

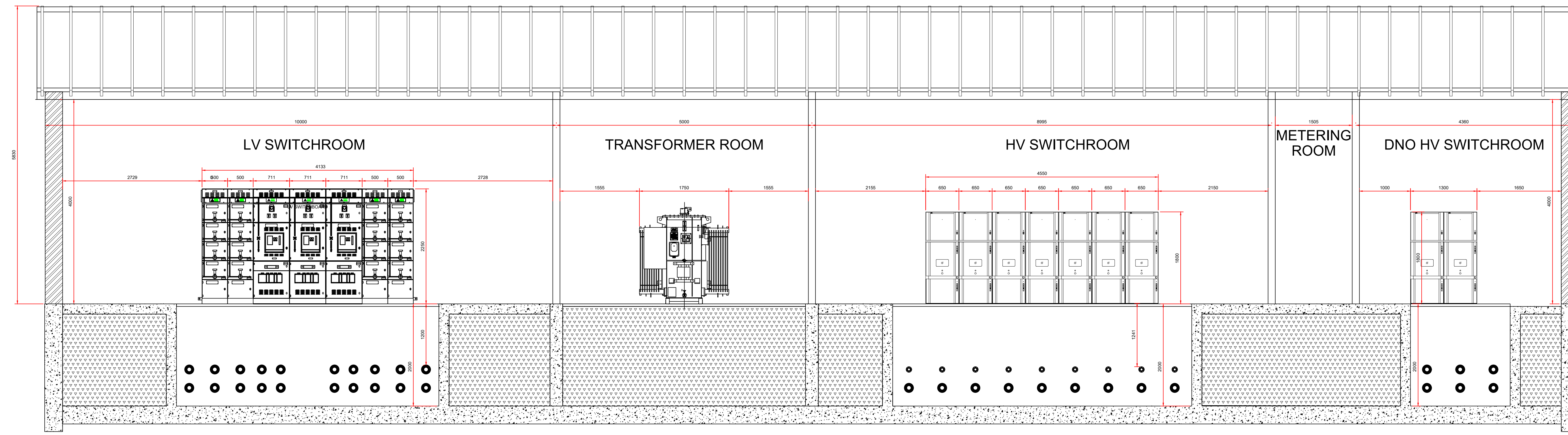
Notes

- 200mm SEPARATION REQUIRED BETWEEN DUCT (PENETRATION) EDGES HORIZONTALLY AND VERTICALLY AS PER STRUCTURAL DESIGN TO ALLOW FOR REBAR.
- ALL PENETRATIONS FOR 11kV CABLES ARE 160mm OD AND ALL PENETRATIONS FOR CONTROL AND EARTH CABLES ARE 100mm OD.
- DUCTS TO BE SEALED AGAINST WATER/MOISTURE INGRESS WITH IP68 RATING (TO BS EN 60529) AND WITH 4-HOUR FIRE RESISTANCE TESTED TO BS EN 1366-3.

Key to symbols

Reference drawings

- 108939-MMD-BRGR-XX-DR-E-0071 BRIDGEND GREEN HYDROGEN PROJECT OVERALL SINGLE LINE DIAGRAM
- 108939-MMD-BRGR-XX-DR-E-0072 BRIDGEND GREEN HYDROGEN PROJECT HV SWITCHBOARD PROTECTION AND CONTROLS SHEET 01 OF 02
- 108939-MMD-BRGR-XX-DR-E-0073 BRIDGEND GREEN HYDROGEN PROJECT HV SWITCHBOARD PROTECTION AND CONTROLS SHEET 02 OF 02
- 108939-MMD-BRGR-XX-DR-E-0074 BRIDGEND GREEN HYDROGEN PROJECT HV CABLE BLOCK DIAGRAM
- 108939-MMD-BRGR-XX-DR-E-0075 BRIDGEND GREEN HYDROGEN PROJECT SUBSTATION LAYOUT ARRANGEMENT DIAGRAM
- 108939-MMD-BRGR-XX-DR-E-0077 BRIDGEND GREEN HYDROGEN PROJECT SUBSTATION SECTIONS AND PENETRATIONS DIAGRAM SHEET 02 OF 02
- 108939-MMD-BRGR-XX-DR-E-0078 BRIDGEND GREEN HYDROGEN PROJECT CABLE ROUTING LAYOUT ARRANGEMENT
- 108939-MMD-BRGR-XX-DR-E-0079 BRIDGEND GREEN HYDROGEN PROJECT CABLE ROUTING SECTIONS DIAGRAM
- 108939-MMD-BRGR-XX-DR-E-0080 BRIDGEND GREEN HYDROGEN PROJECT EARTHING



SECTION A-A

Rev	Date	Drawn	Description	Ch'kd	App'd
P1	04/11/22	S.P.	PRELIMINARY ISSUE	P.B.	I.J.K.

Status Stamp

NOT FOR CONSTRUCTION

M M
MOTT
MACDONALD

St Vincent Plaza
319 St Vincent Street
Glasgow G2 5LD
United Kingdom

T +44 (0)141 222 4500
F +44 (0)141 222 2048
W www.mottmac.com

Client

Marubeni

95 Gresham Street
London
EC2V 7AB
+44 (0)20 7826 8811
www.marubeni-europower.com

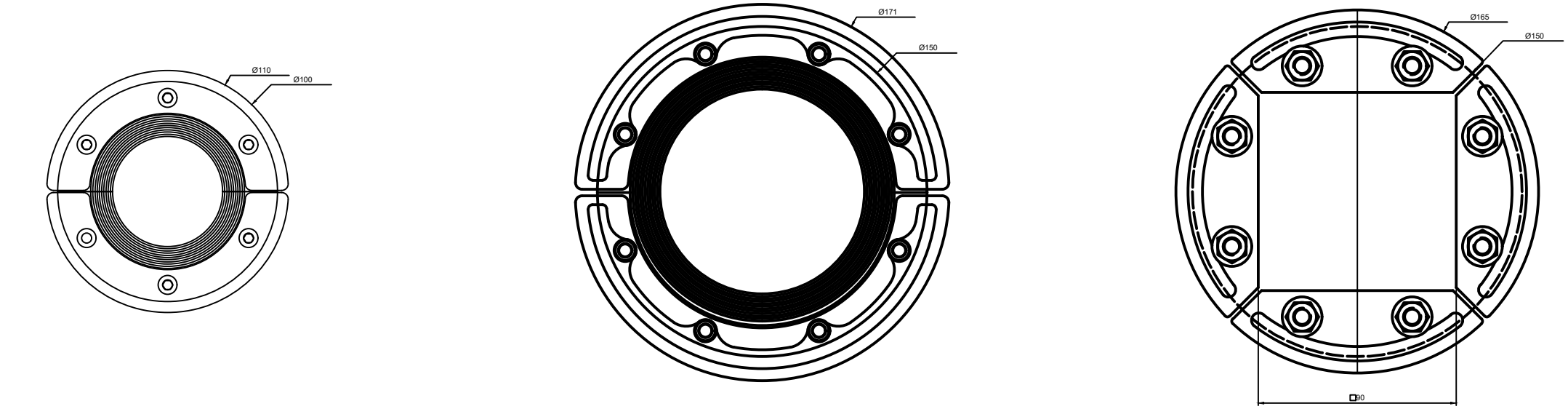
Title

BRIDGEND GREEN HYDROGEN PROJECT SUBSTATION SECTIONS AND PENETRATIONS DIAGRAM Sheet 01 of 02

Designed	O.Mabou	O.M.	Eng check	P.Berwick	P.B.
Drawn	S.Pentice	S.P.	Coordination	P.Berwick	P.B.
Dwg check	O.Mabou	O.M.	Approved	I.Kirkpatrick	I.J.K.

MMD Project Number	Scale at A0	Security
108939	NTS	STD

Suitability Description	Suit. Code
FIRST ISSUE FOR REVIEW	S1
Drawing Number	Revision
108939-MMD-BRGR-XX-DR-E-0076	P1



DETAIL A: 100mm RS ROXTEC UNIT

DETAIL B: 150mm RS ROXTEC UNIT

DETAIL C: 150mm R-FRAME ROXTEC UNIT