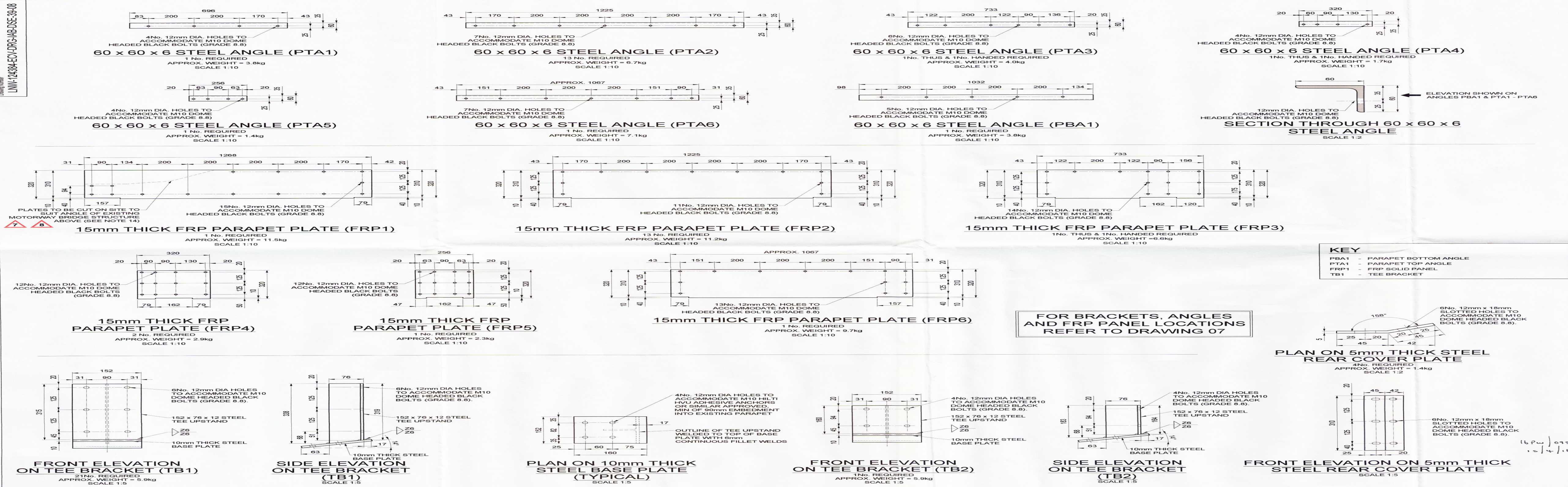




- Legend/Notes
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
 - DO NOT SCALE FROM THIS DRAWING.
 - THIS DRAWING IS BASED ON AVAILABLE NETWORK RAIL SURVEY INFORMATION AND A BASIC DIMENSIONAL SITE SURVEY.
 - THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION.
 - ABSOLUTE MINIMUM HEIGHT OF PARAPET IS TO BE 1850mm FROM FINISHING SURFACE OR ANY FOOTFELD WITHIN 8m OF THE FINISHING SURFACE.
- STEELWORK NOTES**
- STEEL GRADES IN ACCORDANCE WITH BS EN 10025 2004 PARTS 1 & 2 TO BE S275 J0.
 - ALL WELDING SHALL BE IN ACCORDANCE WITH BS EN 1011:1998 AND AMENDMENT NO 1:2002, BS EN 1011:2, BS EN 10204 AND THE SPECIFICATION ALL WELDERS SHALL BE APPROVED TO BS EN 287 PART 1 AND BS EN 1418.
 - ALL GALVANISED BOLTS AND ANCHORAGES DAMAGED/CUT OR OVER PENETRATED TO BE TOUCHED UP WITH GALVALUME.
 - PROTECTIVE TREATMENT OF NEW STEELWORK ELEMENTS TO BE HOT DIP GALVANISED TO BS EN 155 1461:2009 AND NR/MC/NV/002.
 - ALL DIMENSIONS OF NEW FRP REQUIRED PRIOR TO FABRICATION AND BOLTS LOCATIONS TO BE CONFIRMED PRIOR TO FABRICATION BY CONTRACTOR BY UNDERTAKING A SITE SURVEY.
- FRP NOTES**
- CONTRACTOR TO CONFIRM ALL THE BOARD DIMENSIONS AND HOLE LOCATIONS PRIOR TO CUTTING THE FINAL LENGTHS.
 - FRP BOARDS TO BE FABRICATED FROM STRONGWELL EXTRENE FIBREGLASS REINFORCED CONCRETE (FRP) BOARDS OF SIMILAR OR SUPERIOR QUALITY TO BE COPIER BROWN, REF. RAL 8004.
 - ALL FRP BOARDS AND COMPONENTS ARE TO BE STORED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.
 - ALL FIELD CUT & DRILLED EDGES, HOLES & ABRASIONS FOR FRP SHALL BE SEaled WITH A PURPURINE THE RESIDUAL EDGES SHALL PREVENT PREMATURE PRAYING OF THE FIELD CUT EDGES.
 - ALL GAPS BETWEEN FRP ELEMENTS TO BE FILLED WITH 2 PART POLYURETHANE SEALANT OR SIMILAR APPROVED.

RESIDUAL RISKS				
1. INJURY DUE TO WORKING AT HEIGHT. 2. INJURY DUE TO WORKING WITH POWER TOOLS. 3. INJURY DUE TO MANUAL HANDLING. 4. DRILLING THROUGH REINFORCED CONCRETE. 5. OLE BELOW STRUCTURE. 6. ILLNESS DUE TO CHEMICALS WITHIN PAINT SYSTEMS AND SEALING RESIN. 7. EXPOSURE TO FRP FIBRES FROM FIELD CUT EDGES. 8. FITMENT OF FRP PLATES AND STEELWORK ELEMENTS. 9. DAMAGE TO REINFORCED CONCRETE.				
B01 18/12/15 FIRST ISSUE ET RB TC				
Rev	Date	Description of Revisions	Drawn	Chkd
F003 - DETAILED DESIGN				
Infrastructure Projects Buildings & Civils				
Network Rail				
Project: LIVERPOOL TO MANCHESTER DSE LINE ELECTRIFICATION WORKS				
Drawing Title: PROPOSED DETAILS AREA 2 - CONCRETE PARAPET				
Designer	R. TURNER	Signed	[Signature]	08/12/2015
Drawn	E. THOMPSON	Signed	[Signature]	08/12/2015
Approved	R. BRINNERS	Signed	[Signature]	08/12/2015
Checked	L. SHEEHAN	Signed	[Signature]	08/12/2015
AS SHOWN	Sheet Size A1 594 x 841	Plot & Merge	3m 0440yds	
LNW-124384-ECV-DRG-IAB-DSE-39-08				B01