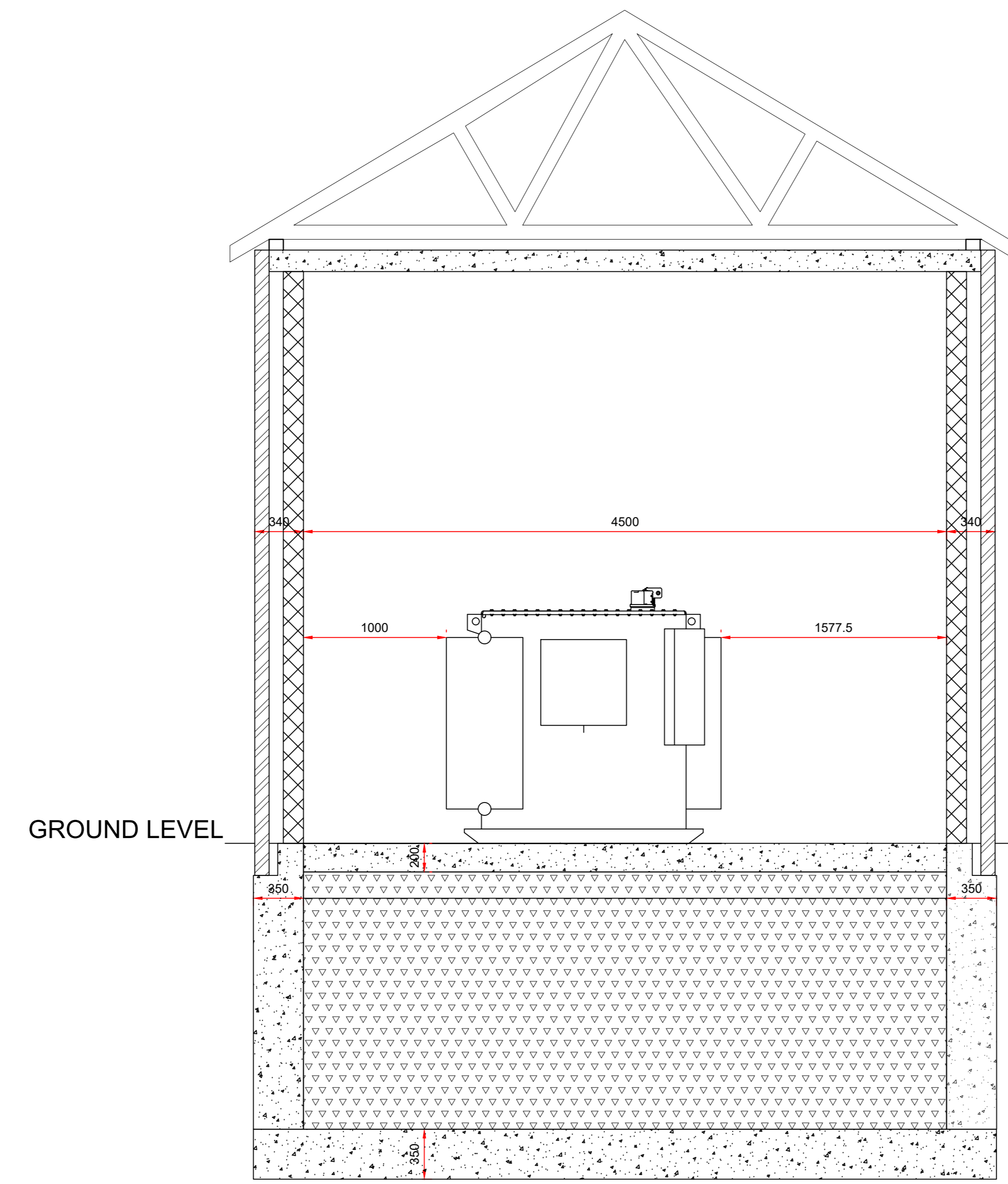
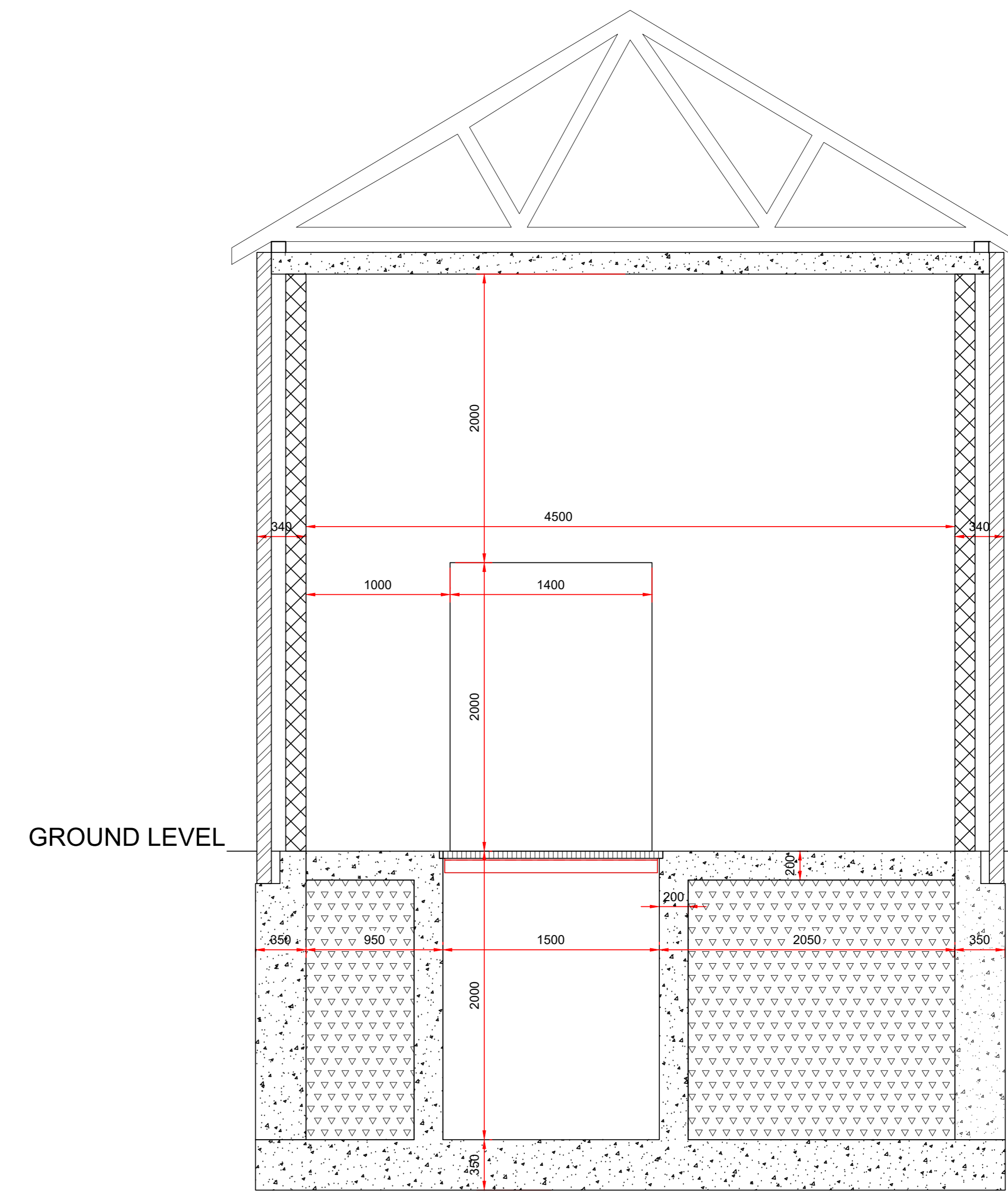


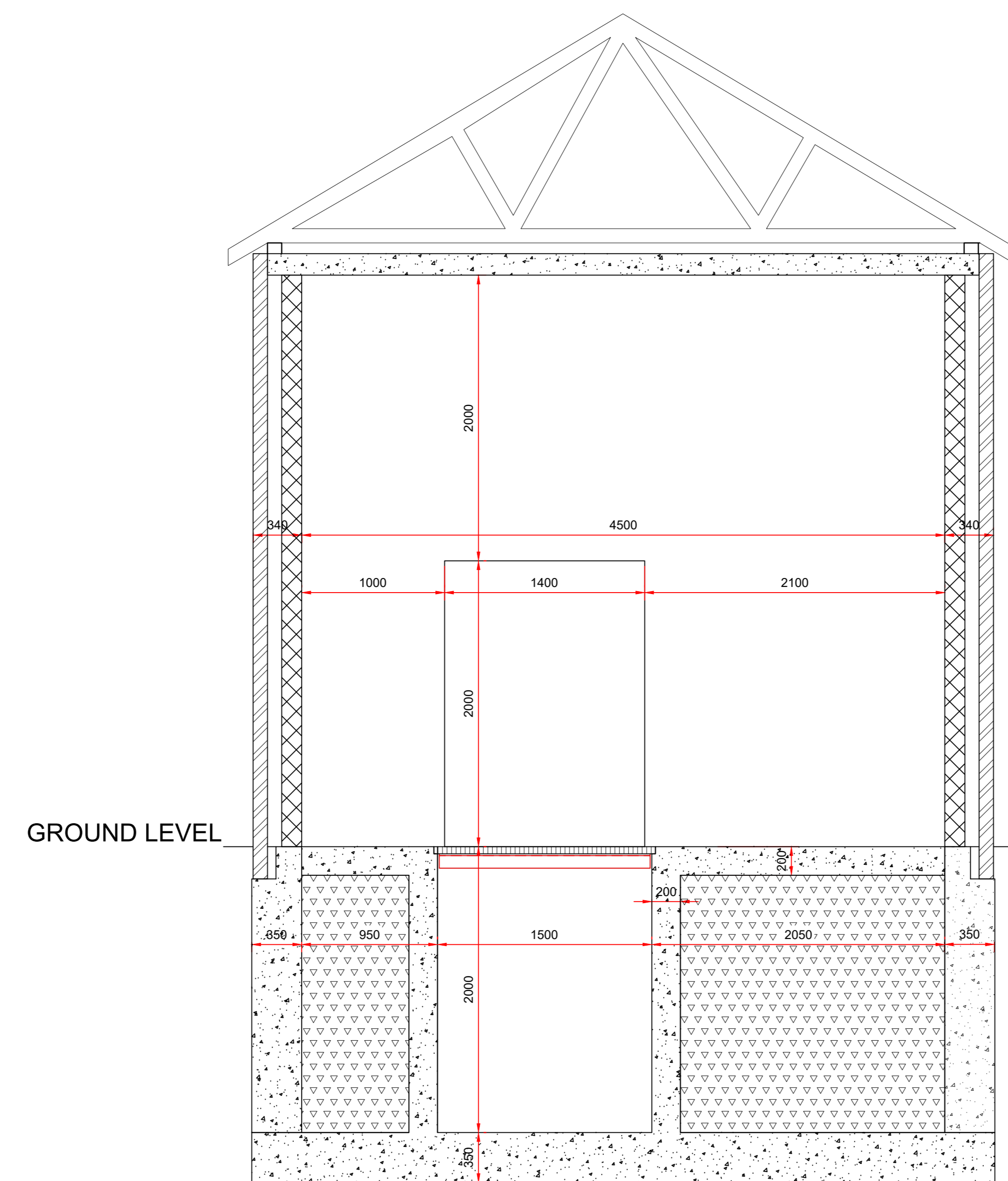
SECTION B-B



SECTION C-C



SECTION D-D



SECTION E-E

- 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-0076	BRIDGEND GREEN HYDROGEN PROJECT SUBSTATION SECTIONS AND PENETRATIONS DIAGRAM SHEET 01 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

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Rev	Date	Drawn	Description	Ch'kd	App'd

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

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

MMD Project Number	Scale at A0	Security
108939	NTS	STD

Suitability Description
FIRST ISSUE FOR REVIEW

Drawing Number	Revision
108939-MMD-BRGR-XX-DR-E-0077	P1