

DRAWING NOTES

1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH DRAWING 10755-001.

SAFETY HEALTH & ENVIRONMENTAL	
	SIGNIFICANT DESIGNER IDENTIFIED HAZARDS
REF	HAZARD
A	PROPOSED STRUCTURE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AS FAR AS IS REASONABLY PRACTICABLE. APPROVAL AND RELEVANT DEROGATIONS TO BE SOUGHT AND APPROVED.
B	WORKING ADJACENT TO RAILWAY. WORK AT HEIGHT AND LIFTING OPERATIONS. WORKS ON OR NEAR THE LINE TO BE UNDERTAKEN IN ACCORDANCE WITH NETWORK RAIL WORK PROCEDURES.
C	DEMOLITION OF EXISTING STRUCTURE. CONTRACTOR TO DESIGN NECESSARY TEMPORARY WORKS AND DETERMINE SAFE DEMOLITION SEQUENCE & LIFTING PLAN FOR EXISTING STRUCTURE.
D	CONDITION OF EXISTING TRESTLES. ADDITIONAL STRENGTHENING/RENEWAL OF SUBSTRUCTURES TO BE IMPLEMENTED PRIOR TO INSTALLATION OF NEW MAIN SPAN.
E	CONDITION OF EXISTING FOUNDATIONS. RENEWAL OF FOUNDATIONS TO BE IMPLEMENTED PRIOR TO INSTALLATION OF NEW MAIN SPAN.
F	EXISTING SERVICES. SERVICES TO BE IDENTIFIED, TRACED AND ISOLATED AND TEMPORARILY SUPPORTED PRIOR TO WORKS. SUITABLE PROTECTION MEASURES TO BE UNDERTAKEN BY CONTRACTOR PRIOR TO INSTALLATION.
G	EXISTING STAIRS AND LANDING PARAPETS TO BE TEMPORARILY SUPPORTED OR REMOVED DURING WORKS. SEE TEMPORARY WORKS SUBMISSION FOR DETAILS.
H	RAIL IMPACT LOADS DUE TO STRUCTURE CLEARANCE. RESIDUAL RISK.
I	LIFTING POINTS DESIGNED FOR VERTICAL LOADS ONLY. LIFTING BEAMS TO BE UTILISED TO ENSURE VERTICAL LOADING APPLIED TO LIFTING POINTS DURING LIFTING PROCEDURES.
J	STAIR RISER HEIGHTS. MAY NOT BE POSSIBLE TO ACHIEVE UNIFORM & COMPLIANT RISERS ON LOWER CONCRETE STEPS WHERE PLATFORM LEVEL DICTATES AND TOP STEP WHERE EXISTING TRESTLE DICTATES RISER HEIGHT AND TREAD LENGTH.
K	TIMBER TREAD SLIP RESISTANCE TO BE TESTING IN ACCORDANCE WITH SPECIFICATION NOTE PRIOR TO FABRICATION. TEST RESULTS TO BE PROVIDED TO NETWORK RAIL.
L	GEOTECHNICAL PARAMETERS TO BE VERIFIED PRIOR TO UNDERTAKING WORKS. POSSIBLE GROUND REMEDIATION/FOUNDATION REDESIGN REQUIRED SHOULD VALUES LISTED NOT BE ACHIEVED.

FORM B

REV	AMENDMENT	DRN	CHK	APP	DATE
D	FORM B (4) ISSUE	NR	BTB	BTB	06.10.23
C	FORM B (3) ISSUE	NR	BTB	BTB	22.02.23
B	FORM B (2) ISSUE	NR	SC	BTB	15.12.22
A	FORM B (1) ISSUE	NR	SC	BTB	18.03.22



CLIENT

DYER & BUTLER

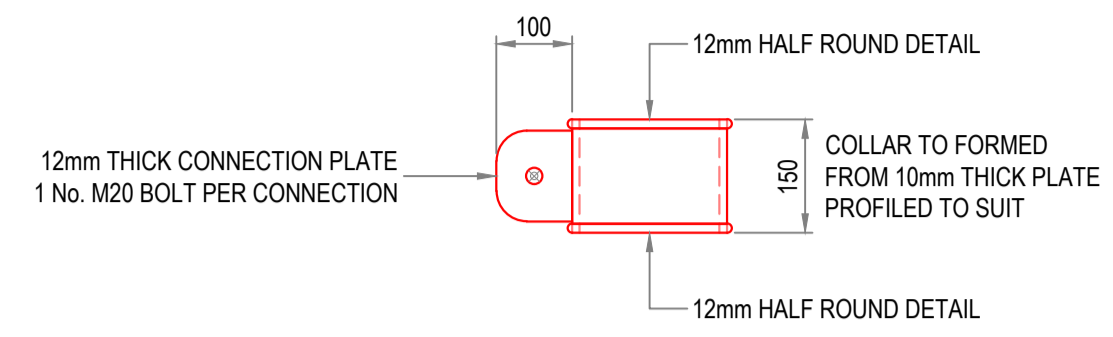
PROJECT TITLE

**BRADING STATION FOOTBRIDGE
ELR - IOW
STRUCTURE No. EW1/25
MILEAGE - 4m 1166yds**

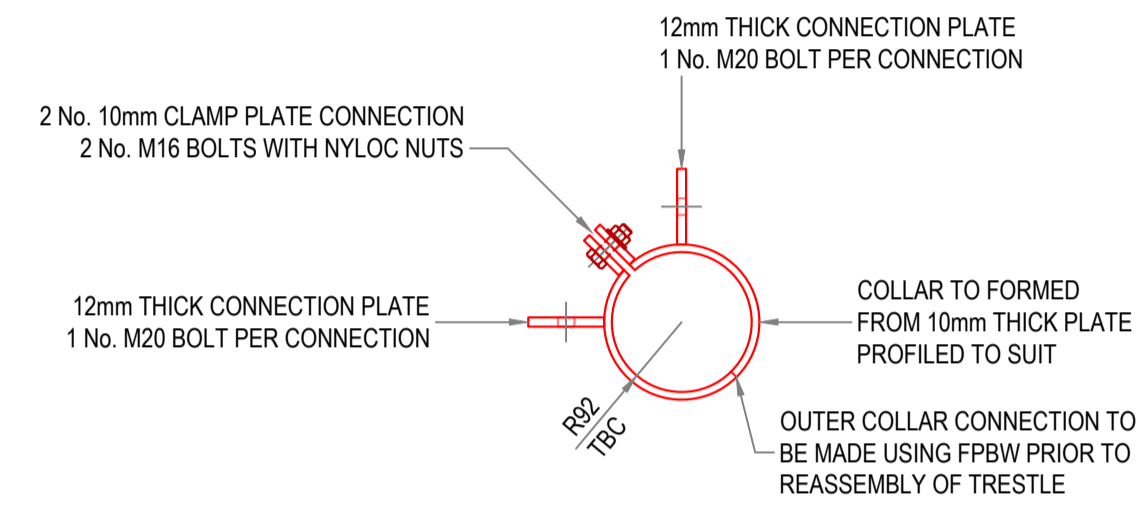
DRAWING TITLE

**PROPOSED TRESTLE
STRENGTHENING FRAME**

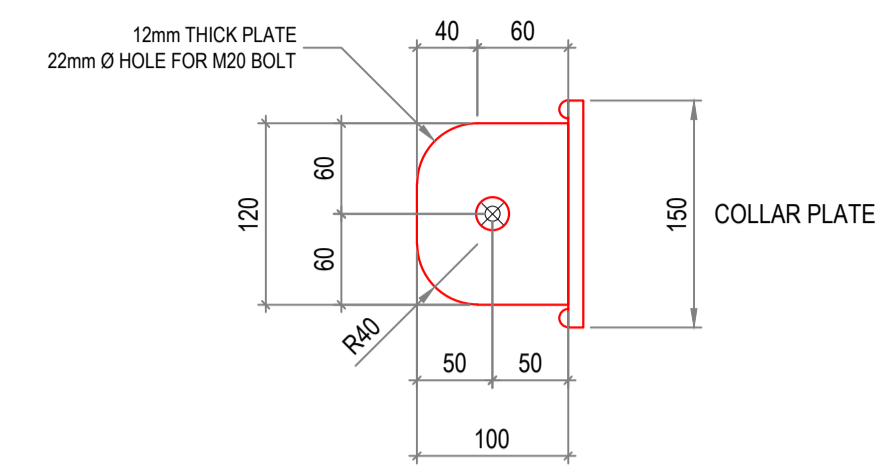
DRAWN	CHK	APP	DATE	SCALE
NR	SC	BTB	FEB 22	AS SHOWN AT A1
JOB NUMBER		DRAWING NUMBER		REVISION
10755		107		D



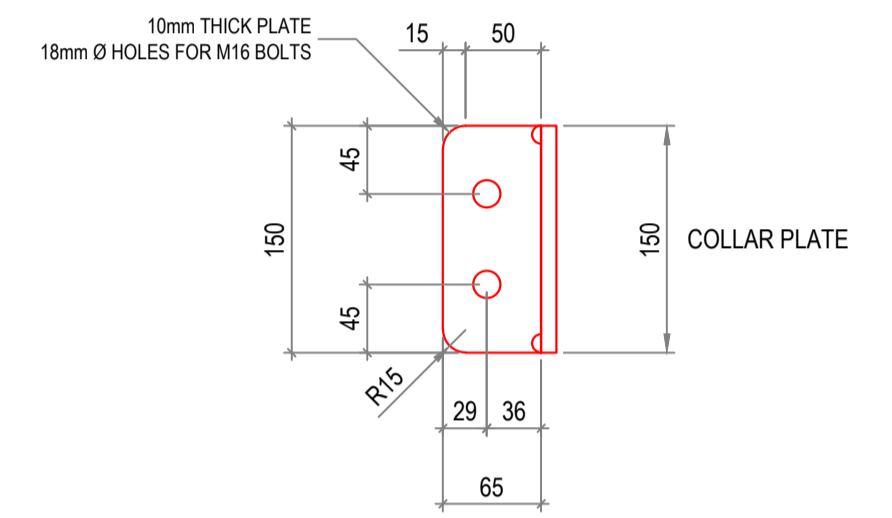
COLLAR - ELEVATION
SCALE 1:10



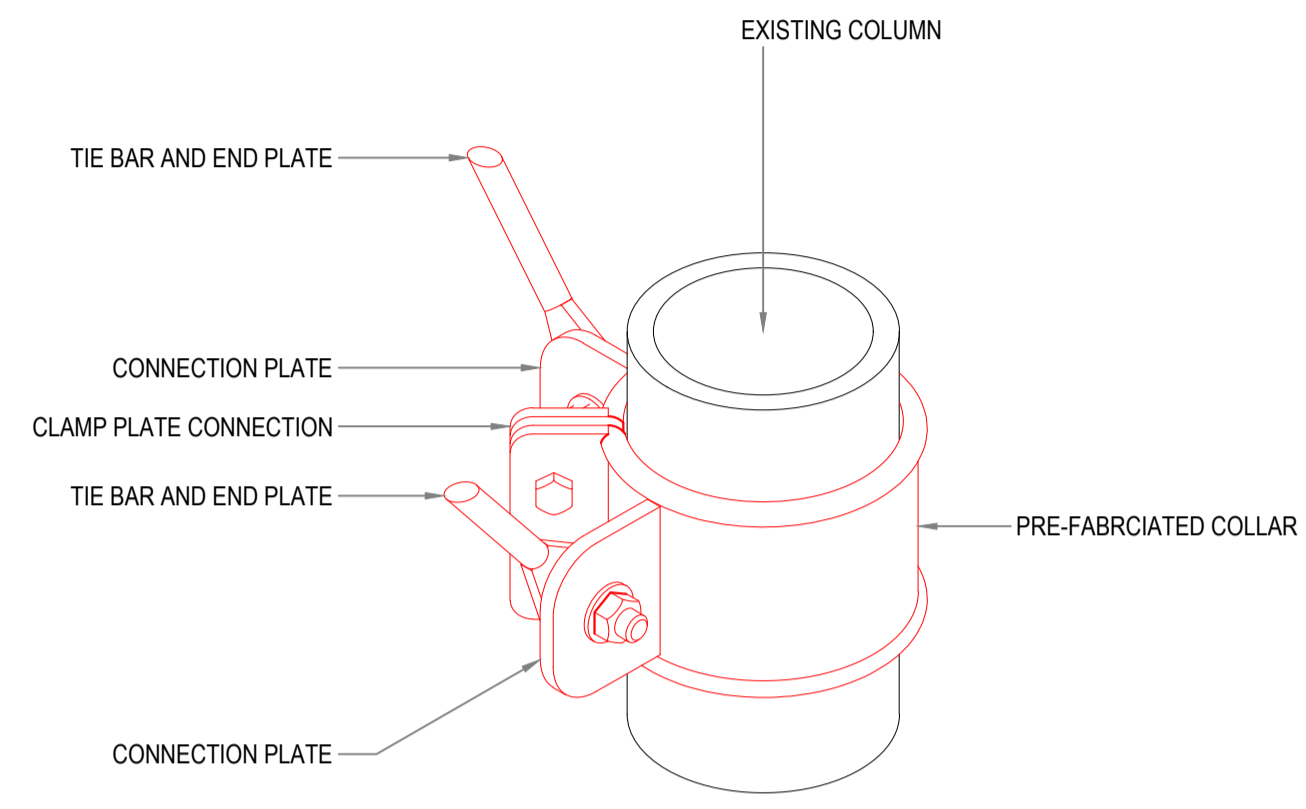
COLLAR - PLAN DETAIL
SCALE 1:10



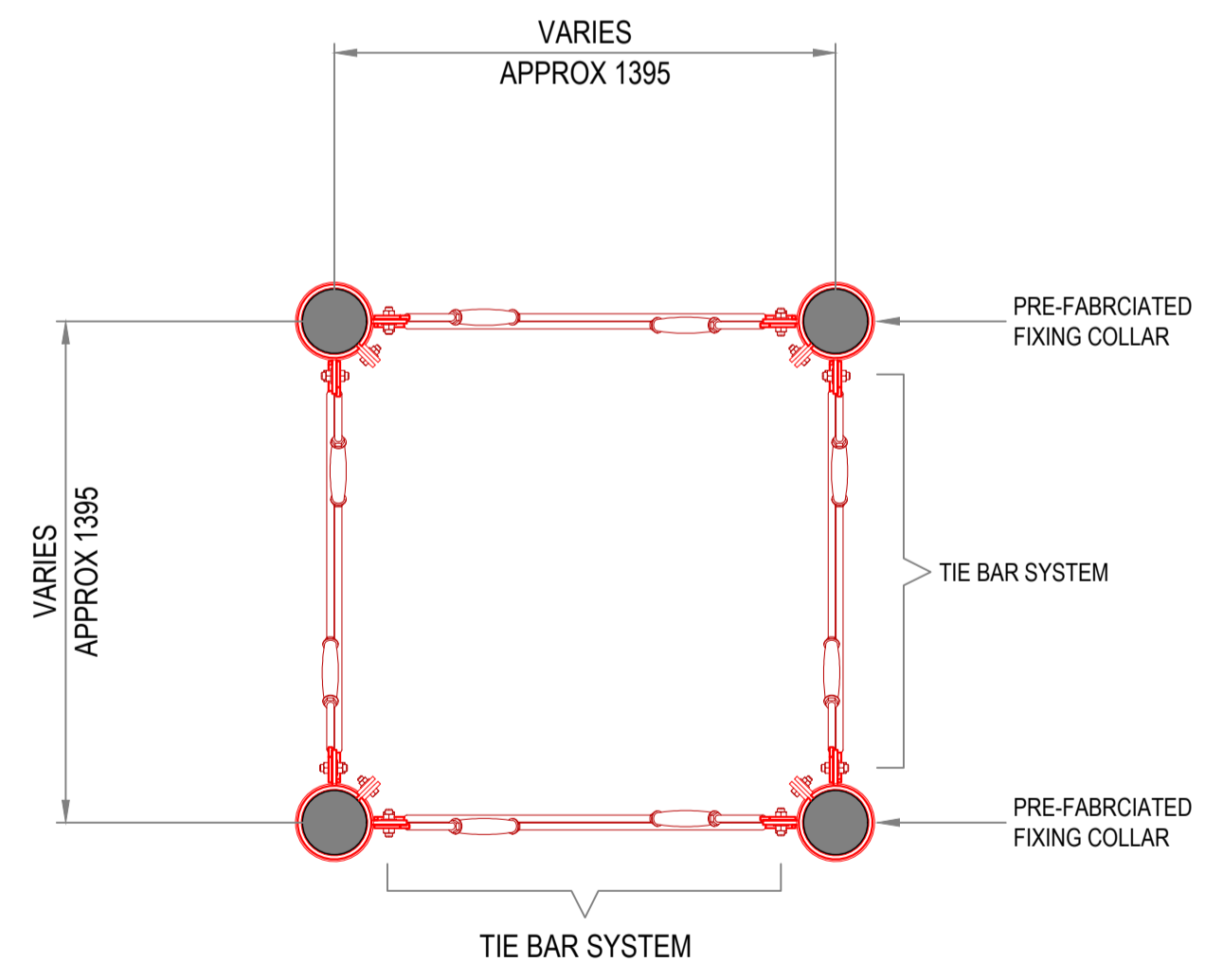
CONNECTION PLATE DETAIL
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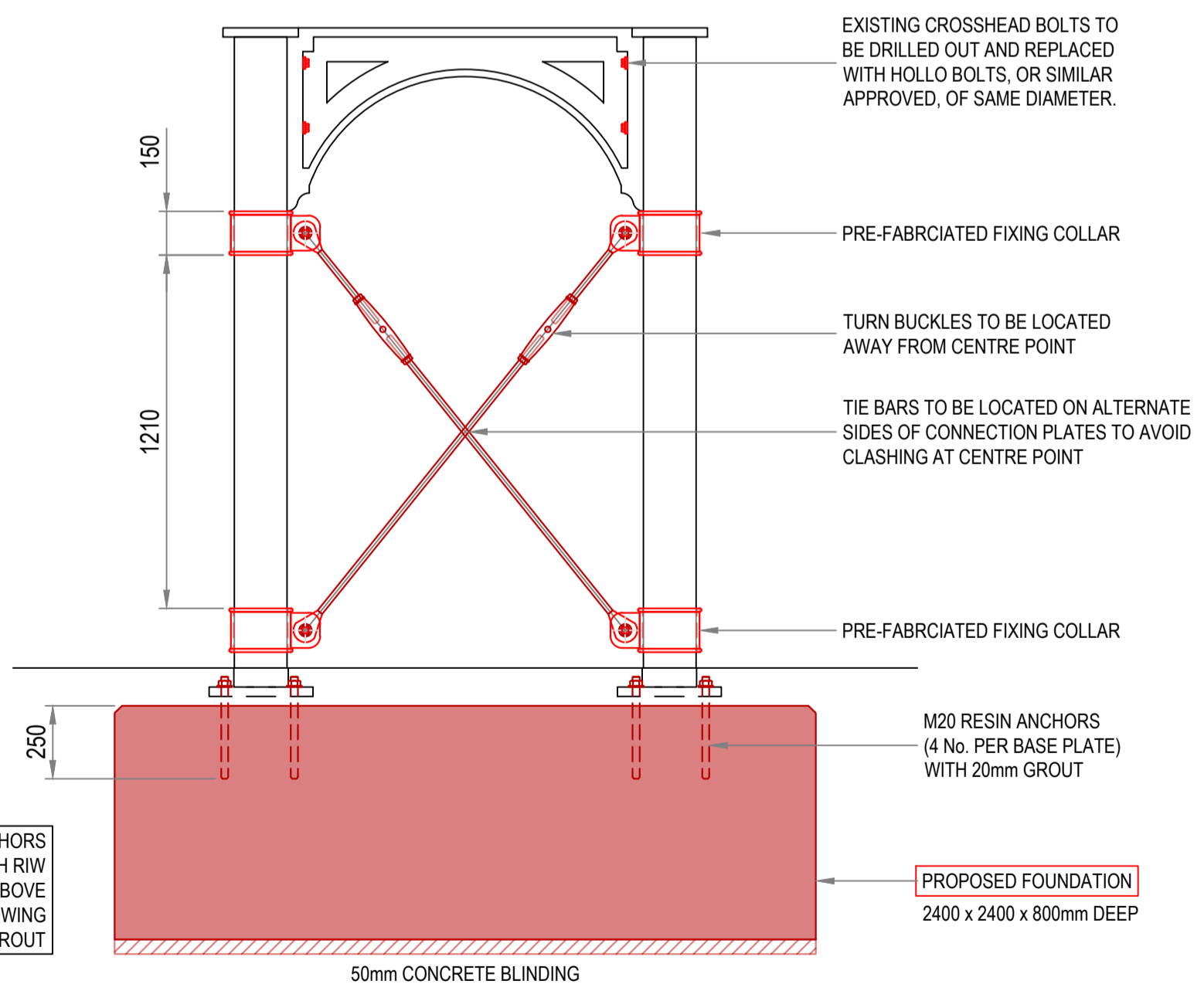
CLAMP PLATE DETAIL
SCALE 1:5



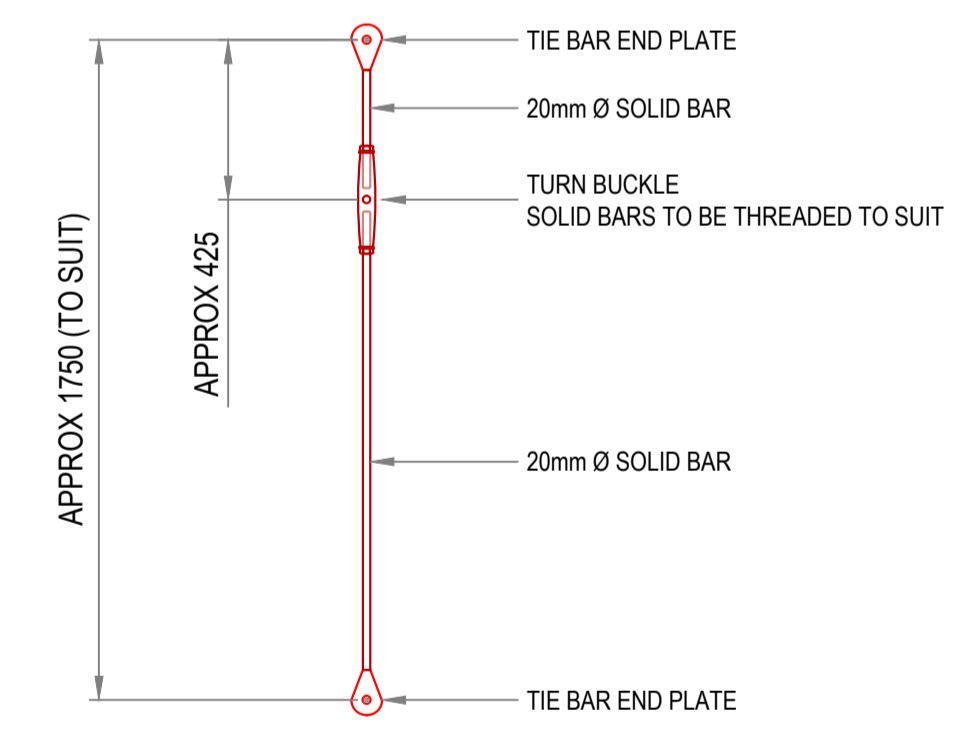
COLLAR DETAIL - ISO
SCALE N.T.S.



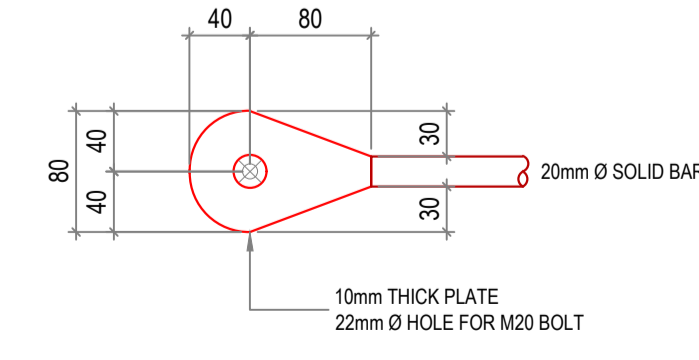
PLAN DETAIL
SCALE 1:20



NEW FRAME DETAILS
SCALE 1:20



TIE BAR DETAIL
SCALE 1:20



TIE BAR END PLATE DETAIL
SCALE 1:5

STANCHIONS, BRACING & ANCHORS TO BE PROTECTED WITH RIW TOUGHSEAL TO EXTEND 50mm ABOVE GROUND LEVEL FOLLOWING INSTALLATION AND CURING OF GROUT

SOFT SPOT / VOIDS IN EXISTING GROUND TO BE REMOVED / FILLED WITH A WELL COMPACTED TYPE 1 FILL IN ACCORDANCE WITH MCHW 800

FOR PROPOSED REINFORCEMENT SEE DRAWING 110



TRESTLE STRENGTHENING CRITERIA

- SHOULD ANY OF THE BELOW CONDITIONS NOT BE MET THEN NEW STEEL TRESTLE OPTION TO BE IMPLEMENTED AS PER DWG 10755-108.

EXISTING ELEMENT CONDITION:

- CONDITION OF EXISTING TRESTLES TO BE REVIEWED BY SUITABLY QUALIFIED PERSON FOLLOWING REMOVAL AND CLEANING. SIGNIFICANT DEFECTS OBSERVED TO BE REPORTED TO DESIGNER AND NETWORK RAIL TO CONFIRM SUITABILITY OF REUSE.

PROPOSED CONNECTIONS TO BE TESTED FOR SUITABILITY:

- REPLACEMENT CROSSHEAD BOLTS TO ACHIEVE MINIMUM 20kN TENSILE LOAD RESISTANCE. BOLTS TO BE PULL TESTED PRIOR TO FABRICATION OF STRENGTHENING.
- SLIP RESISTANCE OF COLLARS TO BE TESTED TO 18.1kN.