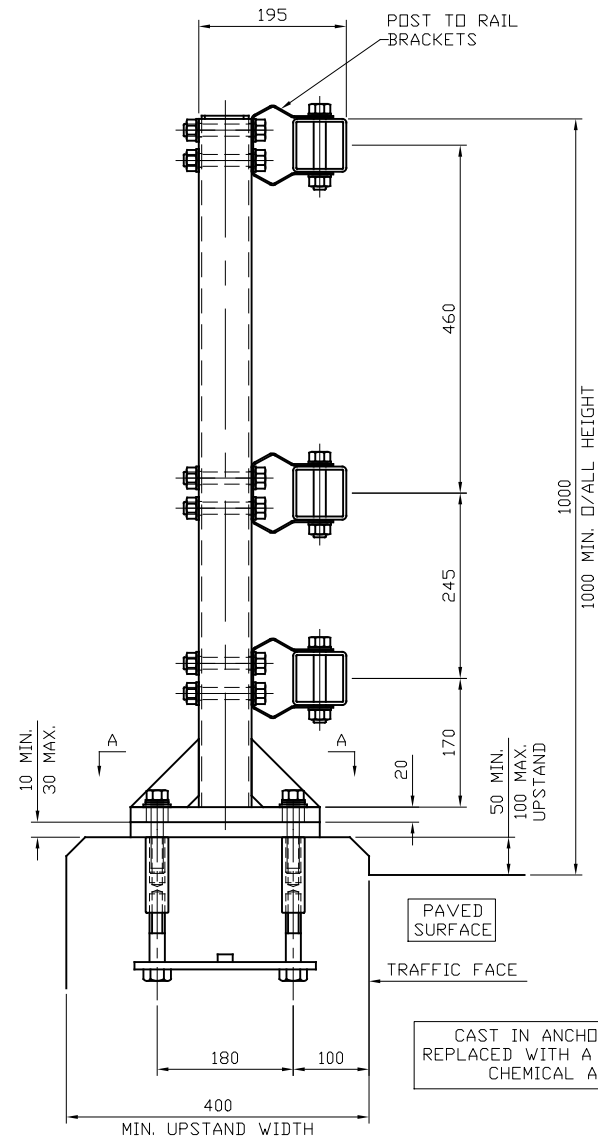
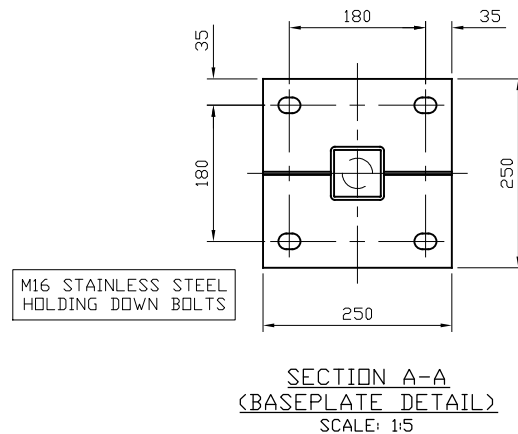
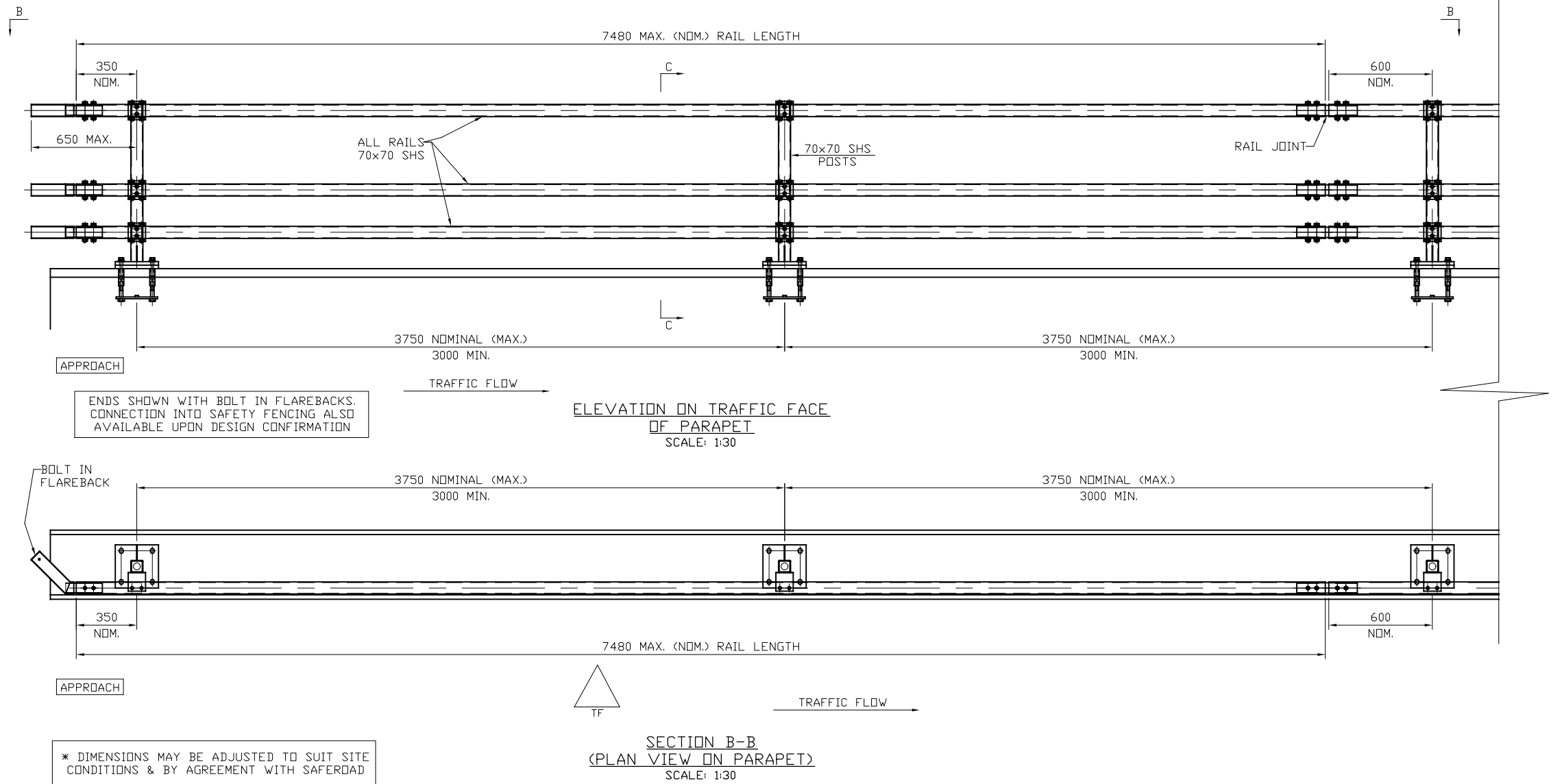




C-C
(SECTION THROUGH OF PARAPET)
SCALE: 1:10

PERFORMANCE VALUES:

- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 9.95 kN



GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- 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.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN ± 15 mm OVER 1000mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1000mm ABOVE ADJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.

TITLE:-

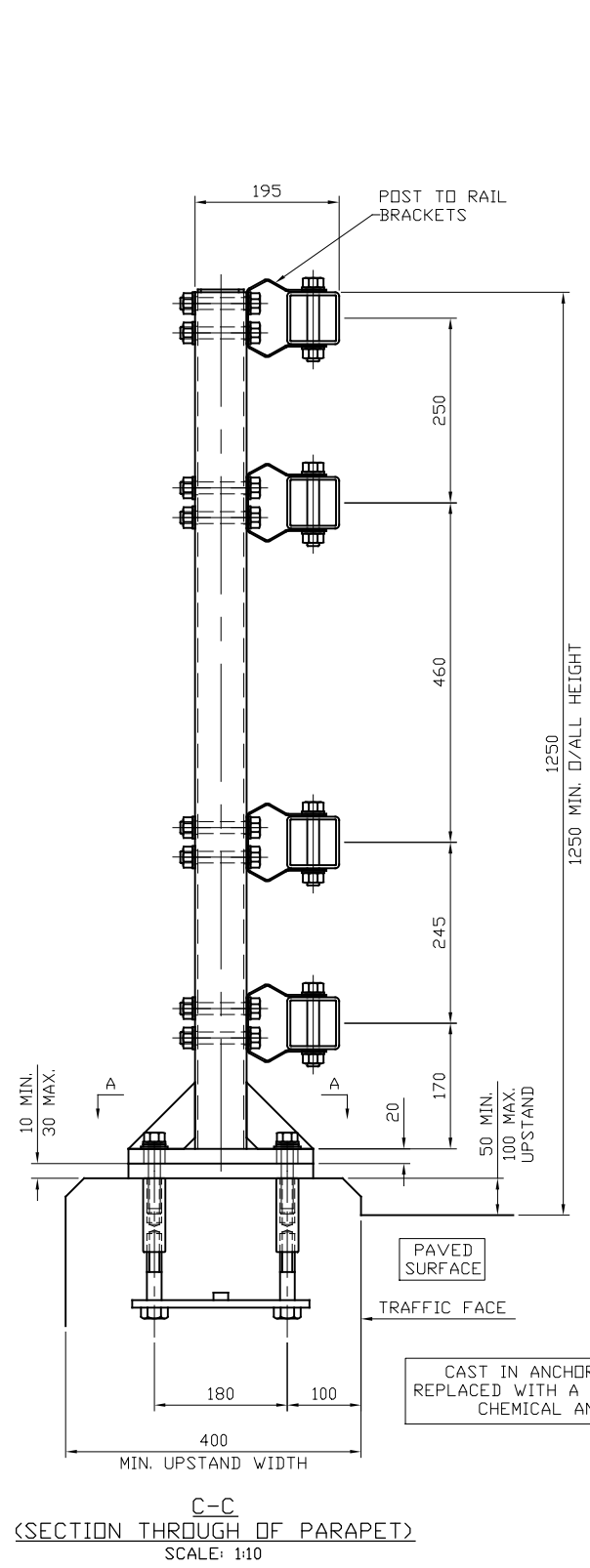
GENERAL ARRANGEMENT
SN1W1 (N1W1)
VEHICLE PARAPET

1.00M HIGH - 3 RAIL
N1 CONTAINMENT LEVEL

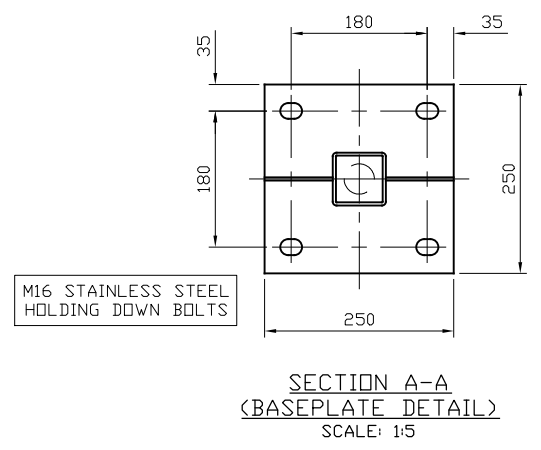
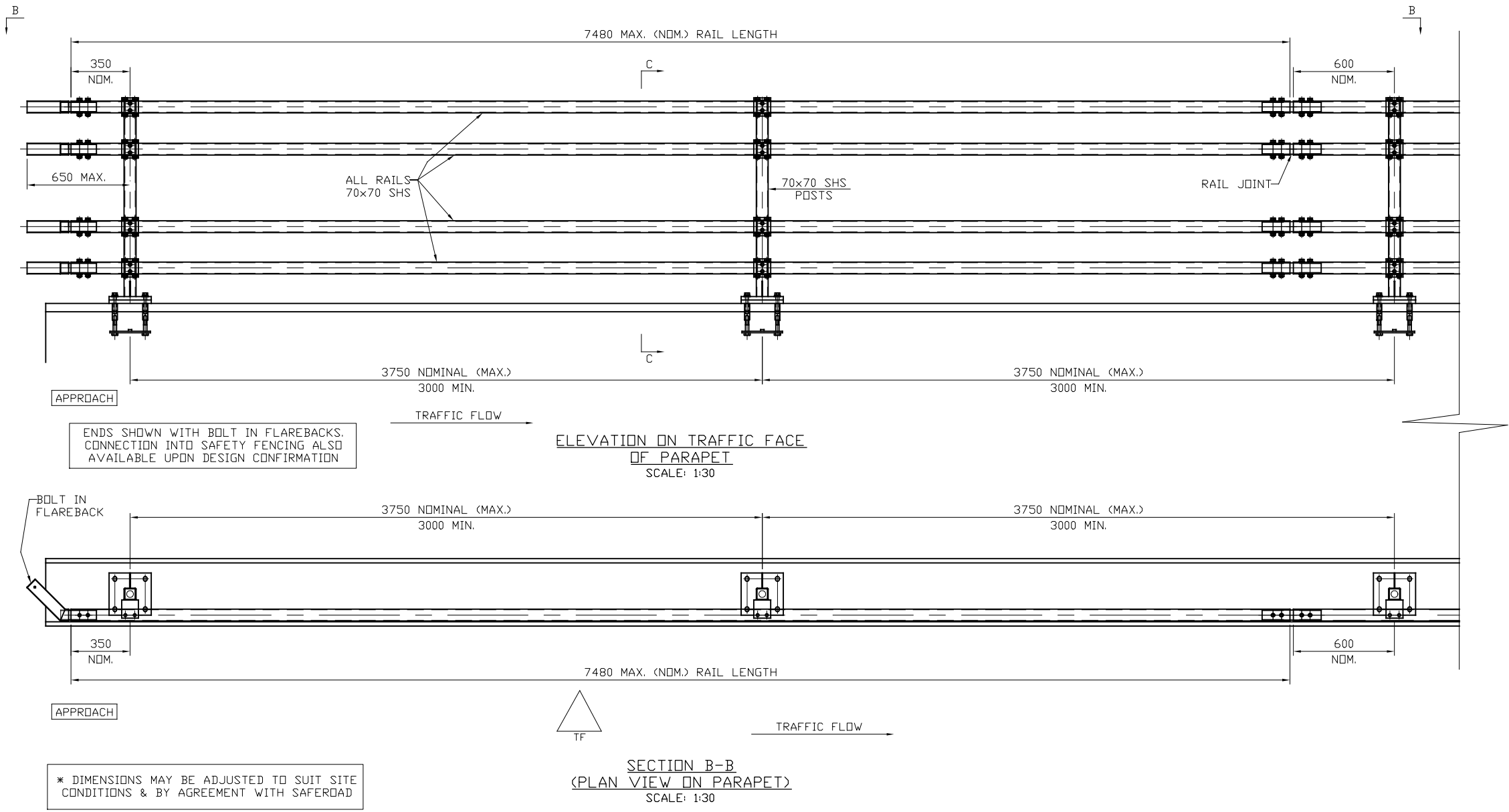
SAFEROAD

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

DRG NO:-	SN1-GA-001	REV:-	00
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PERFORMANCE VALUES:	
•	PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
•	CO-EXISTANT SHEAR FORCE CAPACITY - 9.95 kN



GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- 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.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN ± 15 mm OVER 1250mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1250mm ABOVE ADJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REV.	DATE	REMARKS	SIG.

TITLE:-

GENERAL ARRANGEMENT
SN1W1 (N1W1)
VEHICLE PARAPET

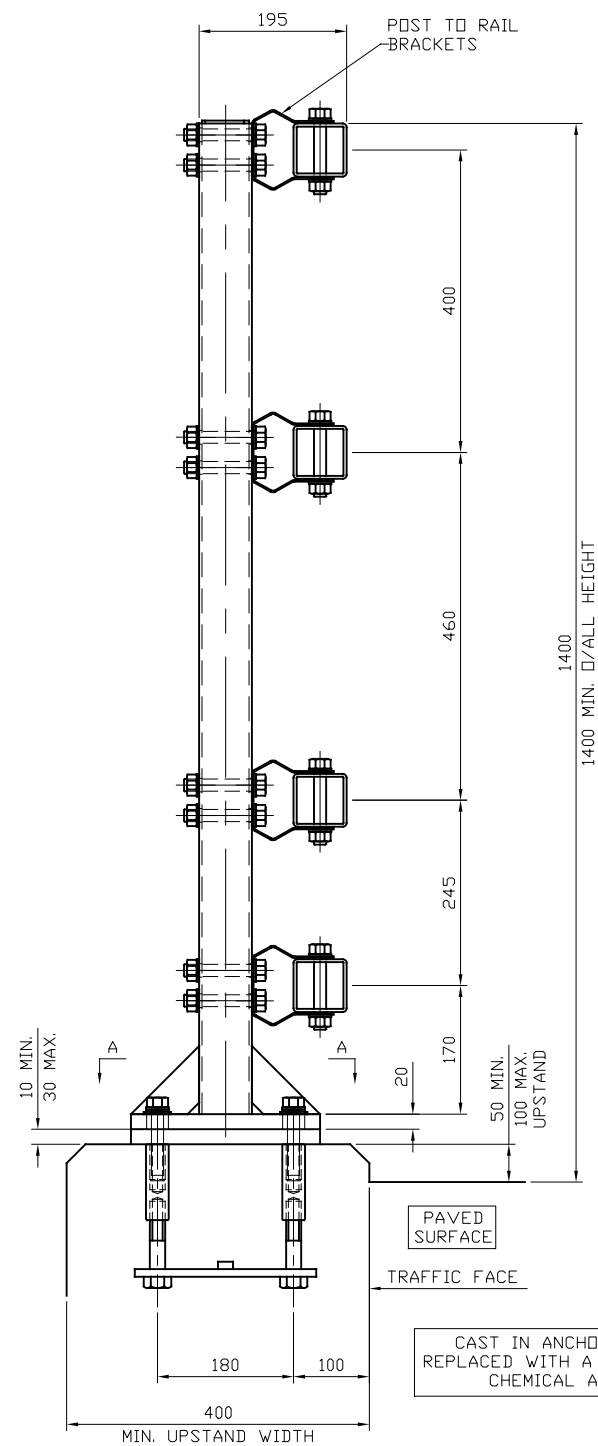
1.25M HIGH - 4 RAIL
N1 CONTAINMENT LEVEL

SAFEROAD

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

DRG NO:- SN1-GA-002

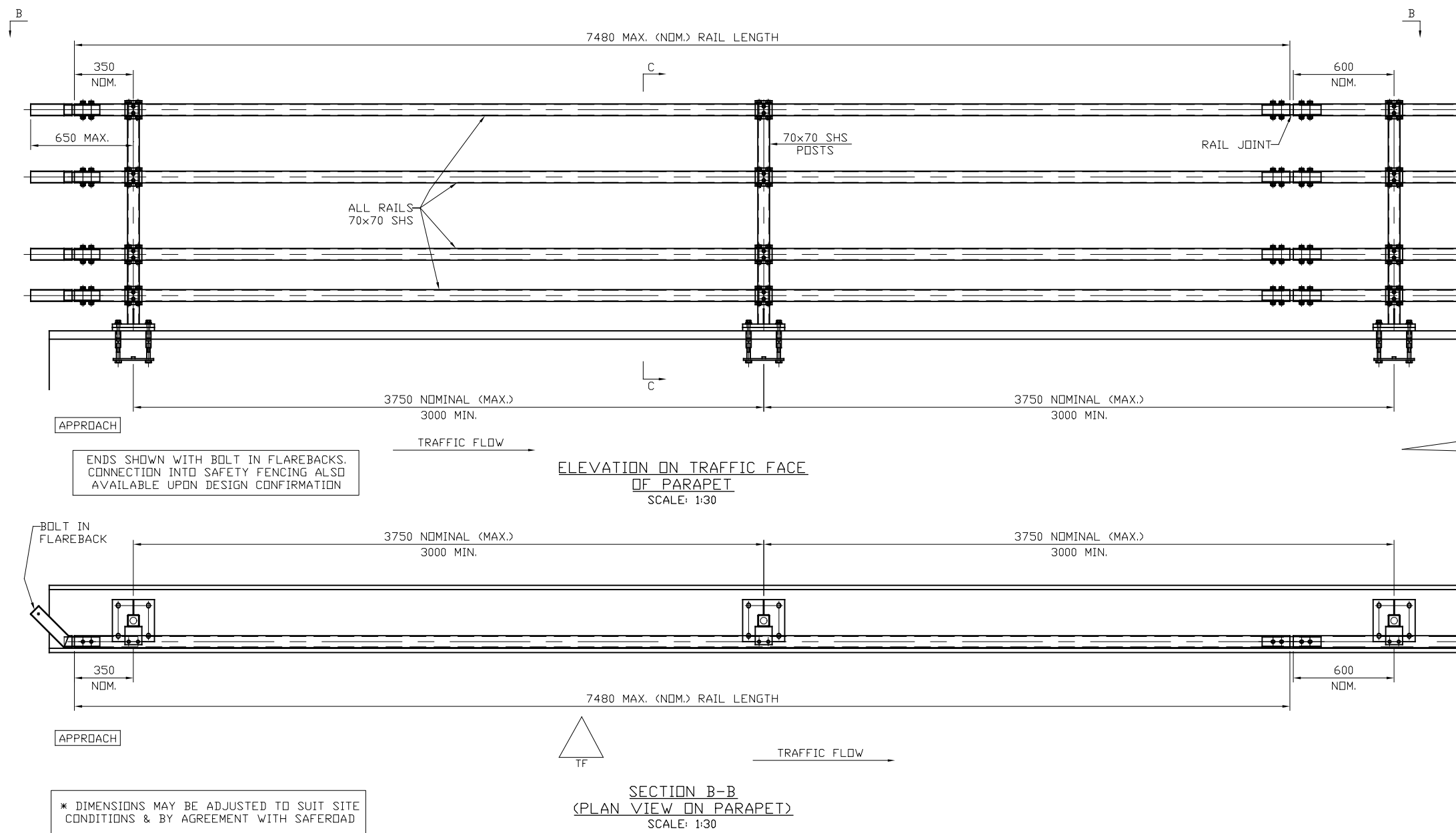
REV:- 00



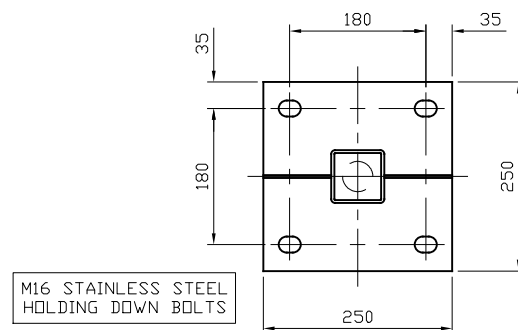
C-C
(SECTION THROUGH OF PARAPET)
SCALE: 1:10

PERFORMANCE VALUES:

- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 9.95 kN



SECTION B-B
(PLAN VIEW ON PARAPET)
SCALE: 1:30

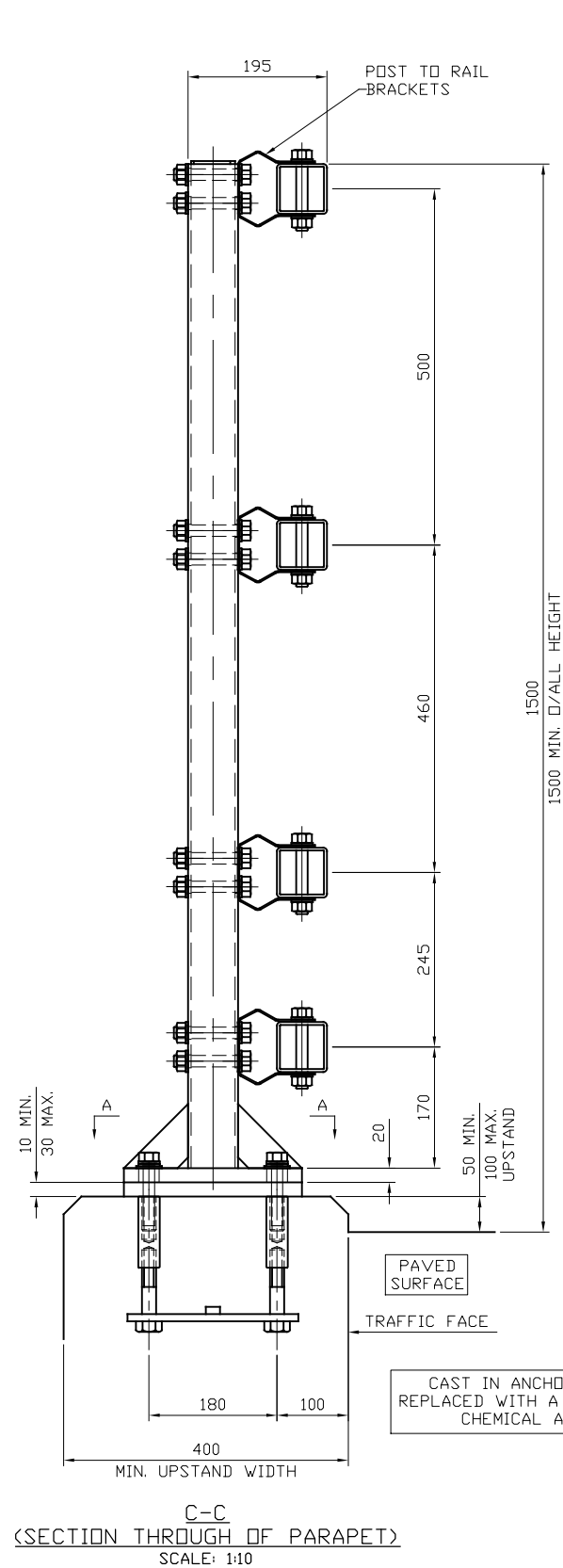


SECTION A-A
(BASEPLATE DETAIL)
SCALE: 1:5

GENERAL NOTES/SPECIFICATIONS:

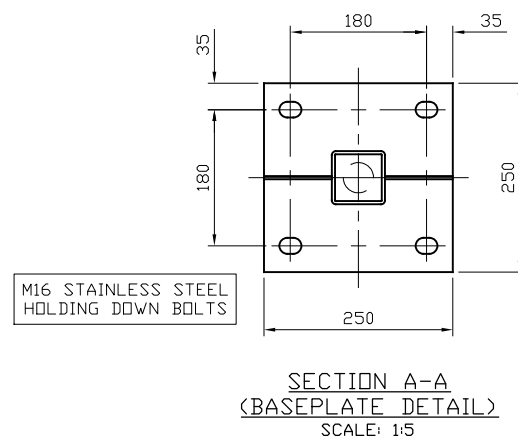
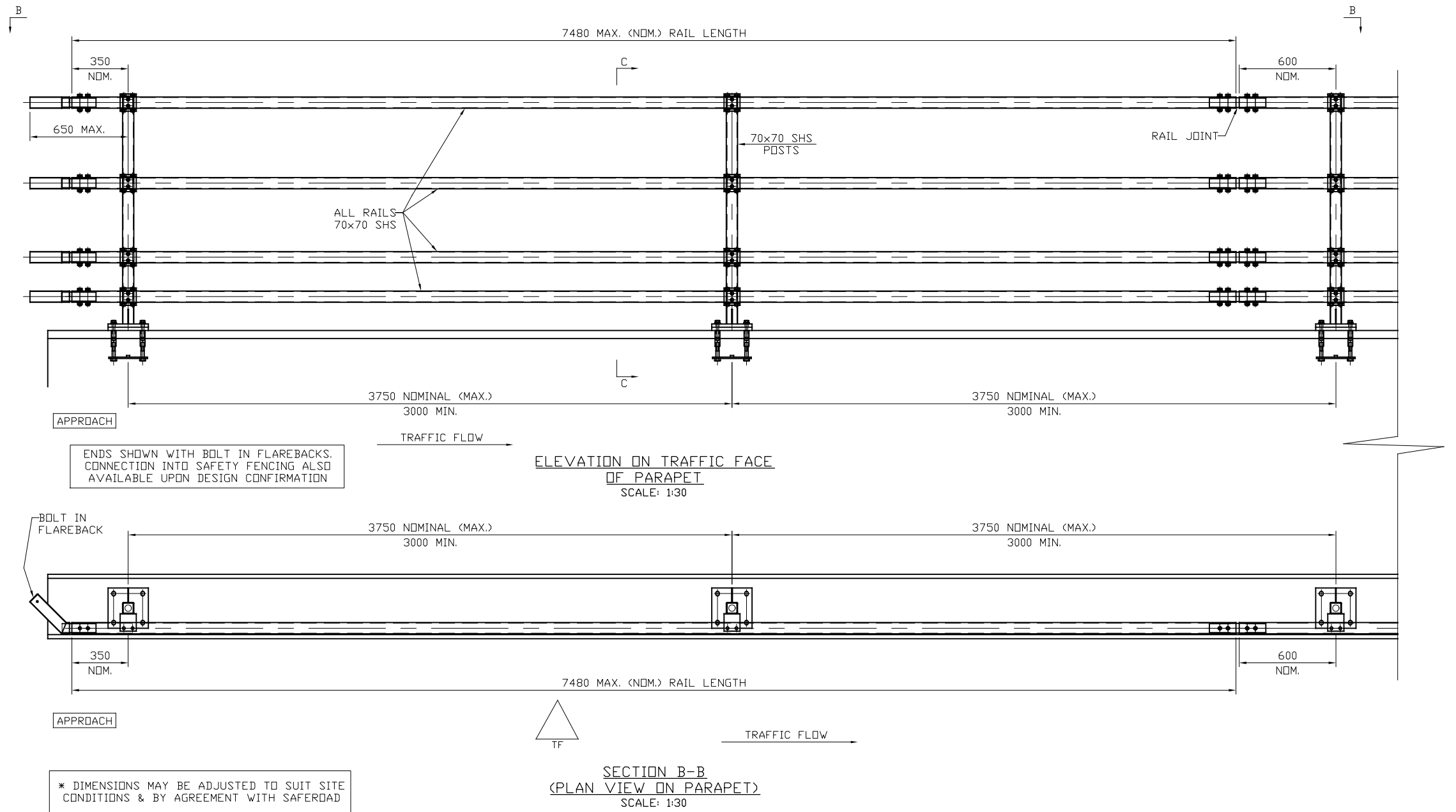
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- HOLDING DOWN SETSCREWS TO BE TO BS 3692 & BE ST. STEEL TO BS EN ISO 3506-1 GRADE A4 CLASS 80. ALL OTHER BOLTS/SETSCREWS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4014 GRADE 8.8.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN ± 15 mm OVER 1400mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1400mm ABOVE AJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:-			
GENERAL ARRANGEMENT SN1W1 (N1W1) VEHICLE PARAPET			
1.40M HIGH - 4 RAIL N1 CONTAINMENT LEVEL			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119			
DRG NO:-	SN1-GA-003		REV:-
			00



PERFORMANCE VALUES:

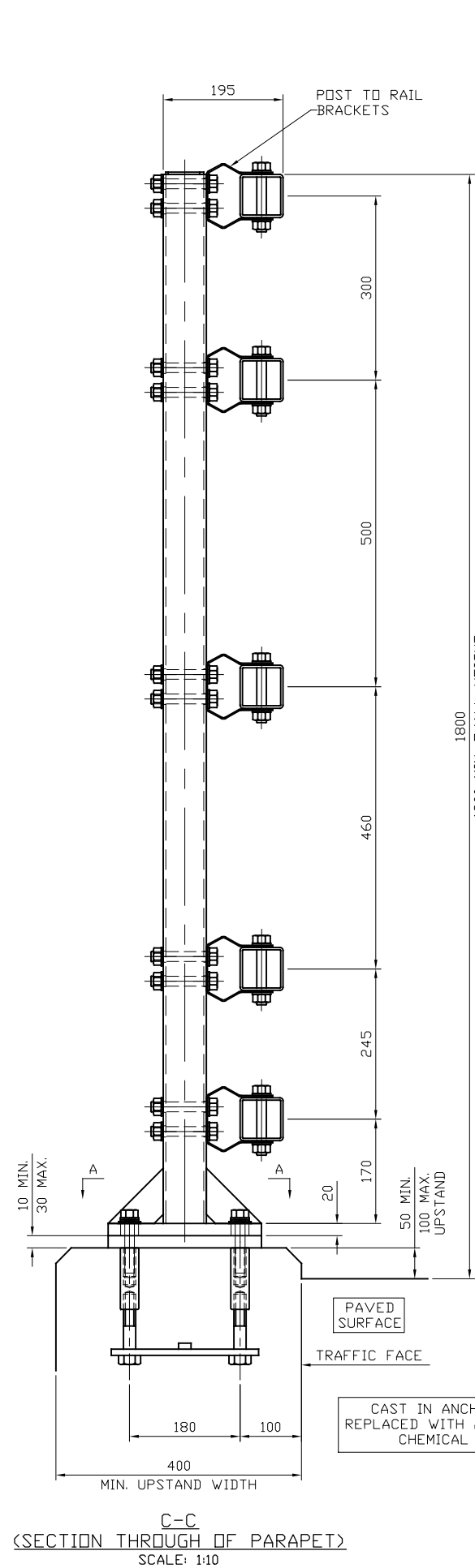
- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 9.95 kN



GENERAL NOTES/SPECIFICATIONS:

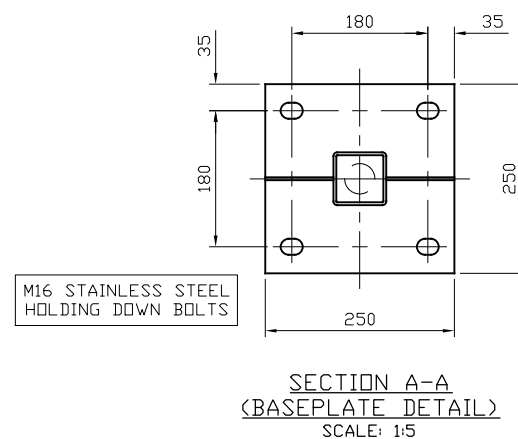
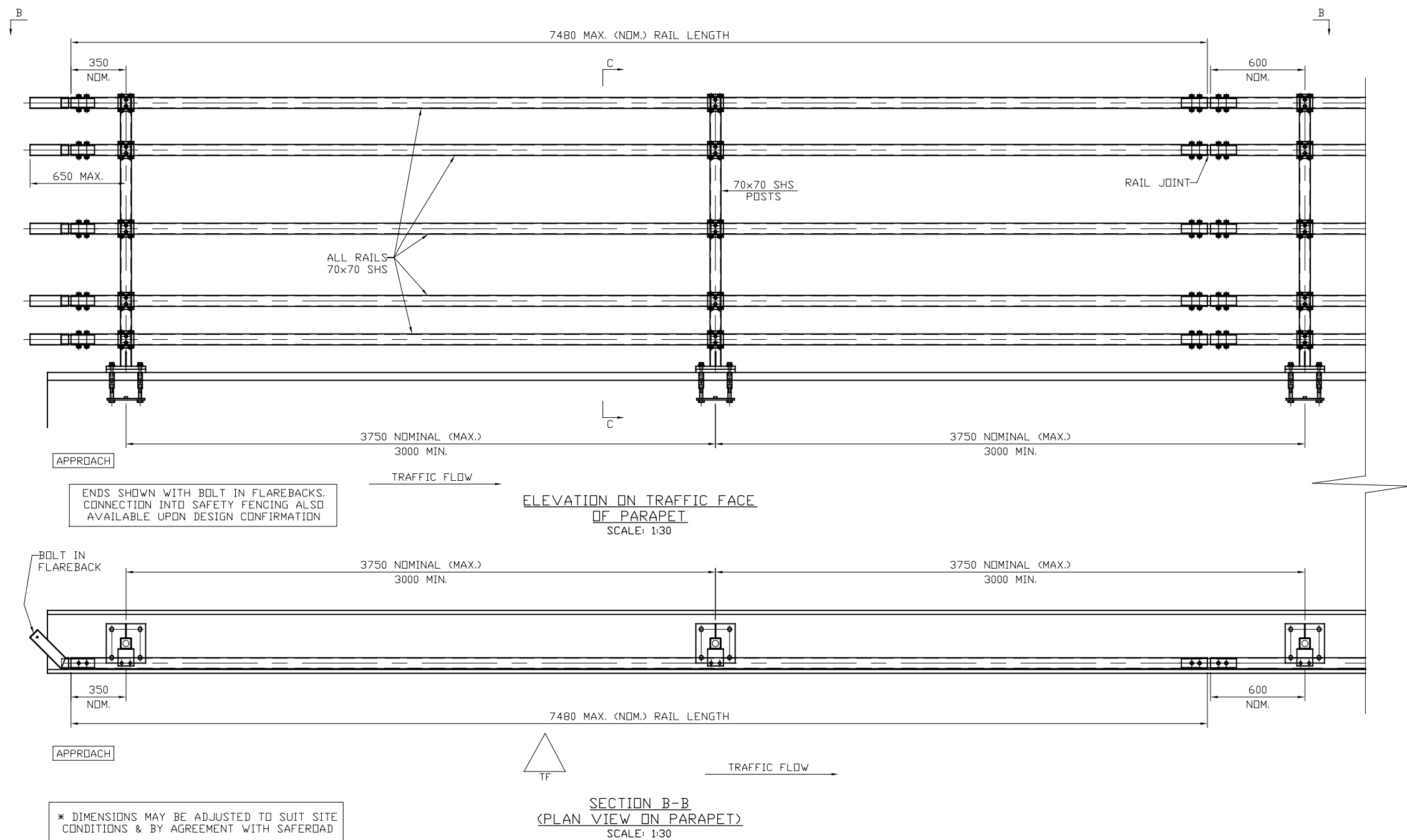
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- HOLDING DOWN SETSCREWS TO BE TO BS 3692 & BE ST. STEEL TO BS EN ISO 3506-1 GRADE A4 CLASS 80. ALL OTHER BOLTS/SETSCREWS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4014 GRADE 8.8.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1500mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1500mm ABOVE AJOINING ROAD/PAVED SURFACE.

01	29/08/24	DRAWING BORDER UPDATED	H.B
00	26/10/23	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:-			
GENERAL ARRANGEMENT SN1W1 (N1W1) VEHICLE PARAPET			
1.50M HIGH - 4 RAIL N1 CONTAINMENT LEVEL			
			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119			
DRG NO:-		SN1-GA-004	REV:-
			01



PERFORMANCE VALUES:

- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 9.95 kN

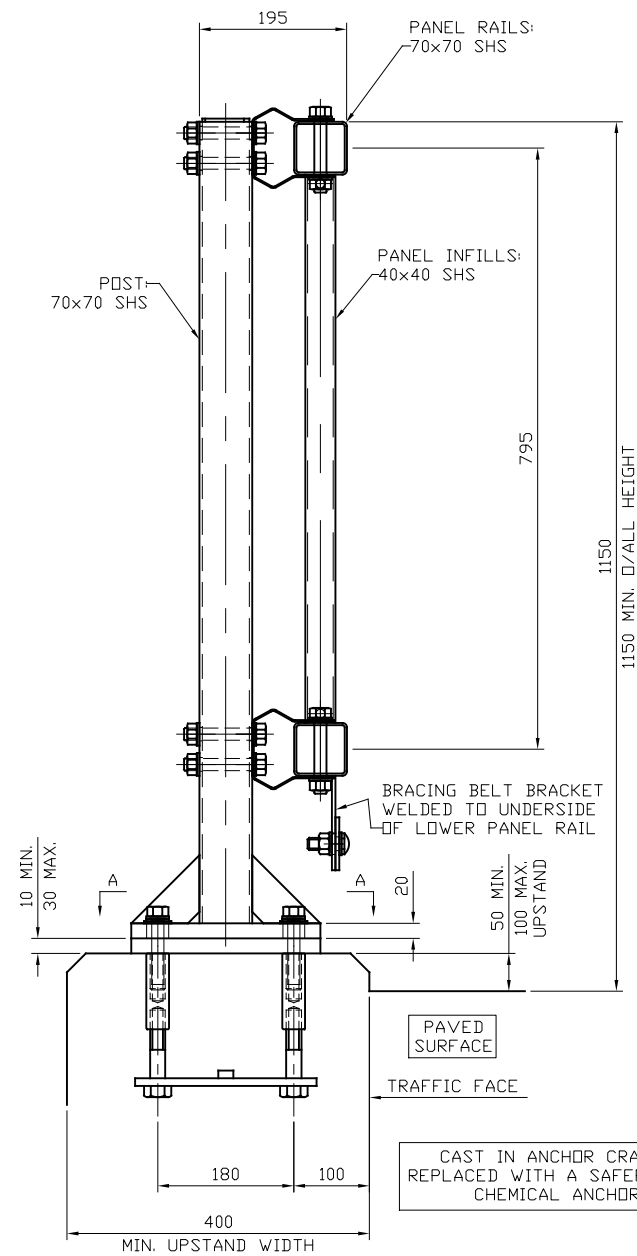


GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- 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.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1800mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1800mm ABOVE AJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:-			
GENERAL ARRANGEMENT SN1W1 (N1W1) VEHICLE PARAPET			
1.80M HIGH - 5 RAIL N1 CONTAINMENT LEVEL			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119			
DRG NO:-		SN1-GA-005	REV:- 00

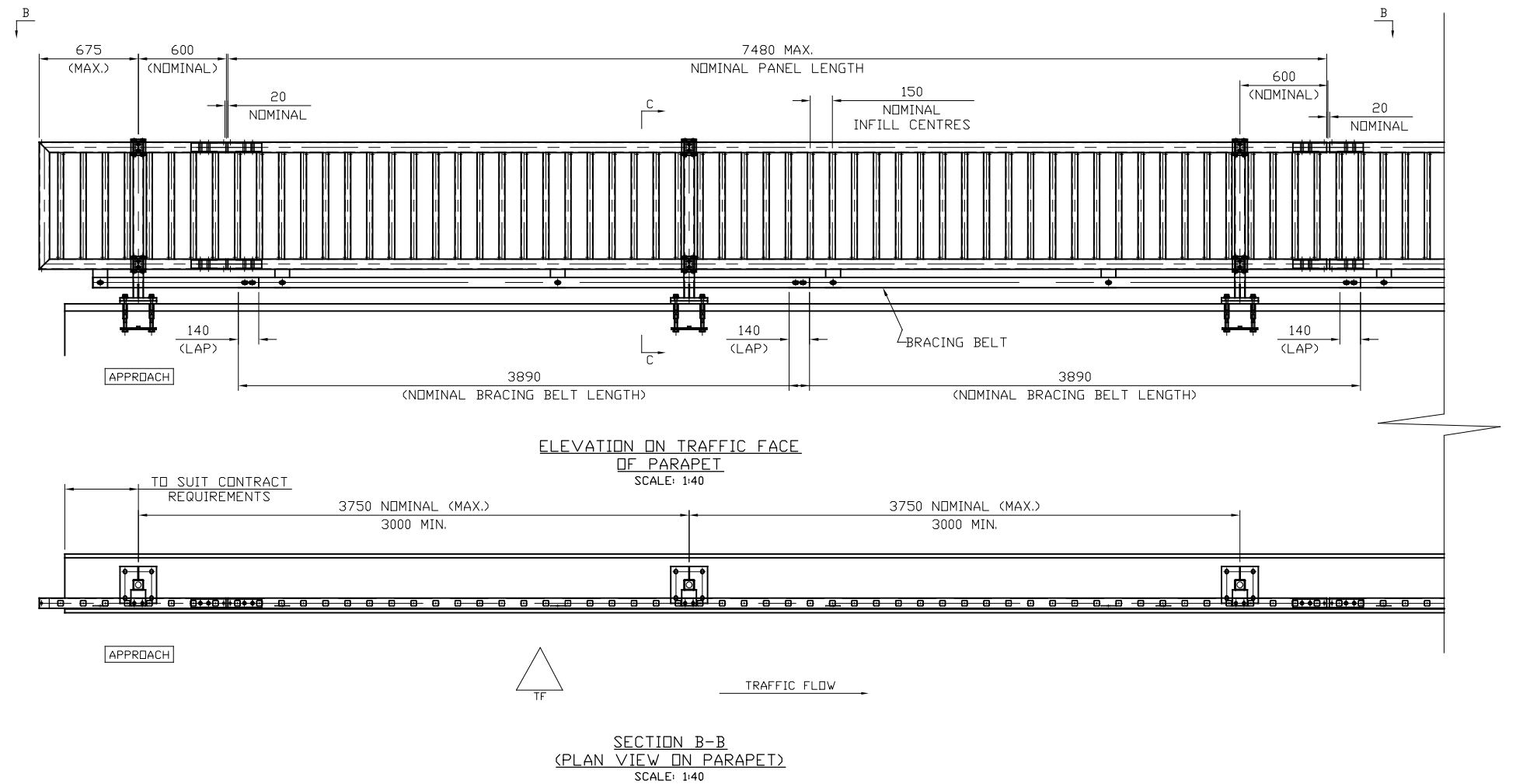
* DIMENSIONS MAY BE ADJUSTED TO SUIT SITE CONDITIONS & BY AGREEMENT WITH SAFEROAD



C-C
(SECTION THROUGH OF PARAPET)
SCALE: 1:10

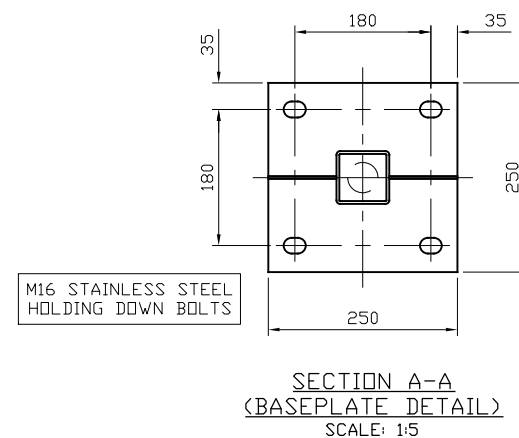
PERFORMANCE VALUES:

- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 8.54 kN



ELEVATION ON TRAFFIC FACE
OF PARAPET
SCALE: 1:40

SECTION B-B
(PLAN VIEW ON PARAPET)
SCALE: 1:40



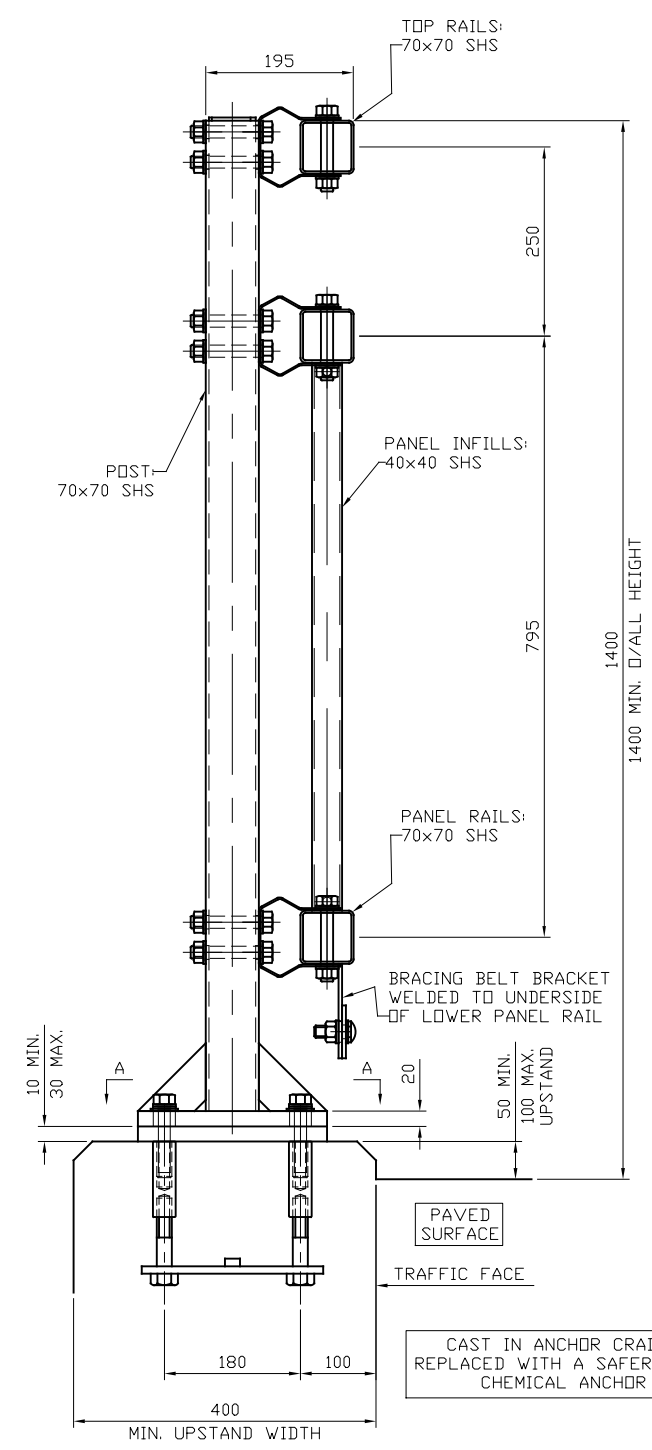
SECTION A-A
(BASEPLATE DETAIL)
SCALE: 1:5

GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- 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.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN ± 15 mm OVER 1150mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1150mm ABOVE ADJOINING ROAD/PAVED SURFACE.

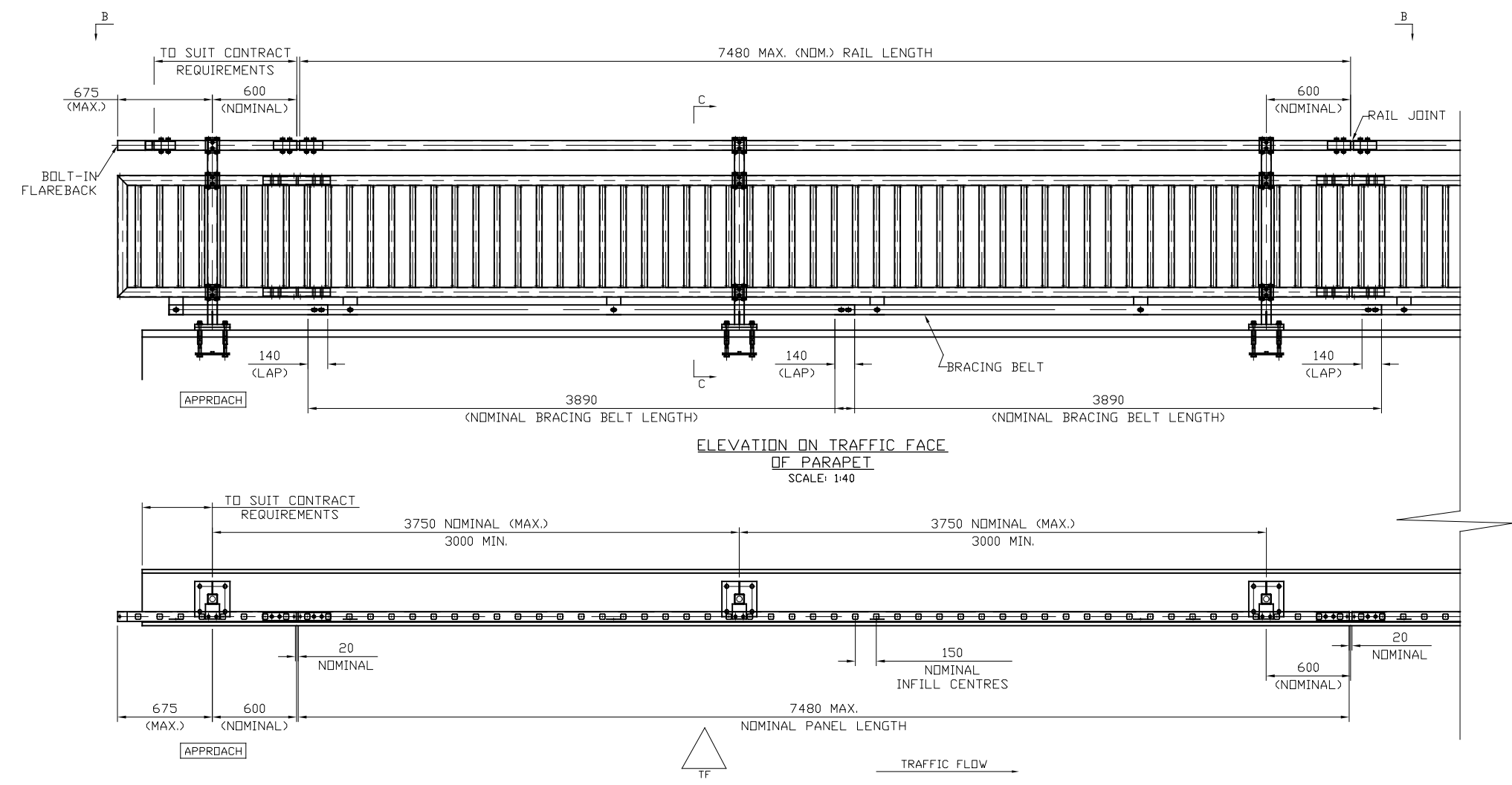
00	29/08/24	DRAWING CREATED	H.B
REV.	DATE	REMARKS	SIG.
TITLE:-			
GENERAL ARRANGEMENT SN1W1 VERTICAL INFILL (N1W1) VEHICLE PARAPET			
1.15M HIGH N1 CONTAINMENT LEVEL			
			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119			
DRG NO:-	SN1W1VI-GA-001		REV:-
			00

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

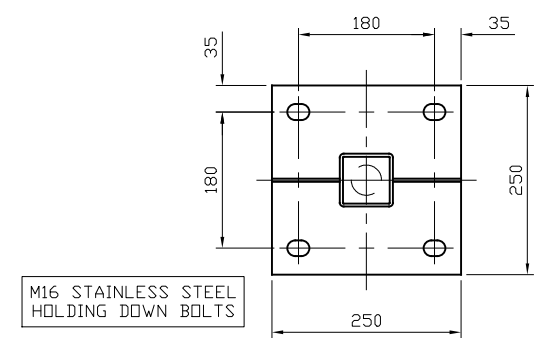


C-C
(SECTION THROUGH OF PARAPET)
SCALE: 1:10

PERFORMANCE VALUES:	
•	PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
•	CO-EXISTANT SHEAR FORCE CAPACITY - 8.54 kN



B-B
(PLAN VIEW ON PARAPET)
SCALE: 1:40



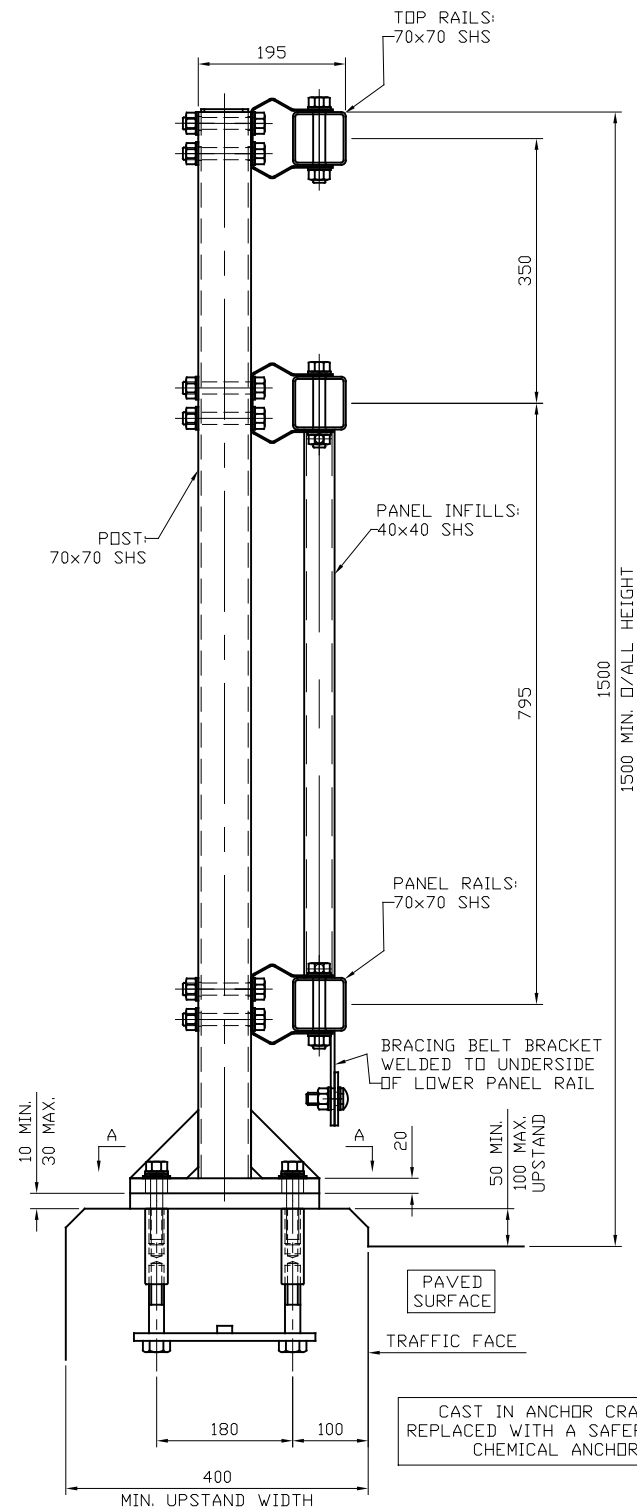
A-A
(BASEPLATE DETAIL)
SCALE: 1:5

GENERAL NOTES/SPECIFICATIONS:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH 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. STAINLESS STEEL WASHERS TO BE GRADE A4.
8. PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - 9.1. IMPACT TEST CRITERIA:- TB31.
 - 9.2. CONTAINMENT LEVEL:- N1
 - 9.3. NORMALISED WORKING WIDTH:- W1 (0.5m).
 - 9.4. NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
9. POSTS TO BE VERTICAL TO WITHIN ± 15 mm OVER 1400mm
10. RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1400mm ABOVE ADJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.
TITLE:-			
GENERAL ARRANGEMENT SN1W1 VERTICAL INFILL (N1W1) VEHICLE PARAPET			
1.40M HIGH N1 CONTAINMENT LEVEL			
UK LTD Concord House Bessemer Way Scunthorpe North Lincolnshire, DN15 8XE Tel: 01724 289119			
DRG NO:-	SN1W1VI-GA-002		REV:- 00

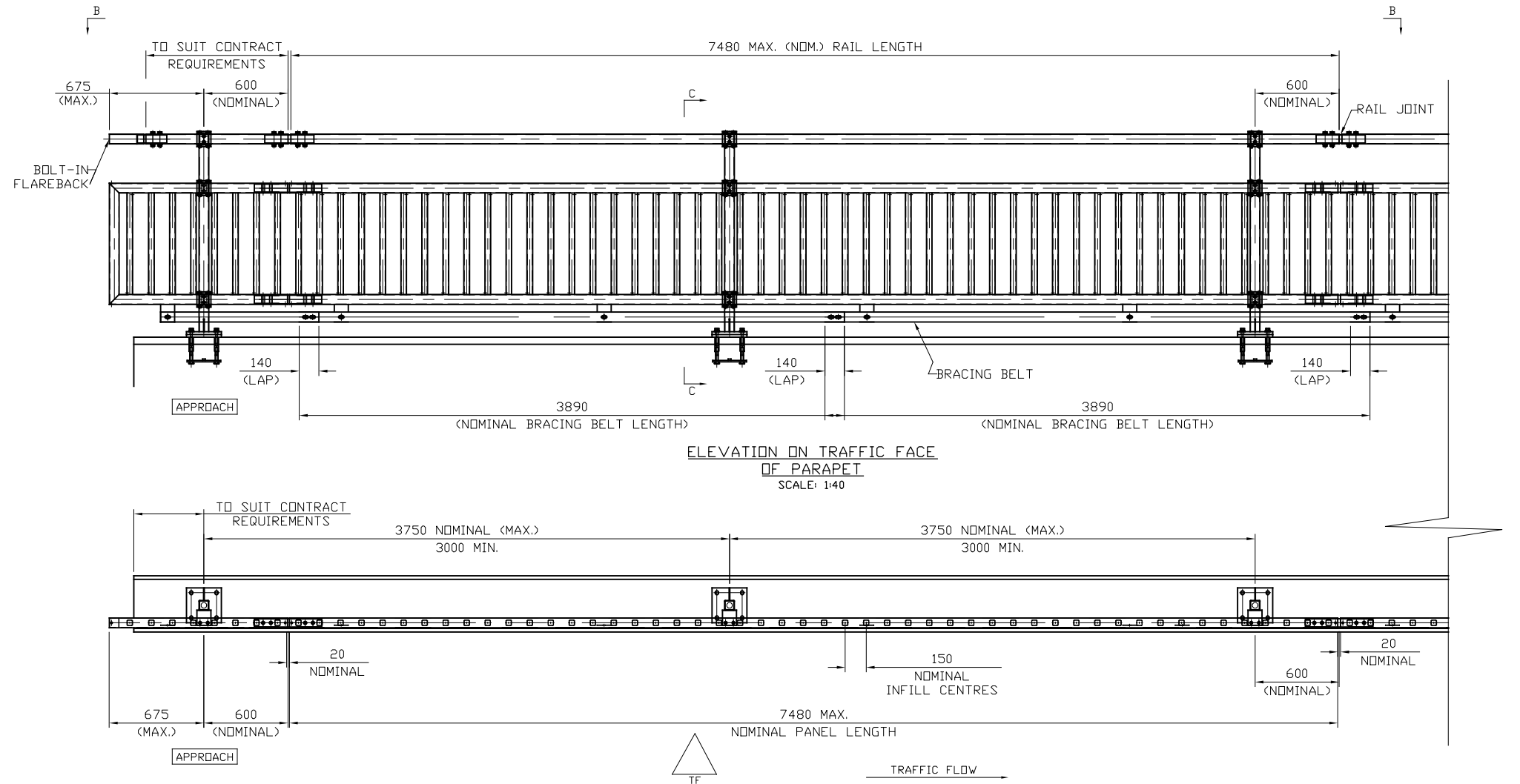
* DIMENSIONS MAY BE ADJUSTED TO SUIT SITE CONDITIONS & BY AGREEMENT WITH SAFEROAD



C-C
(SECTION THROUGH OF PARAPET)
SCALE: 1:10

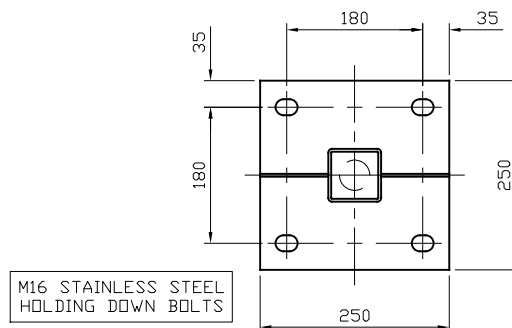
PERFORMANCE VALUES:

- PLASTIC MOMENT OF RESISTANCE - 9.05 kNm
- CO-EXISTANT SHEAR FORCE CAPACITY - 8.54 kN



ELEVATION ON TRAFFIC FACE
OF PARAPET
SCALE: 1:40

SECTION B-B
(PLAN VIEW ON PARAPET)
SCALE: 1:40



SECTION A-A
(BASEPLATE DETAIL)
SCALE: 1:5

GENERAL NOTES/SPECIFICATIONS:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL STEEL SECTIONS TO BE IN ACCORDANCE WITH BS EN 10219-1 & BS EN 10219-2.
- ALL MATERIAL TO BE GALVANISED TO BS EN ISO 1461:2022.
- 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.
- ALL NUTS TO BE GALVANISED STEEL TO CONFORM TO BS 3692 & BS EN ISO 4032 GRADE 8.
- GALVANISED PLAIN WASHERS TO CONFORM TO BS 4320.
- STAINLESS STEEL WASHERS TO BE GRADE A4.
- PARAPET PERFORMANCE IS TO BS EN 1317-1 & BS EN 1317-2.
 - IMPACT TEST CRITERIA:- TB31.
 - CONTAINMENT LEVEL:- N1
 - NORMALISED WORKING WIDTH:- W1 (0.5m).
 - NORMALISED DYNAMIC DEFLECTION VALUE:- 0.4m
- POSTS TO BE VERTICAL TO WITHIN $\pm 15\text{mm}$ OVER 1500mm
- RAILS TO BE SET IN A FLOWING LINE MINIMUM HEIGHT OF 1500mm ABOVE ADJOINING ROAD/PAVED SURFACE.

00	29/08/24	DRAWING CREATED	H.B
REVN.	DATE	REMARKS	SIG.

TITLE:-

GENERAL ARRANGEMENT
SN1W1 VERTICAL INFILL (N1W1)
VEHICLE PARAPET

1.50M HIGH
N1 CONTAINMENT LEVEL

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

DRG NO:- SN1W1VI-GA-003 REV:- 00