TO BE READ IN CONJUNCTION WITH DRAWINGS:

TRAN01-GRF-R1-MER-DDR-C-CV-502101
TRAN01-GRF-R1-MER-DDR-C-CV-502201
TRAN01-GRF-R1-MER-DDR-C-CV-502301
TRAN01-GRF-R1-MER-DDR-C-CV-502401
TRAN01-GRF-R1-MER-DDR-C-CV-502501
TRAN01-GRF-R1-MER-DDR-C-CV-502602
TRAN01-GRF-R1-MER-DDR-C-CV-502603

NOTES:

ALL NEW STEEL WORK TO BE S355J2 UNO.
ALL WELDS TO BE 6mm FW CONTINUOUS UNO.
NEW STEEL TO BE PAINTED USING N4 SYSTEM. COLOUR TO BE CONFIRMED BY CLIENT/LOCAL AUTHORITY.
WHERE EXISTING STEELWORK IS TO BE OVERLAIN WITH PARAPET EXTENSION COMPONENTS, AREAS OF DAMAGED CORROSION PROTECTION SHALL BE PREPARED BY ADDING M24 MAINTENANCE SYSTEM.

AT STEEL: STEEL INTERFACES, AN AREA 50x50mm AROUND BOLT LOCATION TO BE LEFT UNPAINTED TO PROVIDE CONTINUITY FOR EARTHING.

ALL BOLTS TO BE GRADE 8.8 UNO.
ALL BOLTS THAT ARE NOT TCB/FRICTION GRIP OR INTO HOLLOW SECTIONS TO HAVE LOCKING NUTS
ALL FIXING ON PUBLIC FACE TO BE SECURITY/TAMPER PROOF.

ALL BLIND/HOLLO BOLTS TO ENSURE SEAL AGAINTS MOISTURE INGRESS TO JOINTS AND HOLLOW SECTIONS.

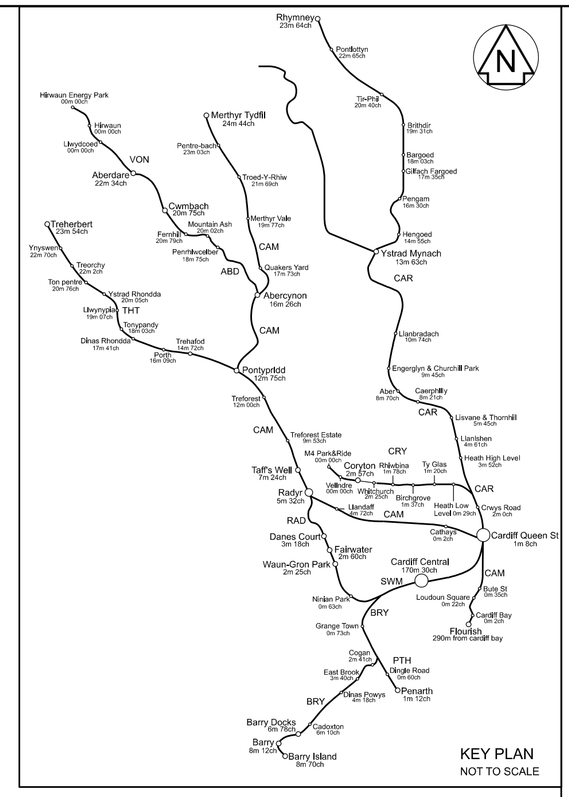
GRP SHEETS ARE TO BE LAID WITH THE STRONG/LONGITUDINAL DIRECTION VERTICALLY & PERPENDICULAR TO BRIDGE AXIS OR AS SHOWN. MECHANICAL PROPERTIES SHALL BE MINIMUM:

	LONGITUDINAL	TRANSVERSE
ULTIMATE TENSILE STRESS	138N/mm2	52N/mm2
ULTIMATE COMPRESSIVE STRESS	165N/mm2	107N/mm2
ULTIMATE FLEXURAL STRESS	165N/mm2	90N/mm2
ULTIMATE BEARING STRESS	220N/mm2	220N/mm2

GRP MUST HAVE 25 YEAR MAINTENANCE FREE LIFESPAN.
FINISHES (PAINT AND GRP) TO HAVE GRAFFITI RESISTANT COATING.

PARAPETS TO RECEIVE HAZARD WARNINGS FOR ELECTRIFIED LINES BELOW.

CONTRACTOR TO CARRY OUT FABRICATION SURVEY & VERIFY DIMENSIONS ON SITE PRIOR TO ORDERING MATERIALS.



LEGEND:

- EXISTING OR UNCHANGED
- NEW OR ADDITIONAL ELEMENTS
- REDUNDANT OR TO BE REMOVED
- MODIFIED OR TO BE MOVED
- BY OTHERS

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
P01.1	---	First Issue	HR	---	---

Status: Initial non-contractual code
Suitability: S0

TRAFNIDIAETH CYMRU
TRANSPORT FOR WALES

amey
SEILWAITH
INFRASTRUCTURE

Authorised	---	Signed: Authorised by eSign	Date: ---
Contractor(s)	Alun Griffiths		
Asset Location			
Sub-Asset	TRAN01		
Type	CAD drawings	Sub-Type: DDR	
Role	C	Sub-Role: CV	
Location Zone	MER	Plan of Work Stage: C	
Project	TRAN01 - CVL Transformation		
Route Section Group	Route Section Group 1		
Route Section	Merthyr Branch		
Drawing Title	QSS Parapet Extensions General Notes		
Designed	---	Signed: Designed by eSign	Date: ---
Drawn	H.Rubio	Signed: Drawn by eSign	Date: 20/10/22
Checked	---	Signed: Checked by eSign	Date: ---
Approved	---	Signed: Approved by eSign	Date: ---
Scale(s)	AS SHOWN	ELR & Mileage: CAM From 16M 062ch To 23M 050ch	
Alternative Reference		Sheet	
Drawing Number	TRAN01-GRF-R1-MER-DDR-C-CV-502001	Revision: P01.1	

Sheet Size A1 594 x 841