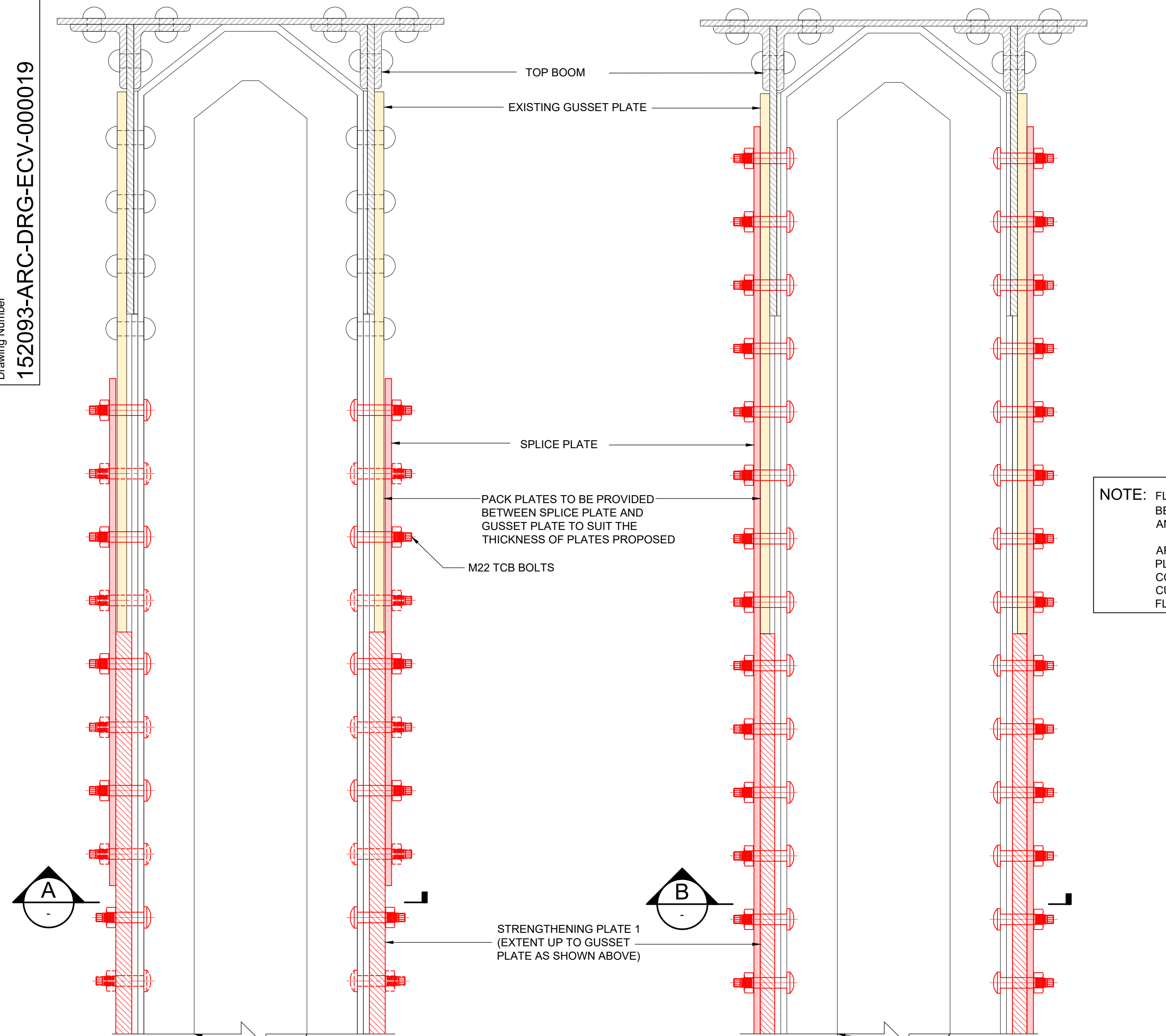
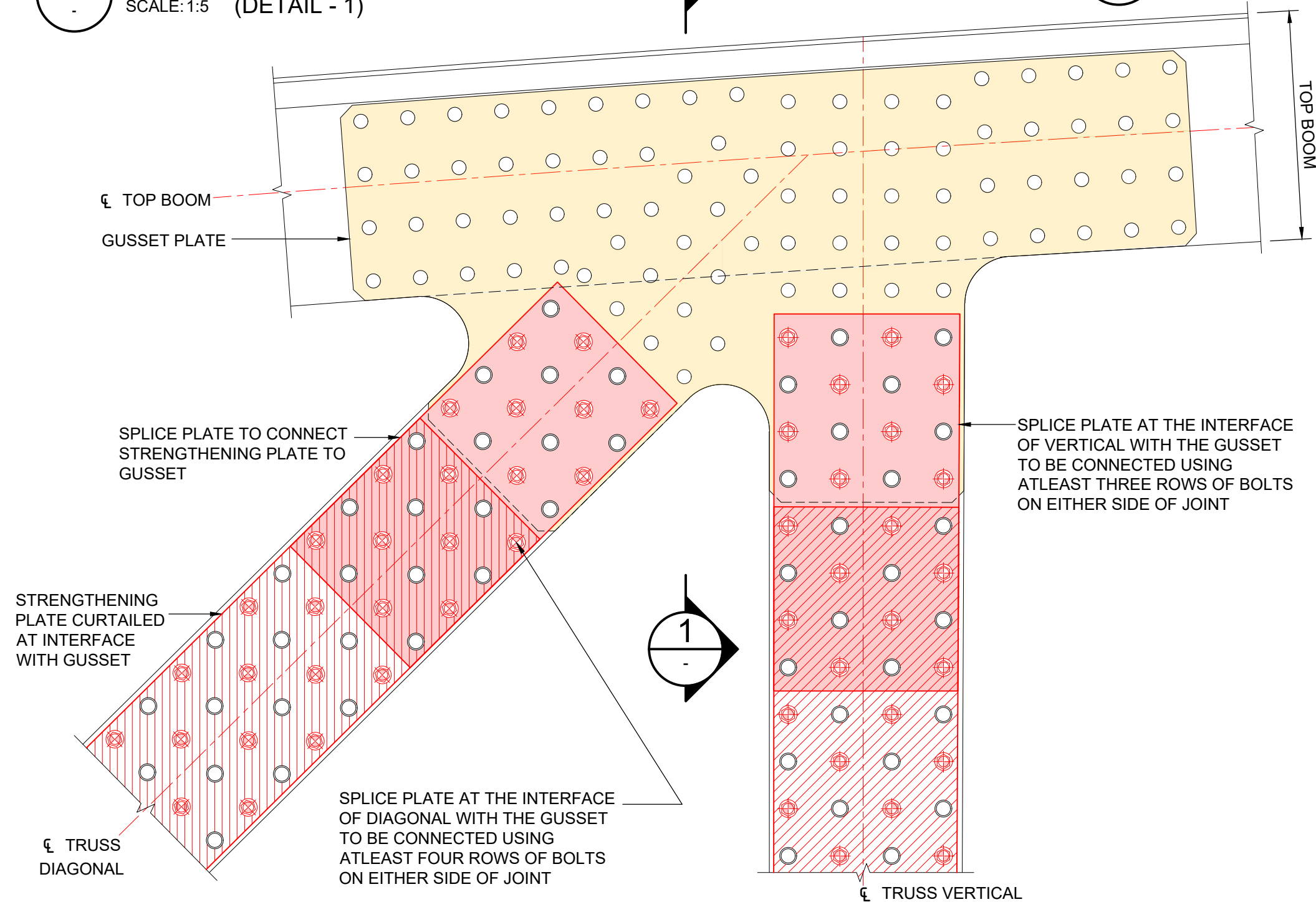




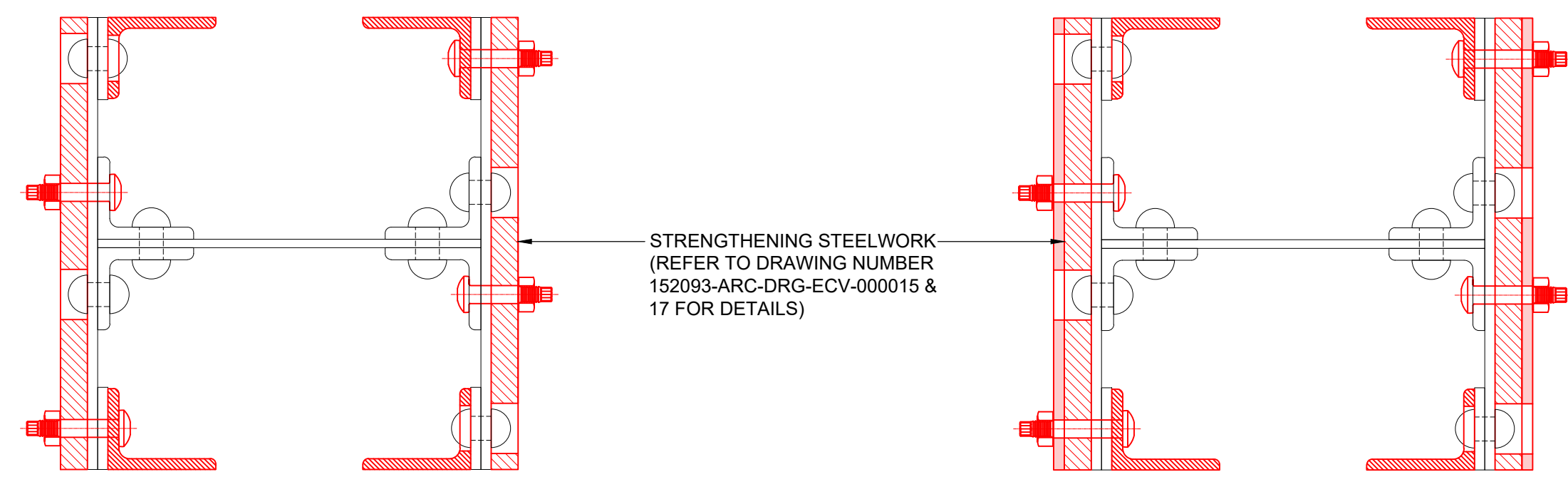
1 SIDE ELEVATION OF SPLICING
SCALE: 1:5 (DETAIL - 1)

2 SIDE ELEVATION OF SPLICING
SCALE: 1:5 (DETAIL - 2)



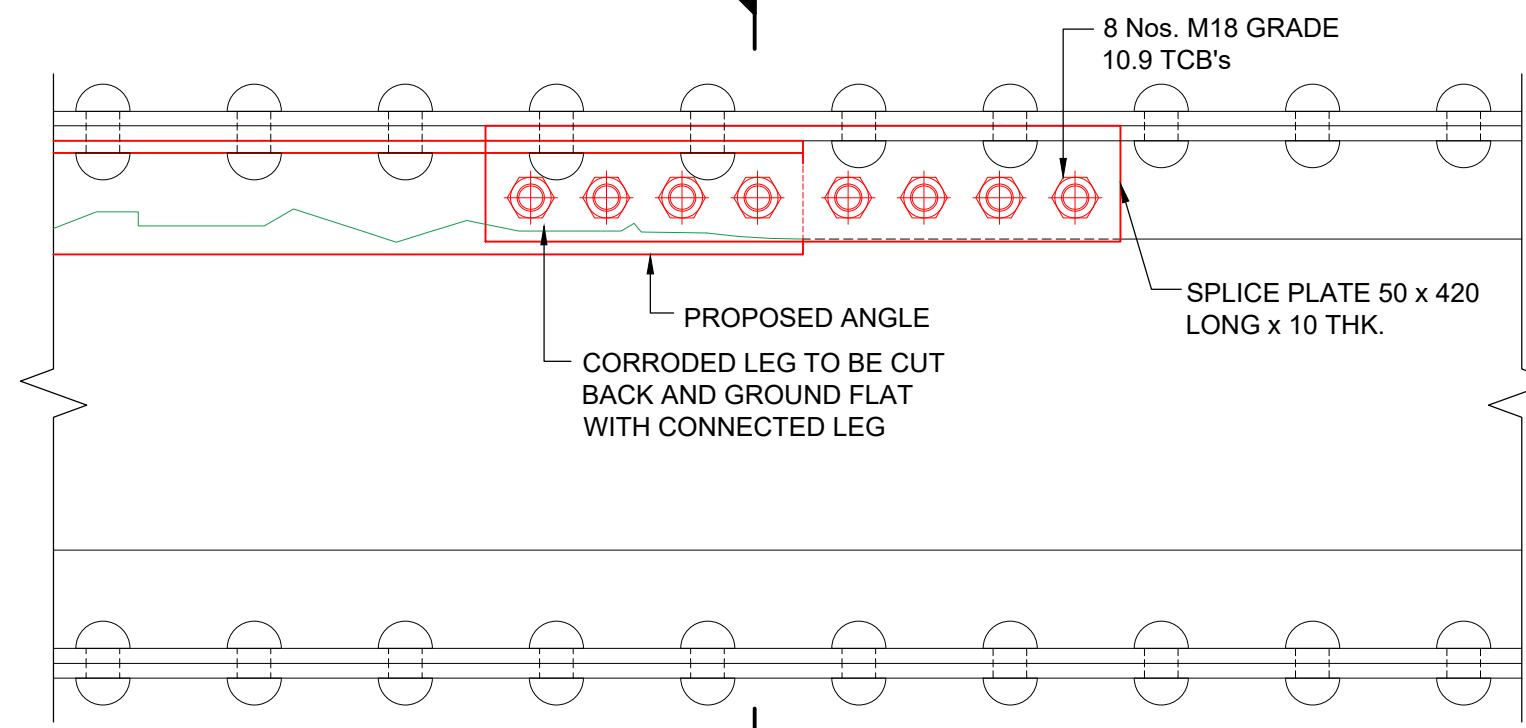
TYPICAL DETAIL -1
SCALE: 1 : 10

(WHERE SINGLE STRENGTHENING PLATE IS PROPOSED TO FLANGE OF TRUSS VERTICAL / DIAGONAL)

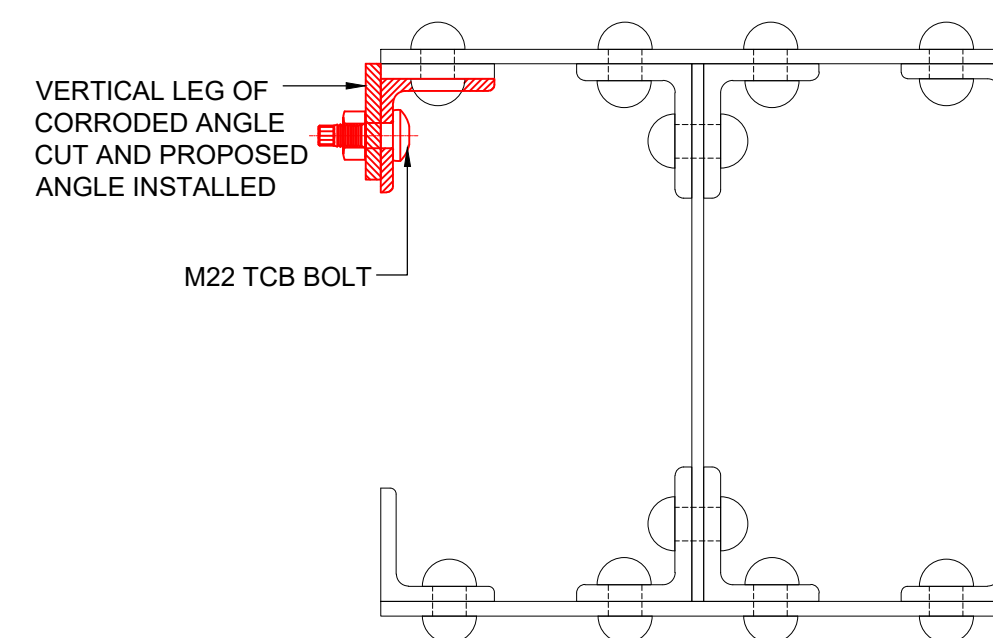


A SECTION
SCALE: 1:5

B SECTION
SCALE: 1:5



SPLICING OF PROPOSED / STRENGTHENING ANGLE WITH EXISTING ANGLE
1 : 5

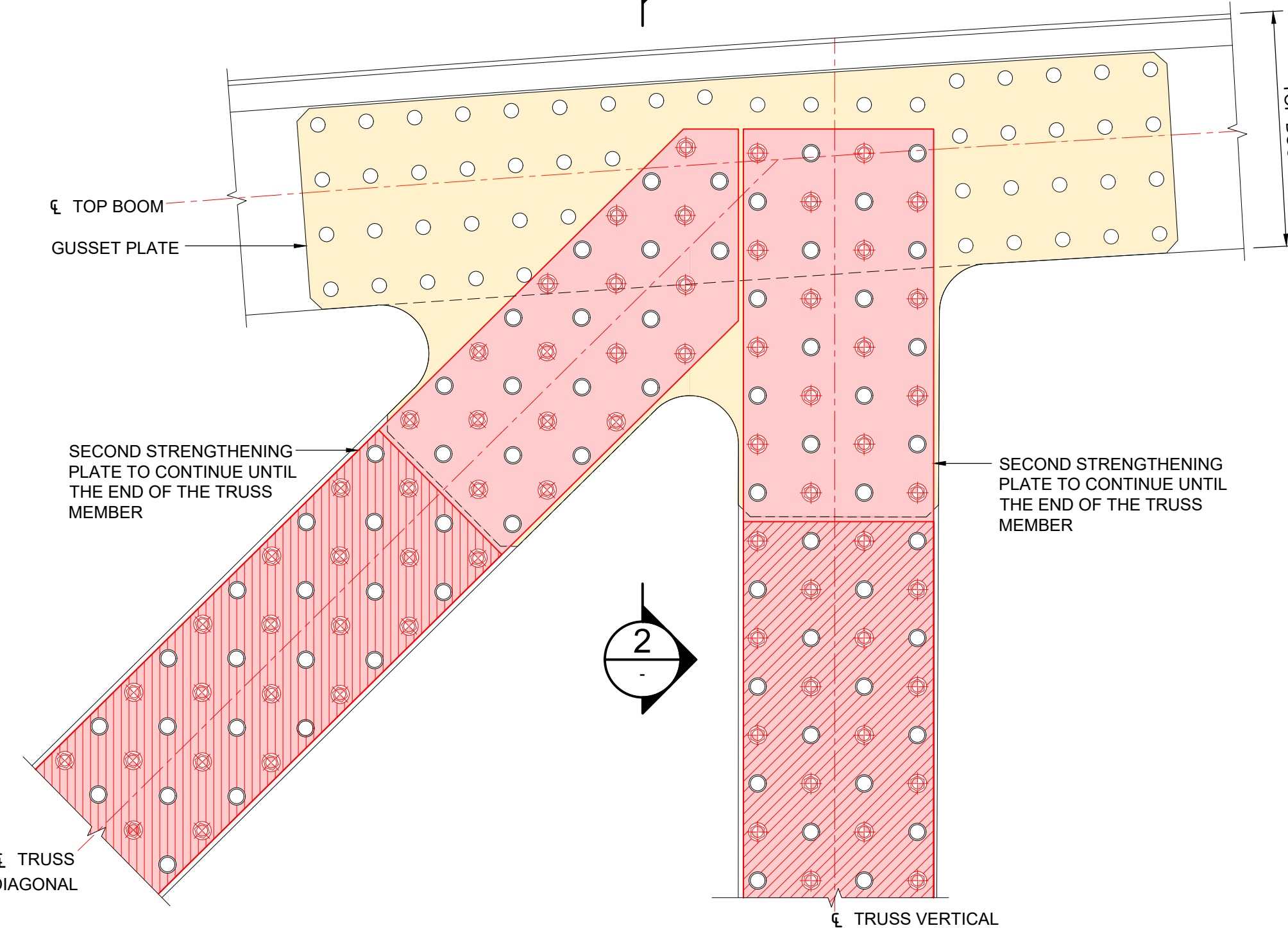
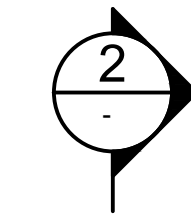


NOTE:- FAYING SURFACE SHALL BE BLAST CLEANED METAL SPRAYED TO PROVIDE A SLIP FACTOR OF 0.4 (CLASS B IN BSEN 1090-2 TABLE 17)

STEEL SPECIFICATION:-

- STEEL TO BE IN ACCORDANCE WITH BS EN 10025.
- ALL BOLTS TO BE TCBs CLASS HRC 10.9 TO BS EN 14399-10 UNLESS OTHERWISE STATED.
- STEELWORK SHALL COMPLY WITH BS EN 1090-2 FOR EXECUTION CLASS EXC3 AND TOLERANCE CLASS 2.
- ALL NEW STEELWORK TO BE S275 J2.
- ALL NEW STEELWORK TO BE COATED WITH N4 PROTECTIVE PAINT SYSTEM IN ACCORDANCE WITH NR/L3/CIV/039.

C SECTION
SCALE: 1:5



TYPICAL DETAIL -2
SCALE: 1 : 10

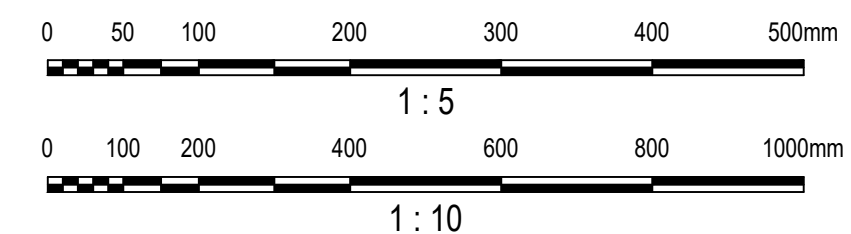
(WHERE TWO STRENGTHENING PLATES ARE PROPOSED TO FLANGE OF TRUSS VERTICAL / DIAGONAL)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES ADD UNLESS NOTED OTHERWISE.
- DO NOT SCALE OFF THIS DRAWING, USE FIGURED DIMENSIONS ONLY.
- THE AS-BUILT SECTIONS WITH ASSESSMENT CATEGORY WORSE THAN A2 HAVE BEEN STRENGTHENED AS PER THE PROPOSAL ON THIS DRAWING IN ACCORDANCE WITH CLAUSE 7.2 OF NR-L3-CIV-020.
- OVERPLATE DIMENSIONS TO BE CONFIRMED BY THE GRIP5-8 CONTRACTOR VIA TEMPLATING ON SITE, PRIOR TO FABRICATION.
- RIVETS ARE NOT TO BE REMOVED, OTHER THAN THOSE INDICATED IN THE DRAWINGS - RIVETS ARE TO BE REMOVED BY APPROVED MECHANICAL TECHNIQUES WITHOUT DAMAGE TO EXISTING STRUCTURE (SEE NR/CIV/TUM/800 FOR GUIDANCE) FOLLOWING THE RIVETS REMOVAL, THE RIVETS HOLES ARE TO BE REAMED OUT TO 24mm DIA. AND REPLACED WITH TEMPORARY BOLTS. RIVET REMOVAL WORKS MIGHT BE UNDERTAKEN OUTSIDE OF POSSESSION ON A "ONE IN, ONE OUT" BASIS.
- ALL AREAS TO RECEIVE REPAIR PLATES TO BE PREPARED TO BARE METAL. WHERE A FLAT SURFACE CAN'T BE ACHIEVED, DEVCON CHEMICAL METAL "A" OR SIMILAR APPROVED MUST BE USED TO LEVEL THE SURFACE.
- GUSSET PLATE THICKNESS ASSUMED TO BE 15mm.
- THE ANGLE SPLICE JOINT (CURTAILMENT POINT) SHOULD BE ATLEAST 500mm FROM THE FLANGE SPLICE JOINT (CURTAILMENT POINT).

LEGEND:-

- PROPOSED STRENGTHENING STEELWORK
- PROPOSED SPLICE PLATE / LAP PLATE
- EXISTING GUSSET PLATE
- XG1 - TYPICAL CROSS - GIRDER
- XG2 - CROSS - GIRDER OVER PIVOT (INTERMEDIATE) SUPPORT
- DENOTES NEW BOLT IN PRE DRILLED HOLE.
- DENOTES EXISTING RIVET TO BE LEFT IN PLACE.



Rev	Date	Description of Revisions	Drawn	Chkd	Appr
A01	24.04.2020	FOR FORM 001 REVIEW	K.S	B.K	J.L
Status					

FOR FORM 001 REVIEW

S3



Project:

RIVER NEATH SWING BRIDGE GRIP 4

Drawing Title:

ELEVATION DETAILS OF STRENGTHENING WORKS (SHEET 1 OF 2)

Designed	S. ALURU	Signed	S.A	Date	24.04.2020
Drawn	K. SRILEKHA	Signed	K.S	Date	24.04.2020
Checked	B. KING	Signed	B.K	Date	24.04.2020
Approved	J. LYNN	Signed	J.L	Date	24.04.2020
Scale(s)	AS SHOWN @ A1				
Alternative Reference	152093				
Drawing Number	152093-ARC-DRG-ECV-000019				
Sheet	1 of 2				
Revision	A01				