

NOTES

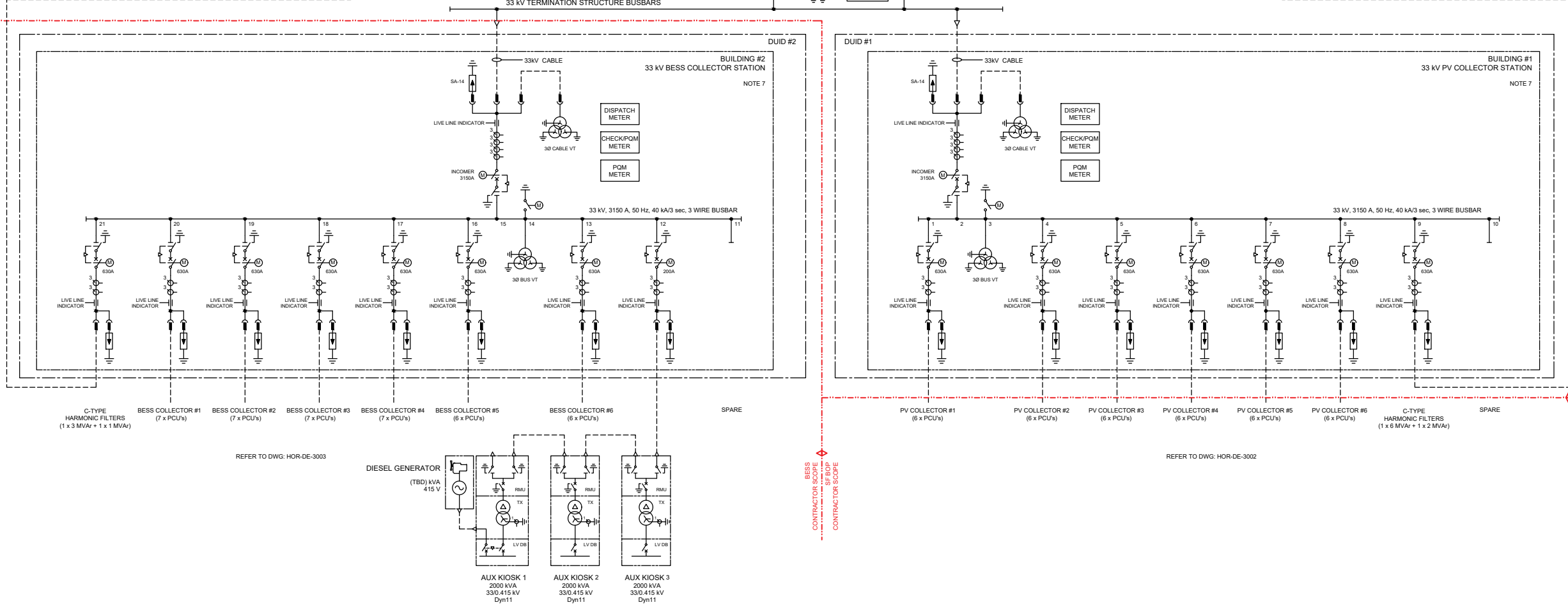
- THIS DRAWING IS SHOWING FUNCTIONALITY ONLY. THE FINAL EQUIPMENT RATINGS AND PROTECTION FUNCTIONS ARE SUBJECT TO DETAILED DESIGN.
- THE POC AND METERING LOCATIONS ARE SUBJECT TO FINAL GRID CONNECTION AGREEMENT.
- THE 220KV UNDERGROUND CABLES BETWEEN THE SOLAR FARM SUBSTATION AND HOTS WILL BE INSTALLED BY THE SUBSTATION CONTRACTOR.
- HOTS DESIGN AND FUNCTIONALITY TO BE CONFIRMED BY AUSNET.
- CT AND VT DETAILS ARE TO BE CONFIRMED. SOLAR FARM SUBSTATION 220KV VT IS TO BE SPECIFIED TO ALLOW FOR THE FULL DISCHARGE CAPACITY OF THE 220KV CABLE.
- EARTHING AND AUXILIARY TRANSFORMER DETAILS ARE TO BE CONFIRMED.
- SHORT CIRCUIT RATING AND FAULT CLEARANCE OF 33KV SWITCHGEAR TO BE FINALISED DURING DETAILED DESIGN.
- REFER TO DRAWING HOSF-SMEC-EL-06-HVS-SLD-016 FOR METERING AND PROTECTION REQUIREMENTS.
- TARIFF METERS TO BE INSTALLED IN AUSNET METERING PANEL.
- MODELS TO BE FINALISED DURING DETAILED DESIGN.
- HARMONIC FILTER EQUIPMENT TO BE SUPPLIED AND INSTALLED BY THE SUBSTATION CONTRACTOR.

HORSHAM TERMINAL STATION (HOTS) 220KV BUS #1 (EXISTING)


LEGEND

- TERMINATION
- EARTH
- CABLE TERMINATION
- CABLE PLUG
- SURGE ARRESTOR
- MOTORISED ISOLATOR/DISCONNECTOR
- MOTORISED EARTH SWITCH
- MOTORISED CIRCUIT BREAKER
- POWER TRANSFORMER WITH OLTC
- Dyn11 DISTRIBUTION TRANSFORMER
- ZIGZAG EARTHING/AUXILIARY TRANSFORMER
- DIESEL RECIPROCATING ENGINE
- 3 PHASE, 50Hz GENERATOR
- 3 WINDING VOLTAGE TRANSFORMER
- CAPACITIVE VOLTAGE TRANSFORMER
- 3 PHASE CURRENT TRANSFORMER
- SINGLE PHASE CURRENT TRANSFORMER
- INTERLOCK

SUBSTATION CONTRACTOR SCOPE
BESS CONTRACTOR SCOPE



PRELIMINARY

DO NOT SCALE FROM DRAWING														CLIENT: OX2		PROJECT: HORSHAM SOLAR FARM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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