

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED
- - THIS DRAWING IS BASED ON AVAILABLE NETWORK RAIL RECORD INFORMATION AND A BASIC DIMENSIONAL SITE
- THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS PRIOR
- ABSOLUTE MINIMUM HEIGHT OF PARAPET IS TO BE 1850mm FROM STANDING SURFACE OR ANY FOOTHOLD WITHIN 6m OF
- . STEEL GRADES IN ACCORDANCE WITH BS EN 10025 2004
- 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
- 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
- 2. FRP PANELS ARE TO BE FABRICATED FROM FYBATEX FRP COLOUR TO BE NIMBUS GREY FOR EAST PARAPET. REF: 10.A.07 TO BS 5252, AND COPPER BROWN, REF; RAL 8004 FOR
- 13. ALL FRP BOARDS AND COMPONENTS ARE TO BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS
- 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
- 15. 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



LIVERPOOL TO MANCHESTER DSE LINE **ELECTRIFICATION WORKS**

> DSE/39B QUEENS DRIVE PROPOSED DETAILS SHEET 1 OF 2 (AREA 3)

Designer	R. TURNER	Signed	Rose		Date 18/12/2015
Drawn	R. DIVILLY	Signed	R. Dinelle		Date 18/12/2015
Checked	H. DAS	Signed	Dil	ಒ	Date 18/12/2015
Approved	T. CHEETHAM	Signed	1 Cherth		Date 18/12/2015
Scale(s) at A1 Sheet Size A1 594 x 841		ELR & N	1ileage		
AS SHOWN		ELR :	DSE	3m 044	0yds
Drowing Number					

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