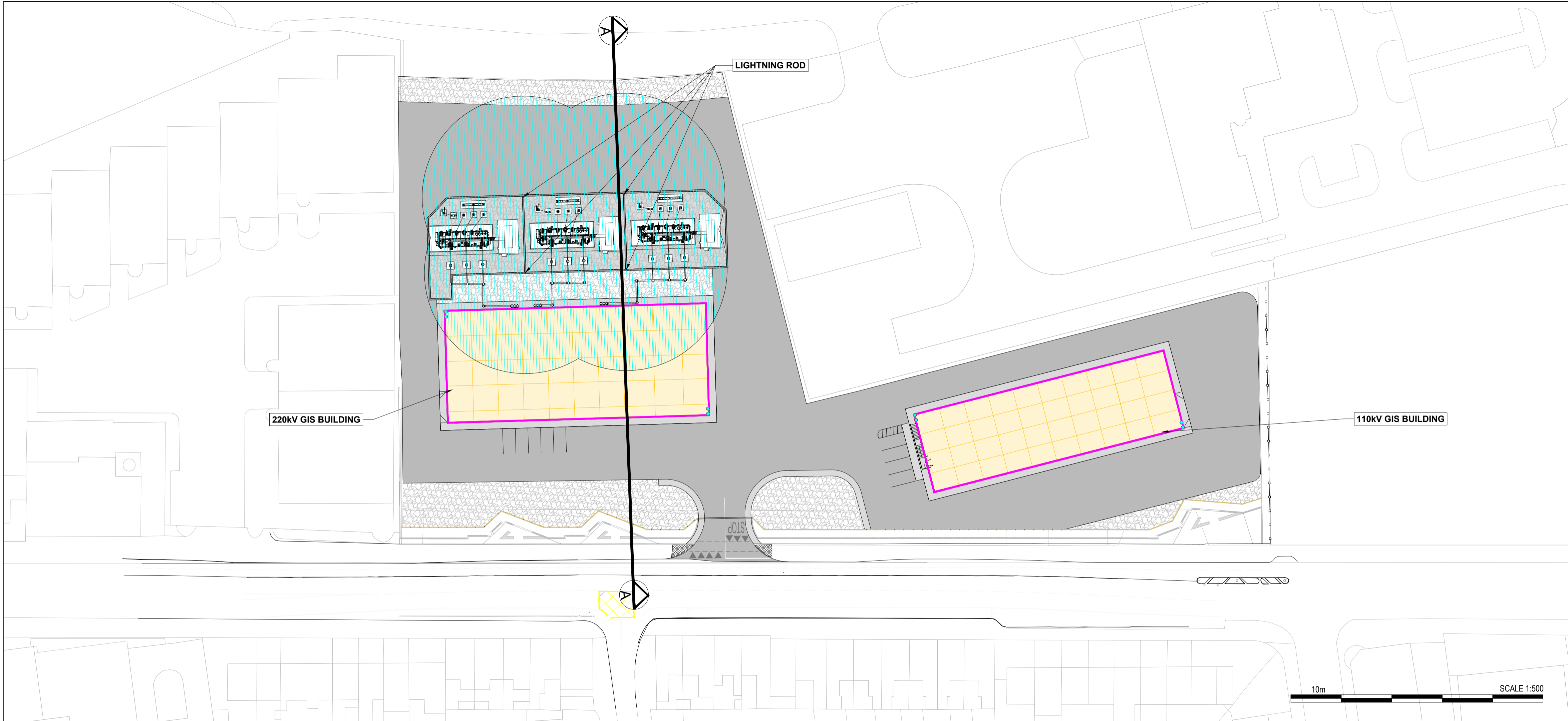


U:\E000451AA - Dublin Bulk Supply Point\8.0 Drawings\DRCP\1273-RPS-03-PL-D-E-2133 Substation Compound Lightning Protection Layout.dwg



- LEGEND:**
- PROPOSED FENCELINE
 - PROPOSED BUILDING
 - PROPOSED ASPHALT ROAD
 - PROPOSED CONCRETE FOOTPATH
 - PROPOSED GRAVEL AREA
 - 50 mm² COPPER TAPE
 - MESH AIR TERMINATION
 - ROLLING SPHERE AIR TERMINATION
 - AIR-TERMINATION CONDUCTOR FIXTURE
 - LIGHTNING ROD

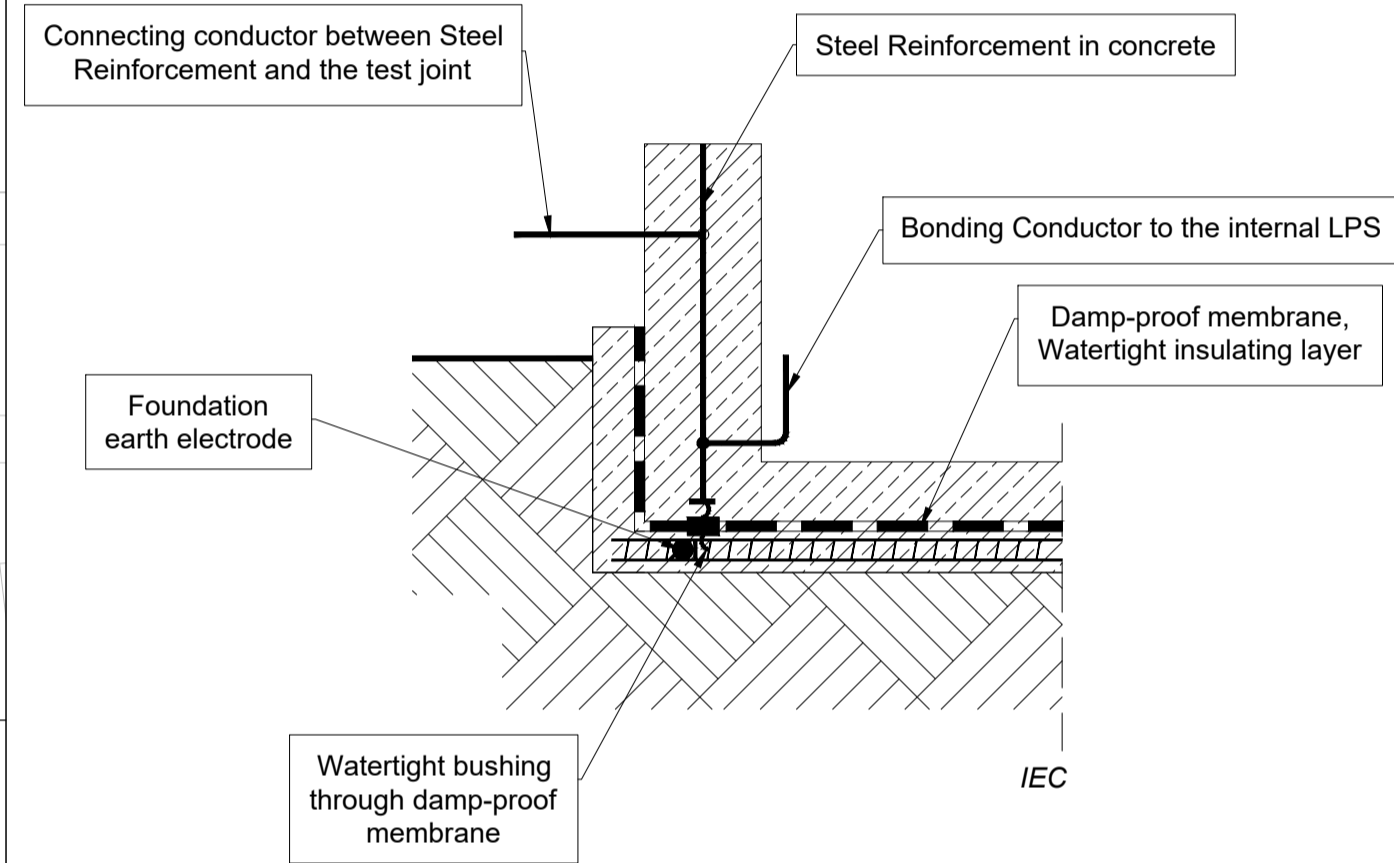
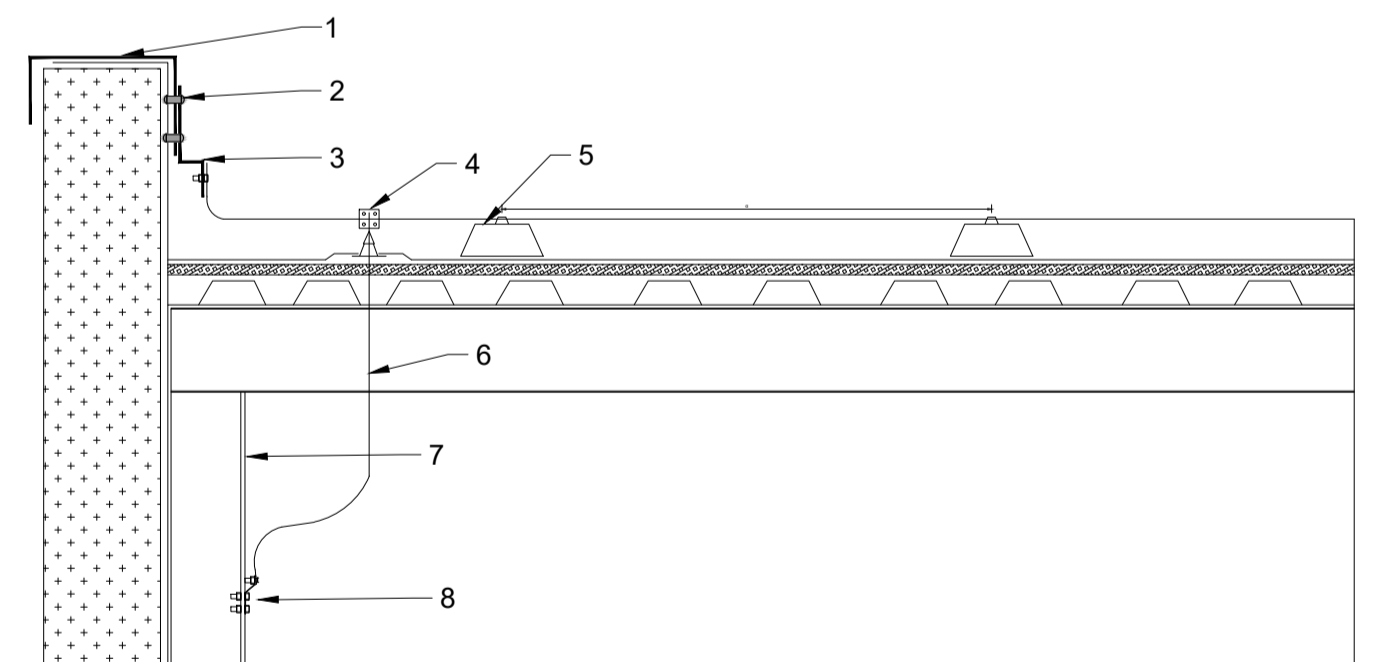


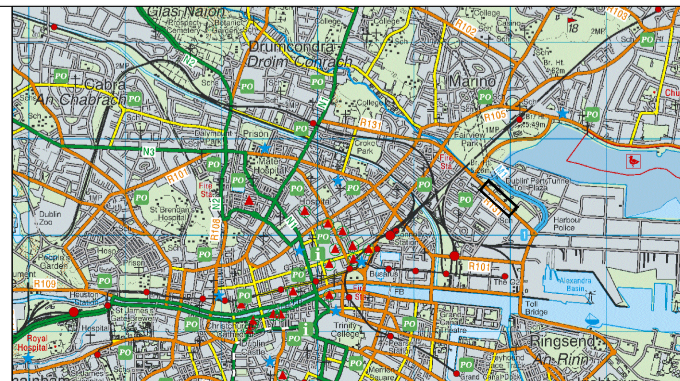
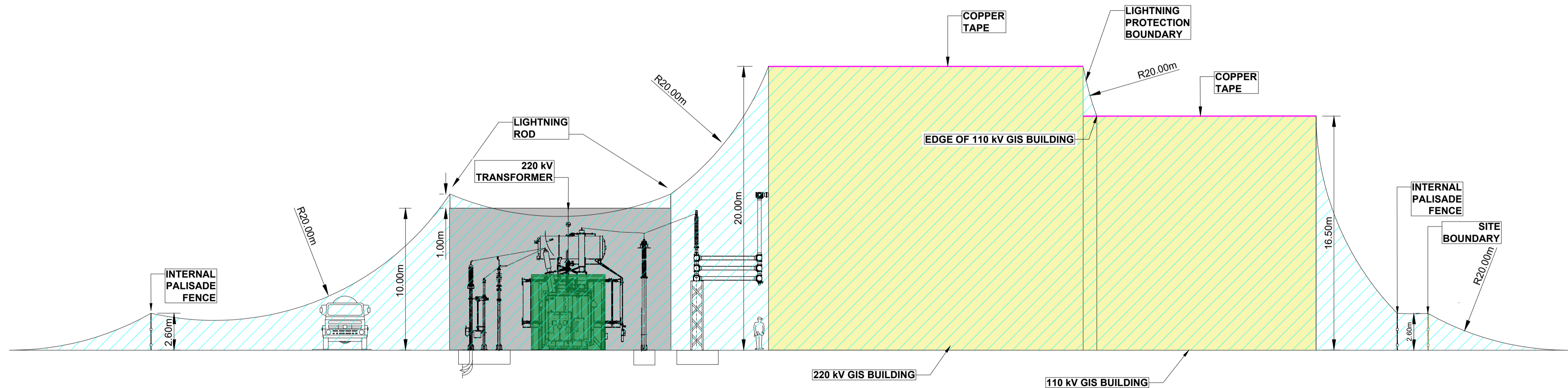
FIGURE 1: CONNECTION FROM FOUNDATION EARTH ELECTRODE TO THE STEEL REINFORCEMENT PASSING THROUGH DAMP PROOF MEMBRANE
SCALE: NTS



- α 500mm to 100mm
- 1 Roof Parapet
 - 2 Joint
 - 3 Flexible Conductor
 - 4 T-Joints
 - 5 Air-termination conductor fixture
 - 6 LPS passing through a watertight bushing
 - 7 Steel girder
 - 8 Joint

FIGURE 2: CONSTRUCTION OF AN LPS USING NATURAL COMPONENTS ON THE ROOF OF THE STRUCTURE
SCALE: NTS

SECTION A-A



General Notes

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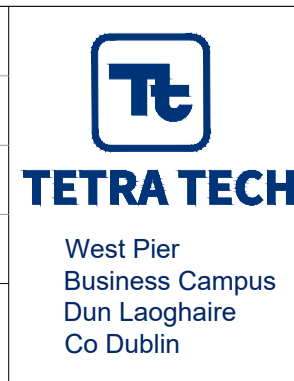
(ii) DO NOT SCALE, use figured dimensions only.

(iii) This drawing is the property of RPS, it is a project confidential classified document. It must not be copied or its contents divulged without prior written consent. The needs and expectations of client and RPS must be considered when working with this drawing.

(iv) Information including topographical survey, geotechnical investigation and utility detail used in the design have been provided by others.

(v) All Levels refer to Ordnance Survey Datum, Malin Head.

Rev	Date	Drawn By	Amendment / Issue	App
S5 P01	01.08.25	Tc Ab	PLANNING ISSUE	Ab



Scale	AS SHOWN @ A1	Project	CENTRAL DUBLIN SUBSTATION PROJECT
Created on	18/07/2025	Title	COMPOUND LIGHTNING PROTECTION LAYOUT
Sheets	1 of 1	Drawing Number	CP1273-RPS-03-PL-D-E-2133
Status	S5	Rev	P01