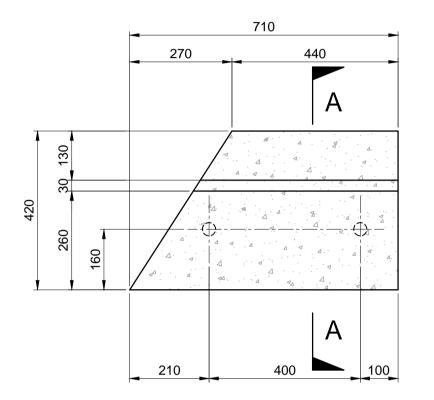
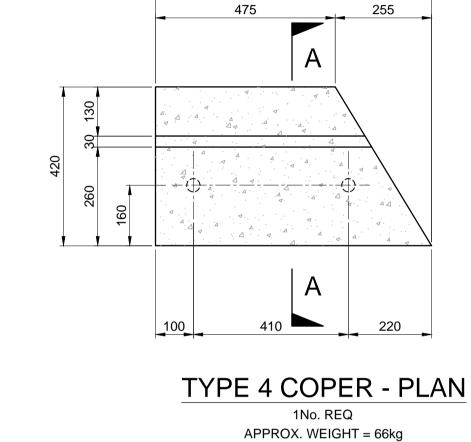


TYPE 1 COPER - PLAN 33No. REQ APPROX. WEIGHT = 81kg SCALE 1:10





SCALE 1:10



820

1No. REQ

APPROX. WEIGHT = 75kg

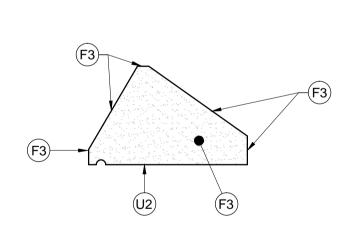
SCALE 1:10

730

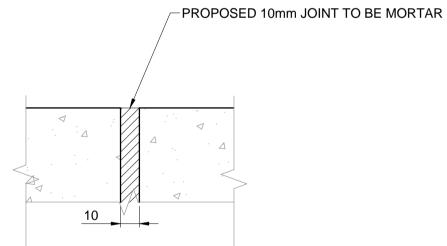
SCALE 1:10

270

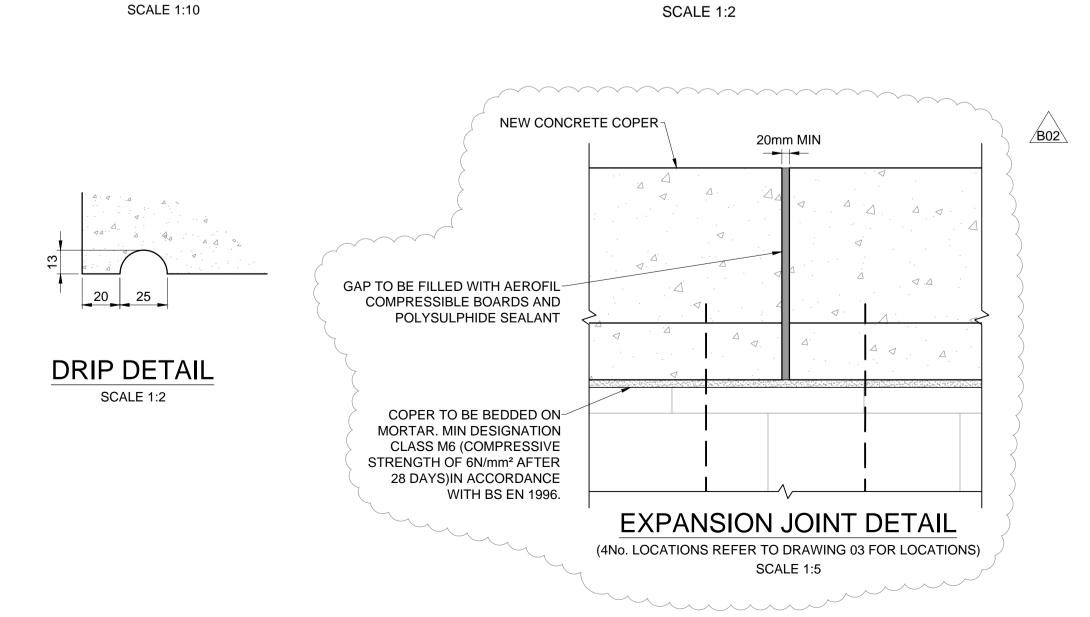
550

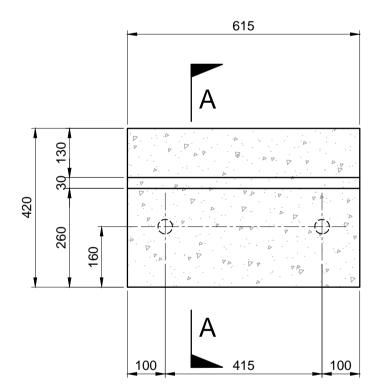






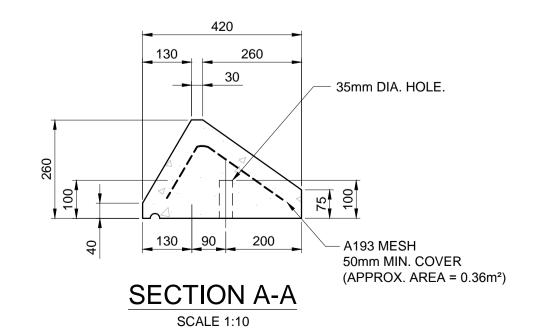
JOINT DETAIL

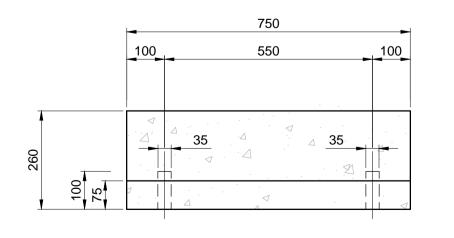




TYPE 5 COPER - PLAN

1No. REQ APPROX. WEIGHT = 66Kg SCALE 1:10





ELEVATION B-B SCALE 1:10

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- 2. DO NOT SCALE FROM THIS DRAWING.
- 3. THIS DRAWING IS BASED ON AVAILABLE NETWORK RAIL RECORD INFORMATION AND A DIMENSIONAL SURVEY.
- 4. THE CONTRACTOR SHALL CONFIRM ALL DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION.
- 5. A 40N/mm² NON-SHRINK CEMENTITIOUS GROUT IS TO BE USED FOR THE DOWEL BARS IN ACCORDANCE WITH THE
- MANUFACTURERS RECOMMENDATIONS. STRUCTURAL CONCRETE REQUIREMENTS ARE AS FOLLOWS: BS EN206-1-2000.

MAX STRENGTH CLASS - LC40/44. AGGREGATE SIZE - 20mm. CEMENT - 360kg/m³. MAX W/C RATIO - 0.45. DENSITY CLASS 1.6

TARGET DENSITY - 1550kg/m³

BS EN8500-1-2006.

BS EN8500-2-2006.

NEW MATERIAL TO MATCH EXISTING IN COLOUR AND FEATURE AS MUCH AS PRACTICABLY POSSIBLE.

RESIDUAL RISKS 🛕

- 1. INJURY FROM MANUAL HANDLING
- 2. INJURY DUE TO WORKING AT HEIGHT
- 3. INJURY DUE TO WORKING WITH POWER TOOLS
- 4. WORKING WITH CEMENTITIOUS PRODUCTS CAUSING BURNS
- 5. OLE BELOW STRUCTURE

B02	06/05/15	SECOND ISSUE	RD	RB	TC			
B01	18/12/15	FIRST ISSUE	ΕT	RB	TC			
Rev	Date	Description of Revisions	Drawn	Chkd	Appr			
Status								

F003 - DETAILED DESIGN

Infrastructure Projects Buildings & Civils Civils Design Group Manchester Square One 4 Travis Street Manchester Tel: 0161 880 3936



LIVERPOOL TO MANCHESTER DSE LINE **ELECTRIFICATION WORKS**

Drawing Title

DSE/39 QUEENS DRIVE OFF SLIP PROPOSED DETAILS (AREA 1 - WEST PARAPET)

Designer		i Signea		Date	
	R. TURNER		Low	18.12.2015	
Drawn		Signed	T -T	Date	
	E. THOMPSON		K. Thanpson	18.12.2015	
Checked		Signed	P-	Date	
	R. BRINDLEY		KTJB	18.12.2015	
Approved		Signed	601 11	Date	
L	T. CHEETHAM		4 Cherth	18.12.2015	
Scale(s) a	t A1 Sheet Size A1 594 x 841	ELR & Mileage			

AS SHOWN ELR: DSE 3m 0480yds

LNW-124384-ECV-DRG-IAB-DSE-39-04 | B02 |