARANCE BETWEEN LIVE METAL AND EARTH [E]	2800mm	500mm
2	MINIMUM CLEARANCE BETWEEN LIVE METAL OF DIFFERENT PHASES [P]	3600mm	430mm
3	SAFETY DISTANCE	3100mm	800mm
4	MINIMUM TOTAL AIR GAP BETWEEN TERMINALS OF THE SAME POLE OF ISOLATORS	2400mm	430mm
5	WORKING AND ACCESS CLEARANCE (VERTICAL)	5200mm	2900mm
6	WORKING AND ACCESS CLEARANCE (HORIZONTAL)	4600mm	2300mm
7	MINIMUM SAFETY CLEARANCE BETWEEN LIVE METAL AND POSITIONS TO WHICH ACCESS IS PERMISSIBLE WITH OTHER EQUIPMENT ALIVE [SC]	5500mm	2900mm
8	MINIMUM INSULATION HEIGHT (PEDESTRIAN ACCESS)	2400mm	2400mm

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND SPECIALISTS DRAWINGS & SPECIFICATIONS.
- ANY DISCREPANCIES BETWEEN THIS DRAWING AND ANY OTHER TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL WORKS TO COMPLY WITH THE MOST CURRENT BRITISH STANDARDS.
- ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE. NO DIMENSIONS ARE TO BE SCALED OFF THE DRAWING. USE FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS TO BE ±3mm UNLESS SPECIFIED OTHERWISE.
- 360kV CIRCUIT BREAKER AND 275kV DISCONNECTORS SPECIFIED DUE TO HIGH FAULT CURRENT RATING

02	FLOOD LEVEL MITIGATION ADDED			
	JV	JA	JA	12.10.22
01	FIRST ISSUE			
	JW	JA	JA	02.09.22
REV	DESCRIPTION			
	DESIGNED	CHECKED	APPROVED	DATE

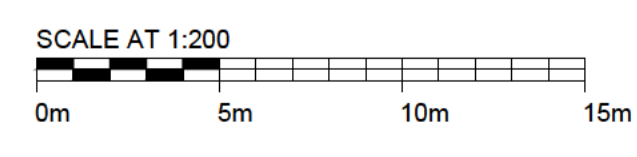
ethical power
Connections Ltd.
3110 GREAT WESTERN COURT,
STOKE GIFFORD, BRISTOL,
BS34 8HP
(0) 01726 218618

Project: HECKINGTON FEN ENERGY PARK
DCO DOC REF 6.2.4

Title: FIGURE 4.20: PROPOSED SITE ELEVATIONS OF SUBSTATION

Drawing Status: PRELIMINARY

Grid Ref (6 fig): OS GRID
Site address: SITE ADDRESS



DWG No:	EPC-0614-C-E-LA-ELV	SCALE (A1):	1:200	REV:	02
---------	---------------------	-------------	-------	------	----