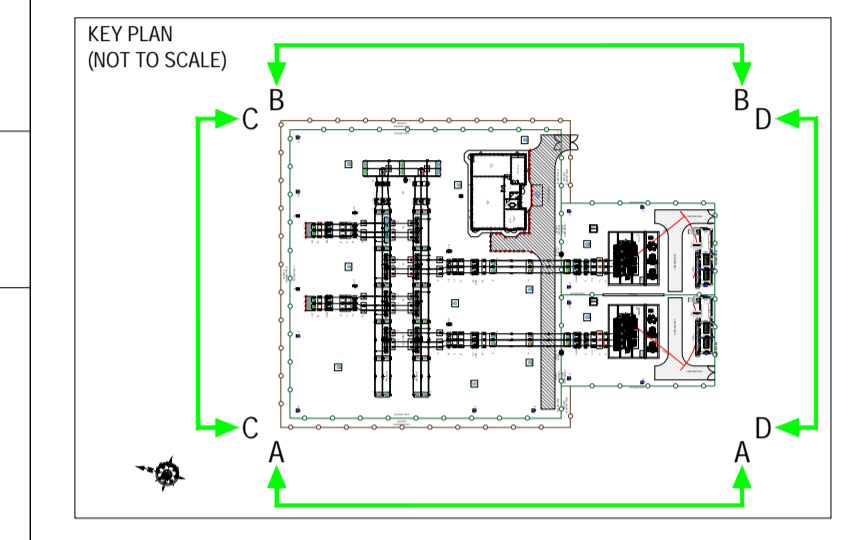


NOTES:

1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
2. BASED ON EIRGRID STANDARD FOR 110 KV C-TYPE 8-BAY AIS SUBSTATION (DRAWING NUMBER XDN-LAY-ELEV-STD-H-001-R08).
3. INDICATIVE LAYOUT ONLY. FURTHER DETAILS SUCH AS LV CABLE TRENCHES INTERFACE CABINETS AND LIGHTING ETC. TO BE ADDED AT DETAILED DESIGN STAGE.
4. LIGHTNING MAST POSITION SUBJECT TO CHANGE WITHIN COMPOUND.
5. ACCESS ROADS TO BE 250mm DEEP CONCRETE ON WELL COMPACTED STONE FILL.
6. COMPOUND STONE FILL TO BE 150mm DEEP LAYER OF 50mm SINGLE SIZED CRUSHED LIMESTONE. EXTENT OF CRUSHED ROCK TBC AT DETAILED DESIGN STAGE.
7. ALL HV EQUIPMENT TO BE POSITIONED ON CONCRETE PLINTHS.

LEGEND



SA	SURGE ARRESTER
CSE	CABLE SEALING END
CT	CURRENT TRANSFORMER
VT	VOLTAGE TRANSFORMER
PI	POST INSULATOR
DL/DE	LINE/EARTH DISCONNECTOR
CB	CIRCUIT BREAKER
LCC	LOCAL CONTROL CABINET
LM	LIGHTNING MAST
DT/DE	TRANSFORMER/EARTH DISCONNECTOR

MINIMUM ELECTRICAL CLEARANCES (mm)		110 kV
PHASE TO PHASE		1100
PHASE TO EARTH		1100
MIN DISTANCE FROM LIVE PARTS TO SCREENS, WALLS ETC.		1200
HEIGHT OF BOTTOM OF UNSCREENED LIVE BUSHINGS ABOVE GROUND		2300
HEIGHT OF LIVE PARTS ABOVE PEDESTRIAN PASSAGEWAY		3400
HEIGHT OF LIVE PARTS ABOVE VEHICLE PASSAGEWAYS		8000
HEIGHT OF LINES ABOVE GROUND (EXCLUDING ROAD)		7000
HEIGHT OF COMPOUND FENCE		2600
HORIZONTAL DISTANCE BETWEEN LIVE PARTS AND COMPOUND FENCE		4500

Rev	Date	Description	CHK	APP
02	02/08/2023	NORTH POLE ADDED	DM	ES
01	20/07/2023	"SECTION" TAGS CHANGED BY "ELEVATION".	DM	ES
00	07/07/2023	FOR PLANNING	DM	ES

Revisions



Unit 35, McLoughlin Road, National Technology Park, Castletroy, Limerick
 Tel: 061 357496 Fax: 061 514736
 www.hmveng.ie
 Email: info@hmveng.ie

Project: **PROPOSED MONVALLET HYBRID SOLAR & BESS 110 KV SUBSTATION**

Title: **COMPOUND ELEVATION VIEWS**

Date: 02/08/2023 Drawn: MR Designed By: RBC Checked By: DM Approved By: ES

Scale: 1:250 @ A1 Project No: A10XX Project Status: -

Project Code Originator Volume Level Type Disc Doc No

A10XX - HMV - XX - XX - DR - E - 0003

Status Code: Suitability Description: - Revision: 02

COPYRIGHT H&MV ENGINEERING LIMITED
 All rights reserved. No part of this work may be amended, copied or reproduced in any form or manner or by any means whether graphic, electronic or mechanical, including but not limited to photocopying, recording, scanning, or information and retrieval systems, or used for any other purpose but its designated one, without the written consent of H&MV ENGINEERING LIMITED.

