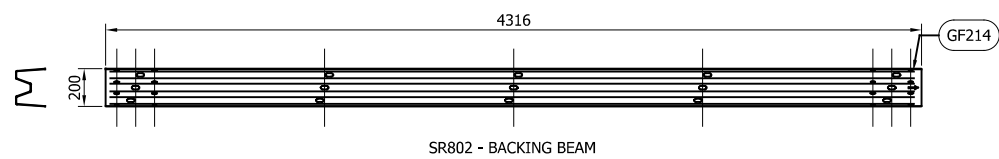
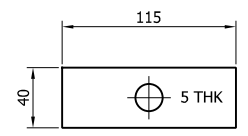
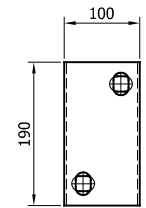


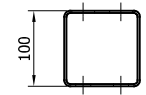
SR700 - FRONT BEAM



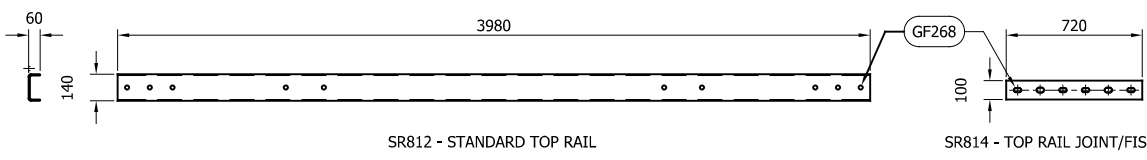
SR802 - BACKING BEAM



SR840 - FRONT BEAM WASHER PLATE

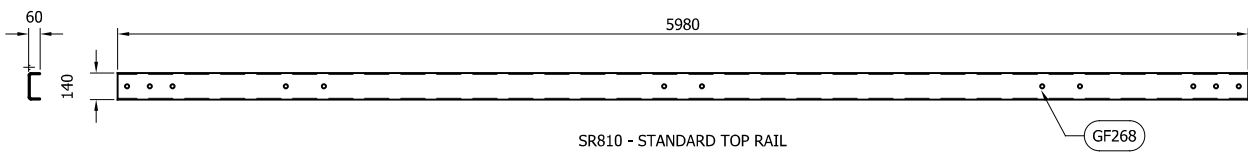


SR831 - POST SPACER BRACKET

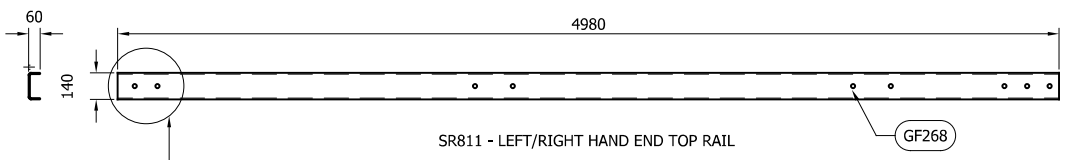


SR812 - STANDARD TOP RAIL

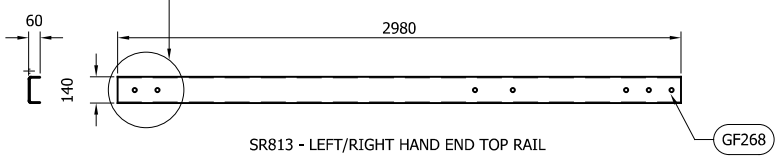
SR814 - TOP RAIL JOINT/FISHPLATE



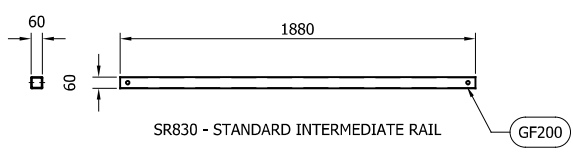
SR810 - STANDARD TOP RAIL



SR811 - LEFT/RIGHT HAND END TOP RAIL



SR813 - LEFT/RIGHT HAND END TOP RAIL



SR830 - STANDARD INTERMEDIATE RAIL

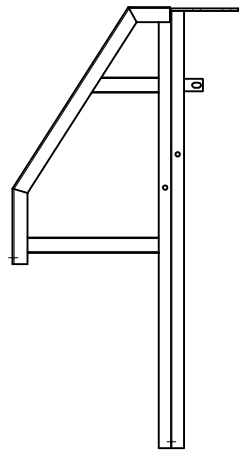
SCHEDULE OF FASTENERS								
REF.	SIZE	TYPE	LENGTH (mm)	GRADE	NUT, No OFF & GRADE	WASHERS, No AND FORM	TORQUE (Nm)	FINISH
GF214	M16	SETSCREW	35	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF216	M16	SETSCREW	65	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF268	M20	SETSCREW	50	8.8	GF243	2 x GF233 FORM 'A'	100-120	SPUN GALVANISED
GF200	M16	SETSCREW	100	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED

REVn	DATE	DETAILS	INITIAL
07	29.11.24	LOGO UPDATED	H.B
06	12.01.22	TITLE BLOCK REVISED	A.D
05	26.08.21	TORQUE VALUES REVISED	M.T
04	26.07.21	DESCRIPTION BOX CHANGED	A.D
03	17.10.18	DETAILS ADDED	M.T
02	30.01.17	DETAILS REVISED	M.T
1.4	18.01.17	PRODUCT CODES REVISED	L.L

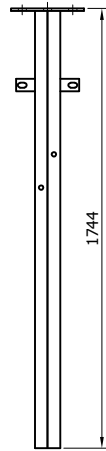
**MegaGuard**  
**H2 W1 VI 3**  
 COMPONENTS\_SCHEMATIC

**SAFEROAD**  
 CONCORD HOUSE,  
 BESSEMER WAY, SCUNTHORPE,  
 NORTH LINCOLNSHIRE, DN15 8XE  
 t: 01724 289119  
 FOR TECHNICAL ASSISTANCE CONTACT  
 e: john.cudlipp@saferoad.co.uk

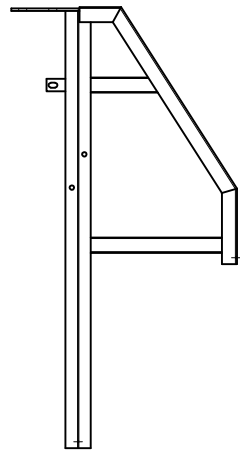
DRAWING NUMBER: <b>H2W1-GA-00</b>	REVn: <b>07</b>
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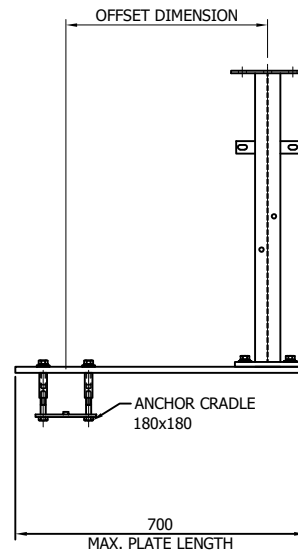
SR820  
LEFT HAND END POST



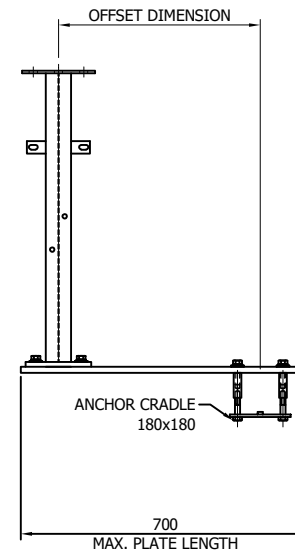
SR822  
STANDARD POST



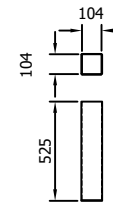
SR821  
RIGHT HAND END POST



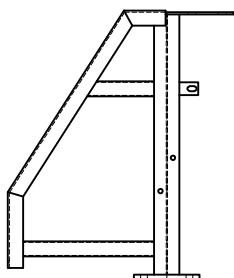
APPROACH  
OFFSET POST



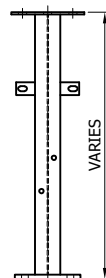
DEPARTURE  
OFFSET POST



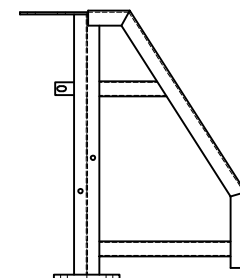
SR825 - POST SOCKET



LEFT HAND  
BASEPLATED END POST



STANDARD  
BASEPLATED POST



RIGHT HAND BASEPLATED  
END POST

SURFACE MOUNTED POST LOADINGS

SHEAR FORCE AT BASE OF POST	TENSILE LOAD PER BOLT	MAXIMUM TENSILE LOAD	CO-EXISTENT SHEAR PER BOLT	CO-EXISTENT SHEAR PER POST
29.5kN	49kN	98kN	12.5kN	50kN

REVn	DATE	DETAILS	INITIAL
07	11.02.26	POST INFORMATION ADDED	H.B
06	29.11.24	LOGO UPDATED	H.B
05	27.07.21	DETAILS REVISED	M.T
04	27.05.21	DETAILS REVISED	M.T
03	10.03.17	CRADLE DETAIL REVISED	M.T
02	30.01.17	DETAILS REVISED	M.T
1.4	18.01.17	PRODUCT CODES REVISED	L.L

# MegaGuard H2 W1 VI 3

AVAILABLE POST TYPES

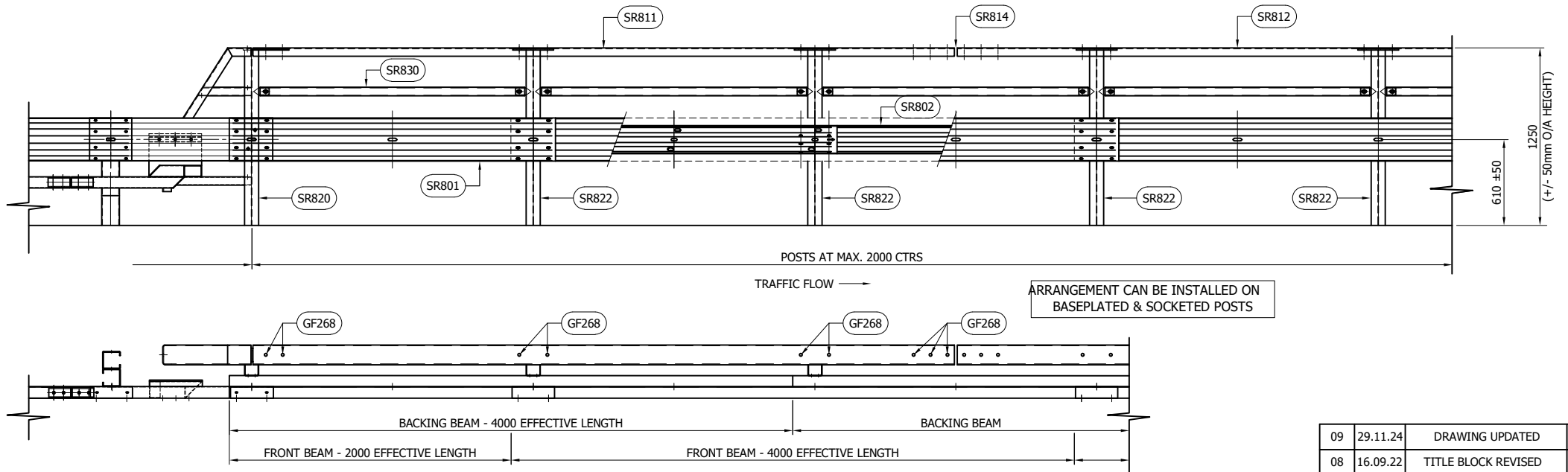


CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: REVn:

H2W1-GA-01

07



SYSTEM COMPONENT SCHEDULE - QUANTITIES / 4m BEAM

SAFEROAD UK PART NUMBER	DESCRIPTION	QUANTITY
SR822	STANDARD POST	2
SR820	LEFT HAND END POST	0 (+1)
SR821	RIGHT HAND END POST	0 (+1)
SR700	FRONT BEAM	1 (+2)
SR802	BACKING BEAM	1 (+2)
SR831	POST SPACER BRACKET	2 (+1)
SR812	STANDARD TOP RAIL	1
SR811	END POST TOP RAIL	0 (+1)
SR814	TOP RAIL FISH PLATE	1 (+1)
SR830	STANDARD INTERMEDIATE RAIL	2
SR840	FRONT BEAM WASHER PLATE	2 (+1)

REV#	DATE	DETAILS	INITIAL
09	29.11.24	DRAWING UPDATED	H.B
08	16.09.22	TITLE BLOCK REVISED	A.D
07	12.08.22	TEXT REMOVED	A.D
06	23.09.21	TOLERANCE HEIGHT OF BEAM CHANGED FROM +/-30 TO +/-50	A.D
05	26.07.21	HEIGHT NOTE REVISED	A.D
04	30.08.19	DRG. REF REMOVED	M.T
03	10.03.17	FIXING CODES CORRECTED	M.T
02	30.01.17	DETAILS REVISED	M.T
1.3	18.01.17	PRODUCT CODES REVISED	L.L

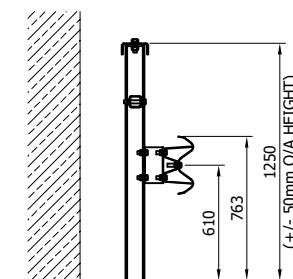
## MegaGuard H2 W1 VI 3

SETTING OUT GENERAL  
ARRANGEMENT - LEFT HAND END  
SHOWN



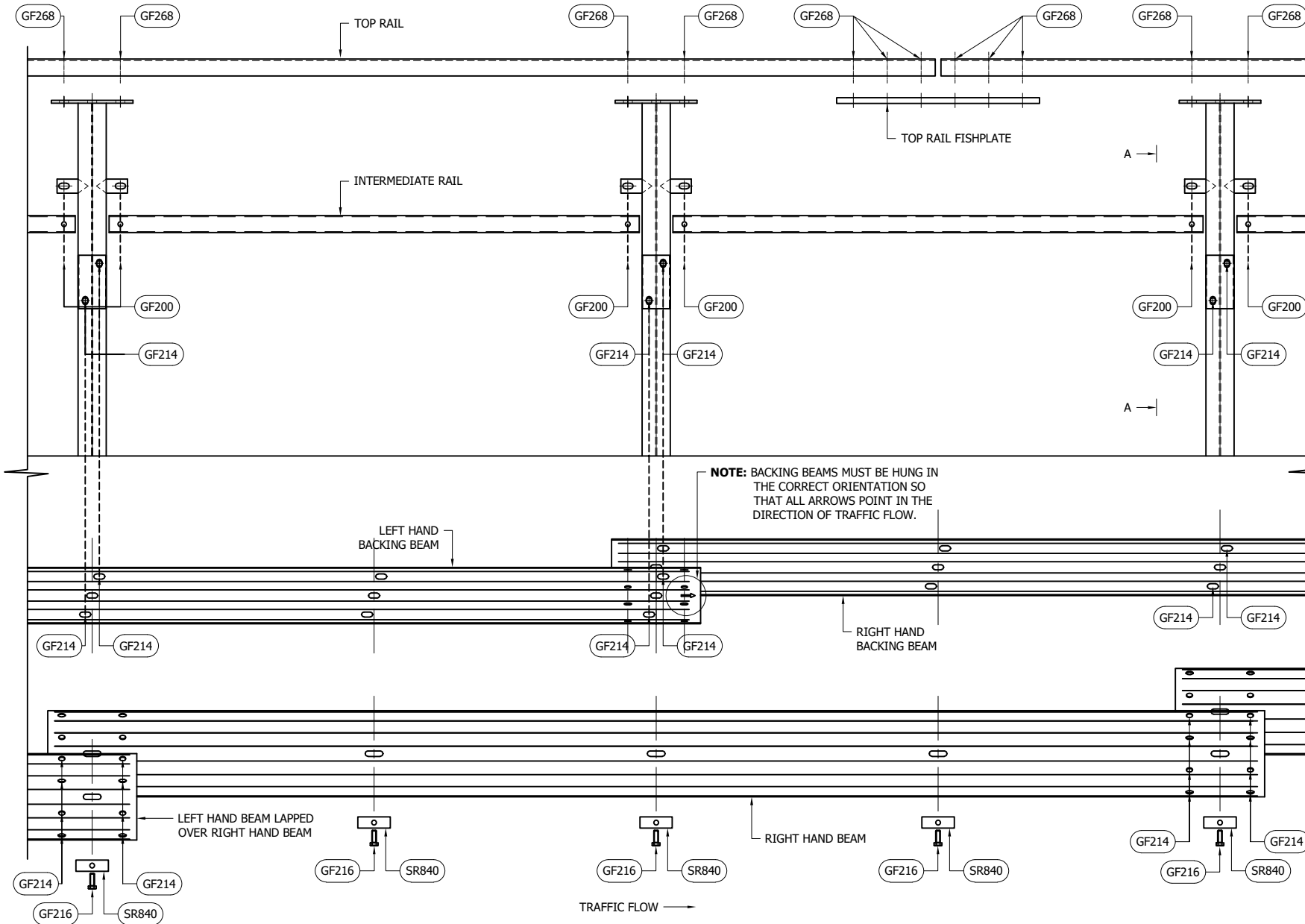
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: H2W1-GA-02      REV#: 09

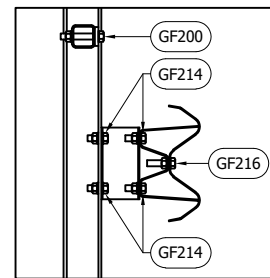


GENERAL NOTES:

- THIS SYSTEM IS NOT SUITABLE FOR INSTALLATIONS OF A RADIUS LESS THAN 80m.
- FOR FURTHER DETAILS ON CONNECTION TO SAFEFLEX TRANSITION, PLEASE SEE H2W1-GA-22 & 23



**NOTE:** BACKING BEAMS MUST BE HUNG IN THE CORRECT ORIENTATION SO THAT ALL ARROWS POINT IN THE DIRECTION OF TRAFFIC FLOW.



SECTION A-A  
AS ASSEMBLED  
(SCALE 1:20)

06	29.11.24	DRAWING UPDATED	H.B
05	23.09.21	CERTAIN TORQUE VALUES CHANGED	A.D
04	27.07.21	DETAILS REVISED	M.T
03	10.03.17	FIXING CODES CORRECTED	M.T
02	30.01.17	DETAILS REVISED	M.T
1.2	18.01.17	PRODUCT CODES REVISED	L.L
REVn	DATE	DETAILS	INITIAL

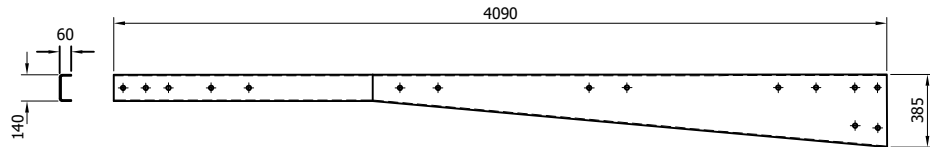
## MegaGuard H2 W1 VI 3

GENERAL LAPPING AND BOLTING ARRANGEMENT

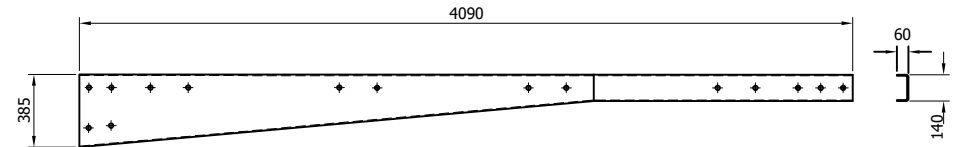


CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
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FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

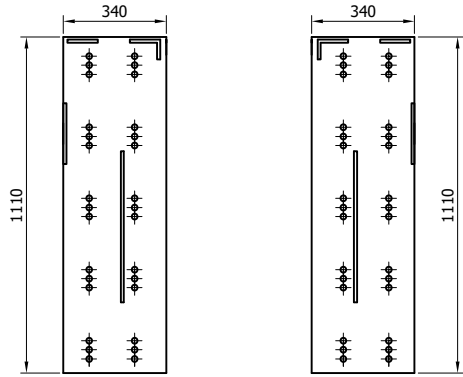
SCHEDULE OF FASTENERS								
REF.	SIZE	TYPE	LENGTH (mm)	GRADE	NUT, No OFF & GRADE	WASHERS, No AND FORM	TORQUE (Nm)	FINISH
GF214	M16	SETSCREW	35	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF216	M16	SETSCREW	65	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF268	M20	SETSCREW	50	8.8	GF243	2 x GF233 FORM 'A'	100-120	SPUN GALVANISED
GF200	M16	SETSCREW	100	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED



SR523 - APPROACH TAPERED TOP RAIL  
SCALE: 1:40

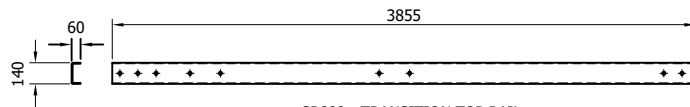


SR522 - DEPARTURE TAPERED TOP RAIL  
SCALE: 1:40

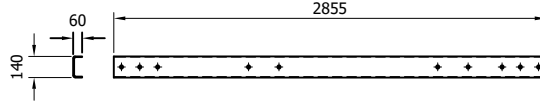


SR502 - 1.25M HIGH APPROACH  
REACTION BRACKET  
SCALE: 1:25

SR503 - 1.25M HIGH DEPARTURE  
REACTION BRACKET  
SCALE: 1:25

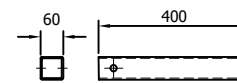


SR800 - TRANSITION TOP RAIL  
SCALE: 1:50

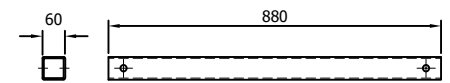


SR526 - TRANSITION TOP RAIL  
SCALE: 1:50

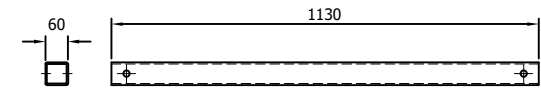
SR800 - USED FOR CONNECTIONS TO SAFEFLEX TRANSITION/SYSTEM PROGRESSION  
SR526 - USED FOR CONTINUATION OF MEGAGUARD FOLLOWING TRANSITION TO CONCRETE



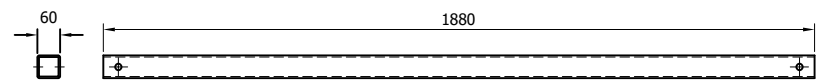
SR508 - END INTERMEDIATE RAIL  
SCALE: 1:20



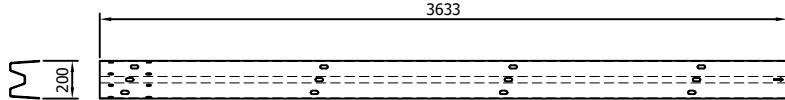
SR509 - 1M BAY INTERMEDIATE RAIL  
SCALE: 1:20



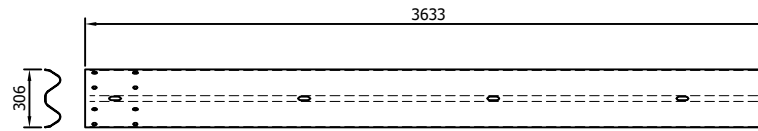
SR510 - 1.25M BAY INTERMEDIATE RAIL  
SCALE: 1:20



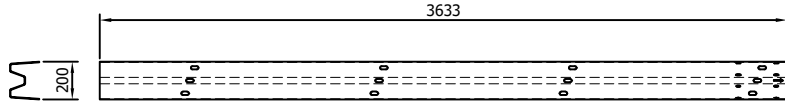
SR830 - 2M BAY INTERMEDIATE RAIL  
SCALE: 1:20



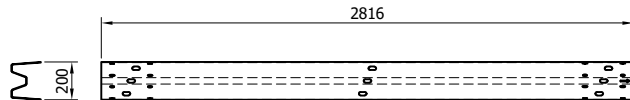
SR524 - APPROACH END BACKING BEAM  
SCALE: 1:40



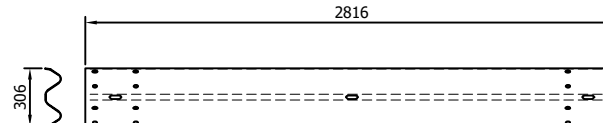
SR521 - END FRONT BEAM  
(APPLICABLE TO APPROACH & DEPARTURE)  
SCALE: 1:40



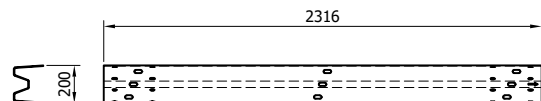
SR525 - DEPARTURE END BACKING BEAM  
SCALE: 1:40



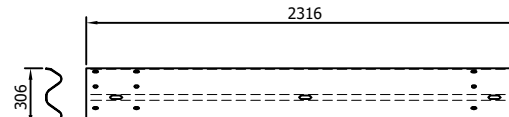
SR527 - TRANSITION BACKING BEAM  
SCALE: 1:40



SR520 - TRANSITION FRONT BEAM  
SCALE: 1:40



SR852 - HALF BACKING BEAM BEAM  
SCALE: 1:40



SR801 - HALF FRONT BEAM  
SCALE: 1:40

08	05/02/26	SR800 ADDED	H.B
07	29/11/24	LOGO UPDATED	H.B
REVn	DATE	DETAILS	INITIAL

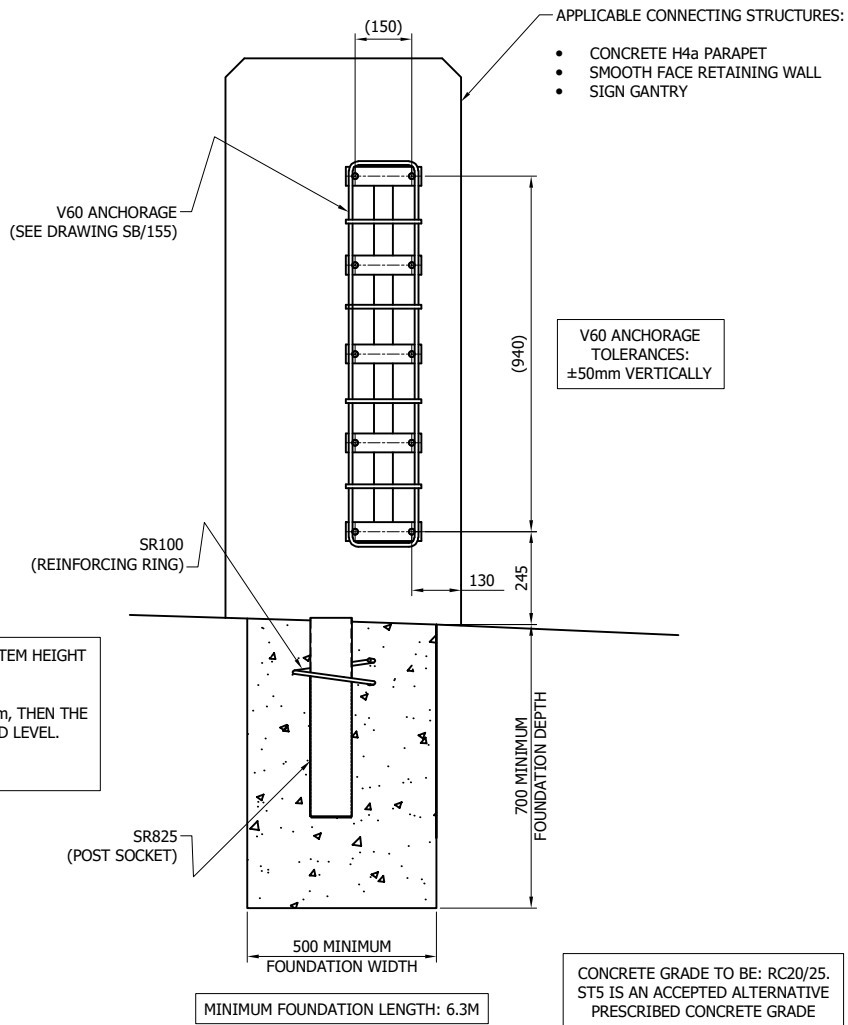
# MegaGuard H2 W1 VI 1

TRANSITION TO CONCRETE  
COMPONENTS SCHEMATIC



CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
H2W1-GA-04	08

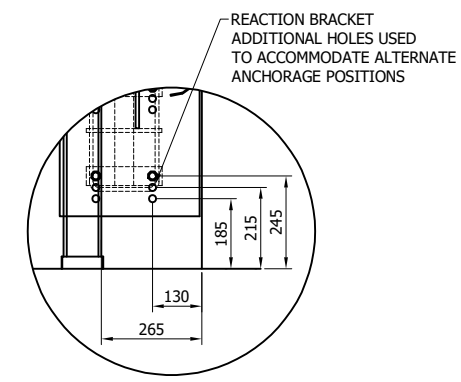


IF THE CONCRETE STRUCTURE SET-BACK IS LESS THAN 1500mm, THEN THE SYSTEM HEIGHT (+/-50mm) IS TO BE TAKEN FROM THE EDGE OF THE PAVED AREA.

IF THE CONCRETE STRUCTURE SETBACK IS EQUAL TO OR GREATER THAN 1500mm, THEN THE SYSTEM HEIGHT (+/-50mm) IS TO BE TAKEN FROM LOCAL/ADJACENT GROUND LEVEL.

FOR FURTHER DETAILS, PLEASE SEE MR-GA-001 & 003.

MEGAGUARD DETAILED WITH SOCKETED POSTS.  
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



REFERENCE REACTION BRACKET POSITIONING DETAIL  
SCALE: 1:20

CONCRETE FOUNDATION & ANCHORAGE POSITIONAL DETAILS  
SCALE: 1:20

09	05/02/26	GENERAL DRAWING UPDATE	H.B
08	19/02/25	GENERAL NOTES UPDATED	H.B
07	29/11/24	LOGO UPDATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard**  
**H2 W1 VI 1**

POST FOUNDATION & ANCHORAGE POSITION DETAIL

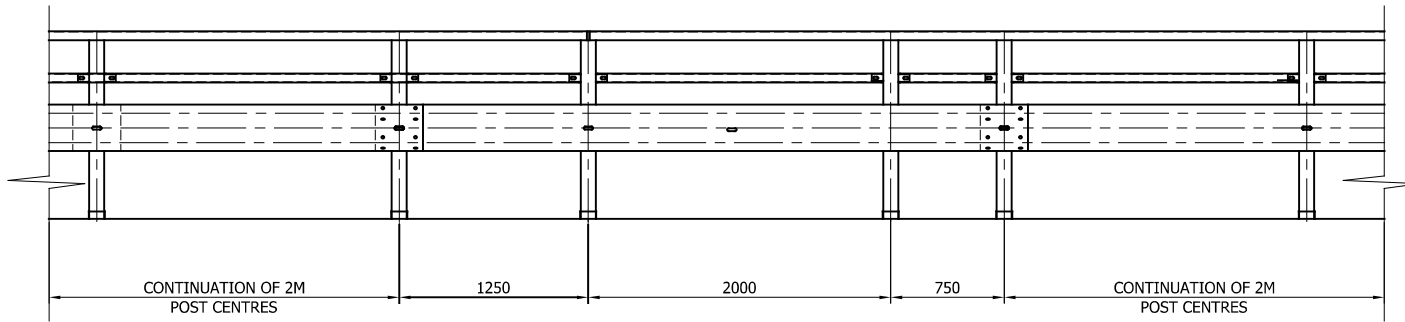
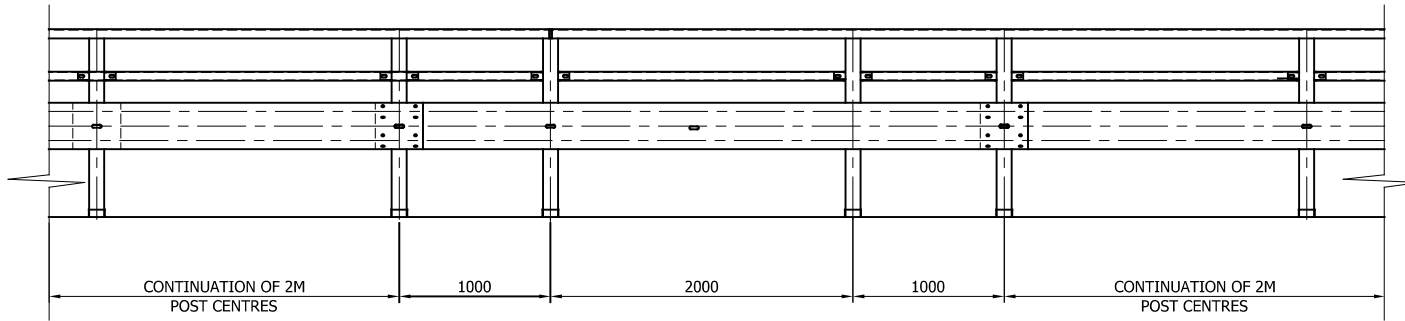
**SAFEROAD**

CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

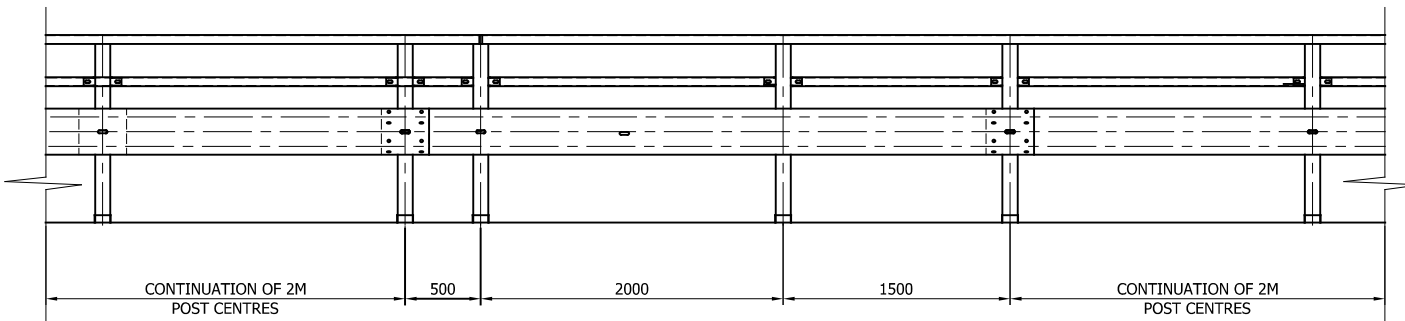
DRAWING NUMBER:	REVn:
H2W1-GA-11	09

GENERAL NOTES:

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL, SIGN GANTRY OR STRUCTURE.
- FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155, EXCEPT MATERIAL TO BE STAINLESS STEEL GRADE 1.4362.
- TOTAL LENGTH OF BARRIER TO BE AS STATED IN CD 377.
- MINIMUM LENGTH OF FOUNDATION 6.3m.  
MEGAGUARD AT STANDARD 2.0 METRE POST SPACING OR PERMISSIBLE DEVIATIONS CAN BE INSTALLED ON SINGULAR CONCRETE FOUNDATIONS - SIZE & TYPE DETERMINED BY FOLLOWING THE FOUNDATION TESTING PROCEDURE.



CAN BE REVERSED TO SUIT SITE REQUIREMENT



CAN BE REVERSED TO SUIT SITE REQUIREMENT

REVn	DATE	DETAILS	INITIAL
02	29.11.24	LOGO UPDATED	A.D
01	27.06.22	NOTES CHANGED	A.D
00	22.02.22	DRAWING CREATED	M.T

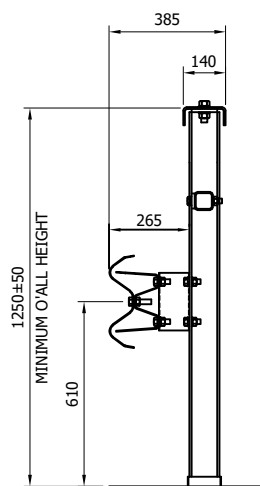
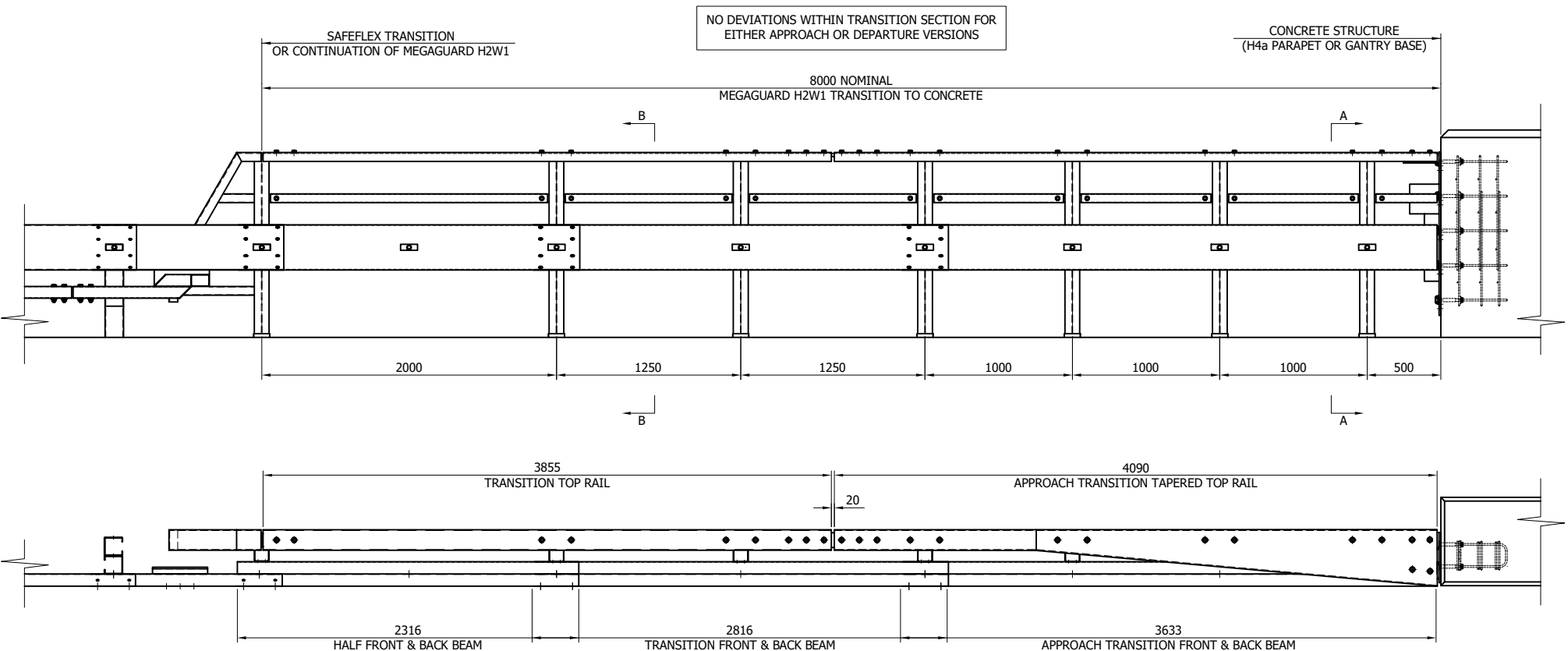
# MegaGuard H2 W1 VI 3

POST CENTRE DEVIATIONS  
H2/W1 MEGAGUARD

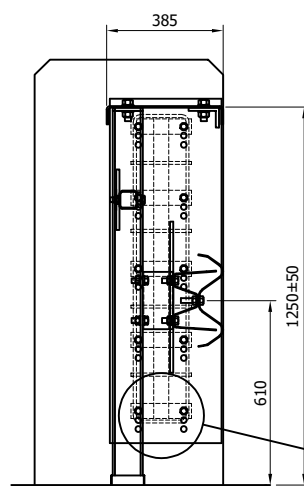


CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
H2W1-GA-40	02

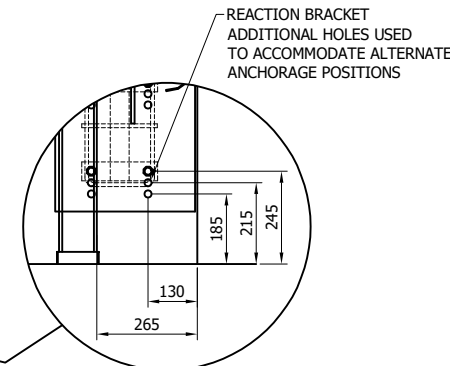


SECTION B-B  
SCALE: 1:25



SECTION A-A  
SCALE: 1:25

MEGAGUARD DETAILED WITH SOCKETED POSTS.  
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



REACTION BRACKET  
POSITIONING DETAIL  
SCALE: 1:20

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
5. V60 ANCHOR CRADLE DETAILED WITHIN DRAWING. ANCHORS CAN ALSO BE DRILL & FIXED, WITH AN EMBEDMENT DEPTH OF 280mm. PULL OUT TEST LOAD TO BE 50kN.

00	09/01/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

# MegaGuard H2 W1 VI 1

8M APPROACH TRANSITION TO  
CONCRETE SCHEMATIC



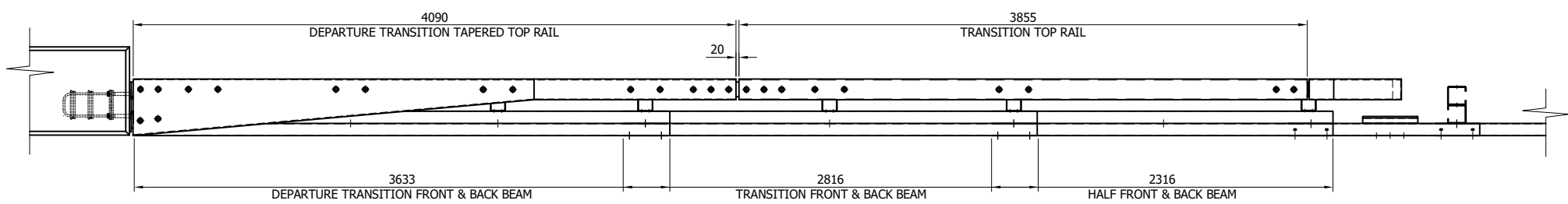
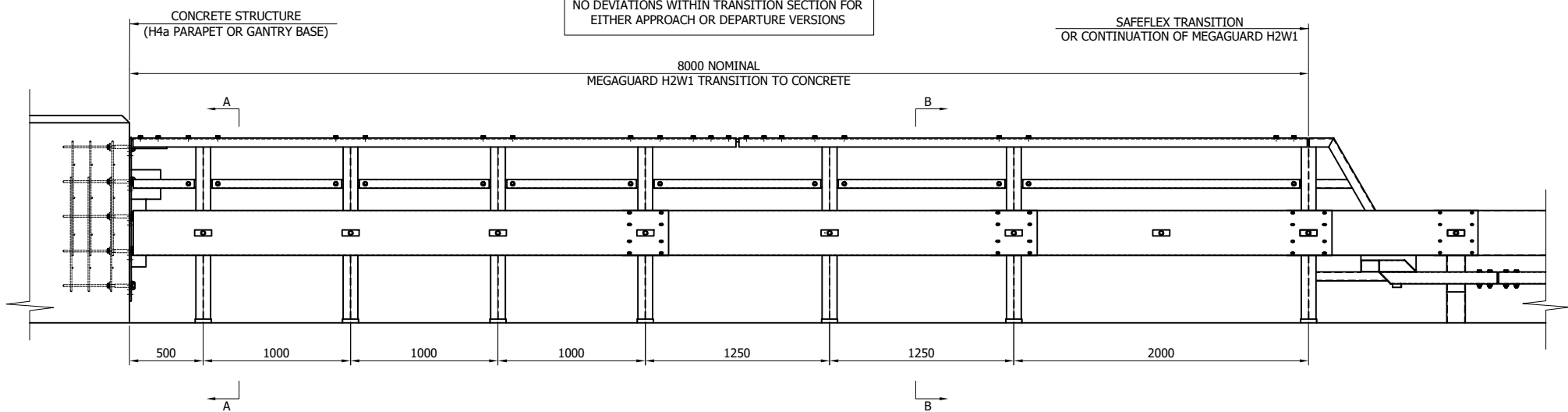
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
-----------------	-------

H2W1-GA-41

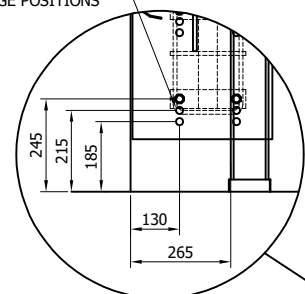
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NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

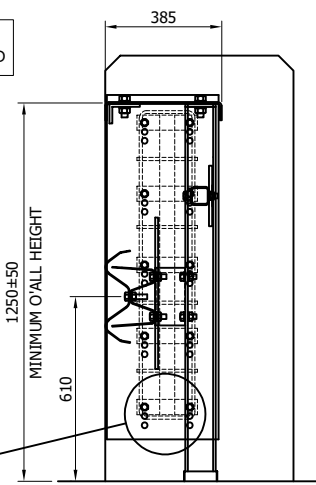


MEGAGUARD DETAILED WITH SOCKETED POSTS. TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED

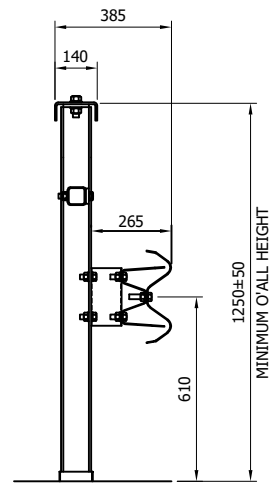
REACTION BRACKET ADDITIONAL HOLES USED TO ACCOMMODATE ALTERNATE ANCHORAGE POSITIONS



REACTION BRACKET POSITIONING DETAIL SCALE: 1:20



SECTION A-A SCALE: 1:25



SECTION B-B SCALE: 1:25

- GENERAL NOTES:**
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
  - FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
  - FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
  - V60 ANCHOR CRADLE DETAILED WITHIN DRAWING. ANCHORS CAN ALSO BE DRILL & FIXED, WITH AN EMBEDMENT DEPTH OF 280mm. PULL OUT TEST LOAD TO BE 50kN.

00	12/01/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard H2 W1 VI 1**

8M DEPARTURE TRANSITION TO CONCRETE SCHEMATIC

**SAFEROAD**

CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

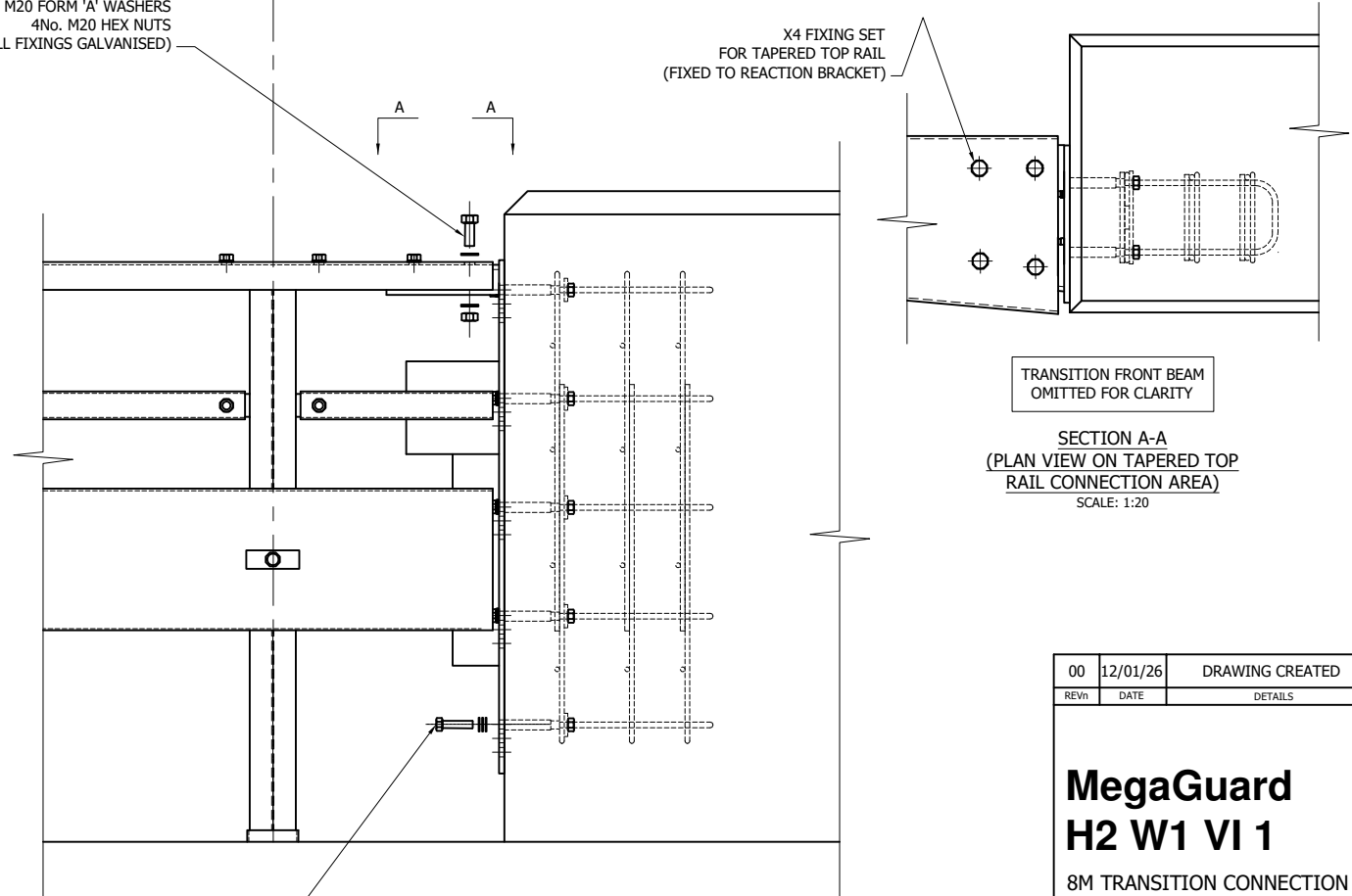
DRAWING NUMBER:	REVn:
H2W1-GA-42	00

TAPERED TOP RAIL CONNECTION FIXINGS:  
(PER TAPERED TOP RAIL)

4No. M20x50 SET SCREW 8.8  
8No. M20 FORM 'A' WASHERS  
4No. M20 HEX NUTS  
(ALL FIXINGS GALVANISED)

STANDARD MEGAGUARD TRANSITION FIXINGS  
(SEE SYSTEM GA DRAWINGS & MANUAL)

X4 FIXING SET  
FOR TAPERED TOP RAIL  
(FIXED TO REACTION BRACKET)



TRANSITION FRONT BEAM  
OMITTED FOR CLARITY

SECTION A-A  
(PLAN VIEW ON TAPERED TOP  
RAIL CONNECTION AREA)  
SCALE: 1:20

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
4. V60 ANCHOR CRADLE DETAILED WITHIN DRAWING. ANCHORS CAN ALSO BE DRILL & FIXED, WITH AN EMBEDMENT DEPTH OF 280mm. PULL OUT TEST LOAD TO BE 50kN.
5. FOR FIXING DETAILS OUTSIDE OF CONNECTION AREA DETAILED WITHIN THIS DRAWING, PLEASE SEE MEGAGUARD MANUAL
6. FIXING SCHEMATIC APPLICABLE TO BOTH APPROACH & DEPARTURE TRANSITIONS

REACTION BRACKET ANCHOR FIXINGS:  
(PER REACTION BRACKET)

10No. M16x65 ST/ST SET SCREW  
10No. M16 ST/ST FORM 'A' WASHERS  
10No. M16 NYLON WASHERS  
10No. M16 GALV LARGE WASHERS

00	12/01/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

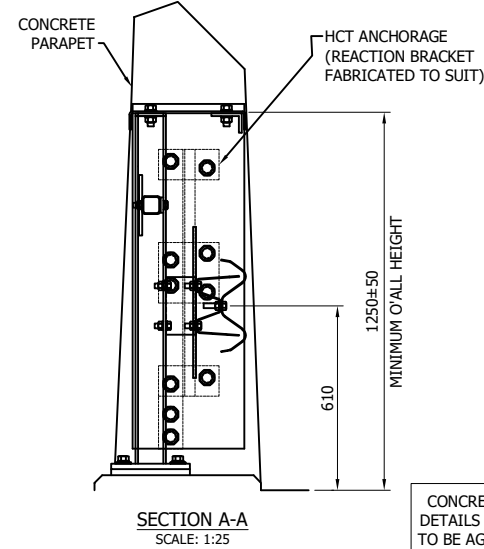
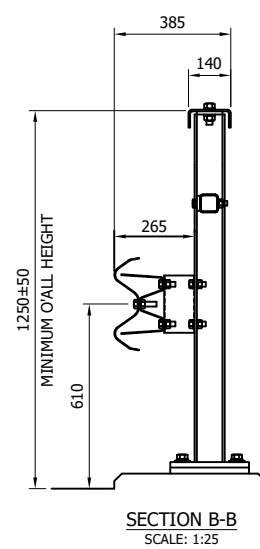
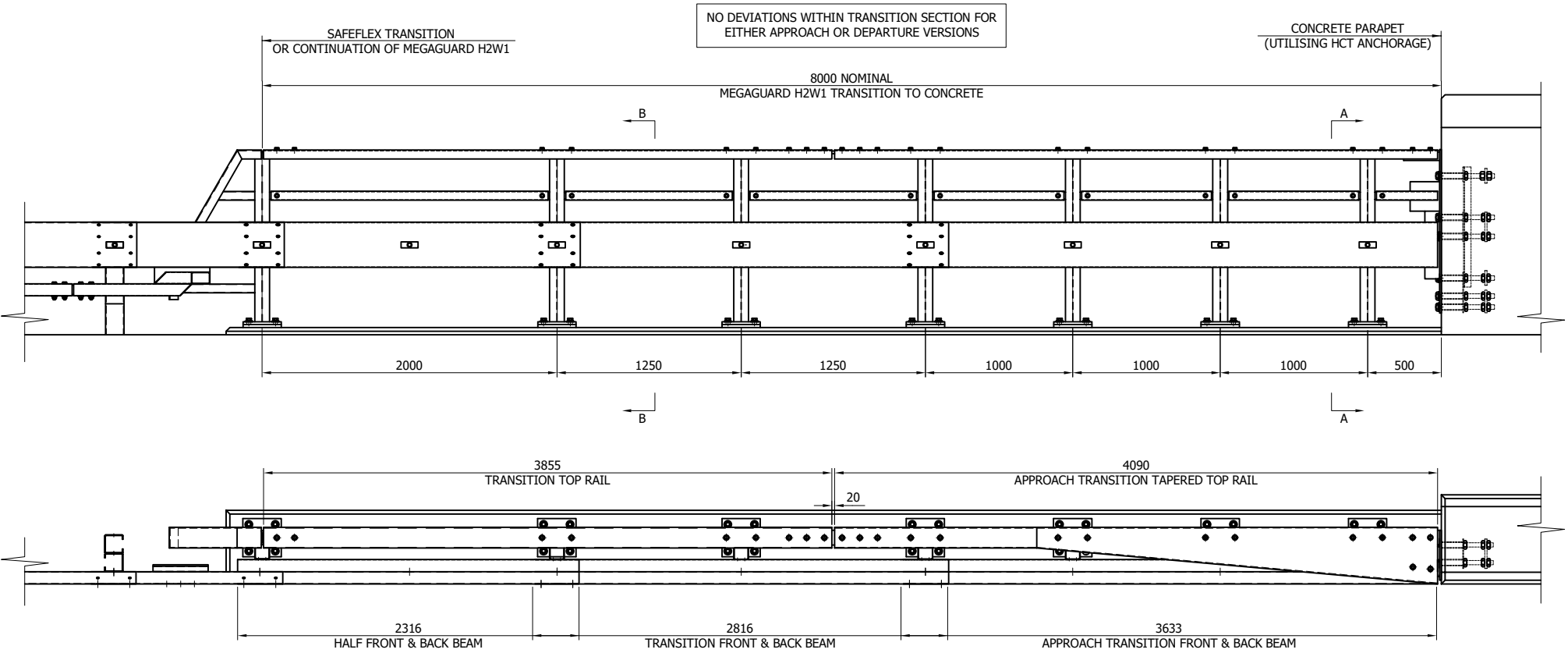
# MegaGuard H2 W1 VI 1

8M TRANSITION CONNECTION AREA  
FIXING SCHEMATIC



CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
H2W1-GA-43	00



CONCRETE PARAPET DIMENSIONS VARY. DETAILS OF PARAPET & CRADLE POSITION TO BE AGREED PRIOR TO COMMENCEMENT OF REACTION BRACKET FABRICATION

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO CONCRETE PARAPET UTILISING THE HCT/D/03 CRADLE ANCHOR
3. FOR DETAILS OF STRUCTURE ANCHORAGE, SEE DRAWING HCT/D/03
4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
5. IF GROUND LEVEL IS 0.5° OR UNDER, POSTS ARE TO BE FABRICATED LEVEL

00	06/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

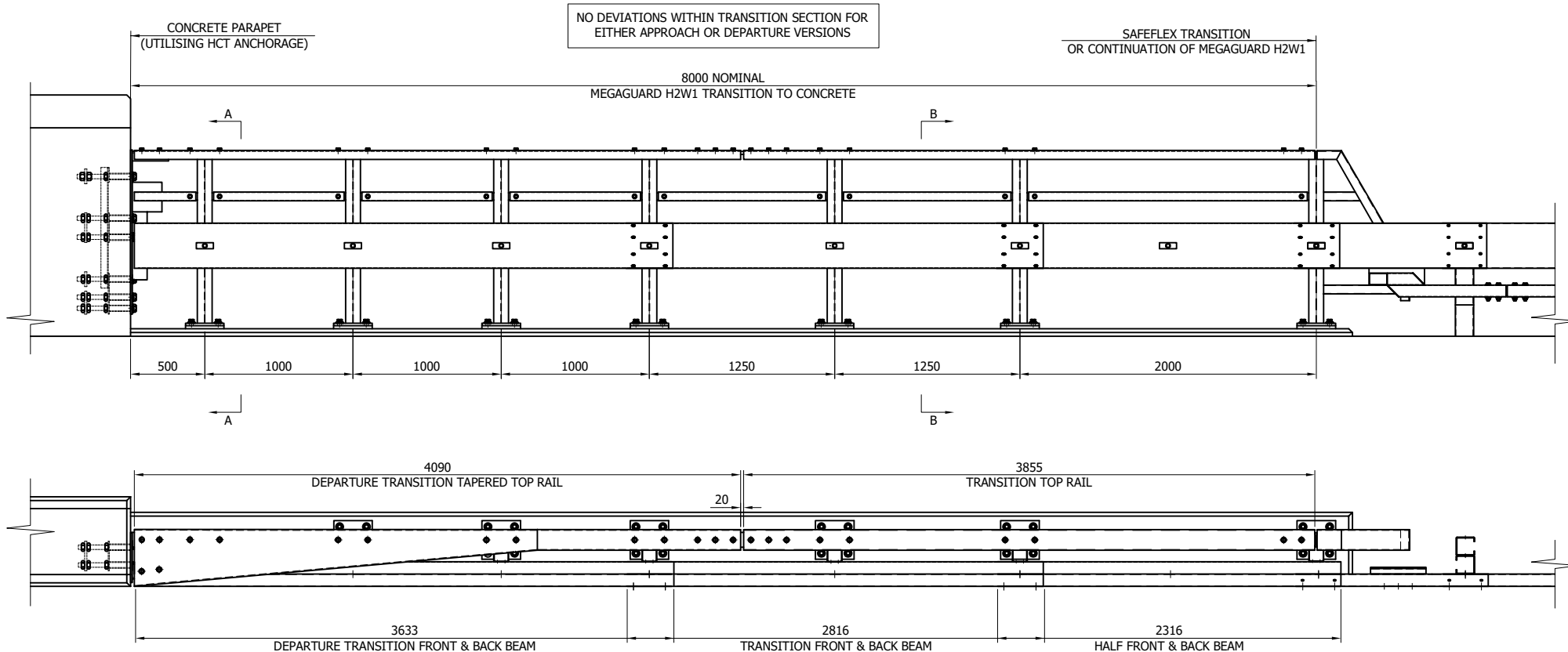
**MegaGuard  
H2 W1 VI 1**

8M APPROACH TRANSITION TO CONCRETE (HCT ANCHORAGE) WITH SURFACE MOUNTED POSTS

**SAFEROAD**

CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
<b>H2W1-GA-44</b>	<b>00</b>



NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

SAFEX TRANSITION  
OR CONTINUATION OF MEGAGUARD H2W1

4090  
DEPARTURE TRANSITION TAPERED TOP RAIL

3855  
TRANSITION TOP RAIL

3633  
DEPARTURE TRANSITION FRONT & BACK BEAM

2816  
TRANSITION FRONT & BACK BEAM

2316  
HALF FRONT & BACK BEAM

HCT ANCHORAGE  
(REACTION BRACKET  
FABRICATED TO SUIT)

CONCRETE  
PARAPET

1250±50  
MINIMUM O'ALL HEIGHT

610

SECTION A-A  
SCALE: 1:25

385

140

265

1250±50  
MINIMUM O'ALL HEIGHT

610

SECTION B-B  
SCALE: 1:25

CONCRETE PARAPET DIMENSIONS VARY.  
DETAILS OF PARAPET & CRADLE POSITION  
TO BE AGREED PRIOR TO COMMENCEMENT  
OF REACTION BRACKET FABRICATION

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO CONCRETE PARAPET UTILISING THE HCT/D/03 CRADLE ANCHOR
3. FOR DETAILS OF STRUCTURE ANCHORAGE, SEE DRAWING HCT/D/03
4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
5. IF GROUND LEVEL IS 0.5° OR UNDER, POSTS ARE TO BE FABRICATED LEVEL

00	06/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

# MegaGuard H2 W1 VI 1

8M DEPARTURE TRANSITION TO  
CONCRETE (HCT ANCHORAGE) WITH  
SURFACE MOUNTED POSTS

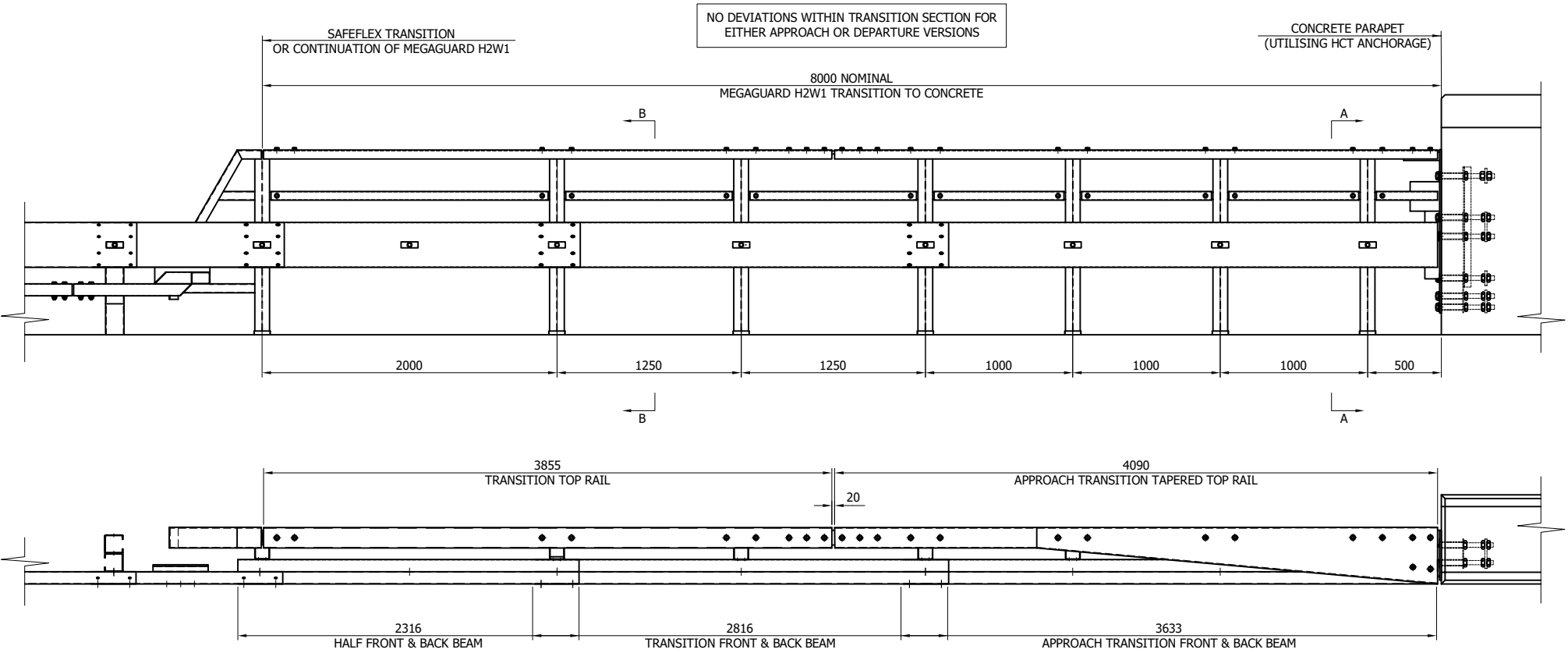


CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
-----------------	-------

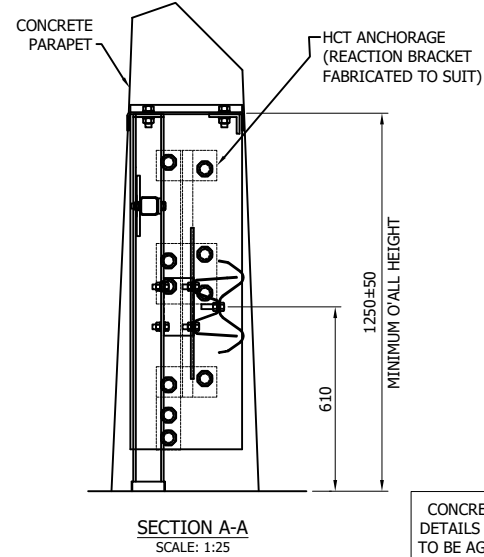
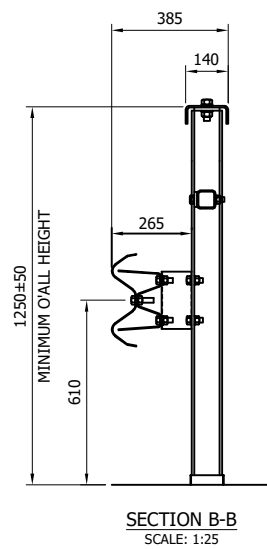
H2W1-GA-45

00



NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. CONNECTION APPLICABLE TO CONCRETE PARAPET UTILISING THE HCT/D/03 CRADLE ANCHOR
  3. FOR DETAILS OF STRUCTURE ANCHORAGE, SEE DRAWING HCT/D/03
  4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEXLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
  5. IF GROUND LEVEL IS 0.5° OR UNDER, POSTS ARE TO BE FABRICATED LEVEL



CONCRETE PARAPET DIMENSIONS VARY. DETAILS OF PARAPET & CRADLE POSITION TO BE AGREED PRIOR TO COMMENCEMENT OF REACTION BRACKET FABRICATION

00	09/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

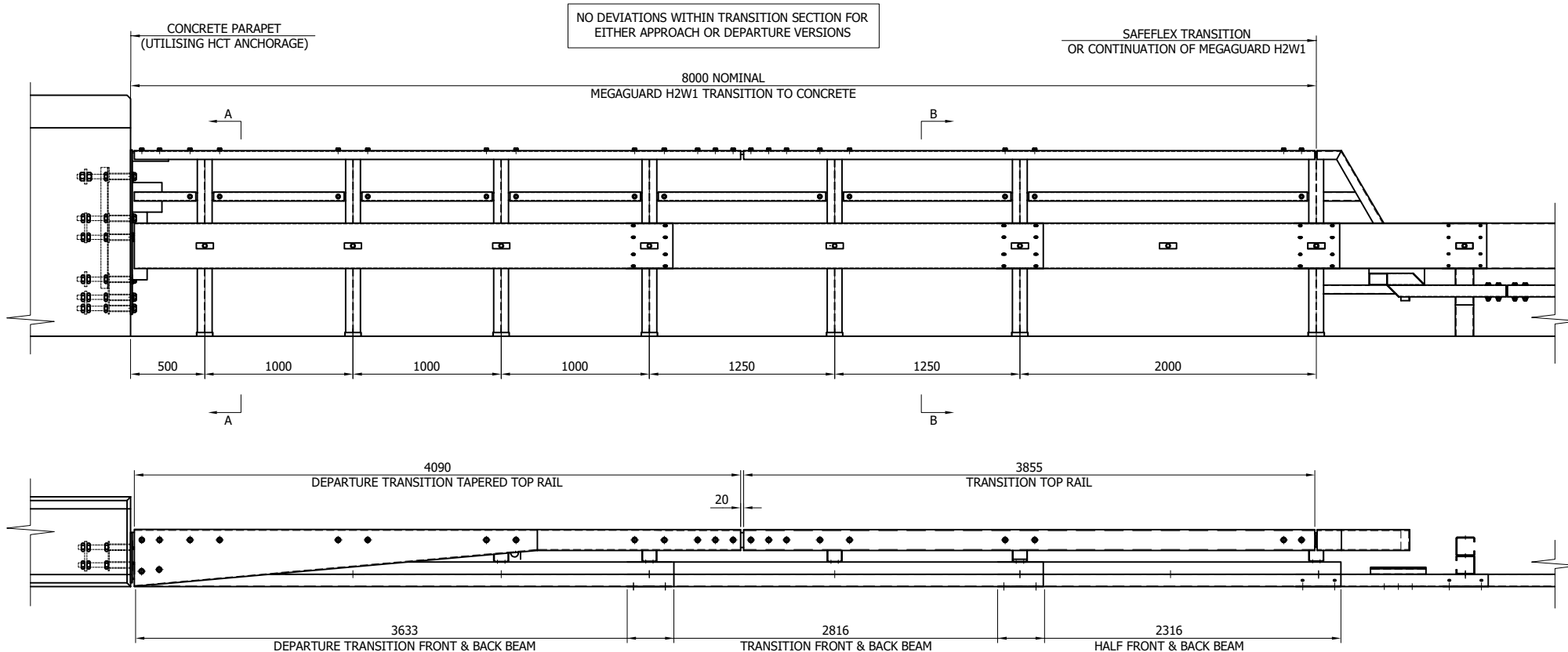
**MegaGuard H2 W1 VI 1**

8M APPROACH TRANSITION TO CONCRETE (HCT ANCHORAGE) WITH CONCRETE FOUNDATION

**SAFEROAD**

CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
H2W1-GA-46	00



NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

SAFEX TRANSITION  
OR CONTINUATION OF MEGAGUARD H2W1

8000 NOMINAL  
MEGAGUARD H2W1 TRANSITION TO CONCRETE

4090  
DEPARTURE TRANSITION TAPERED TOP RAIL

3855  
TRANSITION TOP RAIL

3633  
DEPARTURE TRANSITION FRONT & BACK BEAM

2816  
TRANSITION FRONT & BACK BEAM

2316  
HALF FRONT & BACK BEAM

HCT ANCHORAGE  
(REACTION BRACKET  
FABRICATED TO SUIT)

CONCRETE  
PARAPET

1250±50  
MINIMUM O'ALL HEIGHT

610

SECTION A-A  
SCALE: 1:25

385

140

1250±50  
MINIMUM O'ALL HEIGHT

265

SECTION B-B  
SCALE: 1:25

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO CONCRETE PARAPET UTILISING THE HCT/D/03 CRADLE ANCHOR
3. FOR DETAILS OF STRUCTURE ANCHORAGE, SEE DRAWING HCT/D/03
4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
5. IF GROUND LEVEL IS 0.5° OR UNDER, POSTS ARE TO BE FABRICATED LEVEL

CONCRETE PARAPET DIMENSIONS VARY.  
DETAILS OF PARAPET & CRADLE POSITION  
TO BE AGREED PRIOR TO COMMENCEMENT  
OF REACTION BRACKET FABRICATION

00	09/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

# MegaGuard H2 W1 VI 1

8M DEPARTURE TRANSITION TO  
CONCRETE (HCT ANCHORAGE) WITH  
CONCRETE FOUNDATIONS

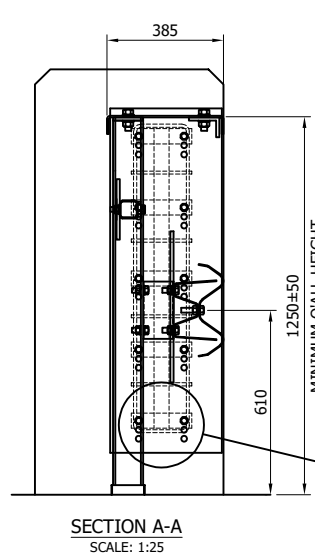
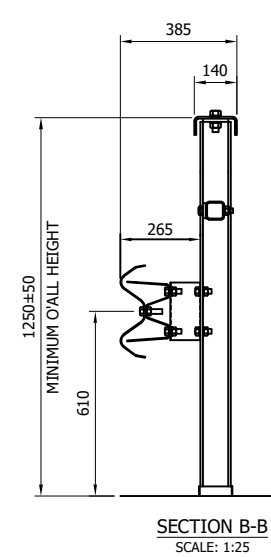
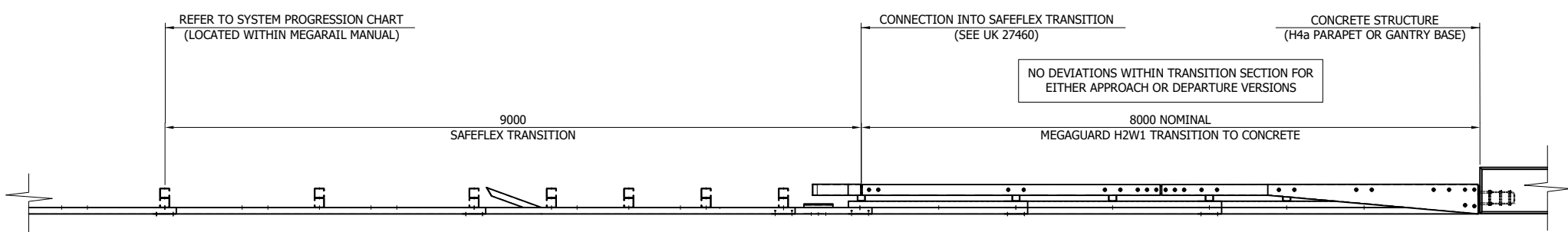
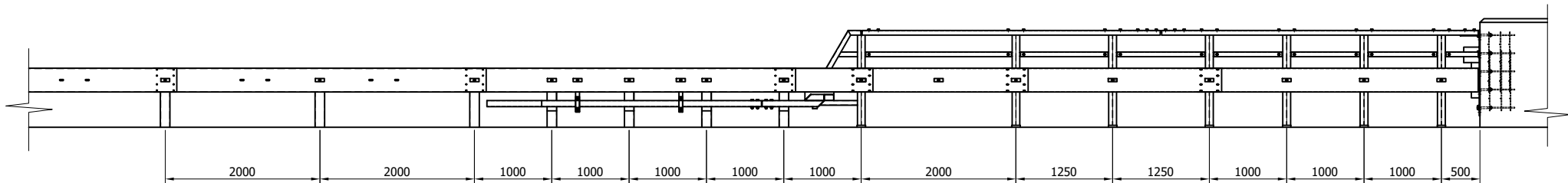


CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

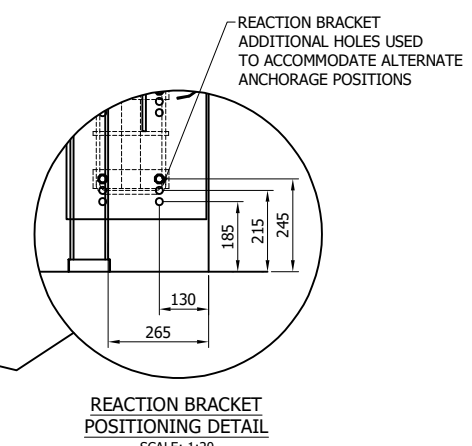
DRAWING NUMBER:	REVn:
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H2W1-GA-47

00



MEGAGUARD DETAILED WITH SOCKETED POSTS.  
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



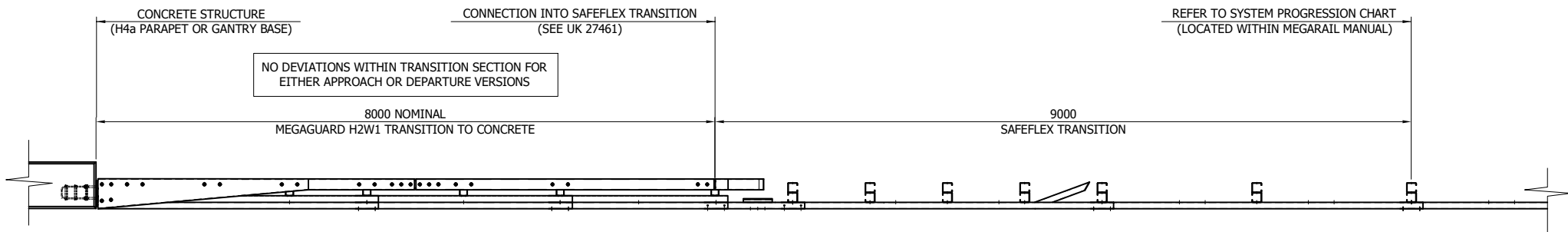
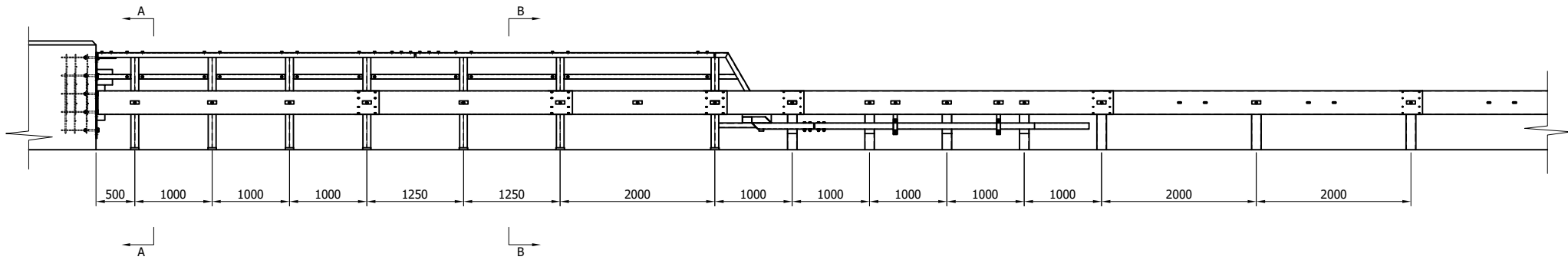
- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
  3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
  4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
  5. V60 ANCHOR CRADLE DETAILED WITHIN DRAWING. ANCHORS CAN ALSO BE DRILL & FIXED, WITH AN EMBEDMENT DEPTH OF 280mm. PULL OUT TEST LOAD TO BE 50kN.

00	09/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard  
H2 W1 VI 1**  
8M APPROACH TRANSITION TO  
CONCRETE CONNECTION INTO  
SAFEFLEX TRANSITION

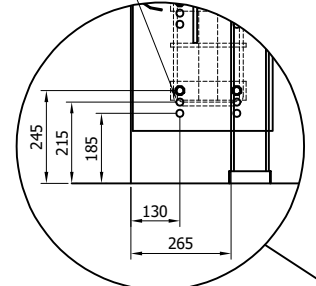
**SAFEROAD**  
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-48</b>	REVn: <b>00</b>
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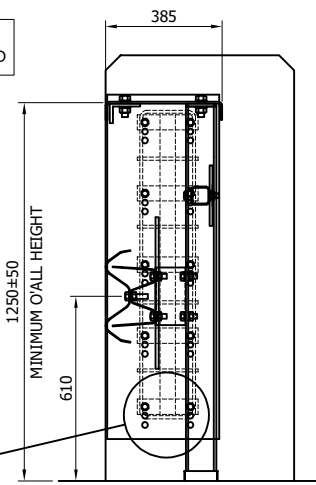


MEGAGUARD DETAILED WITH SOCKETED POSTS.  
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED

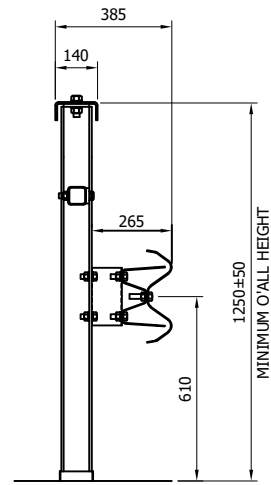
REACTION BRACKET  
ADDITIONAL HOLES USED  
TO ACCOMMODATE ALTERNATE  
ANCHORAGE POSITIONS



REACTION BRACKET  
POSITIONING DETAIL  
SCALE: 1:20



SECTION A-A  
SCALE: 1:25



SECTION B-B  
SCALE: 1:25

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
4. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
5. V60 ANCHOR CRADLE DETAILED WITHIN DRAWING. ANCHORS CAN ALSO BE DRILL & FIXED, WITH AN EMBEDMENT DEPTH OF 280mm. PULL OUT TEST LOAD TO BE 50kN.

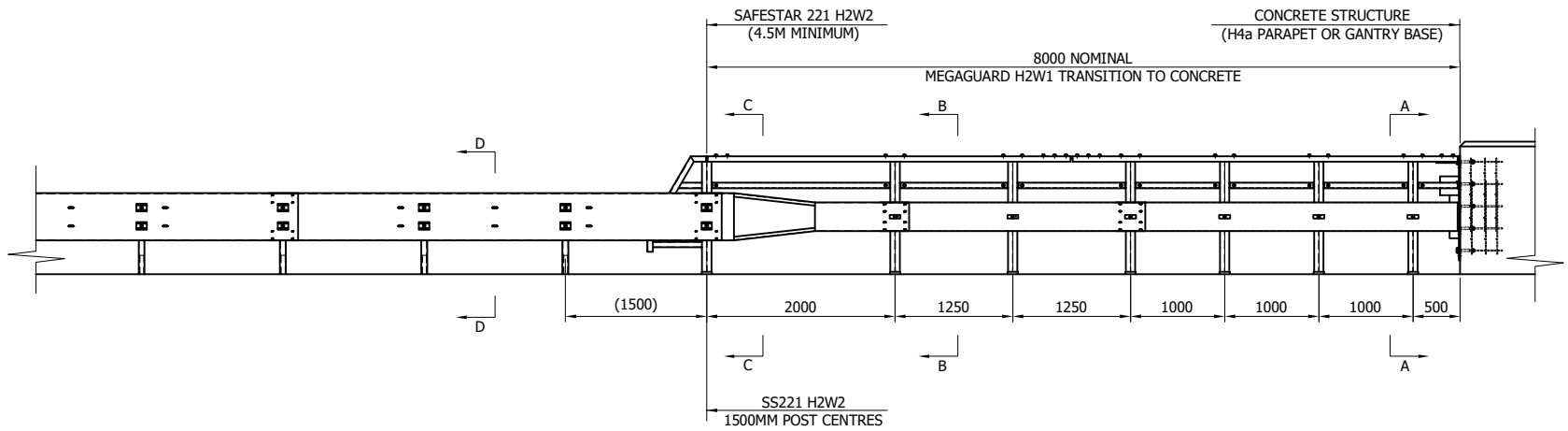
00	12/01/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard  
H2 W1 VI 1**  
8M DEPARTURE TRANSITION TO  
CONCRETE CONNECTION INTO  
SAFEFLEX TRANSITION

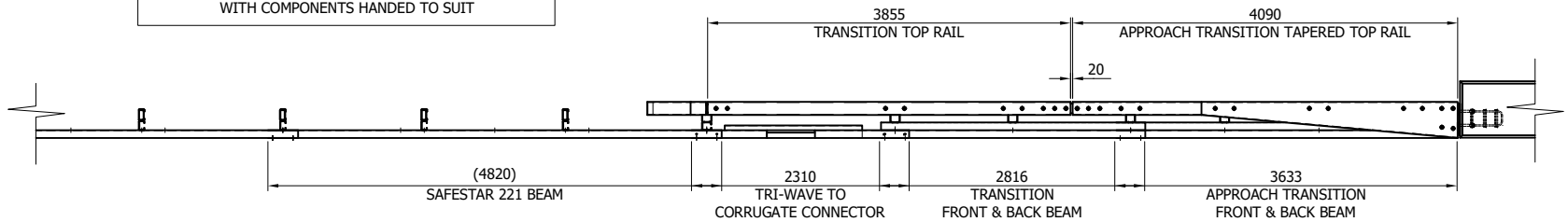
**SAFEROAD**  
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-49</b>	REVn: <b>00</b>
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NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

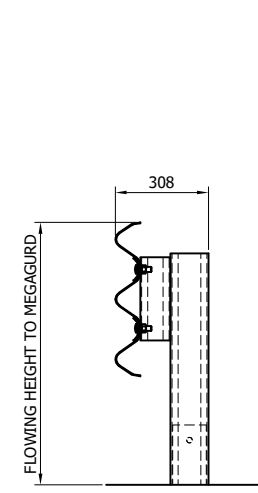
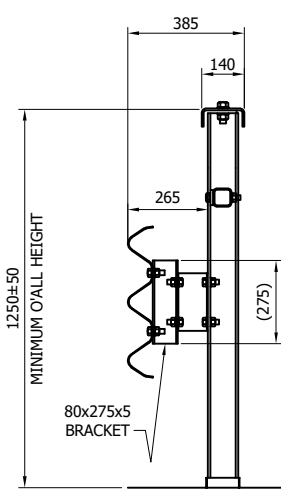
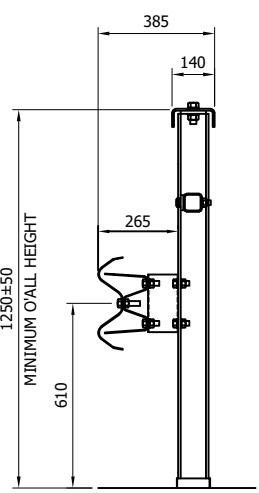
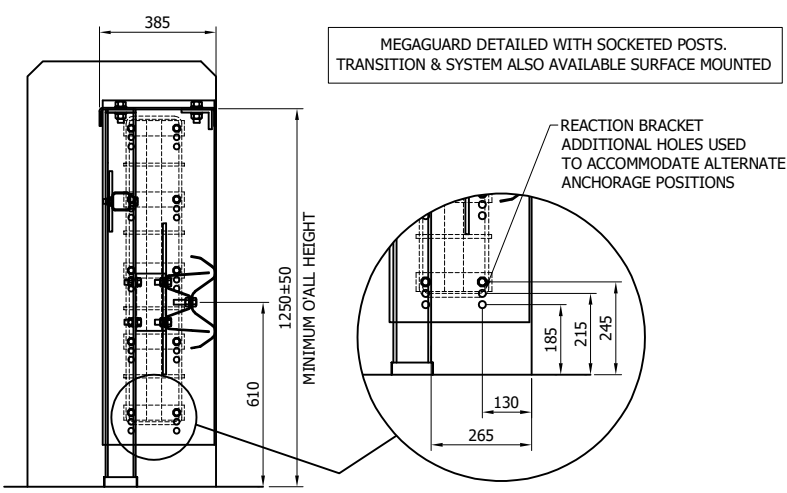


DEPARTURE ARRANGEMENT IDENTICAL IN CONFIGURATION, WITH COMPONENTS HANDED TO SUIT



GENERAL NOTES;

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
4. FOR GENERAL ARRANGEMENT DETAILS OF H2W2 SAFESTAR 221, SEE SYSTEM MANUAL DRAWINGS
5. SAFESTAR 221 BEAMS TO BE INSTALLED AT FLOWING HEIGHT TO MEGAGUARD BEAMS, GRADUALLY RETURNING TO SET SYSTEM HEIGHT



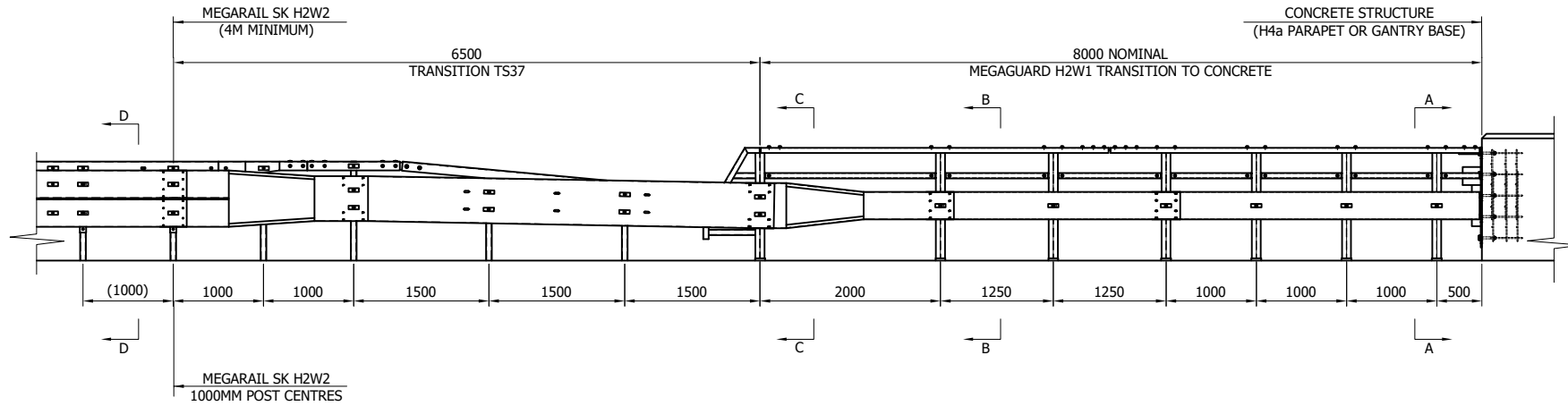
00	09/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard**  
**H2 W1 VI 1**  
 8M APPROACH TRANSITION TO CONCRETE INTO SYSTEM PROGRESSION FROM SAFESTAR 221 (H2W2)

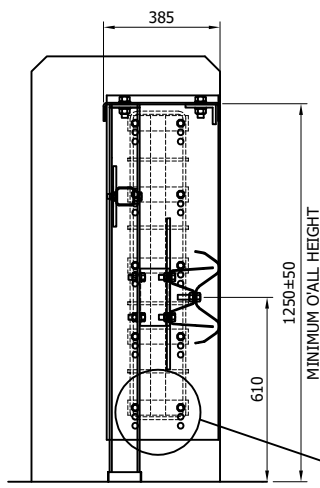
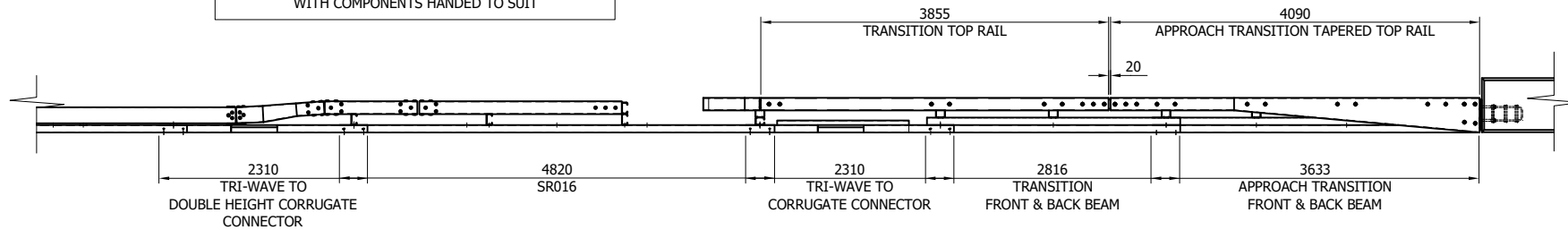
**SAFEROAD**  
 CONCORD HOUSE,  
 BESSEMER WAY, SCUNTHORPE,  
 NORTH LINCOLNSHIRE, DN15 8XE  
 t: 01724 289119  
 FOR TECHNICAL ASSISTANCE CONTACT  
 e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-50</b>	REVn: <b>00</b>
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NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

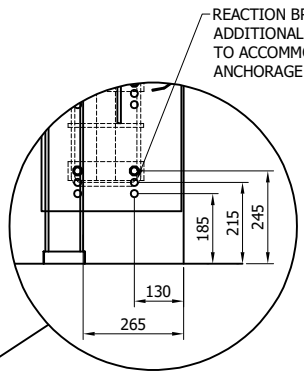


- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
  2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
  3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155.
  4. FOR GENERAL ARRANGEMENT DETAILS OF H2W2 MEGARAIL SK, SEE SYSTEM MANUAL DRAWINGS

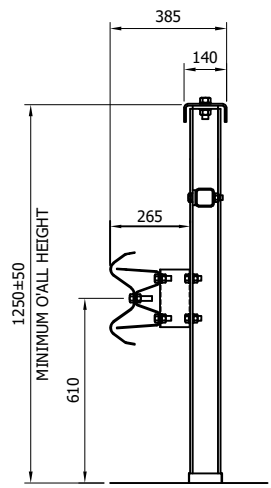


SECTION A-A  
SCALE: 1:25

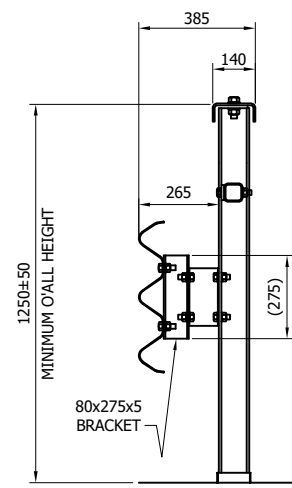
MEGAGUARD DETAILED WITH SOCKETED POSTS. TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



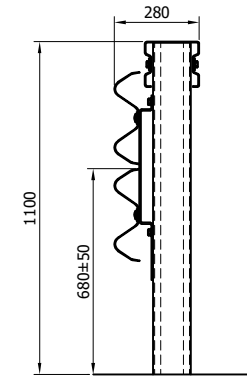
REACTION BRACKET POSITIONING DETAIL  
SCALE: 1:20



SECTION B-B  
SCALE: 1:25



SECTION C-C  
SCALE: 1:25



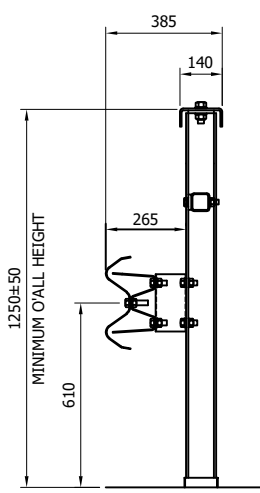
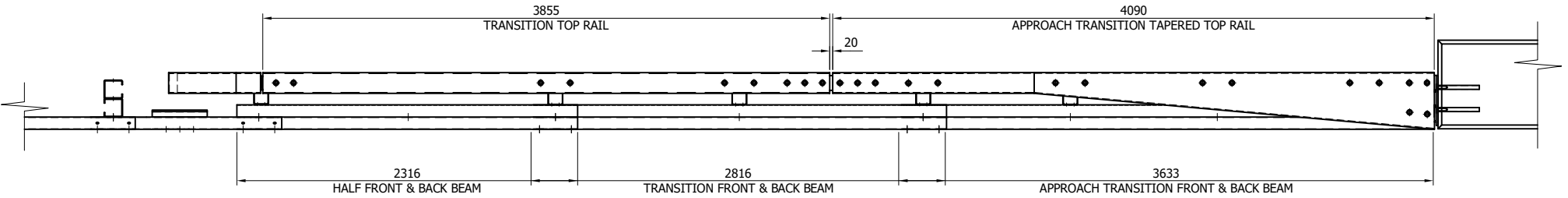
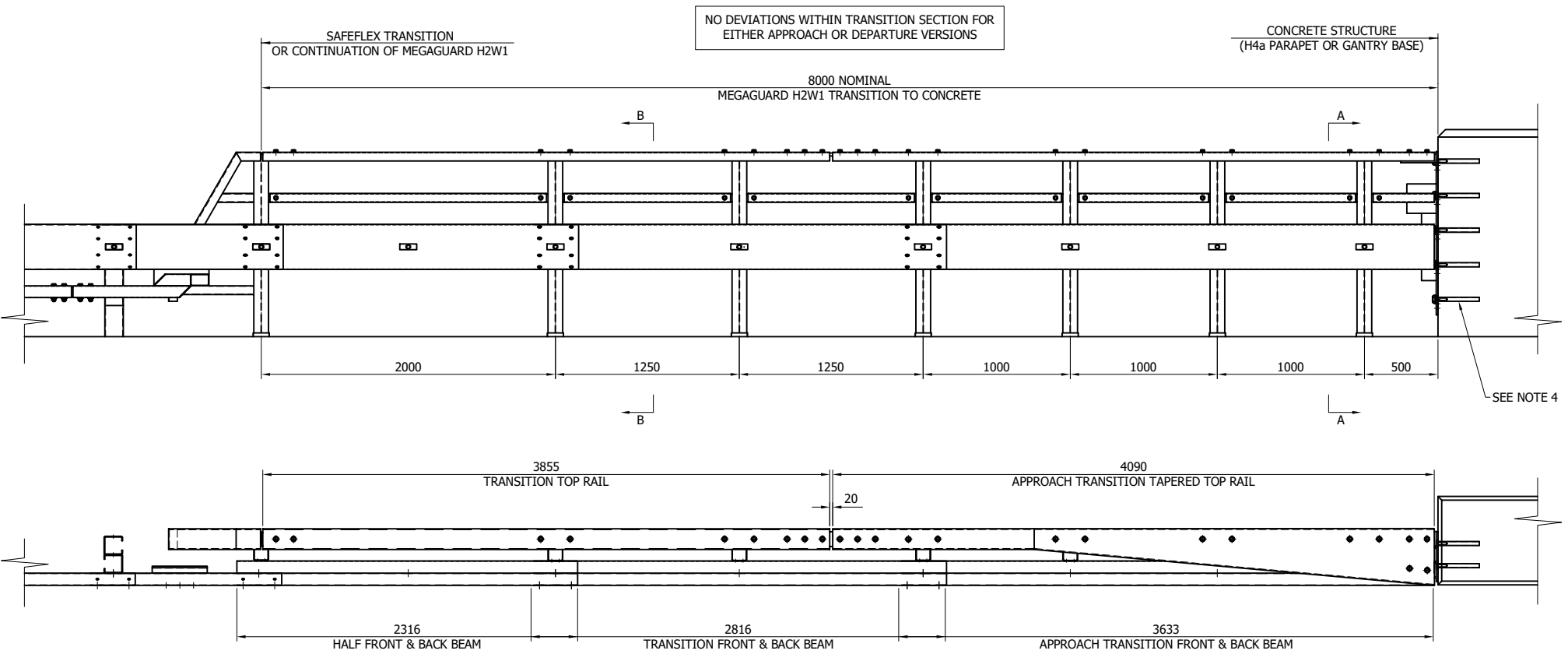
SECTION D-D  
SCALE: 1:25

00	10/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

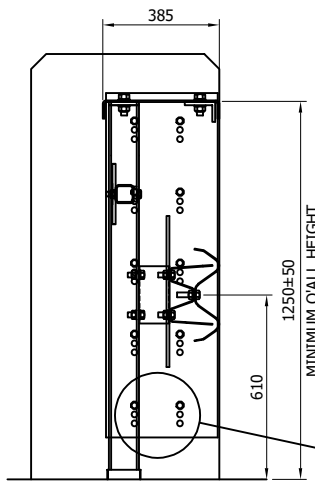
**MegaGuard H2 W1 VI 1**  
8M APPROACH TRANSITION TO CONCRETE INTO SYSTEM PROGRESSION FROM MEGARAIL SK (H2W2)

**SAFEROAD**  
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-51</b>	REVn: <b>00</b>
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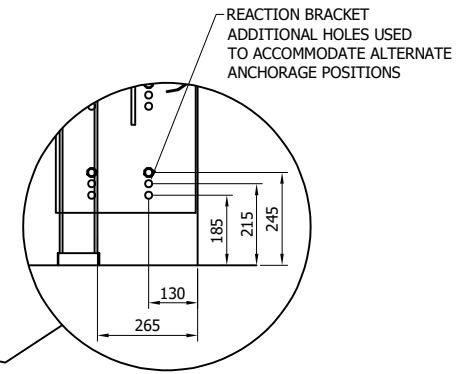


SECTION B-B  
SCALE: 1:25



SECTION A-A  
SCALE: 1:25

MEGAGUARD DETAILED WITH SOCKETED POSTS.  
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



REACTION BRACKET  
POSITIONING DETAIL  
SCALE: 1:20

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
4. DRILL & FIX RESIN BONDED ANCHORS INTO CONCRETE H4a TO BE SSR-VD1 M16x280 INTERNALLY THREADED CHEMICAL ANCHOR SOCKETS, WITH GLASS RESIN CAPSULES. Ø28 X 280MM DRILLING DEPTH REQUIRED

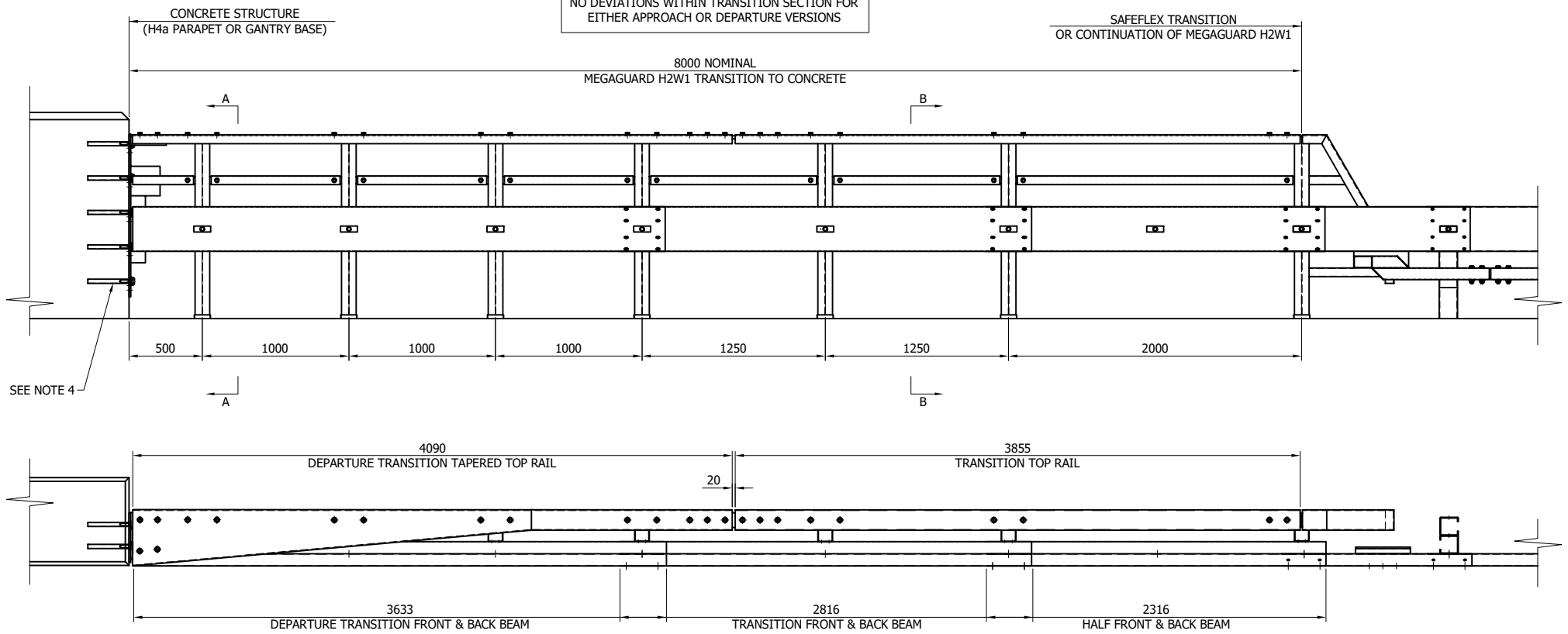
00	10/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard  
H2 W1 VI 1**  
8M APPROACH TRANSITION TO  
CONCRETE SCHEMATIC  
(DETAILED WITH DRILL & FIX  
ANCHORAGES)

**SAFEROAD**  
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-52</b>	REVn: <b>00</b>
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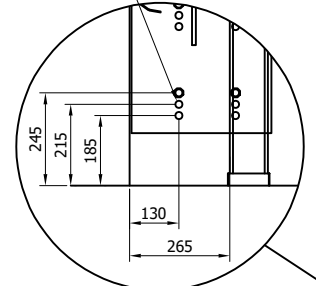
NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS



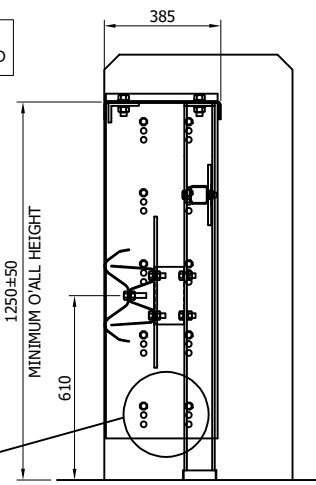
SEE NOTE 4

MEGAGUARD DETAILED WITH SOCKETED POSTS. TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED

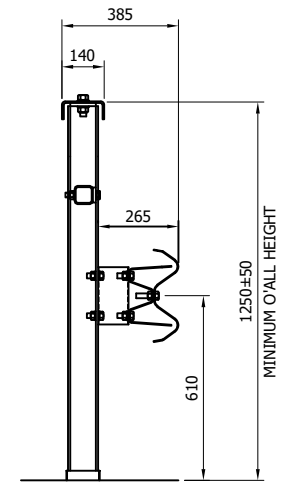
REACTION BRACKET  
ADDITIONAL HOLES USED  
TO ACCOMMODATE ALTERNATE  
ANCHORAGE POSITIONS



REACTION BRACKET  
POSITIONING DETAIL  
SCALE: 1:20



SECTION A-A  
SCALE: 1:25



SECTION B-B  
SCALE: 1:25

**GENERAL NOTES:**

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL OR SIGN GANTRY.
3. FOR FURTHER DETAILS ON CONNECTION OF MEGAGUARD TO SAFEFLEX TRANSITION, PLEASE SEE UK 27460 & UK 27461.
4. DRILL & FIX RESIN BONDED ANCHORS INTO CONCRETE H4a TO BE SSR-VDI M16x280 INTERNALLY THREADED CHEMICAL ANCHOR SOCKETS, WITH GLASS RESIN CAPSULES. Ø28 X 280MM DRILLING DEPTH REQUIRED

00	10/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

**MegaGuard  
H2 W1 VI 1**  
8M DEPARTURE TRANSITION TO  
CONCRETE SCHEMATIC  
(DETAILED WITH DRILL & FIX  
ANCHORAGES)

**SAFEROAD**  
CONCORD HOUSE,  
BESSEMER WAY, SCUNTHORPE,  
NORTH LINCOLNSHIRE, DN15 8XE  
t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: <b>H2W1-GA-53</b>	REVn: <b>00</b>
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