



Lime Down

Solar Park

Environmental Statement

Volume 3, Appendix 3-3: Illustrative Drawings

September 2025

Revision 1

Planning Inspectorate Reference: EN010168

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APFP Regulation 5(2)(a)



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Appendix 3-3: Illustrative Drawings

1.1 Illustrative Substation Compound Layouts

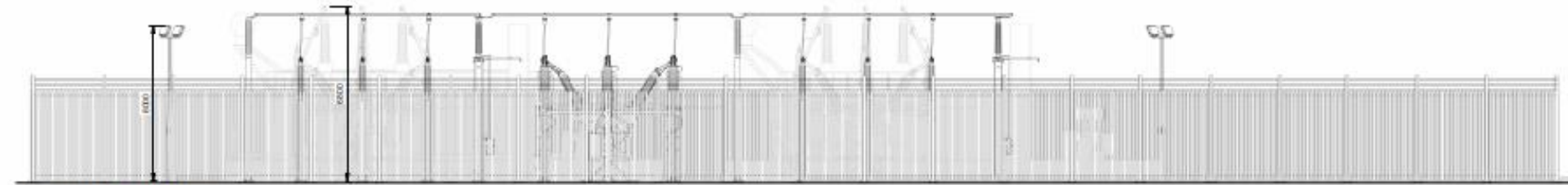
132 kV Substation



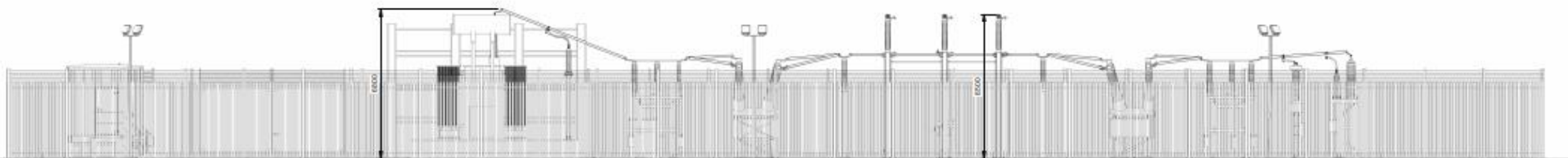
1.2 Illustrative Substation Side Elevations

132 kV Substation

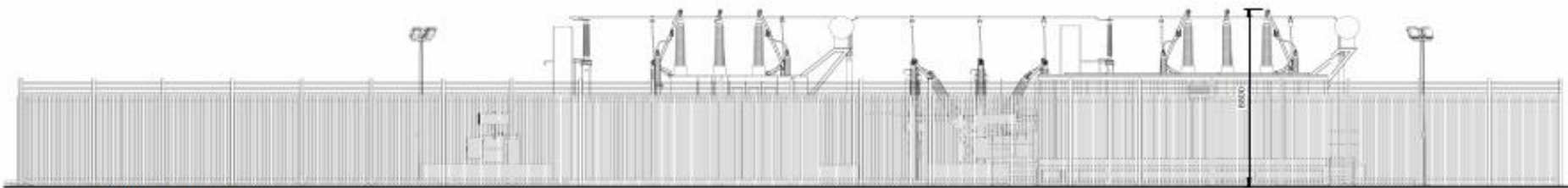




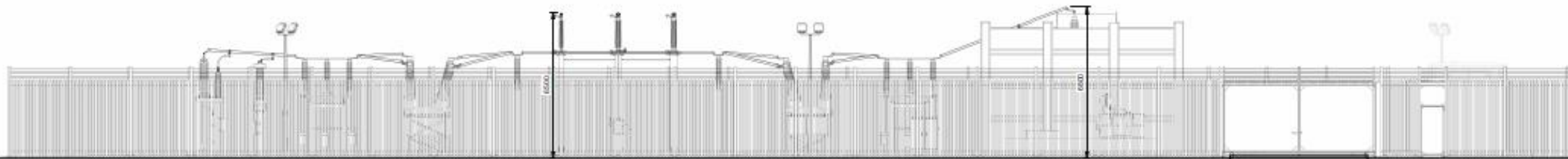
1 North Elevation
1 : 100



2 East Elevation
1 : 100



3 South Elevation
1 : 100



4 West Elevation
1 : 100

ISSUE	PI		
DRAWN	JS		
CHECKED	MG		FIRST ISSUE
APPROVED	JA	DATE	01/04/05



PRELIMINARY

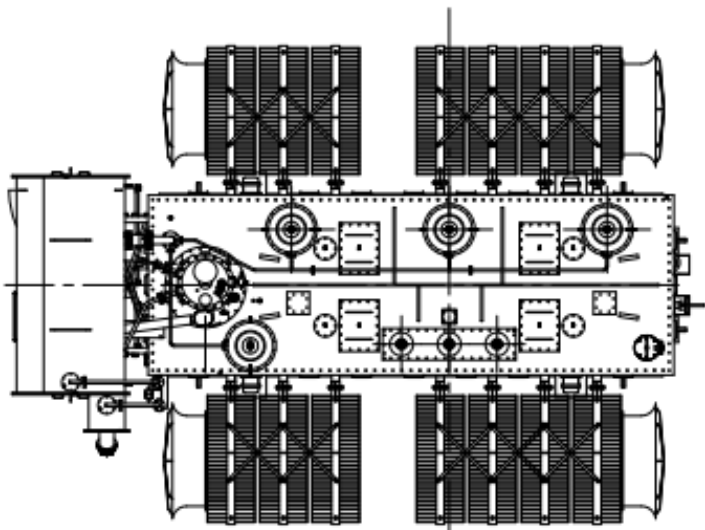
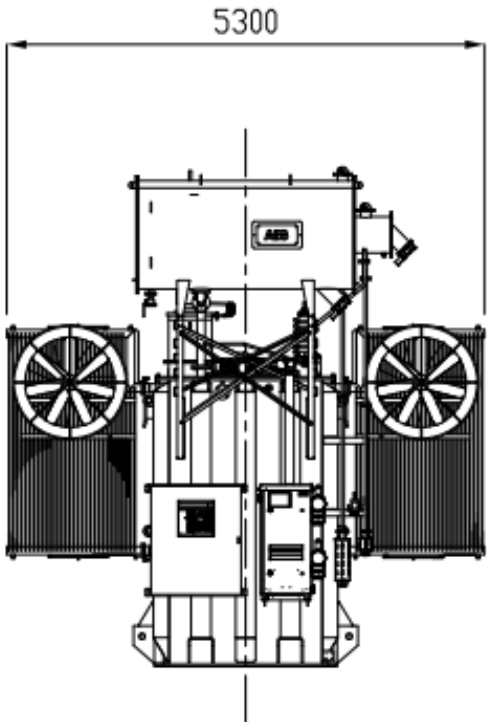
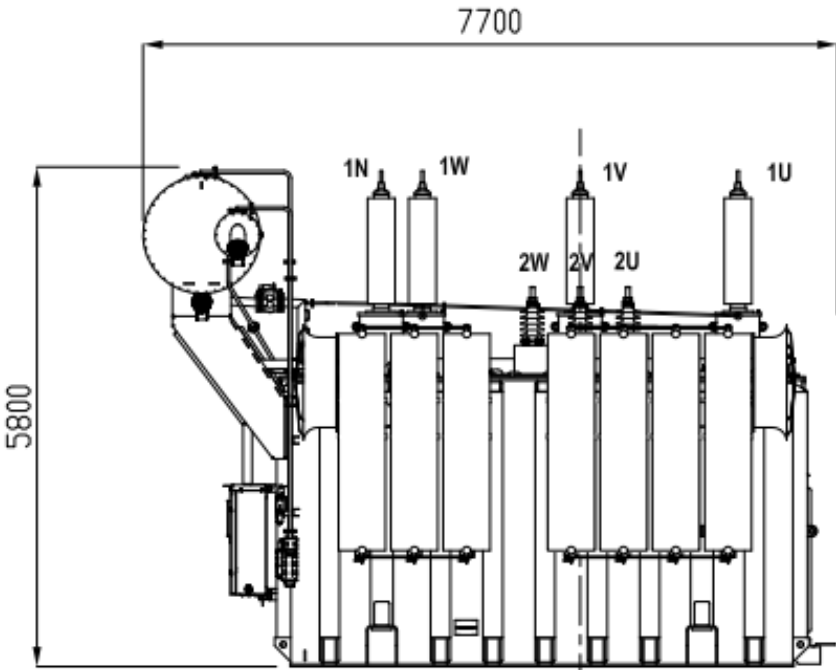
OMNIAProjects			
ISLAND GREEN POWER DUAL 132/33kV TRANSFORMER ELEVATIONS			
Lime Down Solar Farm			A1
PRD1492-LAY-006			CAD
1 : 100	2	2	P1

400 kV Substation




1.3 Illustrative Transformer Dimensions

132 kV Transformer

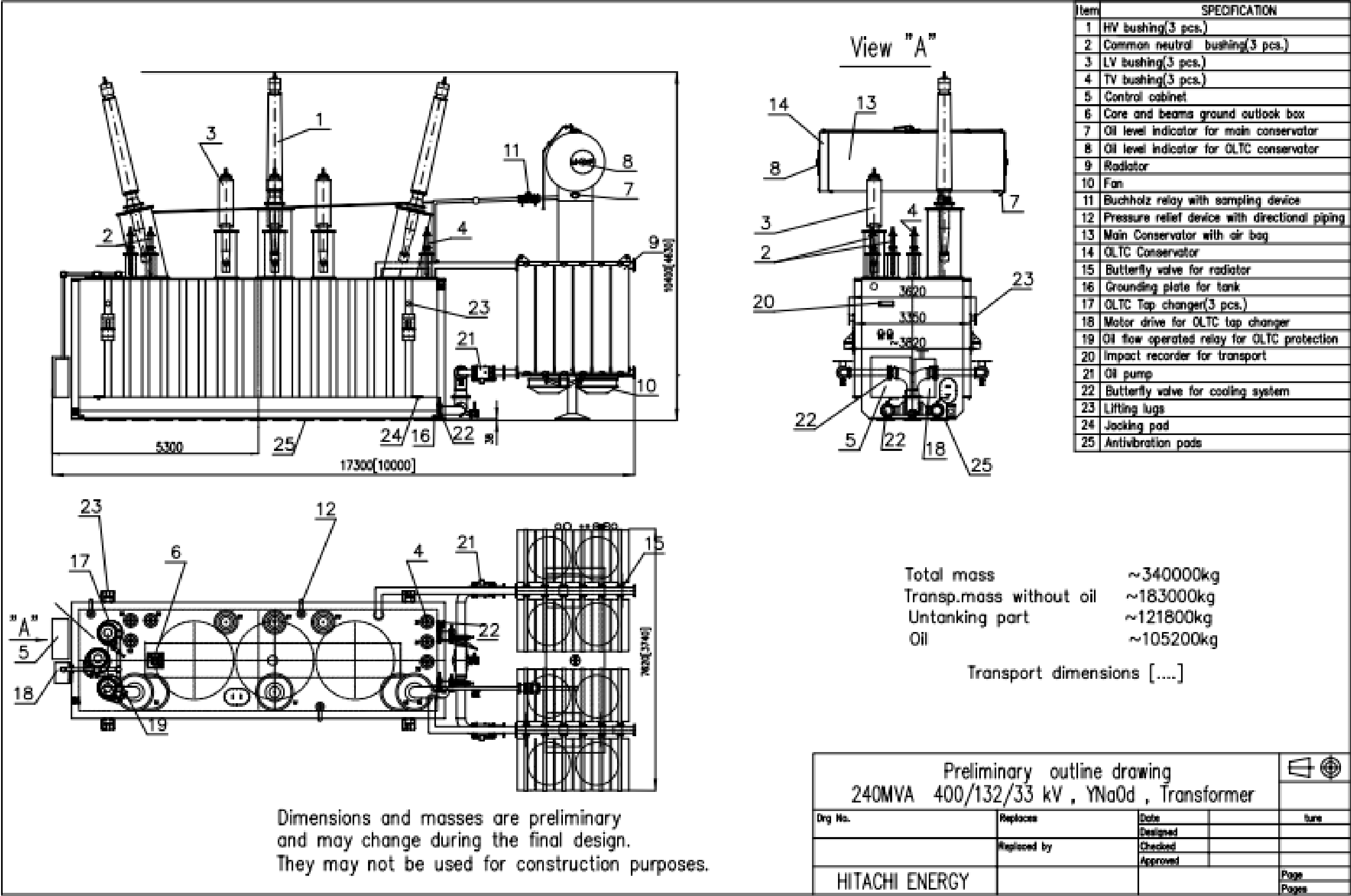


Preliminary Dimensions

RATED POWER MVA	90/120
RATED VOLTAGE kV	132 ±10x1% / 33
FREQUENCY Hz	50
VECTOR GROUP	YNd11
COOLING CLASS	ONAN/ONAF
UNTANKING MASS Kg	64000
TRANSFORMER TOTAL OIL Kg	22000
TRANSFORMER TOTAL MASS Kg	120000

Prep.	Resp. dept. ENG	Title Preliminary Drawing		
App.	Takeover dept. ENG			
Rev. 00	Rev. by	Rev. App.	Scale -	Suffix
ABB			Doc.Numb.	Lang. EN
				Cont. 1
				Sheet 1

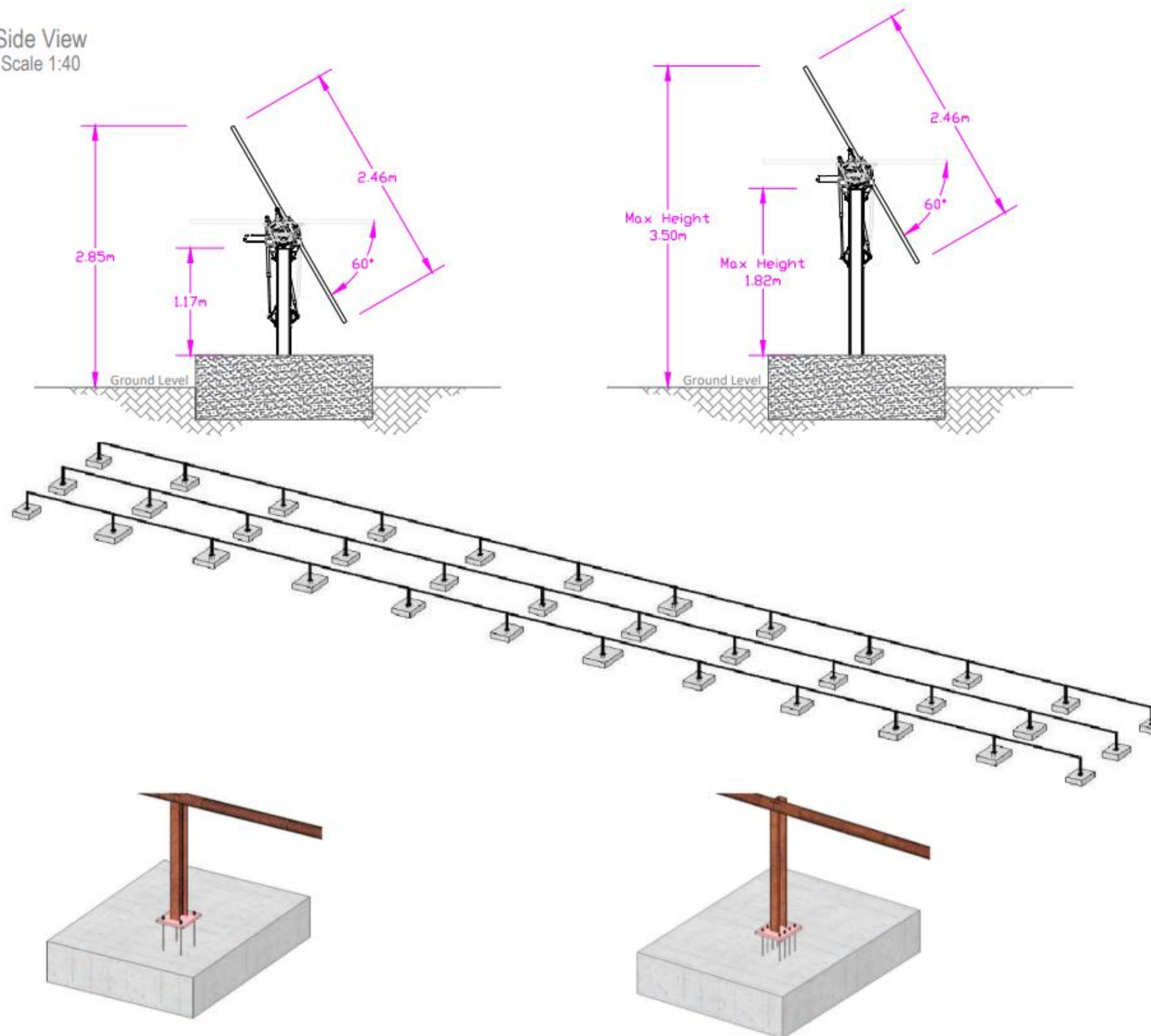
400 kV Transformer



1.4 Illustrative Drawings of Solar PV Concrete Feet

- 1.4.1 The second figure illustrates the use of one panel '1P' tracker panels with a height of 3.5m. This configuration has been selected for illustrative purposes because it is compatible with concrete footings. In contrast, two panel '2P' tracker panels —up to 4.5m high—are not compatible with the concrete feet.



[illegible][illegible]

1.5 Illustrative Access Track to BESS Area

