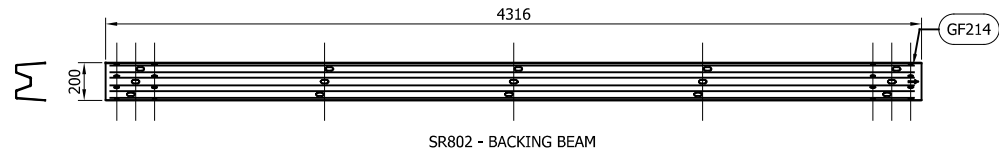
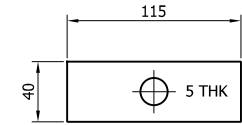
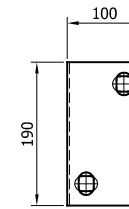


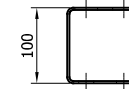
SR700 - FRONT BEAM



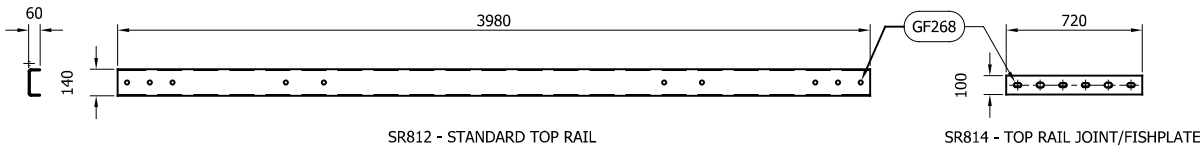
SR802 - BACKING BEAM



SR840 - FRONT BEAM WASHER PLATE

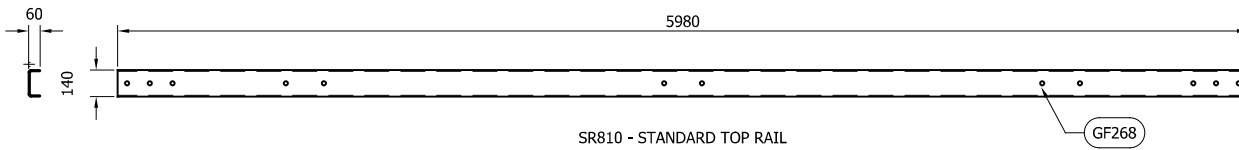


SR831 - POST SPACER BRACKET

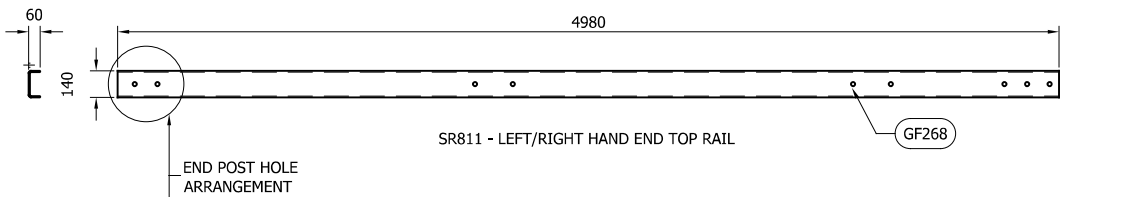


SR812 - STANDARD TOP RAIL

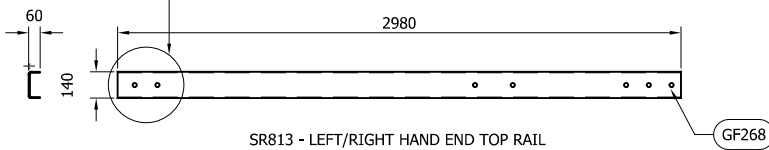
SR814 - TOP RAIL JOINT/FISHPLATE



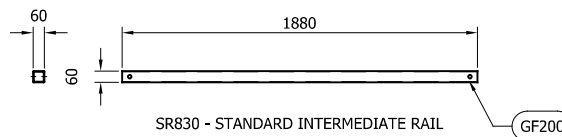
SR810 - STANDARD TOP RAIL



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

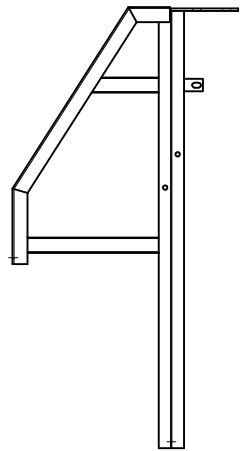
H2 W1 VI 3

COMPONENTS_SCHEMATIC

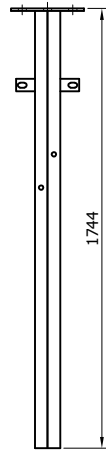


CONCORD HOUSE,
 BESSEMER WAY, SCUNTHORPE,
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 t: 01724 289119
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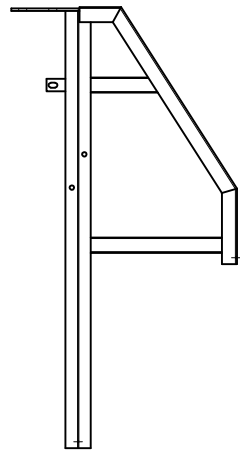
DRAWING NUMBER: H2W1-GA-00 REVn: 07



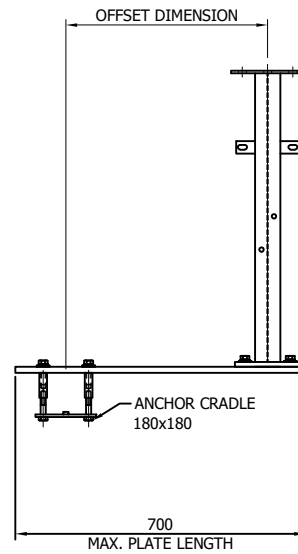
SR820
LEFT HAND END POST



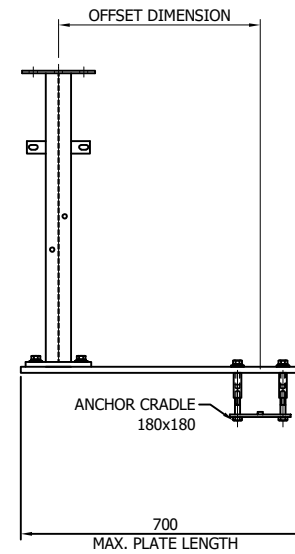
SR822
STANDARD POST



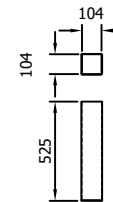
SR821
RIGHT HAND END POST



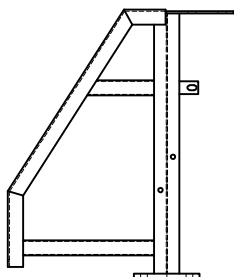
APPROACH
OFFSET POST



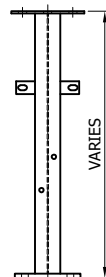
DEPARTURE
OFFSET POST



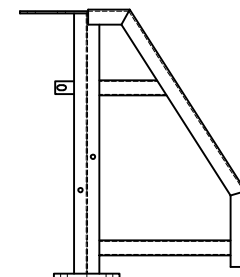
SR825 - POST SOCKET



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

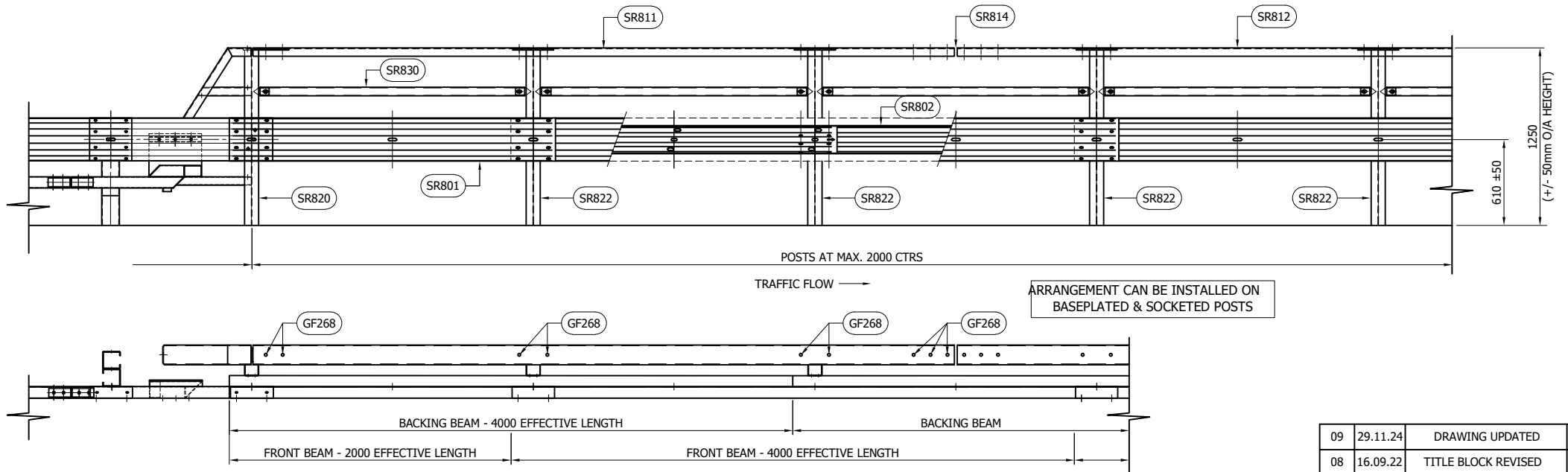


CONCORD HOUSE,
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NORTH LINCOLNSHIRE, DN15 8XE
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e: john.cudlipp@saferoad.co.uk

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)

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

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

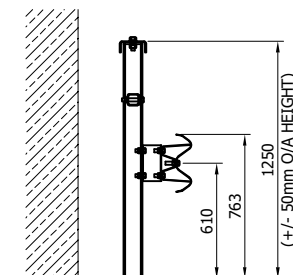
MegaGuard H2 W1 VI 3

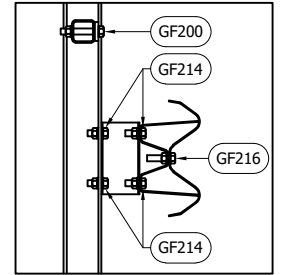
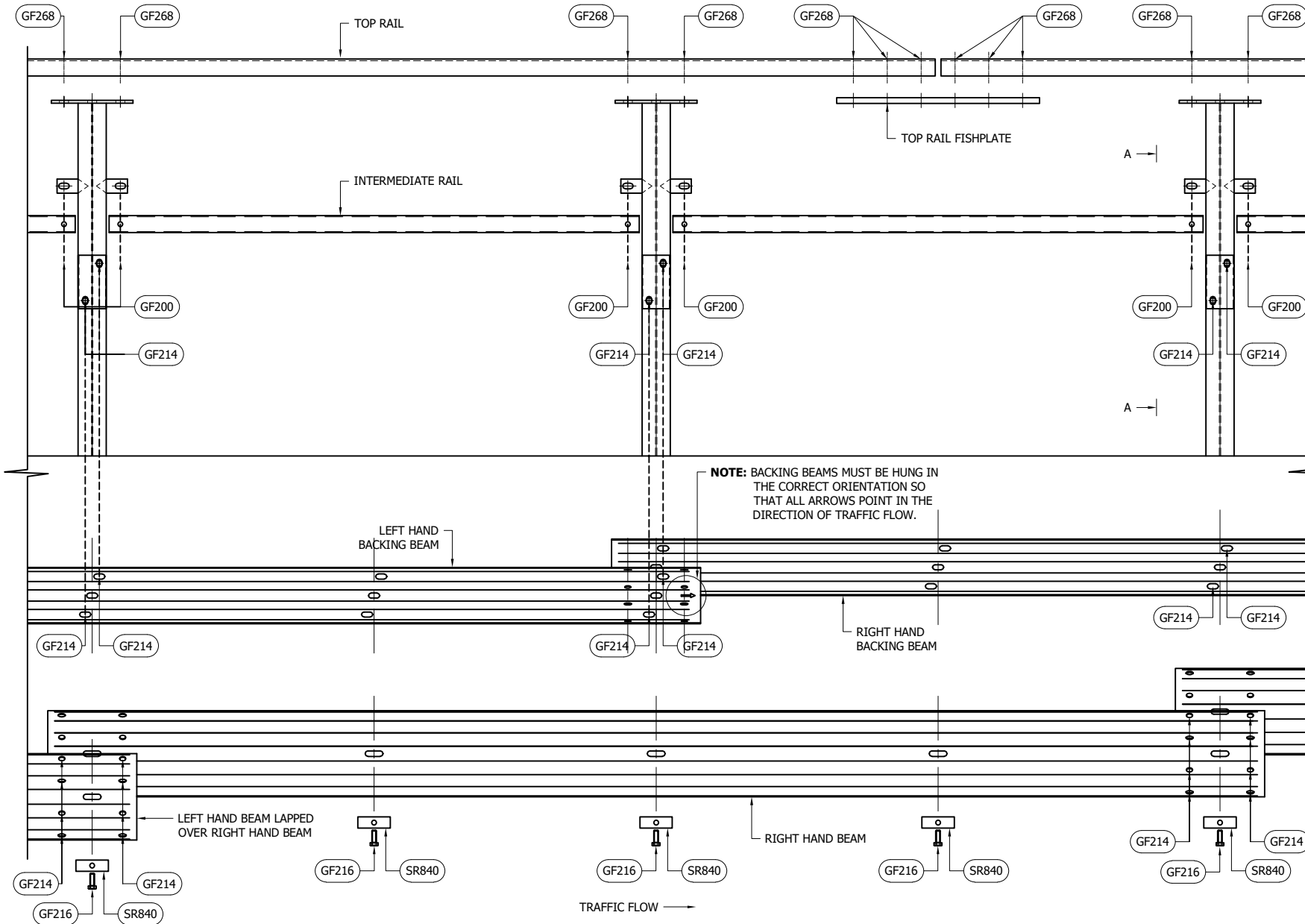
SETTING OUT GENERAL ARRANGEMENT - LEFT HAND END SHOWN



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DRAWING NUMBER: H2W1-GA-02 REVN: 09





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

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

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

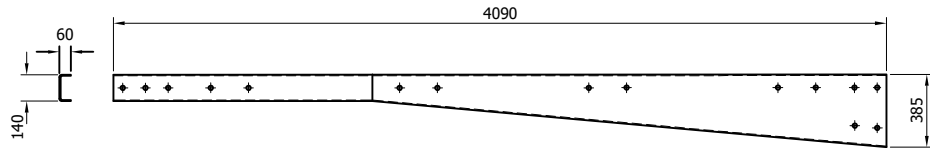


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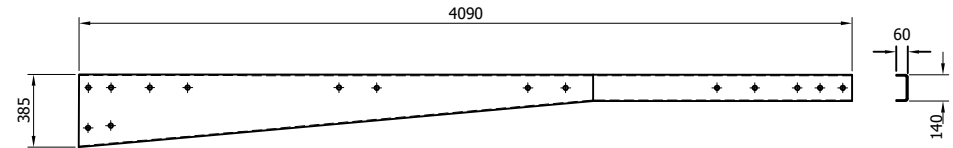
DRAWING NUMBER: H2W1-GA-03 REVn: 06

SCHEDULE OF FASTENERS

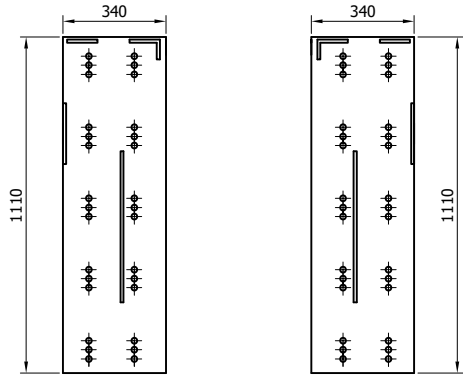
REF.	SIZE	TYPE	LENGTH (mm)	GRADE	NUT, No OFF & GRADE	WASHERS, No AND FORM	TORQUE (Nm)	FINISH
GF214	M16	SETSCREW	35	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF216	M16	SETSCREW	65	8.8	GF174	GF163 FORM 'C'	70-140	SPUN GALVANISED
GF268	M20	SETSCREW	50	8.8	GF243	2 x GF233 FORM 'A'	100-120	SPUN GALVANISED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



SR523 - APPROACH TAPERED TOP RAIL
SCALE: 1:40

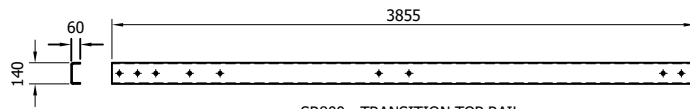


SR522 - DEPARTURE TAPERED TOP RAIL
SCALE: 1:40

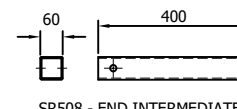


SR502 - 1.25M HIGH APPROACH REACTION BRACKET
SCALE: 1:25

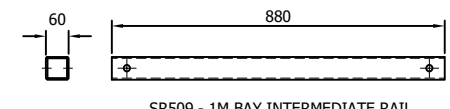
SR503 - 1.25M HIGH DEPARTURE REACTION BRACKET
SCALE: 1:25



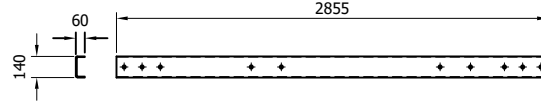
SR800 - TRANSITION TOP RAIL
SCALE: 1:50



SR508 - END INTERMEDIATE RAIL
SCALE: 1:20



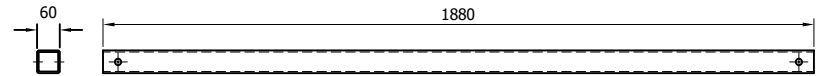
SR509 - 1M BAY INTERMEDIATE RAIL
SCALE: 1:20



SR526 - TRANSITION TOP RAIL
SCALE: 1:50

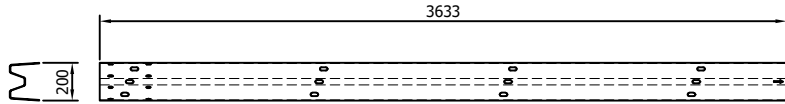


SR510 - 1.25M BAY INTERMEDIATE RAIL
SCALE: 1:20

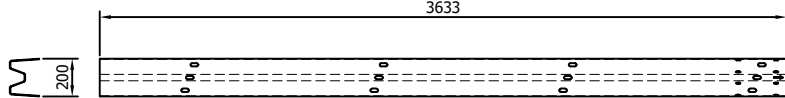


SR830 - 2M BAY INTERMEDIATE RAIL
SCALE: 1:20

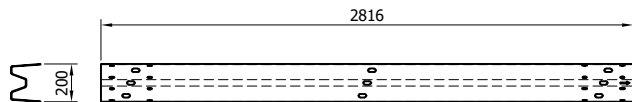
SR800 - USED FOR CONNECTIONS TO SAFEFLX TRANSITION/SYSTEM PROGRESSION
SR526 - USED FOR CONTINUATION OF MEGAGUARD FOLLOWING TRANSITION TO CONCRETE



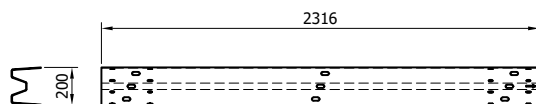
SR524 - APPROACH END BACKING BEAM
SCALE: 1:40



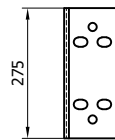
SR525 - DEPARTURE END BACKING BEAM
SCALE: 1:40



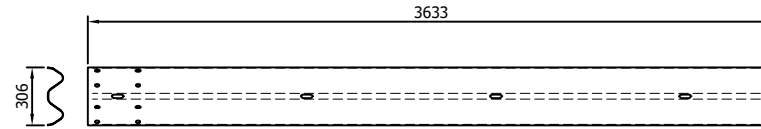
SR527 - TRANSITION BACKING BEAM
SCALE: 1:40



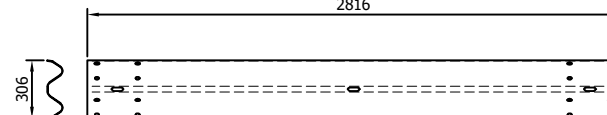
SR852 - HALF BACKING BEAM BEAM
SCALE: 1:40



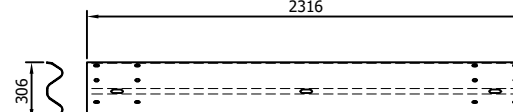
SR169 - UNIVERSAL TRANSITION BRACKET
(SEE H2W1-GA-50 & 51)
SCALE: 1:16



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



SR520 - TRANSITION FRONT BEAM
SCALE: 1:40



SR801 - HALF FRONT BEAM
SCALE: 1:40

09	28/05/26	SR169 ADDED	H.B
08	05/02/26	SR800 ADDED	H.B
REVn	DATE	DETAILS	INITIAL

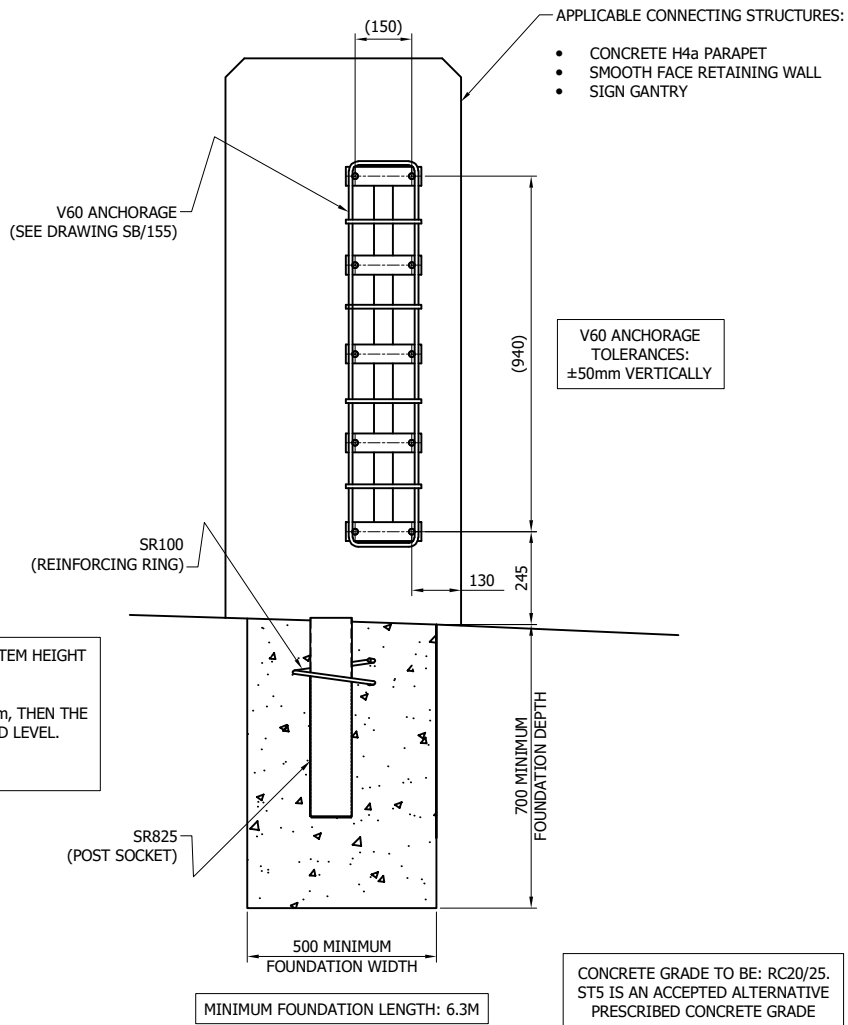
MegaGuard H2 W1 VI 1

TRANSITION TO CONCRETE
COMPONENTS SCHEMATIC



CONCORD HOUSE,
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DRAWING NUMBER:	REVn:
H2W1-GA-04	09

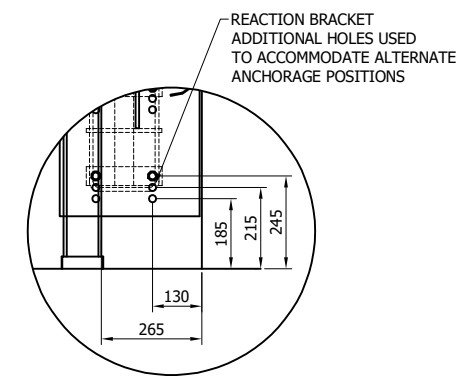


IF THE CONCRETE STRUCTURE SET-BACK IS LESS THAN 1500mm, THEN THE SYSTEM HEIGHT (+/-50mm) IS TO BE TAKEN FROM THE EDGE OF THE PAVED AREA.

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

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

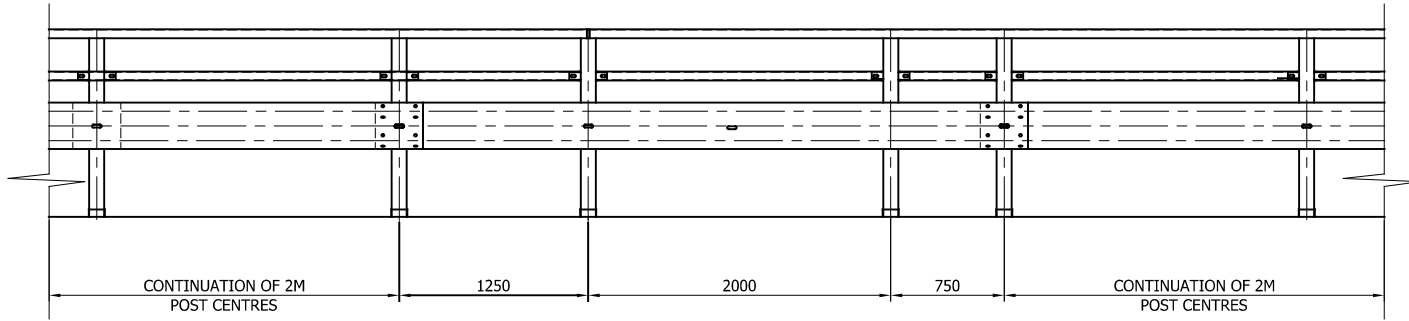
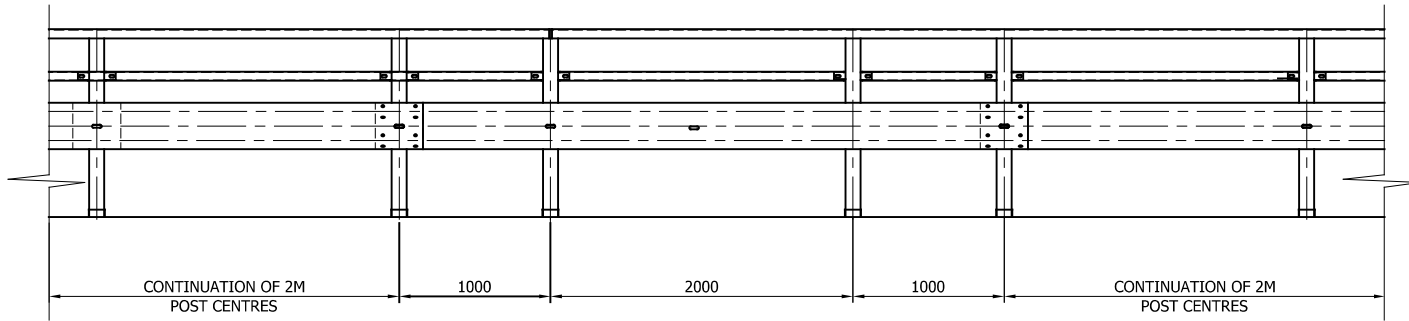
POST FOUNDATION & ANCHORAGE
POSITION DETAIL



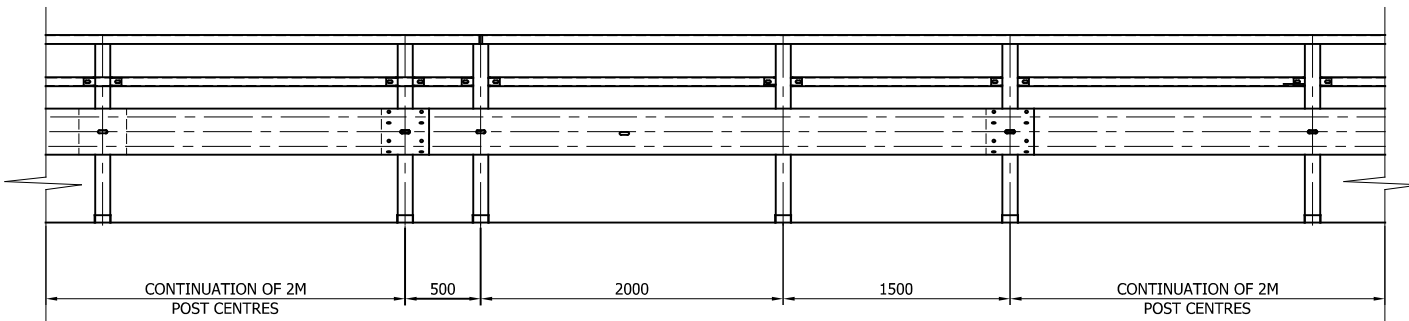
CONCORD HOUSE,
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DRAWING NUMBER:	REVn:
H2W1-GA-11	09

- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. CONNECTION APPLICABLE TO; CONCRETE H4a PARAPET, SMOOTH FACE RETAINING WALL, SIGN GANTRY OR STRUCTURE.
 3. FOR DETAILS OF STRUCTURE ANCHORAGE, ITEM V60, SEE DRG. No. SB/155, EXCEPT MATERIAL TO BE STAINLESS STEEL GRADE 1.4362.
 4. TOTAL LENGTH OF BARRIER TO BE AS STATED IN CD 377.
 5. 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

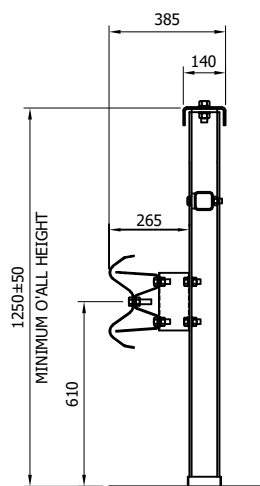
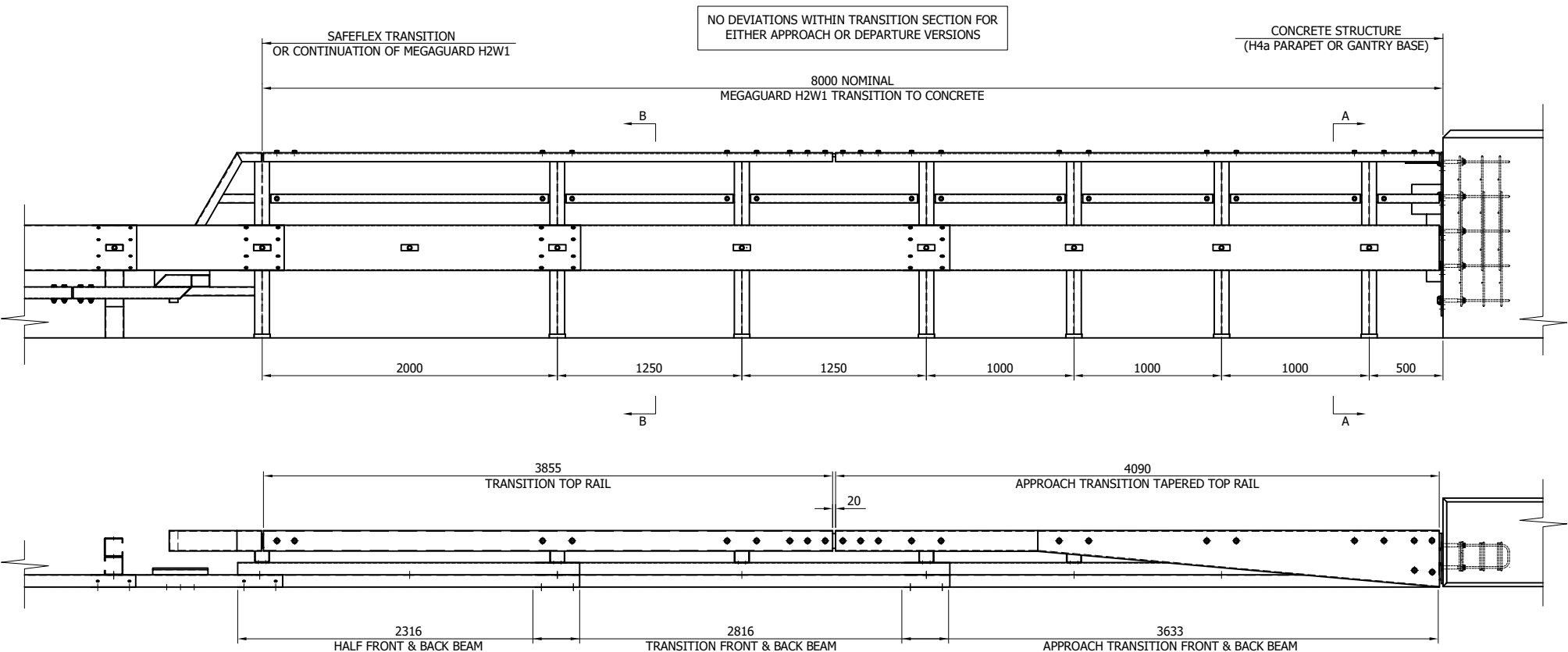
MegaGuard H2 W1 VI 3

POST CENTRE DEVIATIONS
H2/W1 MEGAGUARD

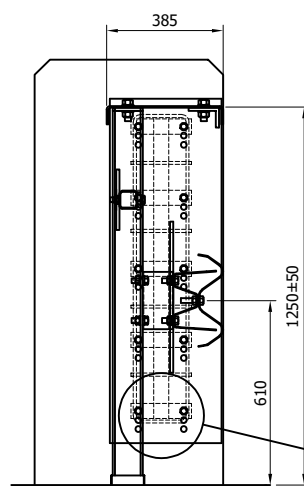


CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
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FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: H2W1-GA-40	REVn: 02
--------------------------------------	--------------------

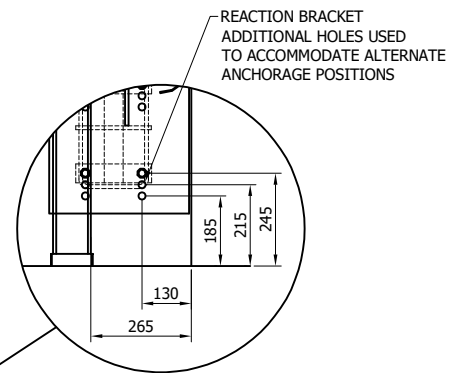


SECTION B-B
SCALE: 1:25



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



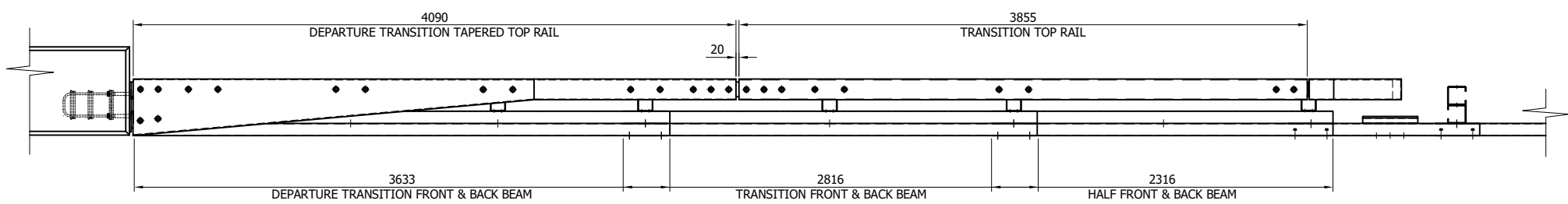
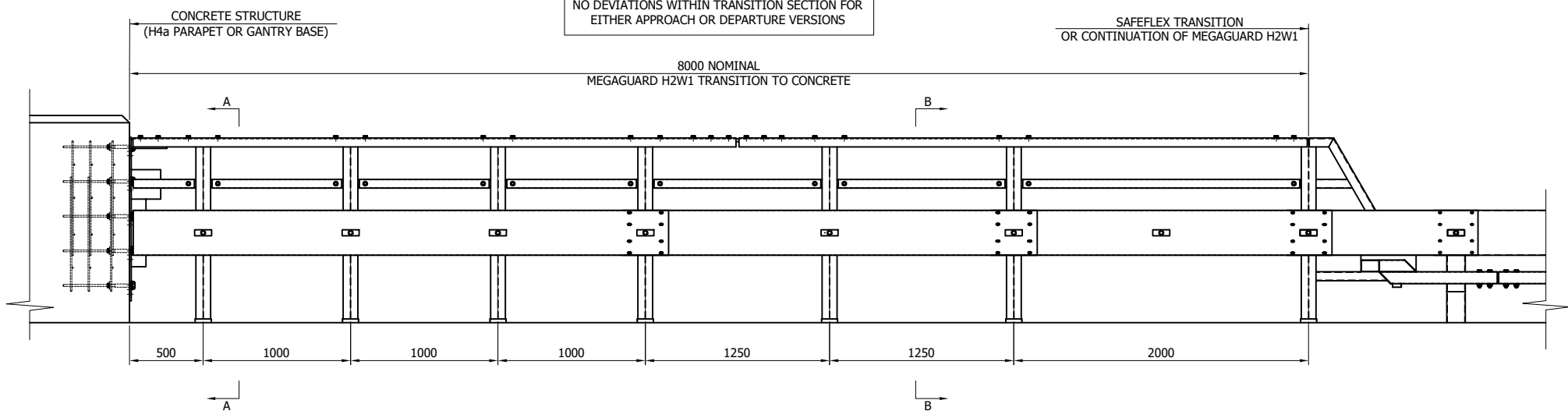
CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

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

H2W1-GA-41

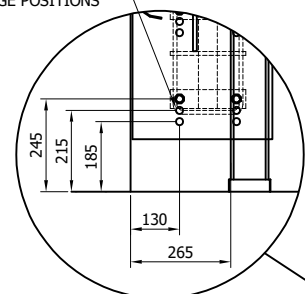
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NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

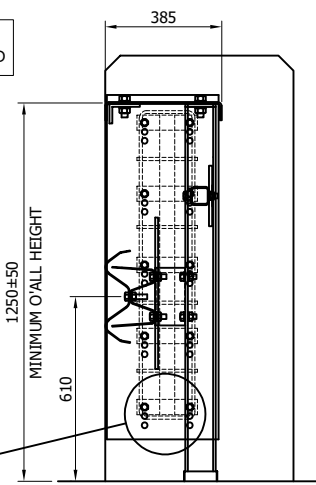


MEGAGUARD DETAILED WITH SOCKETED POSTS. TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED

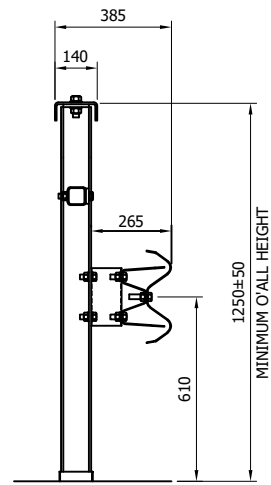
REACTION BRACKET ADDITIONAL HOLES USED TO ACCOMMODATE ALTERNATE ANCHORAGE POSITIONS



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

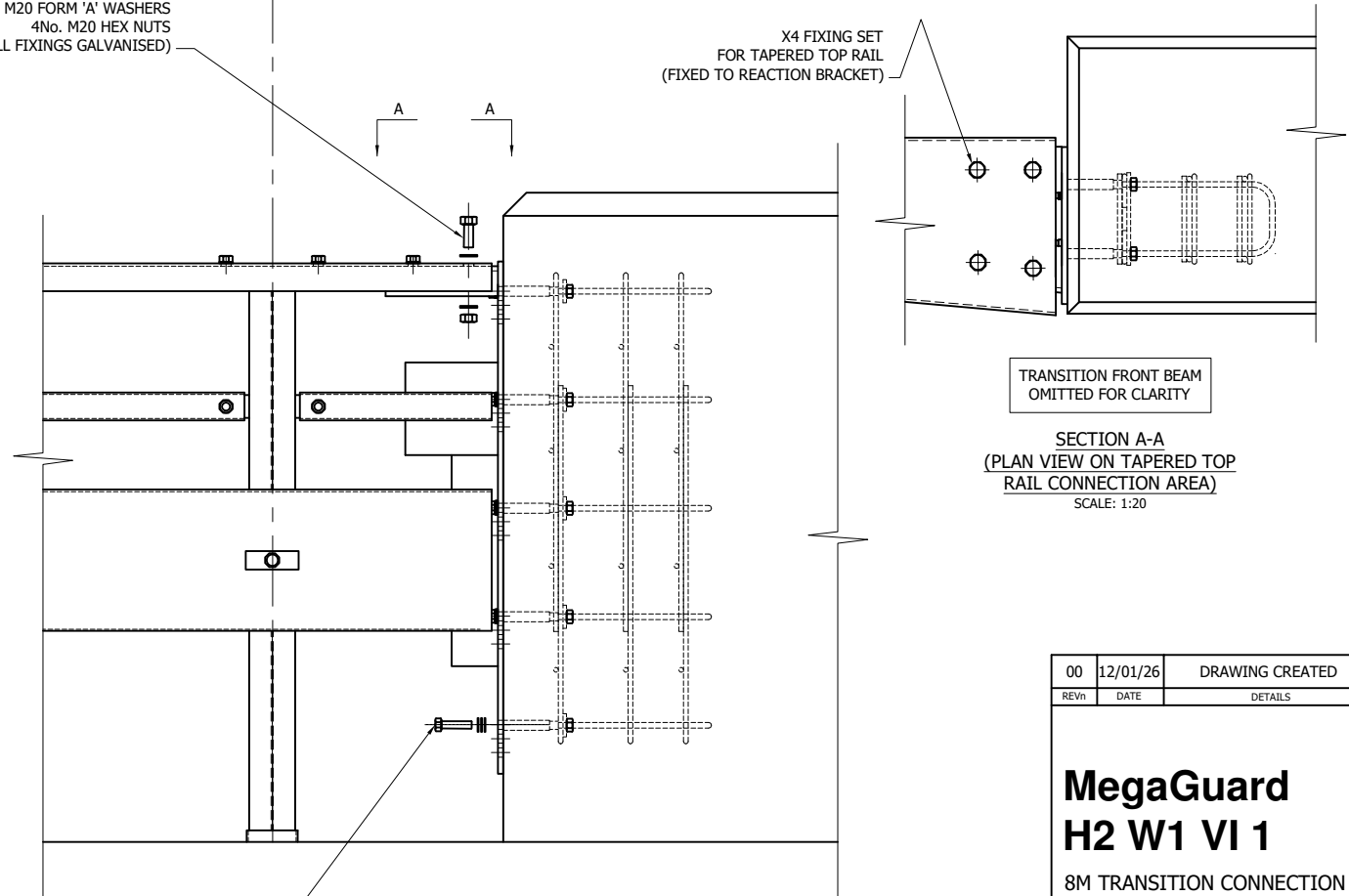
DRAWING NUMBER:	REVn:
H2W1-GA-42	00

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

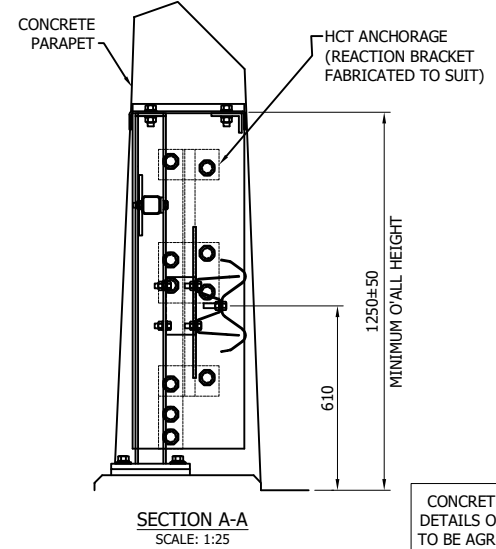
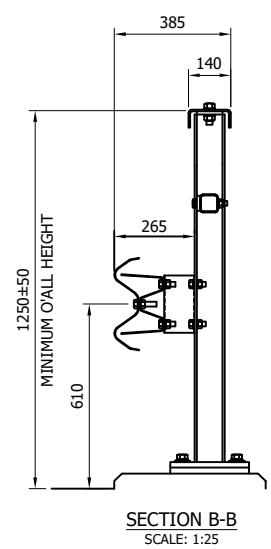
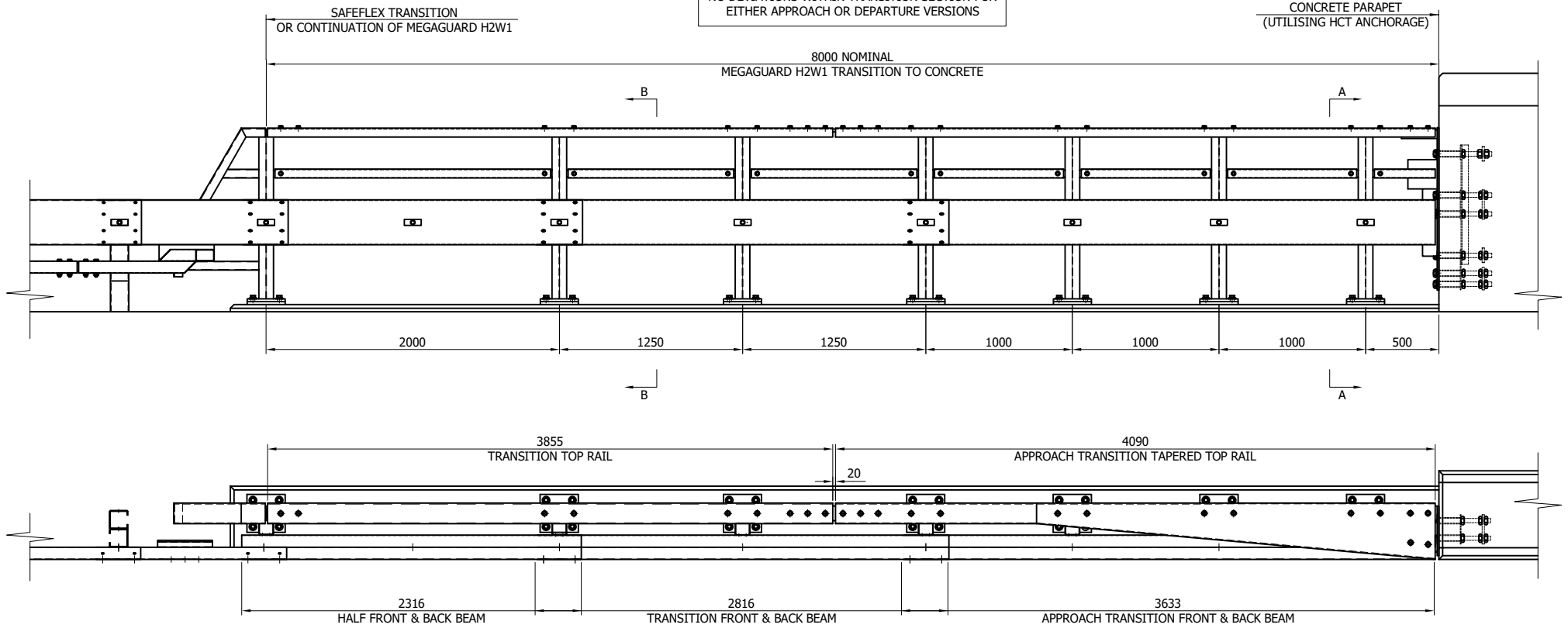
8M TRANSITION CONNECTION AREA
FIXING SCHEMATIC



CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
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DRAWING NUMBER:	REVn:
H2W1-GA-43	00

NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS



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

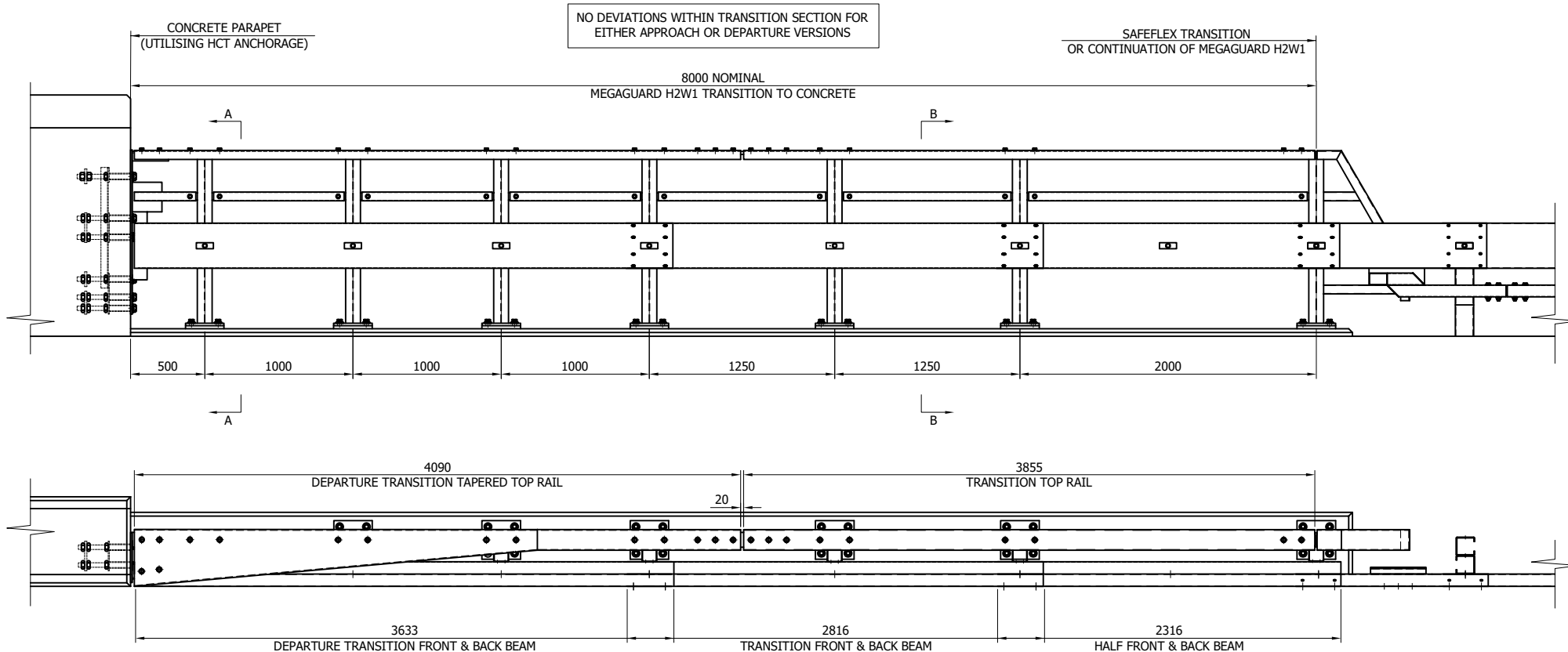
MegaGuard H2 W1 VI 1

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

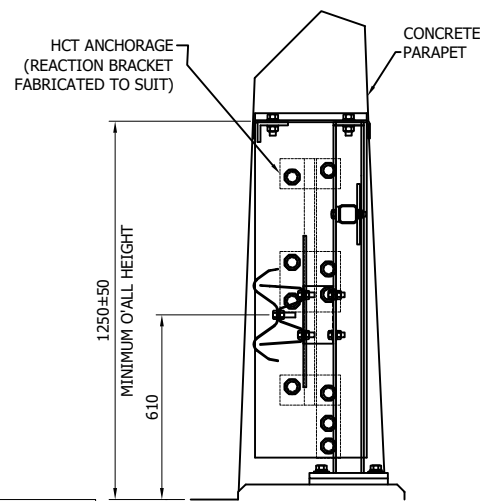
DRAWING NUMBER: H2W1-GA-44	REVn: 00
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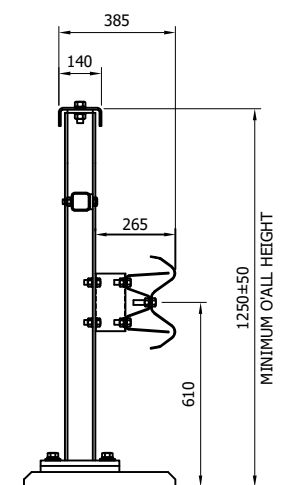
NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. CONNECTION APPLICABLE TO CONCRETE 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

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



SECTION A-A
SCALE: 1:25



SECTION B-B
SCALE: 1:25

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

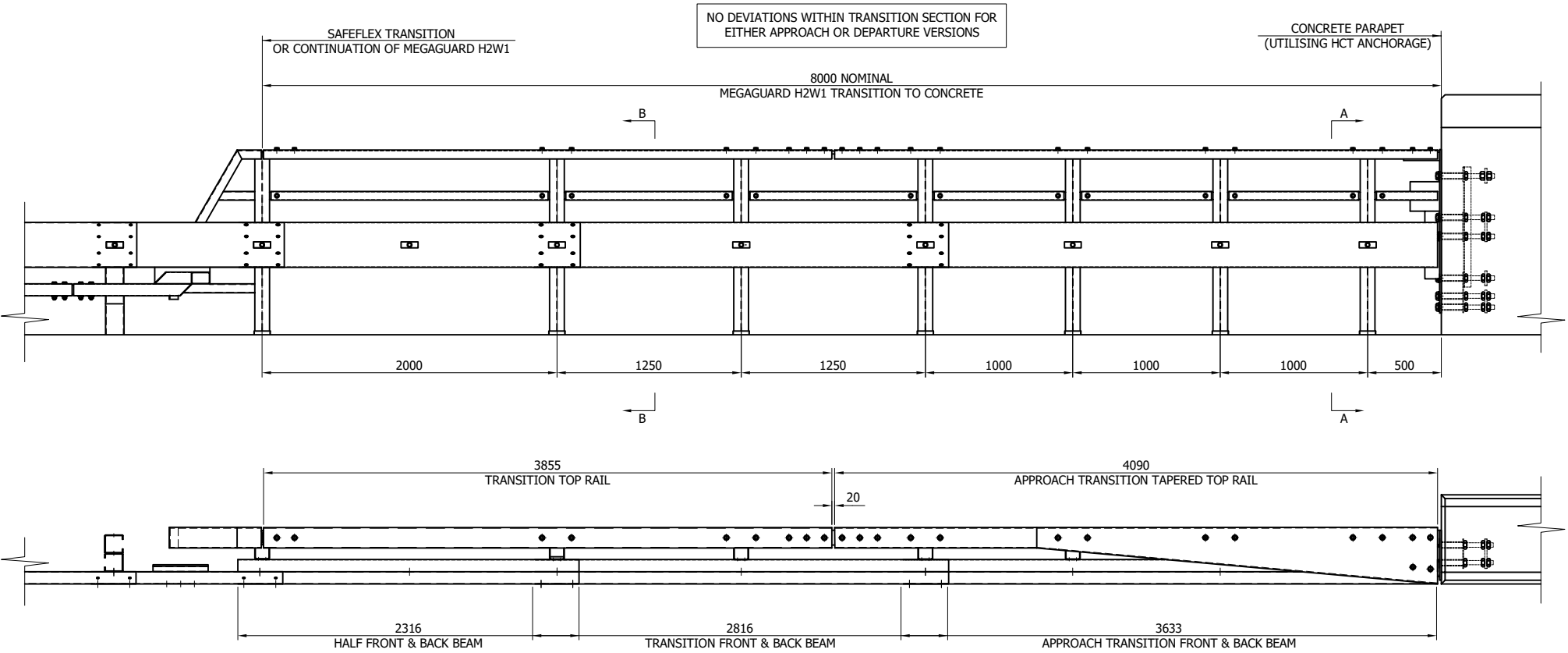
**MegaGuard
H2 W1 VI 1**

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

SAFEROAD

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

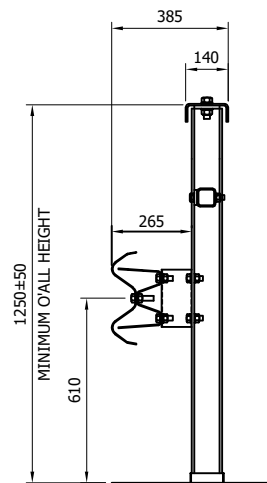
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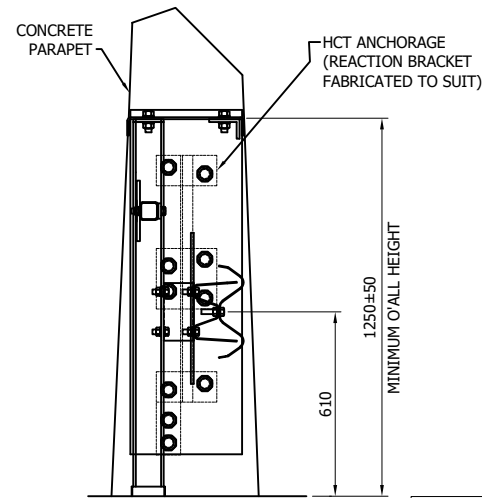
NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. CONNECTION APPLICABLE TO CONCRETE 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



SECTION B-B
SCALE: 1:25



SECTION A-A
SCALE: 1:25

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



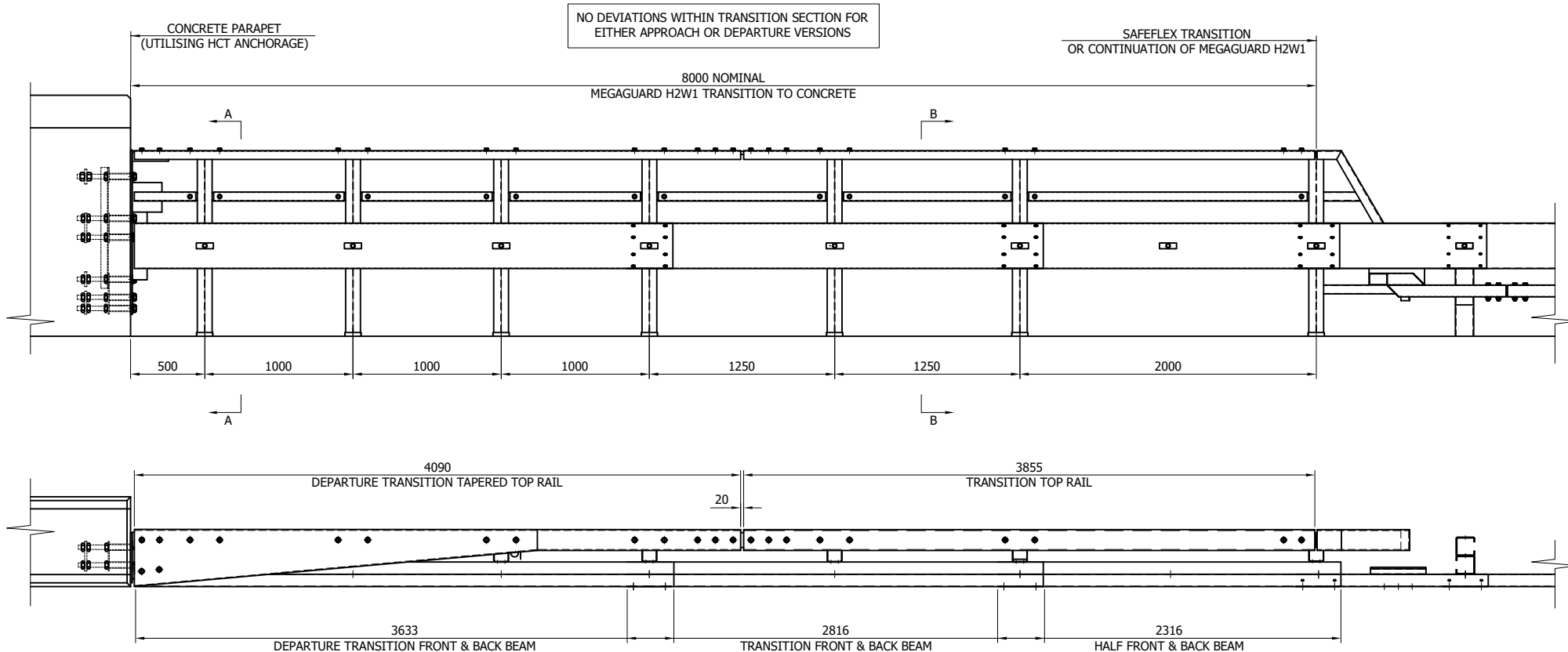
CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119

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

4090
DEPARTURE TRANSITION TAPERED TOP RAIL

3855
TRANSITION TOP RAIL

3633
DEPARTURE TRANSITION FRONT & BACK BEAM

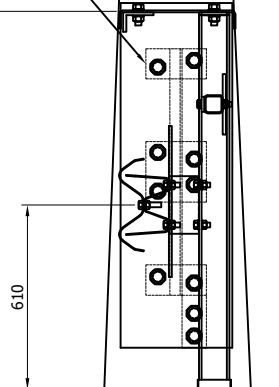
2816
TRANSITION FRONT & BACK BEAM

2316
HALF FRONT & BACK BEAM

HCT ANCHORAGE
(REACTION BRACKET
FABRICATED TO SUIT)

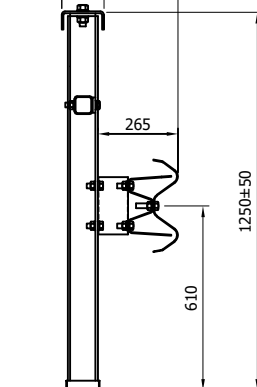
CONCRETE
PARAPET

1250±50
MINIMUM O'ALL HEIGHT



SECTION A-A
SCALE: 1:25

385
140



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

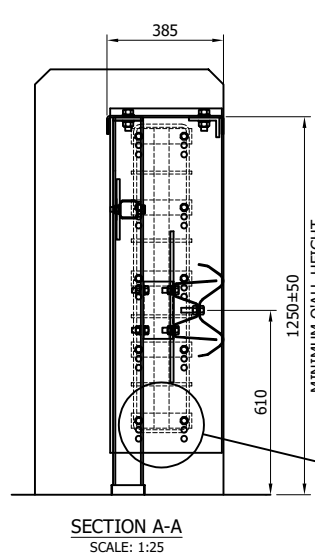
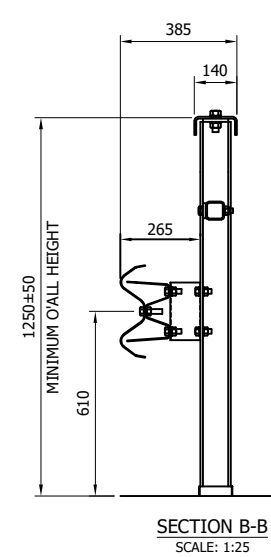
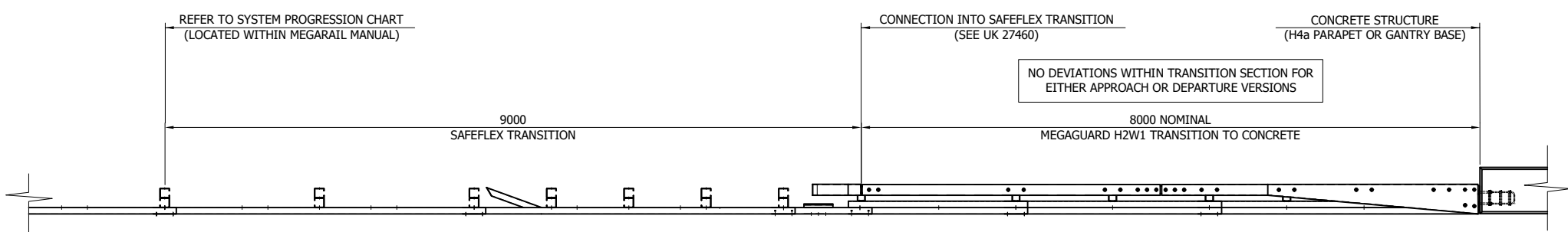
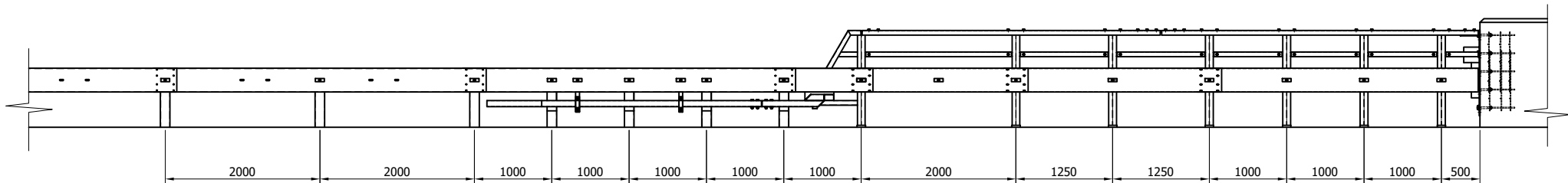


CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

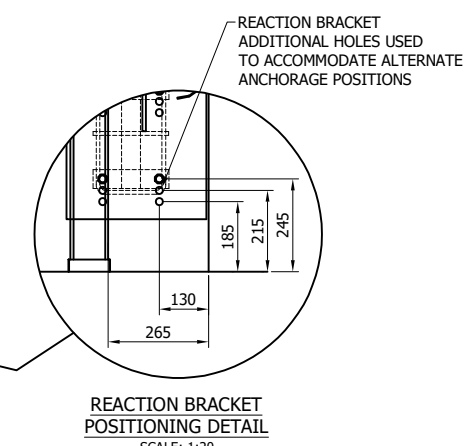
DRAWING NUMBER:	REVn:
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H2W1-GA-47

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.

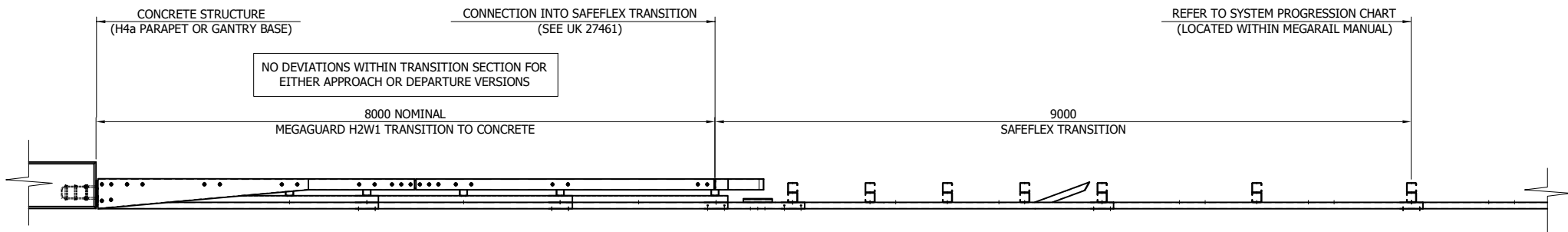
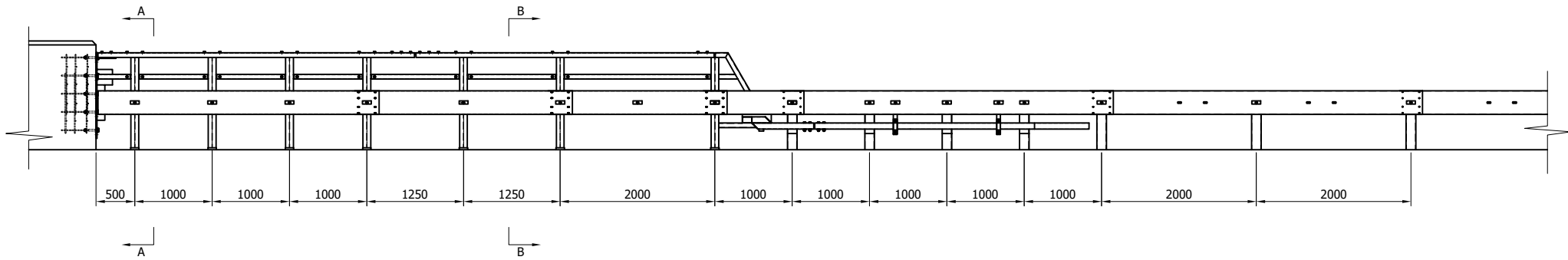
00	09/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

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

SAFEROAD

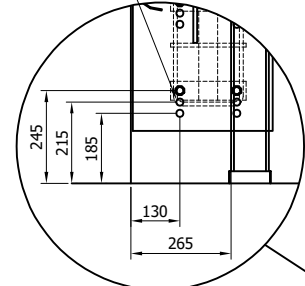
CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: **H2W1-GA-48** REVn: **00**

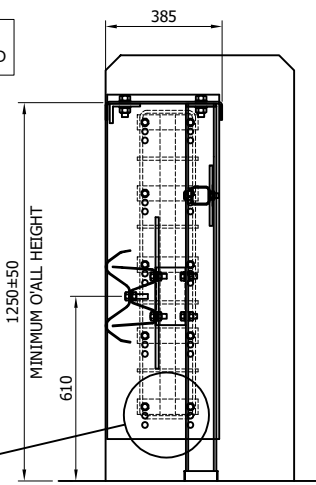


MEGAGUARD DETAILED WITH SOCKETED POSTS.
TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED

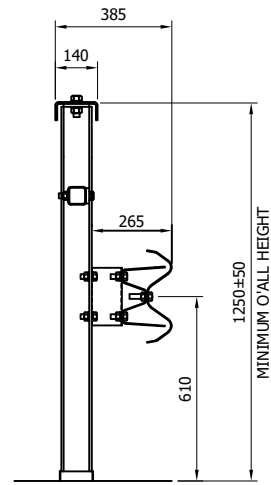
REACTION BRACKET
ADDITIONAL HOLES USED
TO ACCOMMODATE ALTERNATE
ANCHORAGE POSITIONS



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.

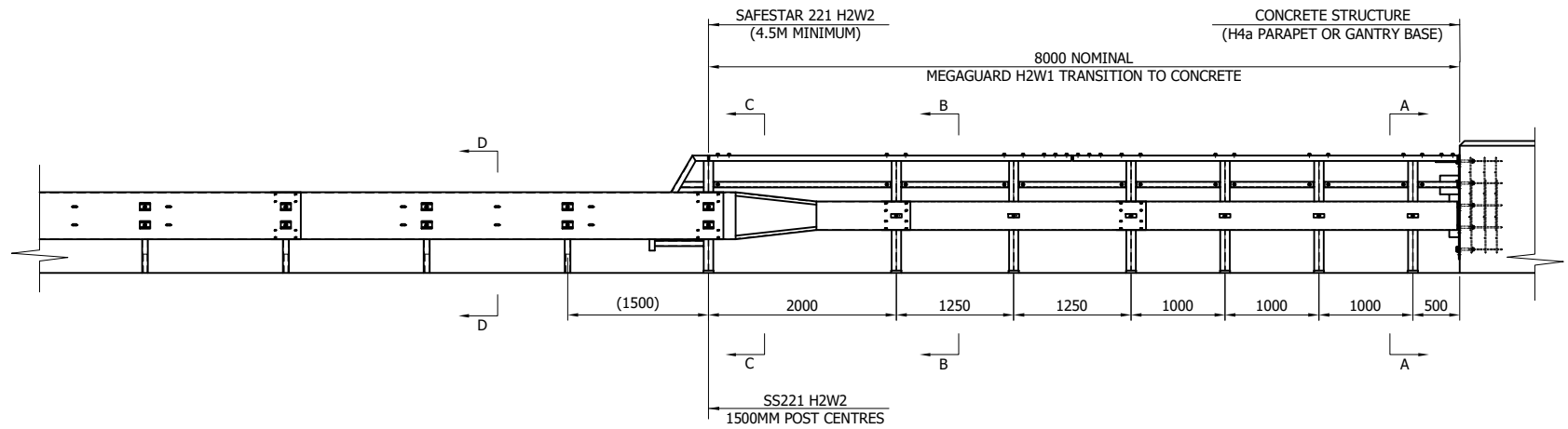
00	12/01/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

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

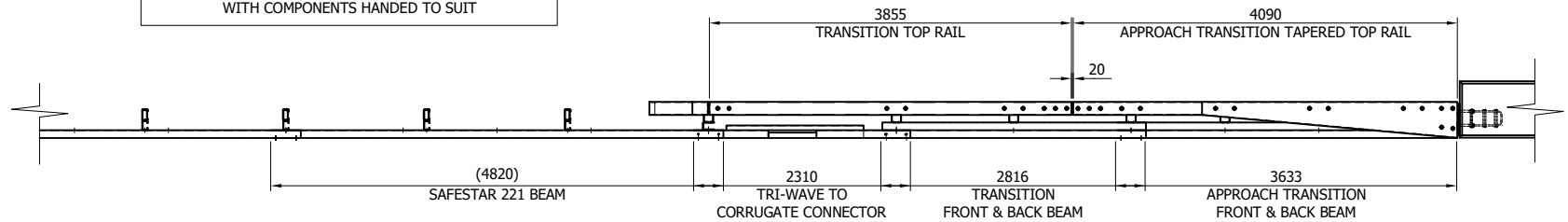
SAFEROAD
CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER: H2W1-GA-49	REVn: 00
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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

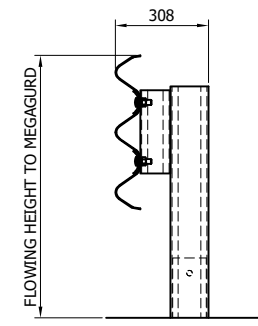
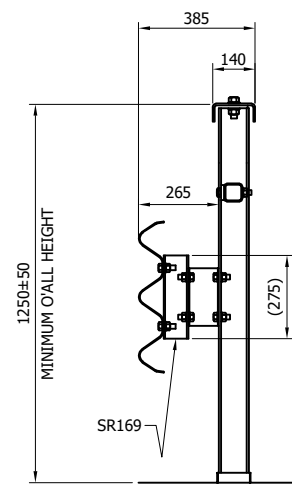
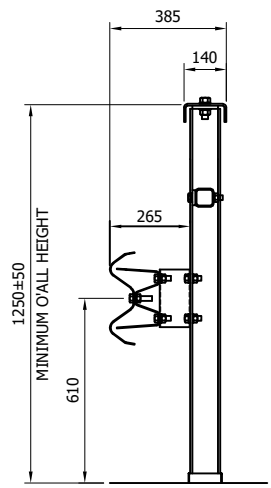
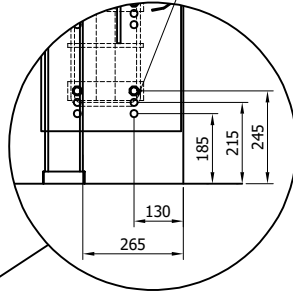
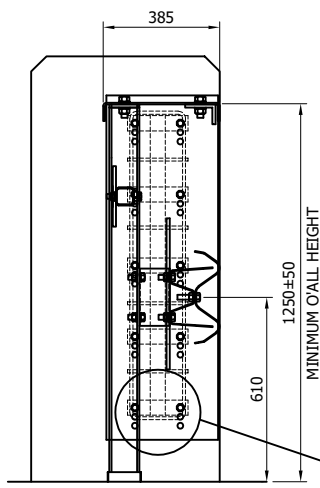


GENERAL NOTES;

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

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

REACTION BRACKET ADDITIONAL HOLES USED TO ACCOMMODATE ALTERNATE ANCHORAGE POSITIONS



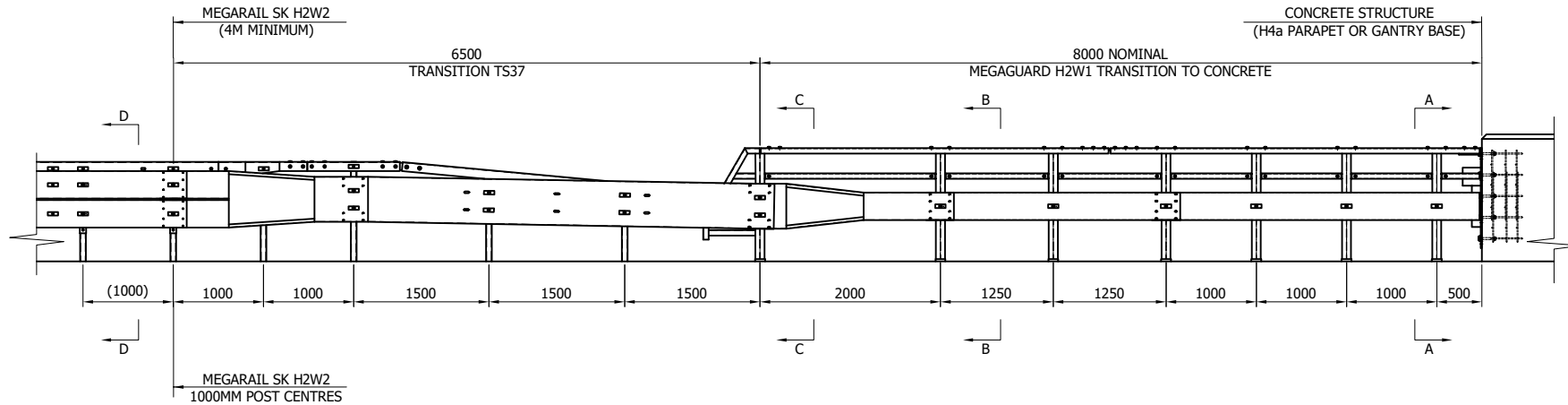
01	28/05/26	SR169 POSITION SHOWN	H.B
00	09/02/26	DRAWING CREATED	H.B
REV#	DATE	DETAILS	INITIAL

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

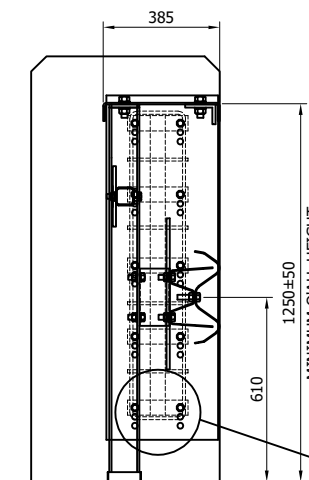
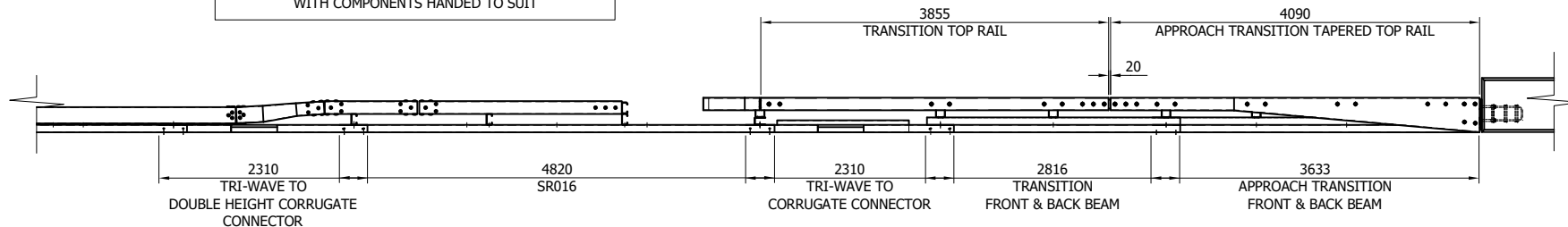
SAFEROAD
 CONCORD HOUSE,
 BESSEMER WAY, SCUNTHORPE,
 NORTH LINCOLNSHIRE, DN15 8XE
 t: 01724 289119
 FOR TECHNICAL ASSISTANCE CONTACT
 e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REV#:
H2W1-GA-50	01

NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS

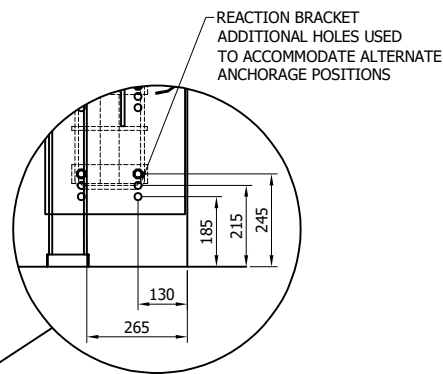


DEPARTURE ARRANGEMENT IDENTICAL IN CONFIGURATION, WITH COMPONENTS HANDED TO SUIT

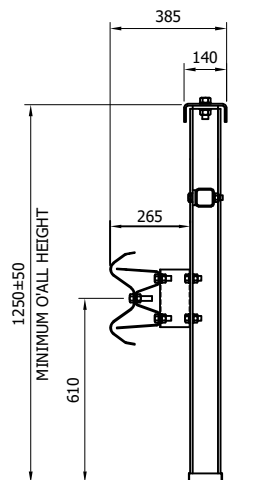


SECTION A-A
SCALE: 1:25

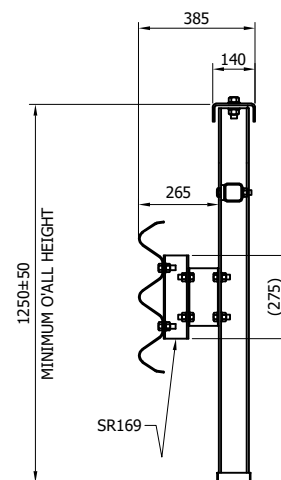
MEGAGUARD DETAILED WITH SOCKETED POSTS. TRANSITION & SYSTEM ALSO AVAILABLE SURFACE MOUNTED



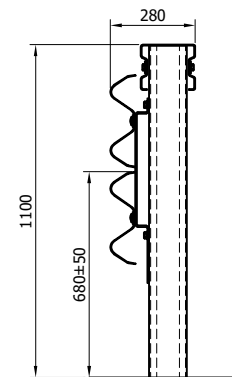
REACTION BRACKET POSITIONING DETAIL
SCALE: 1:20



SECTION B-B
SCALE: 1:25



SECTION C-C
SCALE: 1:25



SECTION D-D
SCALE: 1:25

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

01	28/05/26	SR169 POSITION SHOWN	H.B
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)

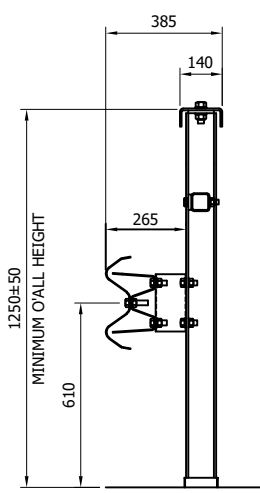
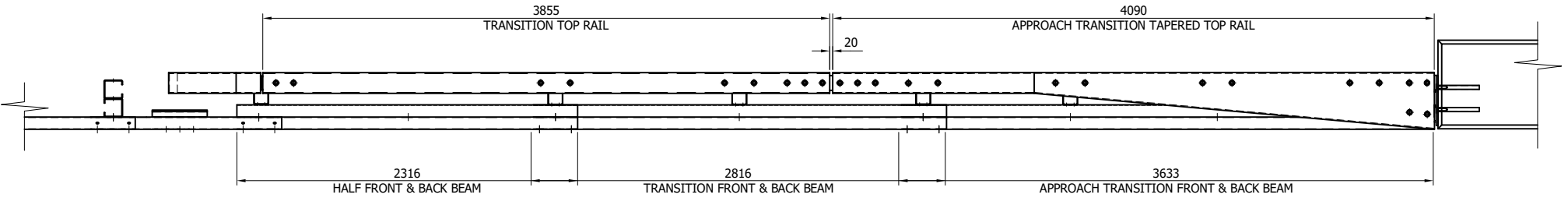
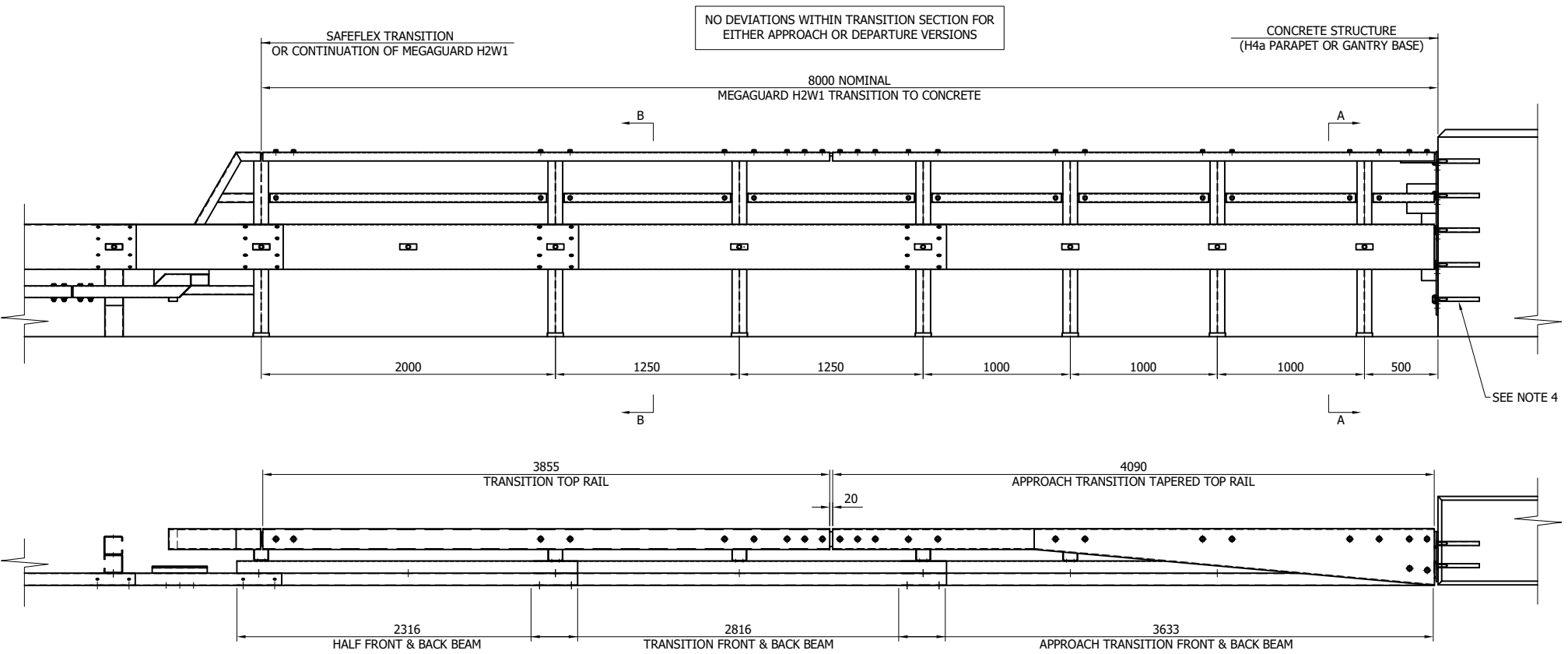


CONCORD HOUSE,
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FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

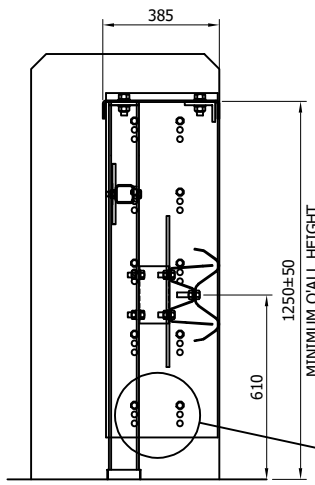
DRAWING NUMBER:	REVn:
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H2W1-GA-51

01

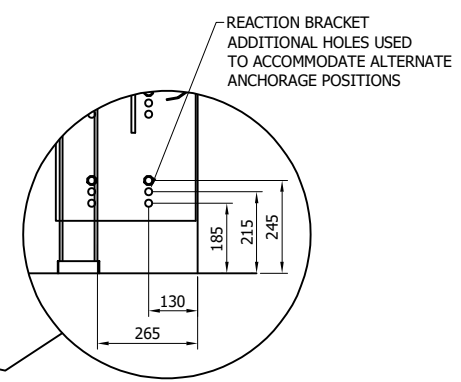


SECTION B-B
SCALE: 1:25



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

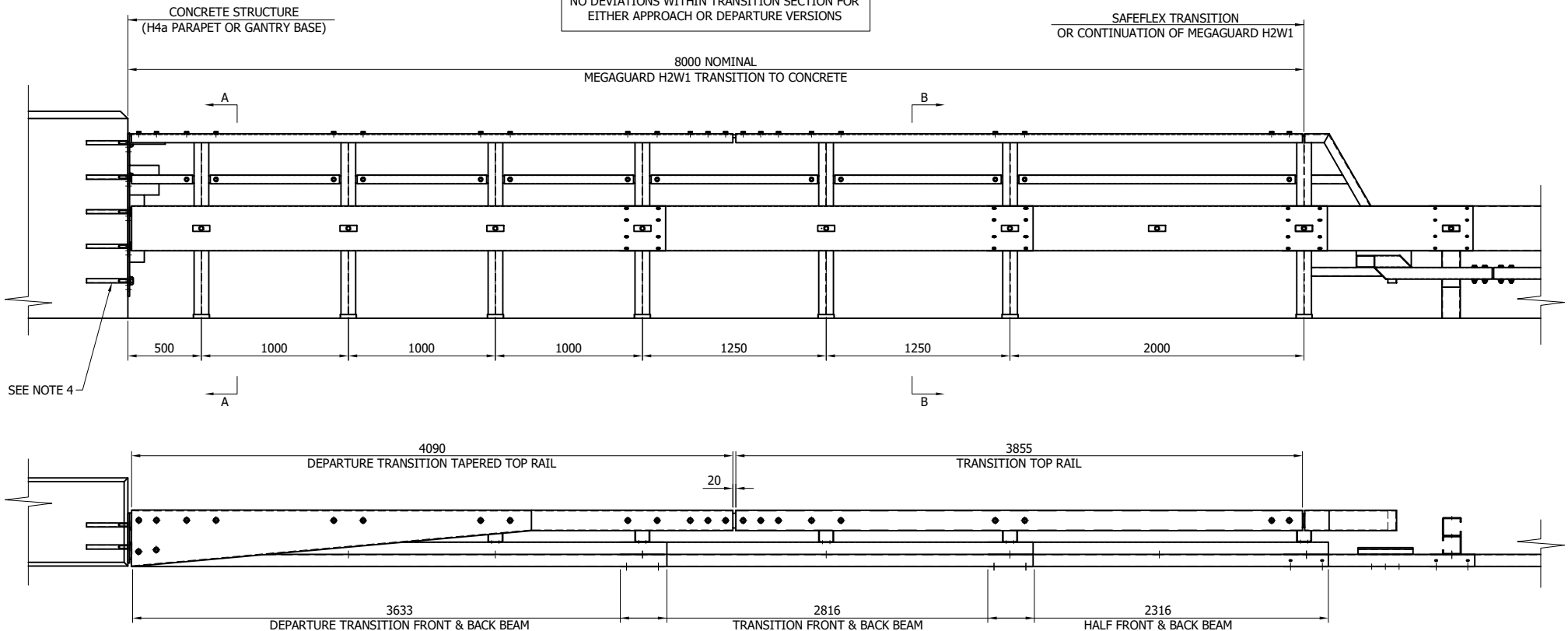
00	10/02/26	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

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

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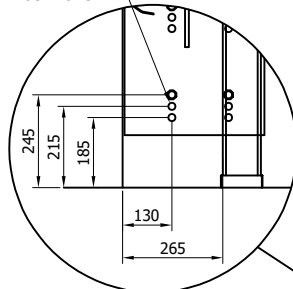
NO DEVIATIONS WITHIN TRANSITION SECTION FOR EITHER APPROACH OR DEPARTURE VERSIONS



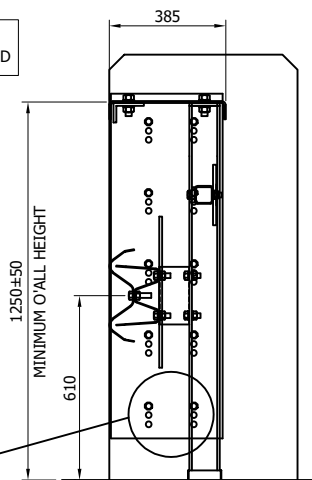
SEE NOTE 4

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

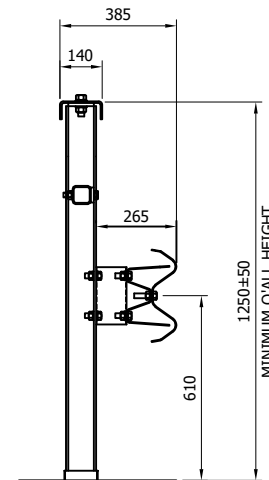
REACTION BRACKET
ADDITIONAL HOLES USED
TO ACCOMMODATE ALTERNATE
ANCHORAGE POSITIONS



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)



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DRAWING NUMBER:	REVn:
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H2W1-GA-53

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