GREEN GENERATION ENERGY NETWORKS LTD. (LOWER FRANKTON SUBSTATION)
132KV AIS SUBSTATION LAYOUT
REGULATION XXXXXXX
SHEET 01 OF 02

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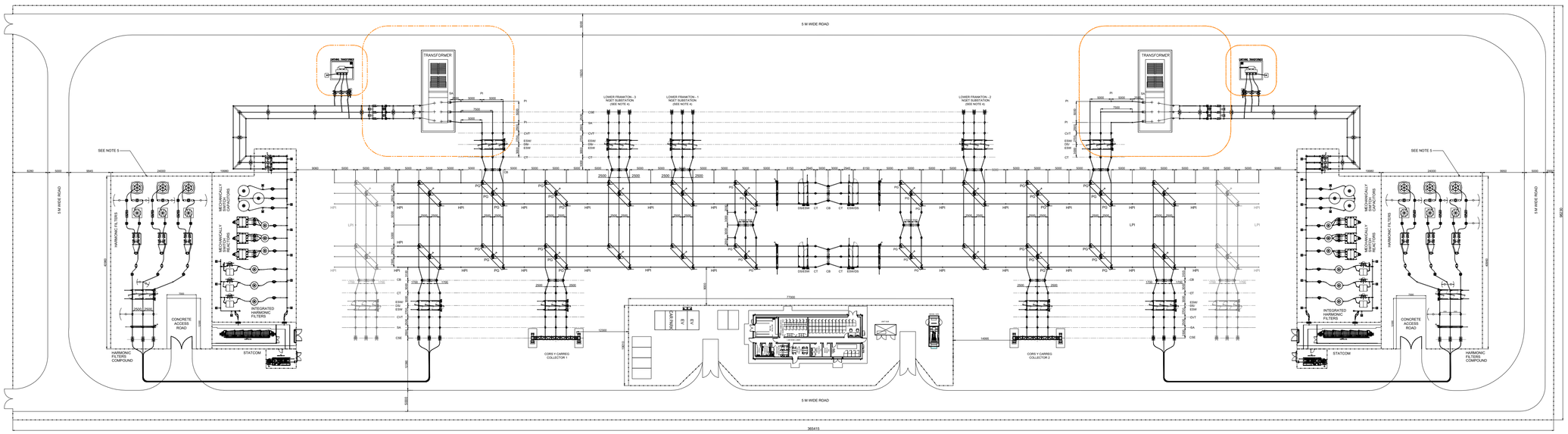
LICENCE No. XXXXXXXX



KEY (USE GENERIC KEY BASED ON PLAN TYPE)

CSE	CABLE SEALING END
LPI	LOW LEVEL POST INSULATORS
CT	CURRENT TRANSFORMER
SA	SURGE ARRESTOR
PQ CVT	POWER QUALITY CAPACITIVE VOLTAGE TRANSFORMER
CB	CIRCUIT BREAKER
ESW	EARTHING SWITCH
DS	DISCONNECTOR SWITCH
HPI	HIGH LEVEL POST INSULATOR
PG	PANTOGRAPH DISCONNECTOR
————	NEW EQUIPMENT
- - - - -	FUTURE

NOTES:

1. RISK ASSESSMENT AND METHOD STATEMENTS TO BE FOLLOWED AT ALL STAGES OF CONSTRUCTION.
2. THIS IS FOR DEVELOPMENT PURPOSES ONLY. NOT FOR CONSTRUCTION.
3. ALL DIMENSIONS ARE IN mm.
4. THESE BAYS ARE PROPERTY OF NGET, WITH THE EXCEPTION OF THE 132kV BUSBARS.
5. HARMONIC FILTER ARRANGEMENT IS INDICATIVE ONLY.
6. TRANSFORMER AND THE CONNECTION TO STATCOM ARE INDICATIVE ONLY.

ISSUE	DATE	COMMENTS	DRAWN	CHK'D	APP'D
B	04/11/25	HARMONIC FILTERS ADDED	MN	MS	SC
A	22/11/24	FIRST ISSUE	RD	MN	AR

PROJECT:
VYRNWY FRANKTON CONNECTION

GREEN GEN CYMRU

TITLE:
LOWER FRANKTON
SWITCHING STATION
TYPICAL LAYOUT

CIRCUIT / SITE:

DWG

ORIGINATOR DRAWING No:
331201487-STN-20-XX-LAY-SC-031

A1

GGENC DRAWING No:

SHEET: 01 OF: 02 ISSUE: B

SCALE: 1:550

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GREEN GENERATION ENERGY NETWORKS LTD. (LOWER FRANKTON SUBSTATION)
132KV AIS SUBSTATION LAYOUT
REGULATION XXXXXXX
SHEET 02 OF 02

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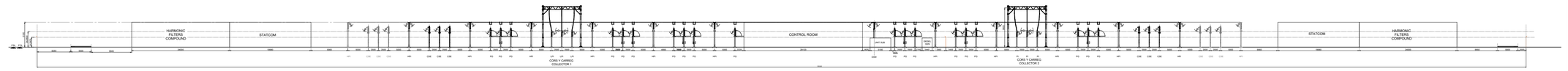
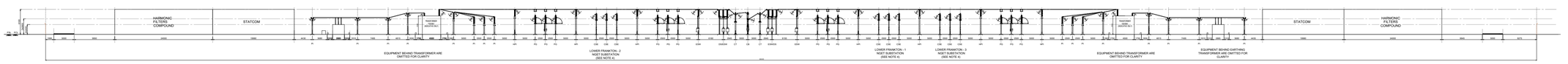


SECTION : A-A'



SECTION : B-B'

KEY (USE GENERIC KEY BASED ON PLAN TYPE)

CSE	CABLE SEALING END
LPI	LOW LEVEL POST INSULATORS
CT	CURRENT TRANSFORMER
SA	SURGE ARRESTOR
PQ CVT	POWER QUALITY CAPACITIVE VOLTAGE TRANSFORMER
CB	CIRCUIT BREAKER
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GREEN GEN CYMRU

TITLE:
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SWITCHING STATION
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CIRCUIT / SITE:

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