

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED
- DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING IS BASED ON AVAILABLE NETWORK RAIL RECORD INFORMATION AND A BASIC DIMENSIONAL SITE
- THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION.
- ABSOLUTE MINIMUM HEIGHT OF PARAPET IS TO BE 1850mm FROM STANDING SURFACE OR ANY FOOTHOLD WITHIN 6m OF

STEELWORK NOTES

- STEEL GRADES IN ACCORDANCE WITH BS EN 10025 2004 PARTS 1-6, TO BE S275 J0.
- ALL WELDING SHALL BE IN ACCORDANCE WITH BS EN 1011-1:1998 AND AMENDMENT NO.1: 2002. BS EN 1011-2, BS EN 729 AND THE SPECIFICATION. ALL WELDERS SHALL BE APPROVED TO BS EN 287 PART 1 AND BS EN 1418.
- ALL BOLTS AND ANCHORAGES DAMAGED/CUT DURING IMPLEMENTATION TO BE TOUCHED UP WITH GALVAFROID
- PROTECTIVE TREATMENT OF NEW STEELWORK ELEMENTS TO BE HOT DIP GALVANISED TO BS EN ISO 1461:2009 AND
- 10. ALL DIMENSIONS OF NEW STEELWORK/FRP ELEMENTS AND BOLT LOCATIONS TO BE CONFIRMED PRIOR TO FABRICATION BY CONTRACTOR BY UNDERTAKING A SITE SURVEY.
- CONTRACTOR TO CONFIRM ALL BOARD DIMENSIONS AND HOLE LOCATIONS PRIOR TO CUTTING THE FINAL LENGTHS
- FRP PANELS ARE TO BE FABRICATED FROM FYBATEX FRP PLATES BY SMYTH COMPOSITES LTD OR SIMILAR APPROVED. COLOUR TO BE NIMBUS GREY, REF: 10.A.07 TO BS 5252
- 3. ALL FRP BOARDS AND COMPONENTS ARE TO BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.
- 4. ALL FIELD CUT & DRILLED EDGES, HOLES & ABRASIONS FOR FRP SHALL BE SEALED WITH A CATALYZED RESIN AS RECOMMENDED BY MANUFACTURERS. THE SEALING OF THE EDGES SHALL PREVENT PREMATURE FRAYING OF THE FIELD CUT EDGES.
- 5. ALL GAPS BETWEEN FRP ELEMENTS TO BE FILLED WITH 2 PART POLYSULPHIDE SEALANT OR SIMILAR APPROVED

RESIDUAL RISKS 🔨

- 1. INJURY DUE TO WORKING WITH POWER TOOLS.
- 2. INJURY DUE TO MANUAL HANDLING. 3. DRILLING THROUGH REINFORCED CONCRETE / DAMAGE
- 4. ILLNESS DUE TO CHEMICALS WITHIN PAINT SYSTEMS
- 5. LIGHTING CABLES FOR PUBLIC HOUSE SIGNAGE
- ATTACHED TO NORTH EAST RETURN WALL
- 6. EXPOSURE TO FRP FIBRES FROM FIELD CUT EDGES.
- 7. WELDING OPERATIONS.
- SECOND ISSUE RD RB TC FIRST ISSUE RD HD TC Description of Revisions Drawn Chkd Appr

F003 - DETAILED DESIGN

Civils Design Group



LIVERPOOL TO MANCHESTER DSE LINE **ELECTRIFICATION WORKS**

> DSE/39B QUEENS DRIVE PROPOSED DETAILS SHEET 2 OF 2 (AREA 3)



LNW-124384-ECV-DRG-IAB-DSE-39-13 | B02