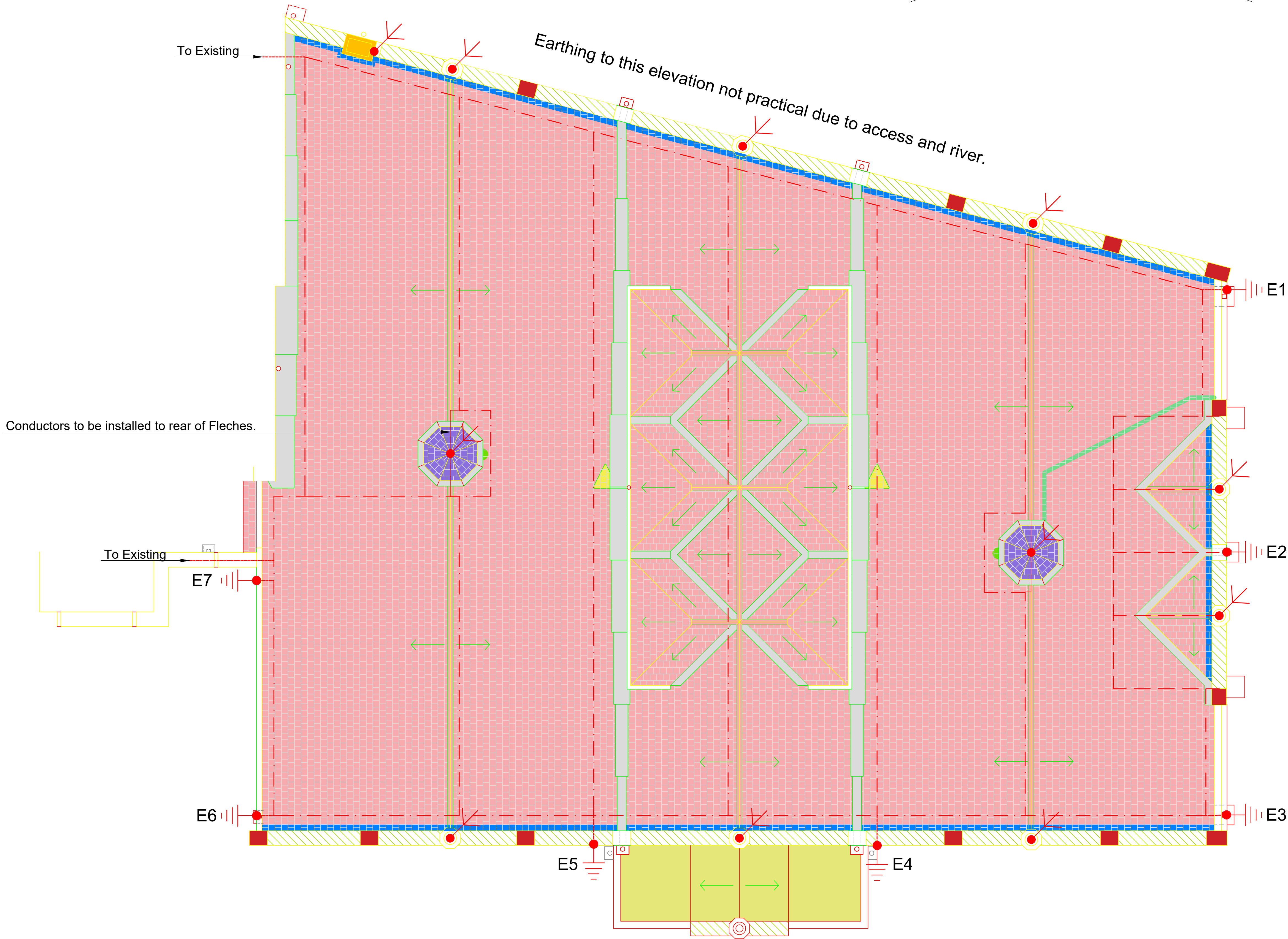
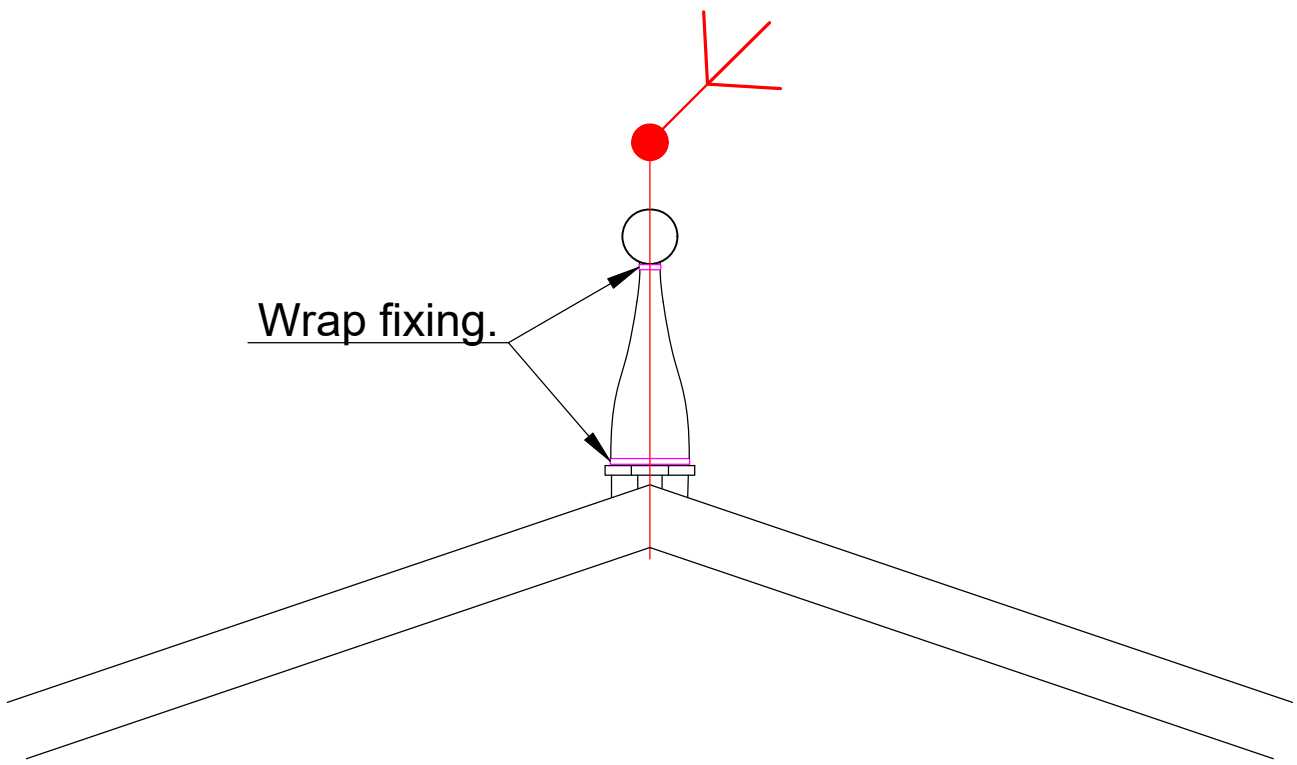




- Notes:
- This preliminary structural lightning protection system has been designed in accordance with the recommendations of BS EN 62305:2011 - Class IV LPS.
 - Air Termination Network (ATN) shall be formed from a closed meshed formation of 25x3mm/8mm Dia. PVC sheathed aluminium conductor, secured at centres not exceeding 1000mm via suitable non-intrusive fixings.

Suitably sized air termination finials shall be applied to all salient features, such as chimney stacks, etc.
 - Down Conductor Network (DC's) shall be formed from 25x3mm/8mm Dia. PVC sheathed aluminium conductor, secured vertically at centres not exceeding 1000mm via non-metallic clip fixings. Spacings between down conductor positions shall not exceed 10m (+20%) and prominent corners shall always take precedence.
 - Earth Termination Network (ETN) shall be formed from deep-driven earth electrodes (2.4m Min. Depth), installed in each down conductor position. To facilitate the annual testing & maintenance, each position shall be equipped with a light weight polymer inspection chamber.
 - To fully comply with BS EN 62305-3, surge protection devices must be installed to the mains incoming metallic services as a minimum.

Legend:

- AIR FINIAL
- ROOF CONDUCTOR BELOW ROOF TILES.
- SURFACE MOUNTED CONDUCTOR.
- DOWN CONDUCTOR TO EARTH SHOULD BE HIDDEN WHERE POSSIBLE

Status Stamp:

Tender	Provisional Design	Construction
☐	☐	☒

Unit 2 Marsland St
Hazel Grove
Stockport
SK7 4ER
T: 0161 302 8766
E: info@raidenlps.co.uk
W: www.raidenlps.co.uk

Drawing Title:

Structural Lightning Protection
In Accordance With BS EN 62305:2011

Project Name:

Touchstone Art Gallery.

Client:	
Project No:	Date: 15/05/2025
DWG No: 0001_P1_AF_IW_LPS	SCALE: N.T.S @A1