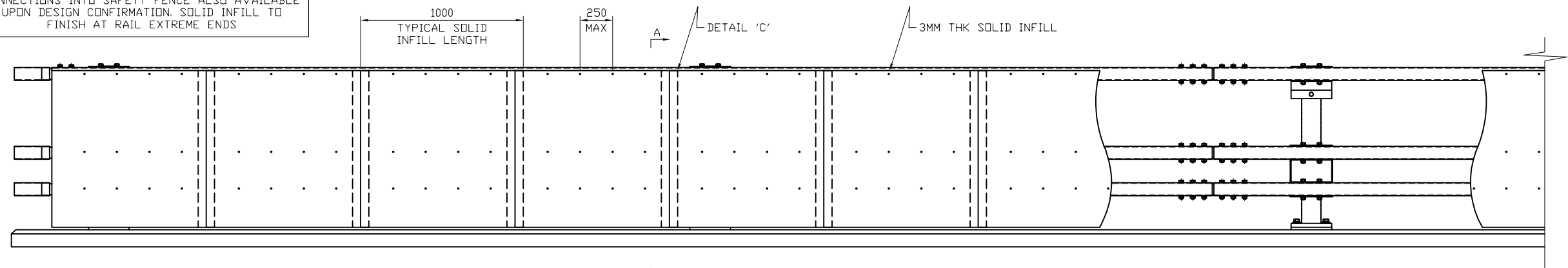
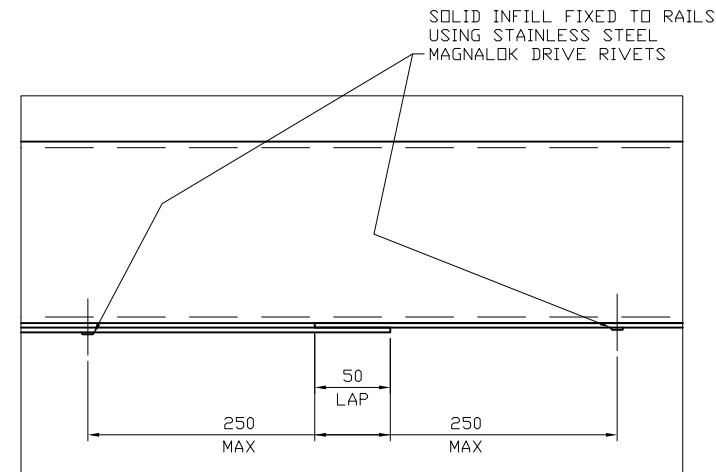


ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION. SOLID INFILL TO
FINISH AT RAIL EXTREME ENDS

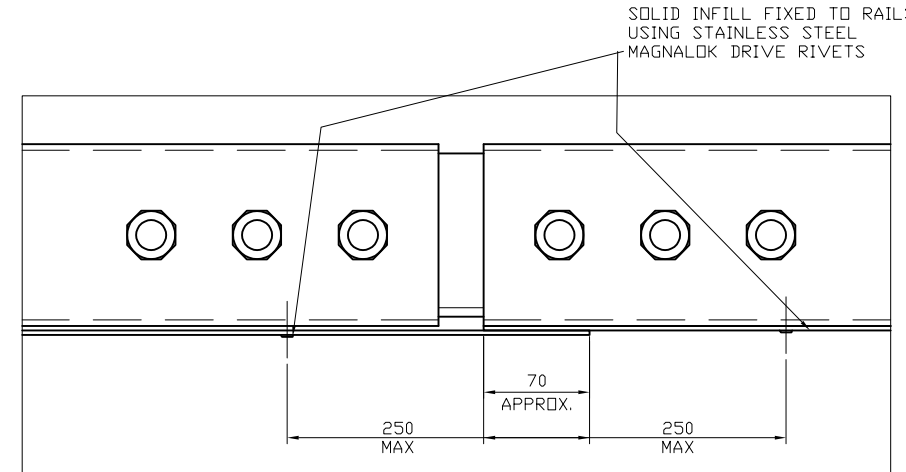


4No. RIVETS PER RAIL, PER PANEL AT MAX
250MM CENTRES

**ELEVATION ON TRAFFIC FACE
OF PARAPET**
SCALE: 1:30



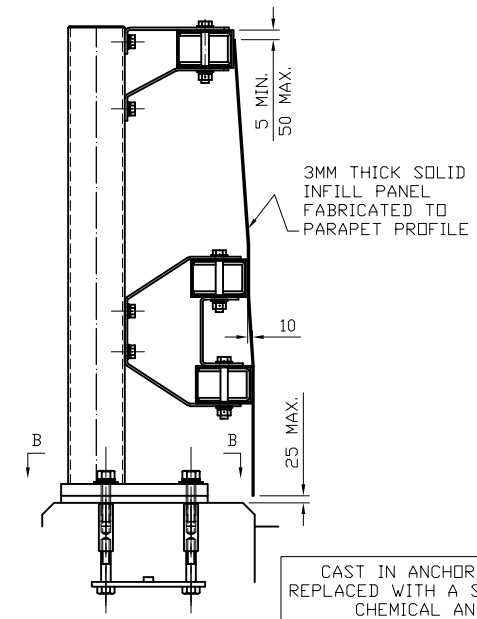
DETAIL 'C'
(TYPICAL PANEL LAP DETAIL)
SCALE: 1:5



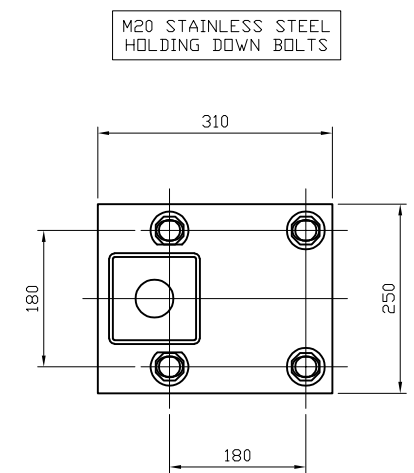
EXPANSION JOINT LAP DETAIL
SCALE: 1:5

- LOADING VALUES:
- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
 - CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

- GENERAL NOTES/SPECIFICATIONS:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. PARAPET HEIGHT & UPSTAND INDICATIVE ONLY. REFER TO CONTRACT SPECIFIC DETAILS.
 3. SOLID INFILL PANELS TO BE 1000LG X 3THK MILD STEEL AND GALVANISED. LENGTHS CAN BE SHORTER TO ENDS OF PARAPET & AT EXPANSION JOINT LOCATIONS IF REQUIRED.
 4. ALL HOLES CUT INTO THE HOLLOW SECTIONS ARE TO BE CLEAN CUT, NORMAL TO THE SURFACE & THE CORRECT SIZE FOR THE FIXINGS.
 5. ANY HOLES DAMAGED IN PREPERATION FOR RIVETS OR SELF TAPPING SCREWS MUST BE PLUGGED WITH OR REPLACED BY AN OVERSIZED RIVET OR SELF TAPPING SCREW C/W MASTIC WASHER.
 6. ANY VERTICAL EDGES OF PANELS AT EITHER THE ENDS OF THE PARAPET OR AT EXPANSION JOINT LOCATIONS THAT ARE 20MM OR MORE OUT OF VERTICAL TO BE CUT TO THE APPROPRIATE ANGLE & A TRIMMING WIRE TO BE WELDED ON.
 7. FOR MATERIALS WEIGHTS, REFER TO COMPONENT DRAWINGS



SECTION A-A
(PARAPET SECTION THROUGH)
SCALE: 1:16



SECTION B-B
(BASEPLATE DETAILS)
SCALE: 1:10

01	08/08/24	LOGO UPDATED & GENERAL DRAWING UPDATE	H.B
REVN.	DATE	REMARKS	SIG.

TITLE:-
GENERAL ARRANGEMENT
SAFEROAD SN2W1
VEHICLE PARAPET

SOLID INFILL DETAILS

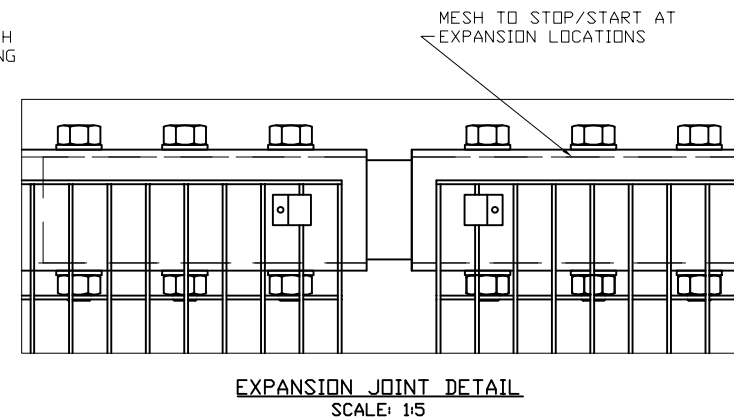
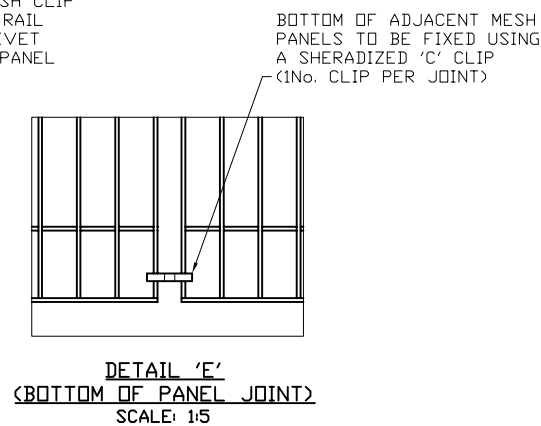
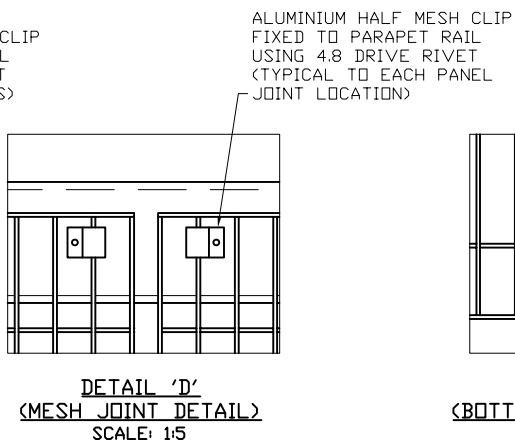
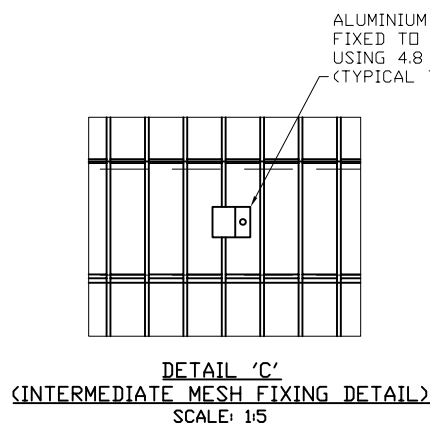
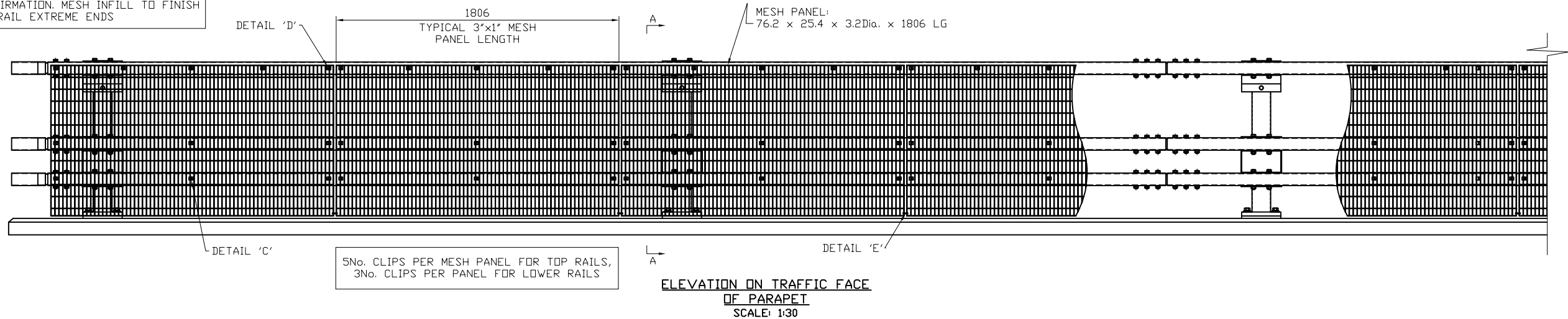
UK LTD
Concord House
Bessemer Way
Scunthorpe
North Lincolnshire, DN15 8XE
Tel: 01724 289119 Fax: 01724 281478

DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3
DATE:- 04/07/22	SCALE:- 1:30	APPROVED:-

DRG NO:- SN2W1-001-C1 REV:- 01

ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION. MESH INFILL TO FINISH
AT RAIL EXTREME ENDS

MESH PANELS TO BE EITHER: MILD STEEL
GALVANISED TO BS EN ISO 1461 OR
STAINLESS STEEL GRADE 304

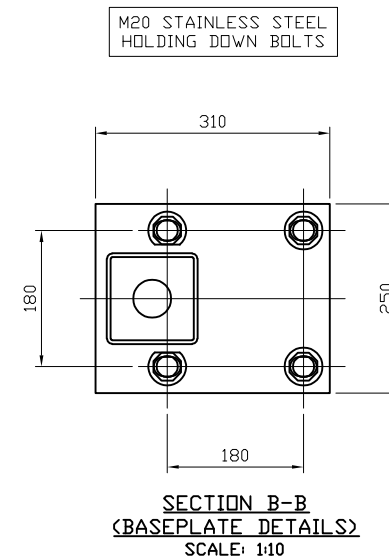
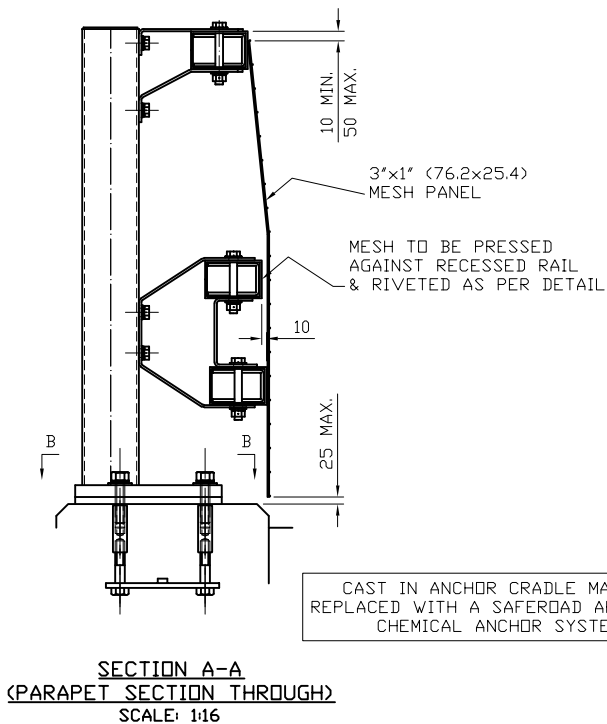


LOADING VALUES:

- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
- CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

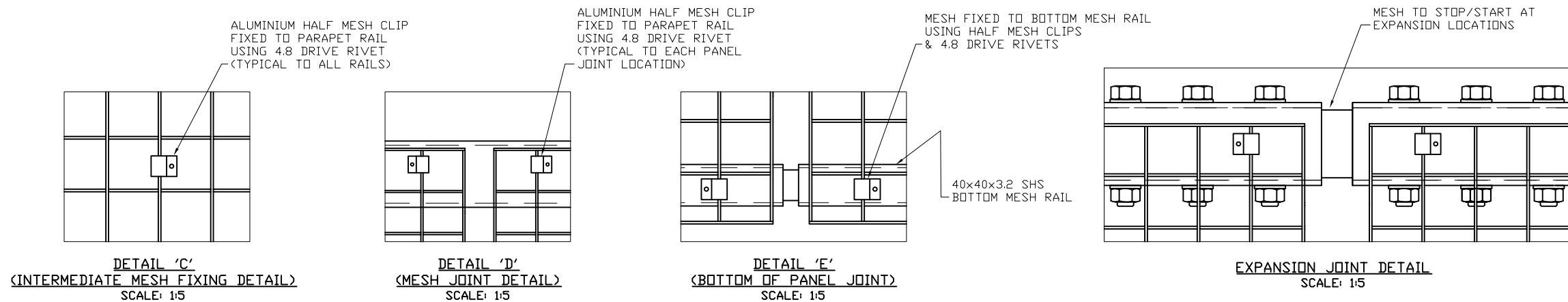
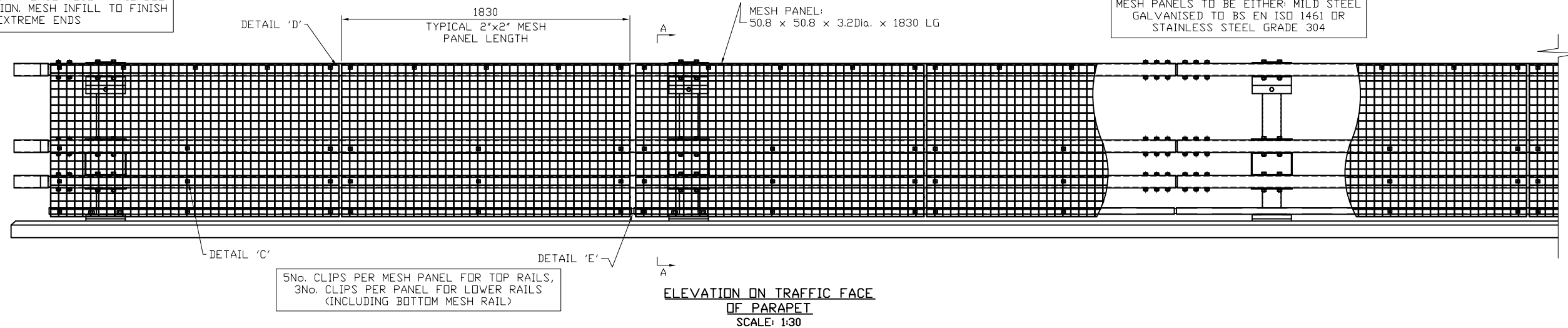
GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- PARAPET HEIGHT & UPSTAND INDICATIVE ONLY. REFER TO CONTRACT SPECIFIC DETAILS.
- TYPICAL MESH PANEL SIZE: 76.2 x 25.4 x 3.2Dia x 1806 x HEIGHT SUITABLE TO PARAPET HEIGHT. MESH CUT FLUSH ALL ROUND.
- MESH TO BE EITHER MILD STEEL GALVANISED TO BS EN ISO 1461 OR STAINLESS STEEL GRADE 304.
- ALL HOLES CUT INTO HOLLOW SECTIONS ARE TO BE CLEAN CUT, NORMAL TO THE SURFACE & THE CORRECT SIZE FOR THE FIXINGS.
- ANY HOLES DAMAGED IN PREPARATION FOR THE DRIVE RIVETS MUST BE PLUGGED WITH OR REPLACED BY AN OVERSIZED DRIVE RIVET OR SELF TAPPING SCREW C/W MASTIC WASHER.
- MESH CLIPS TO BE ALUMINIUM 6082-T6



01	08/08/24	LOGO UPDATED & GENERAL DRAWING UPDATE	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:- GENERAL ARRANGEMENT SAFEROAD SN2W1 VEHICLE PARAPET 3"x1" MESH INFILL DETAILS			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119 Fax: 01724 281478			
DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3	
DATE:- 04/07/22	SCALE:- 1:30	APPROVED:-	
DRG NO:- SN2W1-001-M1	REV:- 01		

ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION. MESH INFILL TO FINISH
AT RAIL EXTREME ENDS

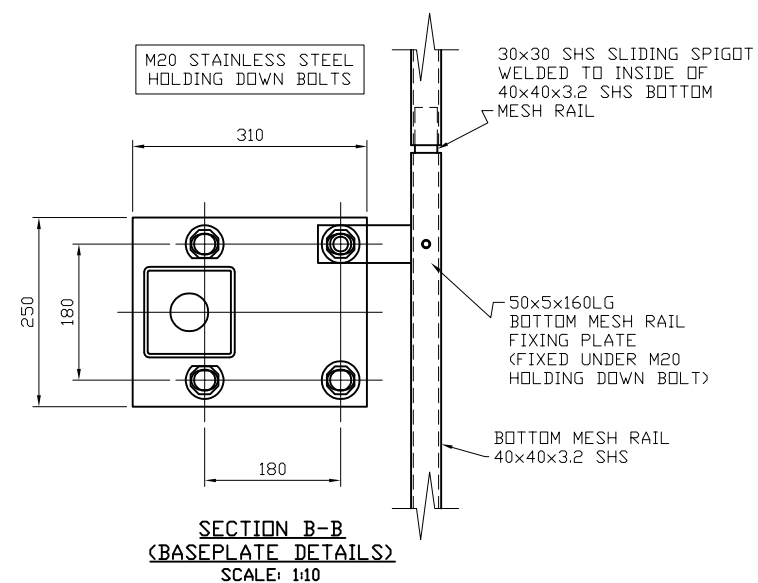
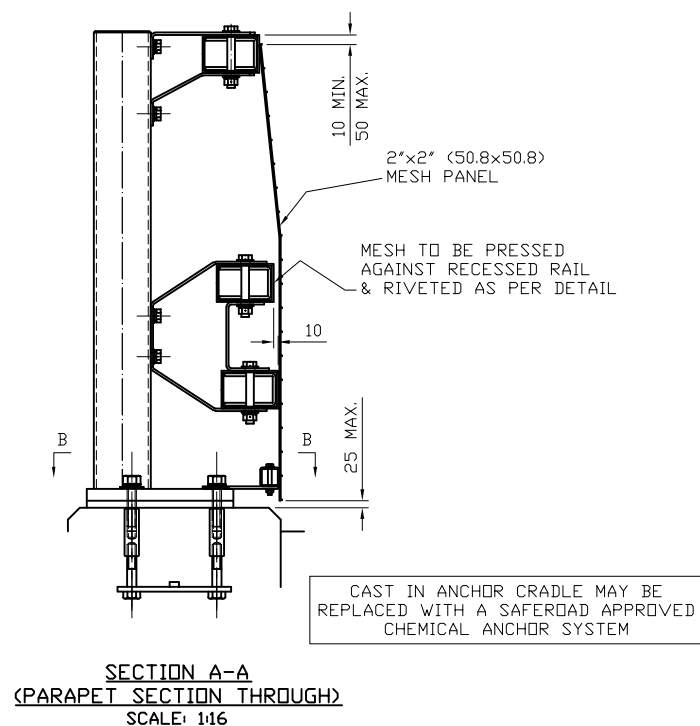


LOADING VALUES:

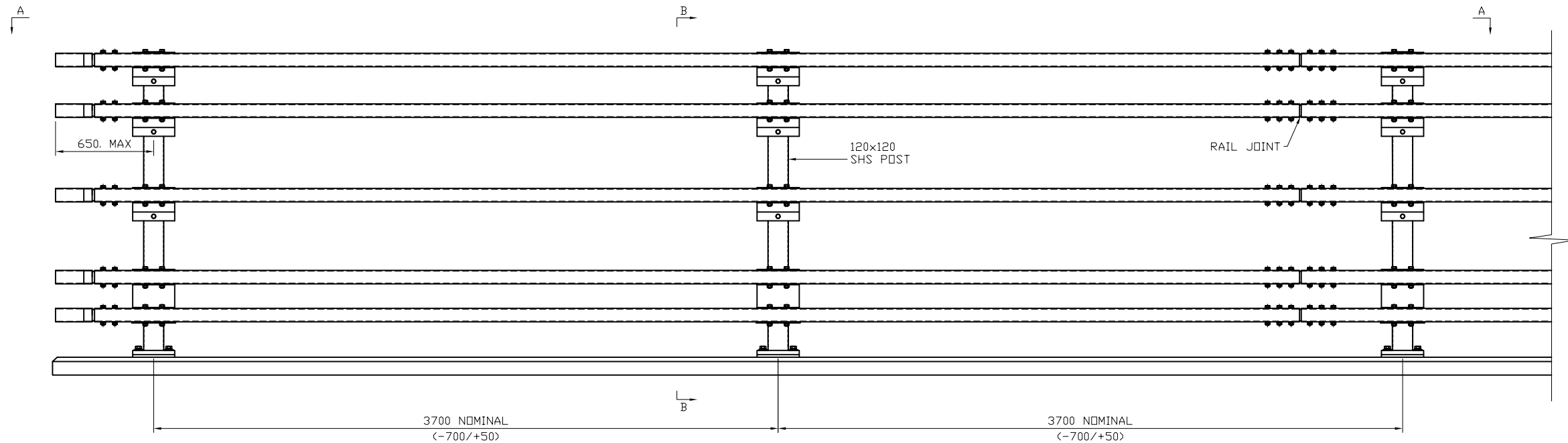
- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
- CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- PARAPET HEIGHT & UPSTAND INDICATIVE ONLY. REFER TO CONTRACT SPECIFIC DETAILS.
- TYPICAL MESH PANEL SIZE: 50.8 x 50.8 x 3.2Dia x 1830 x HEIGHT SUITABLE TO PARAPET HEIGHT. MESH CUT FLUSH ALL ROUND.
- MESH TO BE EITHER MILD STEEL GALVANISED TO BS EN ISO 1461 OR STAINLESS STEEL GRADE 304.
- ALL HOLES CUT INTO HOLLOW SECTIONS ARE TO BE CLEAN CUT, NORMAL TO THE SURFACE & THE CORRECT SIZE FOR THE FIXINGS.
- ANY HOLES DAMAGED IN PREPERATION FOR THE DRIVE RIVETS MUST BE PLUGGED WITH OR REPLACED BY AN OVERSIZED DRIVE RIVET OR SELF TAPPING SCREW C/W MASTIC WASHER.
- MESH CLIPS TO BE ALUMINIUM 6082-T6



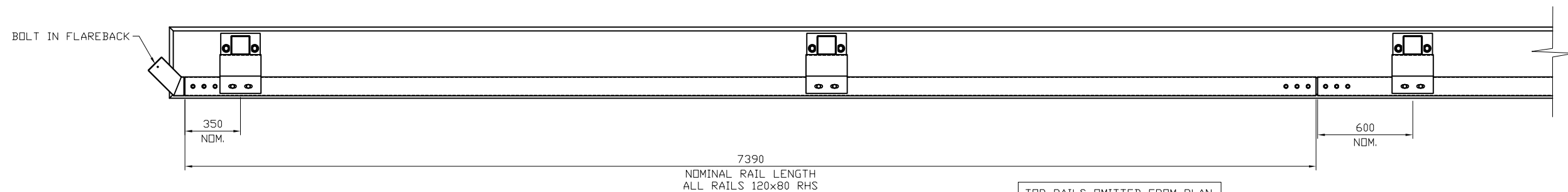
01	08/08/24	LOGO UPDATED & GENERAL DRAWING UPDATE	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:- GENERAL ARRANGEMENT SAFEROAD SN2W1 VEHICLE PARAPET 2"x2" MESH INFILL DETAILS			
UK LTD Concord House Bessemers Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119 Fax: 01724 281478			
DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3	
DATE:- 04/07/22	SCALE:- 1:30	APPROVED:-	
DRG NO:- SN2W1-001-M2	REV:- 01		



ELEVATION ON TRAFFIC FACE OF PARAPET
SCALE: 1:30

ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION

* DIMENSIONS MAY BE ADJUSTED TO SUIT SITE
CONDITIONS & BY AGREEMENT WITH SAFEROAD



SECTION A-A
SCALE: 1:30

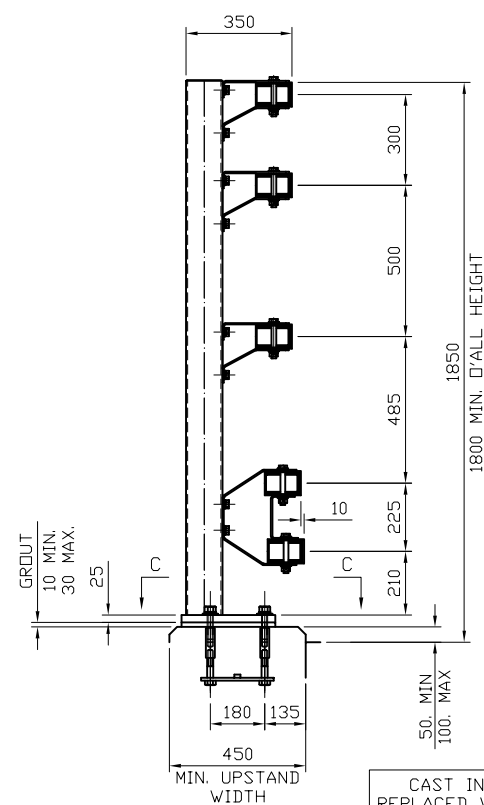
TOP RAILS OMITTED FROM PLAN
VIEW FOR CLARITY

LOADING VALUES:

- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
- CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

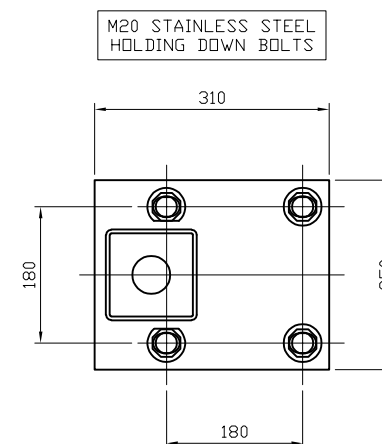
GENERAL NOTES/SPECIFICATIONS:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS.EN. 10025-2, BS EN 10219-1 & BS EN 10219-2.
3. ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
4. HOLDING DOWN SETSCREWS TO BE TO BS 3692 & BE ST. STEEL TO BS EN ISO 3506-1 GRADE A4 CLASS 80. ALL OTHER BOLTS/SETSCREWS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4014 GRADE 8.8.
5. ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
6. GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
7. SPRING WASHERS TO CONFORM TO BS 4464.
8. STAINLESS STEEL WASHERS TO BE GRADE A4.
9. PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - 9.1. IMPACT TEST CRITERIA:- TB11/TB32.
 - 9.2. CONTAINMENT LEVEL:- N2
 - 9.3. NORMALISED WORKING WIDTH:- W1 (0.6m)
 - 9.4. IMPACT SEVERITY LEVEL:- B
 - 9.5. NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
10. POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1800mm
11. RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1800mm ABOVE ADJOINING ROAD/PAVED SURFACE.



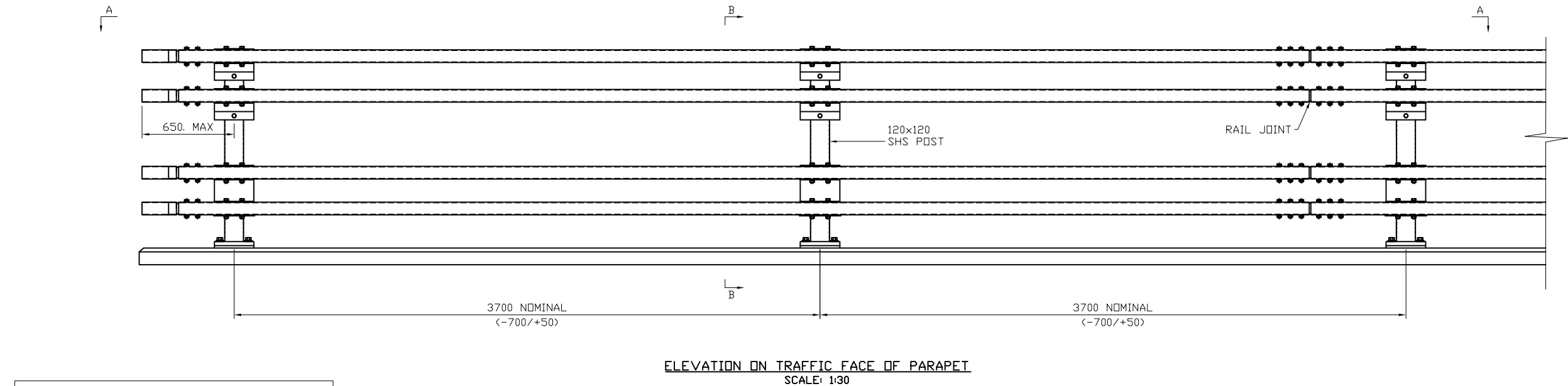
SECTION B-B
(PARAPET SECTION THROUGH)
SCALE: 1:20

CAST IN ANCHOR CRADLE MAY BE
REPLACED WITH A SAFEROAD APPROVED
CHEMICAL ANCHOR SYSTEM



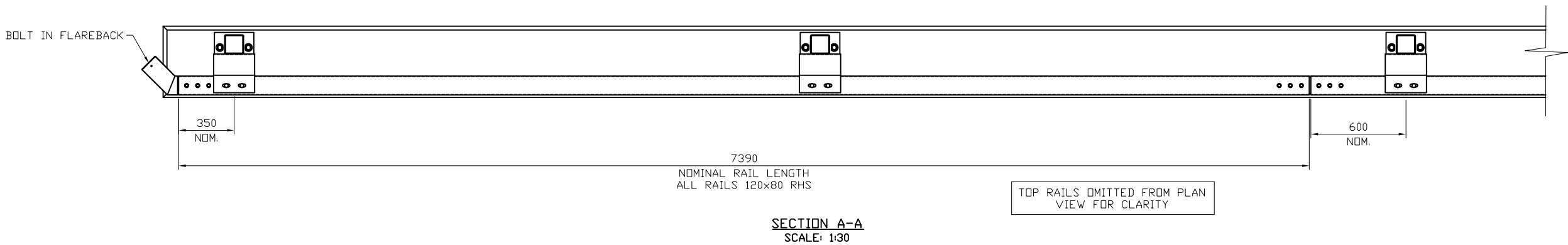
SECTION C-C
(BASEPLATE DETAILS)
SCALE: 1:10

01	08/08/24	BORDER & GENERAL DRAWING UPDATE	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:- GENERAL ARRANGEMENT SAFEROAD SN2W1 VEHICLE PARAPET 1.80M NOM. HEIGHT - 5 RAIL 110km/h TRAFFIC SPEED			
UK LTD Concord House Bessemmer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119 Fax: 01724 281478			
DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3	
DATE:- 04/07/22	SCALE:- 1:30	APPROVED:-	
DRG NO:- SN2W1-GA-005			REV:- 01



ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION

* DIMENSIONS MAY BE ADJUSTED TO SUIT SITE
CONDITIONS & BY AGREEMENT WITH SAFEROAD

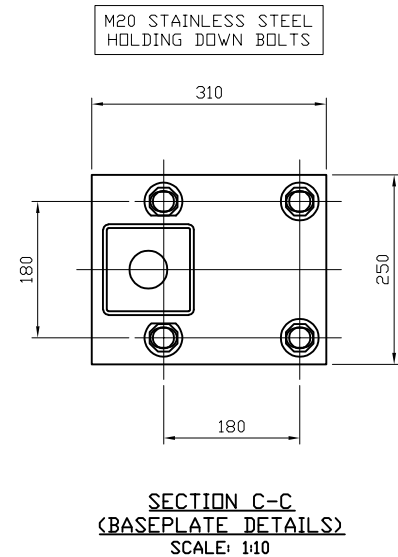
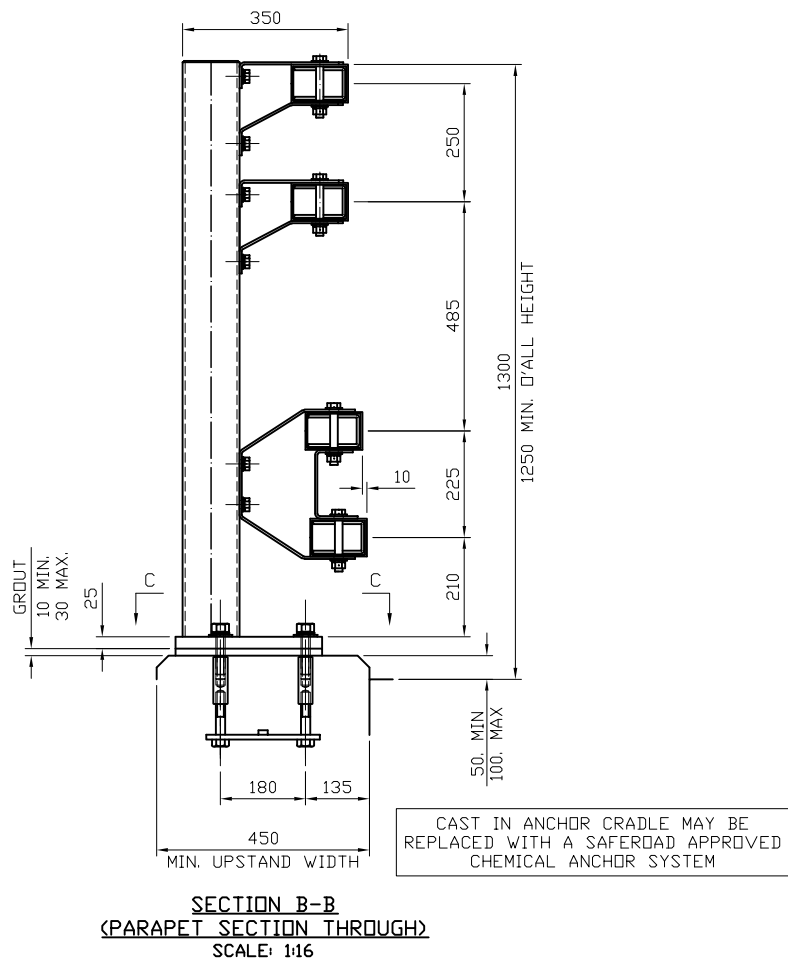


LOADING VALUES:

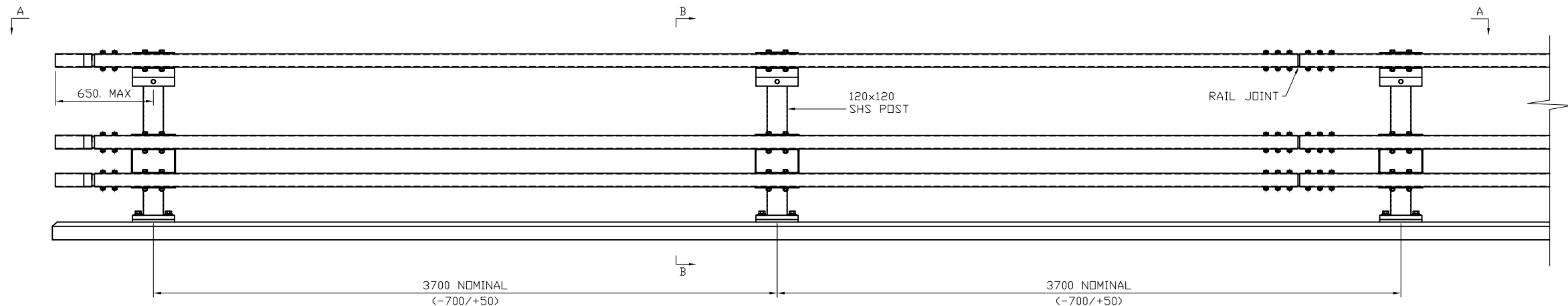
- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
- CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

GENERAL NOTES/SPECIFICATIONS:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS.EN. 10025-2, BS EN 10219-1 & BS EN 10219-2.
3. ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
4. HOLDING DOWN SETSCREWS TO BE TO BS 3692 & BE ST. STEEL TO BS EN ISO 3506-1 GRADE A4 CLASS 80. ALL OTHER BOLTS/SETSCREWS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4014 GRADE 8.8.
5. ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
6. GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
7. SPRING WASHERS TO CONFORM TO BS 4464.
8. STAINLESS STEEL WASHERS TO BE GRADE A4.
9. PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - 9.1. IMPACT TEST CRITERIA:- TB11/TB32.
 - 9.2. CONTAINMENT LEVEL:- N2
 - 9.3. NORMALISED WORKING WIDTH:- W1 (0.6m)
 - 9.4. IMPACT SEVERITY LEVEL:- B
 - 9.5. NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
10. POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1250mm
11. RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1250mm ABOVE ADJOINING ROAD/PAVED SURFACE.



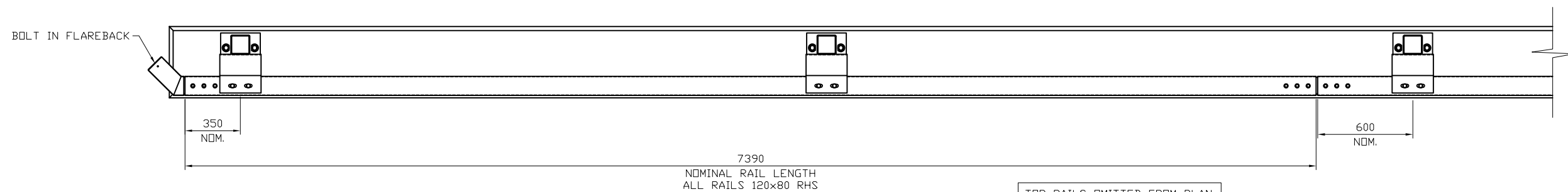
01	08/08/24	BORDER & GENERAL DRAWING UPDATE	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:- GENERAL ARRANGEMENT SAFEROAD SN2W1 VEHICLE PARAPET 1.25M NOM. HEIGHT - 4 RAIL 110km/h TRAFFIC SPEED			
SAFEROAD UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119 Fax: 01724 281478			
DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3	
DATE:- 04/07/22	SCALE:- 1:30	APPROVED:-	
DRG NO:- SN2W1-GA-002			REV:- 01



ELEVATION ON TRAFFIC FACE OF PARAPET
SCALE: 1:30

ENDS SHOWN WITH BOLT IN FLAREBACKS.
CONNECTIONS INTO SAFETY FENCE ALSO AVAILABLE
UPON DESIGN CONFIRMATION

* DIMENSIONS MAY BE ADJUSTED TO SUIT SITE
CONDITIONS & BY AGREEMENT WITH SAFEROAD



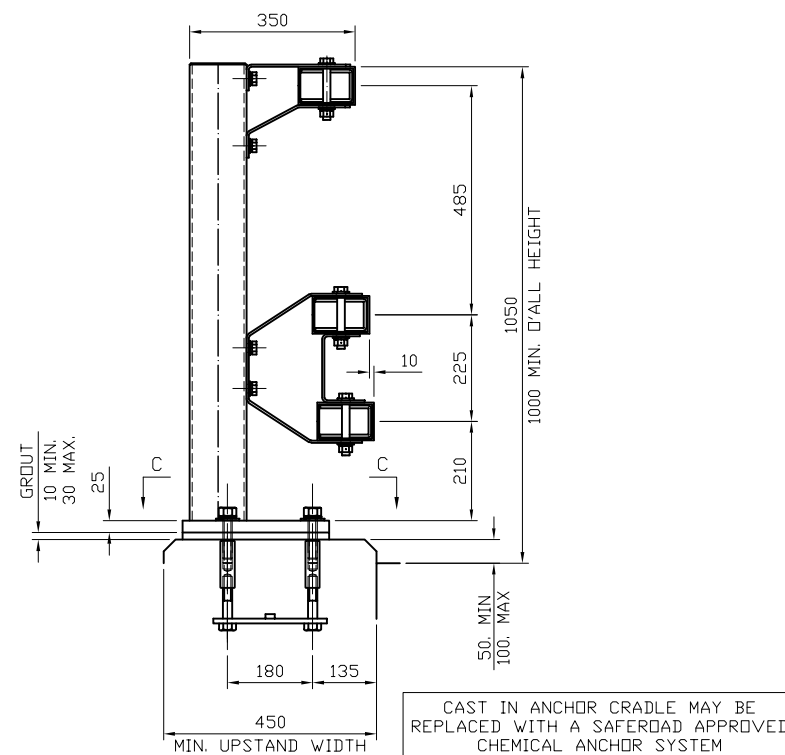
SECTION A-A
SCALE: 1:30

LOADING VALUES:

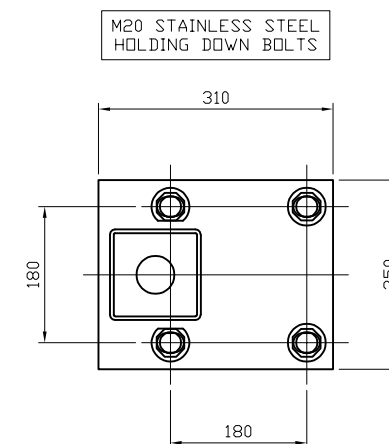
- PLASTIC MOMENT OF RESISTANCE:- 34.6kNm
- CO-EXISTENT SHEAR FORCE CAPACITY:- 63.3kN

GENERAL NOTES/SPECIFICATIONS:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS.EN. 10025-2, BS EN 10219-1 & BS EN 10219-2.
3. ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
4. HOLDING DOWN SETSCREWS TO BE TO BS 3692 & BE ST. STEEL TO BS EN ISO 3506-1 GRADE A4 CLASS 80. ALL OTHER BOLTS/SETSCREWS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4014 GRADE 8.8.
5. ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
6. GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
7. SPRING WASHERS TO CONFORM TO BS 4464.
8. STAINLESS STEEL WASHERS TO BE GRADE A4.
9. PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - 9.1. IMPACT TEST CRITERIA:- TB11/TB32.
 - 9.2. CONTAINMENT LEVEL:- N2
 - 9.3. NORMALISED WORKING WIDTH:- W1 (0.6m)
 - 9.4. IMPACT SEVERITY LEVEL:- B
 - 9.5. NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
10. POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1000mm
11. RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1000mm ABOVE ADJOINING ROAD/PAVED SURFACE.



SECTION B-B
(PARAPET SECTION THROUGH)
SCALE: 1:16



SECTION C-C
(BASEPLATE DETAILS)
SCALE: 1:10

02	08/08/24	BORDER & GENERAL DRAWING UPDATE	H.B
01	11/07/22	UPDATED DIMENSIONS & PERFORMANCE UPDATE	H.B
REVN.	DATE	REMARKS	SIG.

TITLE:-
GENERAL ARRANGEMENT
SAFEROAD SN2W1
VEHICLE PARAPET

1.00M NOM. HEIGHT - 3 RAIL
110km/h TRAFFIC SPEED

SAFEROAD			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119 Fax: 01724 281478			
DRAWN:- H.BRYDON	CHECKED:- R.B	DRAWING SIZE:- A3	
DATE:- 14/01/22	SCALE:- 1:30	APPROVED:-	
DRG NO:- SN2W1-GA-001			REV:- 02

	DRG NO:- UK 25571	REV:- 00
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