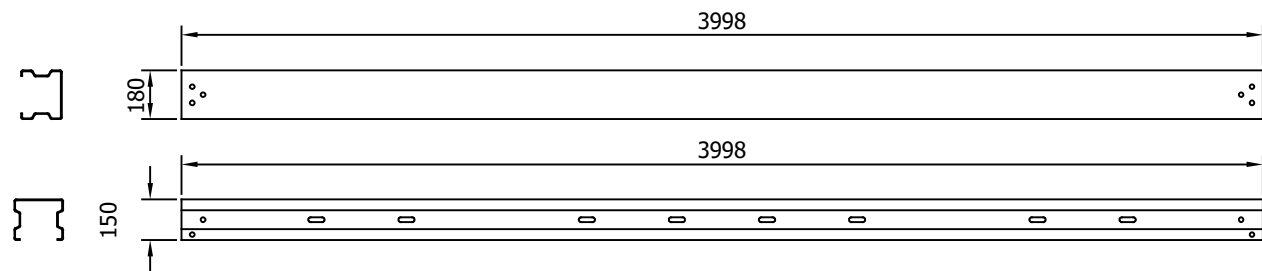
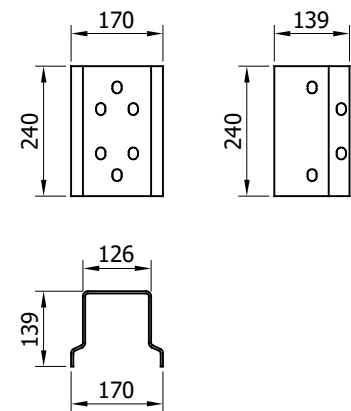


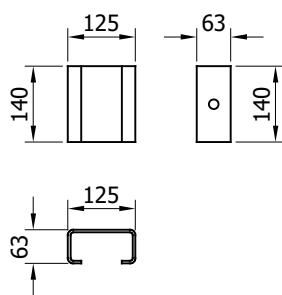
SR028 - sk "A" PROFILE BEAM



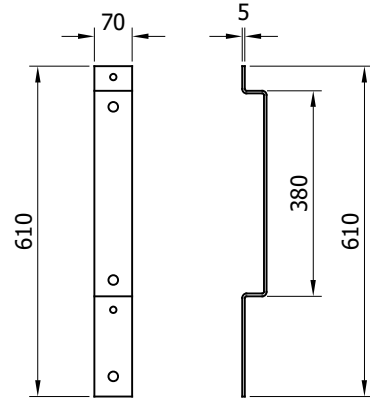
SR026 - TOP RAIL BEAM



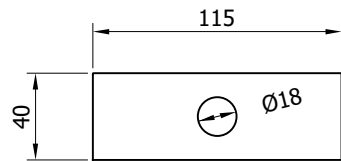
SR122 - TOP RAIL JOINT



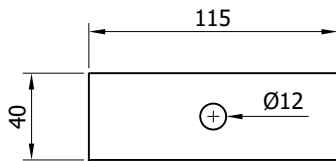
SR114 - TOP RAIL BEAM STIFFENER



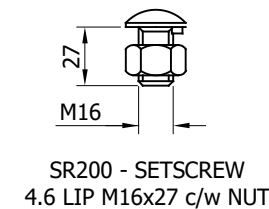
SR113 - POST SPACER BRACKET



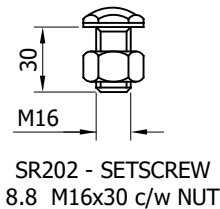
SR151 - WASHER PLATE  
115 x 40 x 6 DIA.18



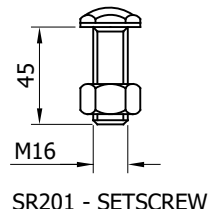
SR152 - WASHER PLATE  
115 x 40 x 5 DIA.12



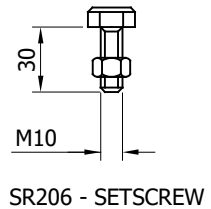
SR200 - SETSCREW  
4.6 LIP M16x27 c/w NUT



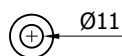
SR202 - SETSCREW  
8.8 M16x30 c/w NUT



SR201 - SETSCREW  
8.8 M16x45 c/w NUT



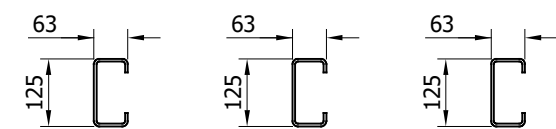
SR206 - SETSCREW  
4.6 M10x30 c/w NUT



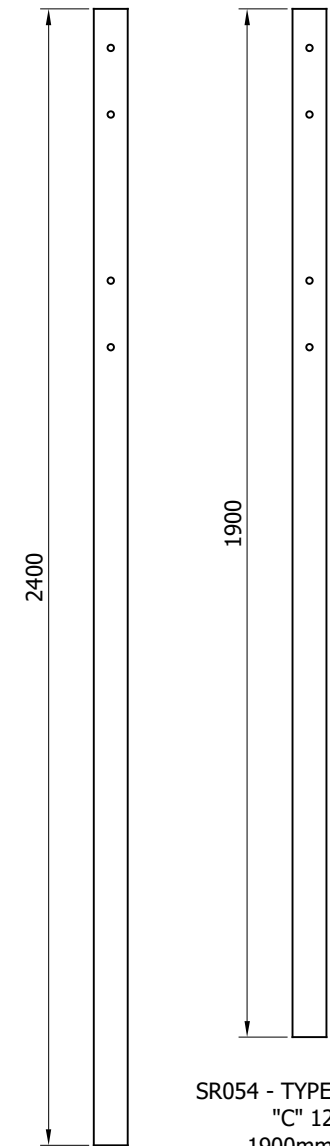
SR301 - M10  
WASHER 11Ø HOLE



SR300 - M16  
WASHER 18Ø HOLE

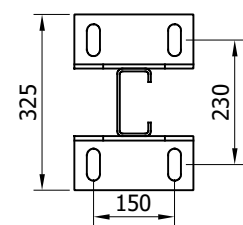


SR056 - TYPE 'B' POST  
"C" 125 1600mm x 5

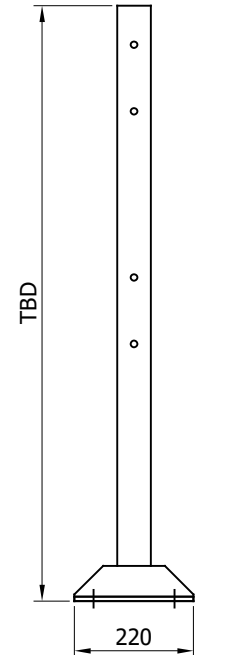


SR054 - TYPE 'B' POST  
"C" 125 1900mm x 5

SR055 - TYPE 'B' POST  
"C" 125 2400mm x 5



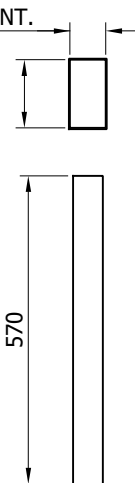
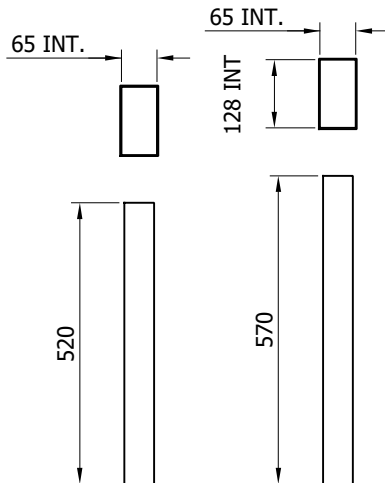
SR081 - C-125  
POST SOCKET  
x 520



SR083 - C-125  
POST SOCKET  
x 570

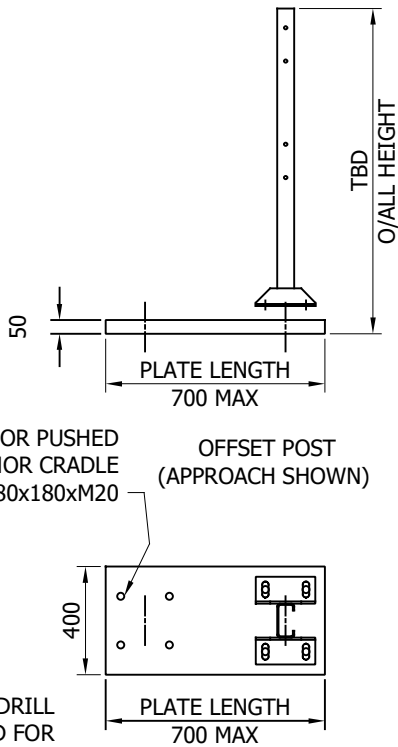


SR100 - A21  
REINFORCING  
RING



DRILL & FIX OR PUSHED  
IN ANCHOR CRADLE  
180x180xM20

BASEPLATE DRILL  
& TAPPED FOR  
LIFTING EYE



| REVn | DATE     | DETAILS                            | INITIAL |
|------|----------|------------------------------------|---------|
| 10   | 10.01.23 | TOP RAIL JOINT CODE CHANGED        | A.D     |
| 09   | 29.07.22 | CERTAIN SOCKETS REMOVED            | A.D     |
| 08   | 13.05.22 | SURFACE MOUNTED POSTS BASE CHANGED | A.D     |
| 07   | 16.08.21 | SR114 TITLE REVISED                | A.D     |
| 06   | 27.05.21 | DETAILS REVISED                    | M.T     |
| 05   | 12.02.19 | DETAILS REVISED                    | M.T     |
| 04   | 10.01.19 | TITLE DETAILS REVISED              | M.T     |
| 03   | 28.03.17 | DETAILS REVISED                    | M.T     |
| 02   | 01.02.17 | DETAILS REVISED                    | M.T     |
| 1.0  | 06.05.16 | DRAWING CREATED                    | M.T     |

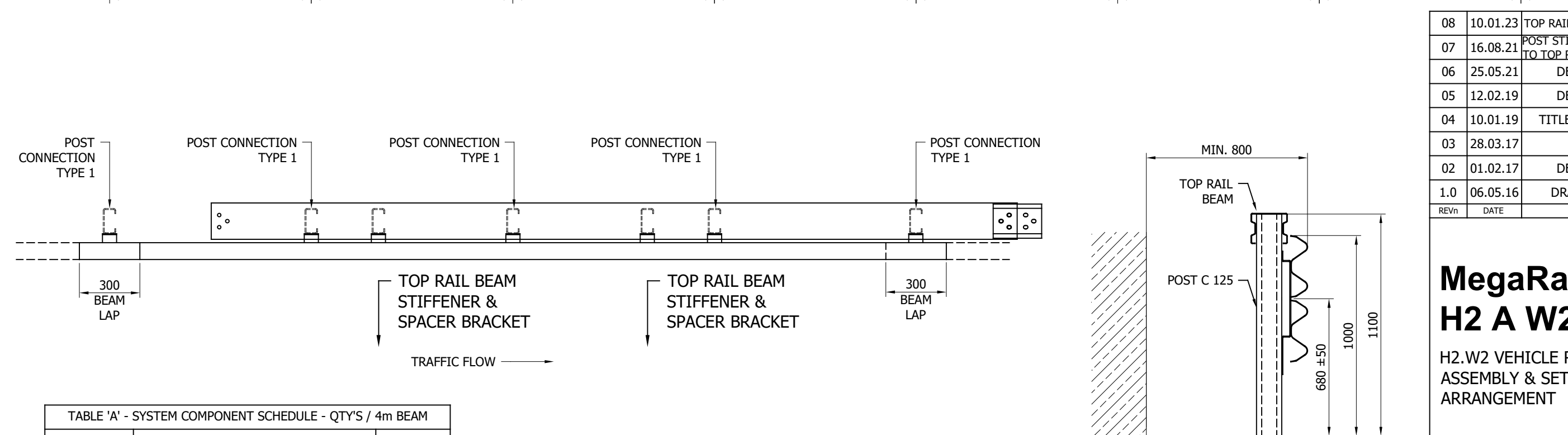
## MegaRail sk H2 A W2 VI2

H2.W2 VEHICLE RESTRAINT SYSTEM  
COMPONENTS SCHEMATIC

**SAFEROAD**

CONCORD HOUSE,  
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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| H2W2-GA-00      | 10    |



|      |          |                                                           |         |
|------|----------|-----------------------------------------------------------|---------|
| 08   | 10.01.23 | TOP RAIL JOINT CODE CHANGED                               | A.D     |
| 07   | 16.08.21 | POST STIFFENER NOTE CHANGED<br>TO TOP RAIL BEAM STIFFENER | A.D     |
| 06   | 25.05.21 | DETAILS REVISED                                           | M.T     |
| 05   | 12.02.19 | DETAILS REVISED                                           | M.T     |
| 04   | 10.01.19 | TITLE DETAILS REVISED                                     | M.T     |
| 03   | 28.03.17 | VI ADDED                                                  | M.T     |
| 02   | 01.02.17 | DETAILS REVISED                                           | M.T     |
| 1.0  | 06.05.16 | DRAWING CREATED                                           | M.T     |
| REVn | DATE     | DETAILS                                                   | INITIAL |

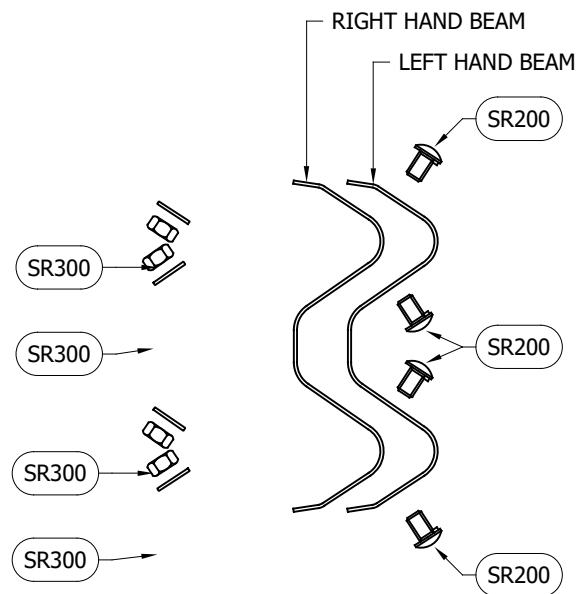
| TABLE 'A' - SYSTEM COMPONENT SCHEDULE - QTY'S / 4m BEAM                  |                         |          |
|--------------------------------------------------------------------------|-------------------------|----------|
| SAFEROAD<br>PART<br>NUMBER                                               | DESCRIPTION             | QUANTITY |
| SR028                                                                    | sk BEAM "A" PROFILE     | 2        |
| SR026                                                                    | TOP RAIL BEAM           | 1        |
| SEE TABLE 'B'                                                            | POST "C" 125            | 4        |
| SR113                                                                    | POST SPACER BRACKET     | 6        |
| SR114                                                                    | TOP RAIL BEAM STIFFENER | 2        |
| SR122                                                                    | TOP RAIL JOINT          | 1        |
| FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING<br>NUMBER H2W2-GA-02 |                         |          |

| SAFEROAD<br>PART<br>NUMBER | POST<br>LENGTH |
|----------------------------|----------------|
| SR056                      | 1600           |
| SR054                      | 1900           |
| SR055                      | 2400           |

GENERAL NOTES:

1. POSTS ARE TO BE INSTALLED WITH THE CLOSED FACE OF THE CHANNEL TOWARDS THE ON-COMING TRAFFIC.
2. FOR OPTIONS ON POST FOUNDATIONS REFER TO DRAWING NUMBER MR-GA-020
3. WHEN TYING INTO ADJACENT VRS ONLY ONE WORKING WIDTH DIFFERENCE IS PERMITTED.
4. WHERE KERB IS PRESENT THE MAXIMUM KERB HEIGHT IS 100mm. SHOULD THE KERB BE HIGHER THAN 100mm & THE FENCE IS SETBACK LESS THAN 250mm FROM FACE OF KERB, THE SYSTEM HEIGHT IS MEASURED FROM THE CARRIAGEWAY. IF THE SETBACK IS MORE THAN 250mm FROM THE FACE OF KERB THE SYSTEM HEIGHT IS MEASURED FROM THE TOP OF THE KERB. SEE MR-GA-002.
5. FOR MINIMUM LENGTH OF FULL HEIGHT VRS REFER TO CD377 & LENGTH OF NEED DRAWING MR-GA-043.

|                                                                                                                                                                                                                                                         |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <h1>MegaRail sk</h1> <h1>H2 A W2 VI2</h1> <p>H2.W2 VEHICLE RESTRAINT SYSTEM<br/>ASSEMBLY &amp; SETTING OUT<br/>ARRANGEMENT</p>                                                                                                                          |       |
| <hr/> <h1>SAFEROAD®</h1> <p>CONCORD HOUSE,<br/>BESSEMER WAY, SCUNTHORPE,<br/>NORTH LINCOLNSHIRE, DN15 8XE<br/>t: 01724 289119<br/>FOR TECHNICAL ASSISTANCE CONTACT<br/><a href="mailto:john.cudlipp@saferoad.co.uk">john.cudlipp@saferoad.co.uk</a></p> |       |
| DRAWING NUMBER:                                                                                                                                                                                                                                         | REVn: |
| H2W2-GA-01                                                                                                                                                                                                                                              | 08    |



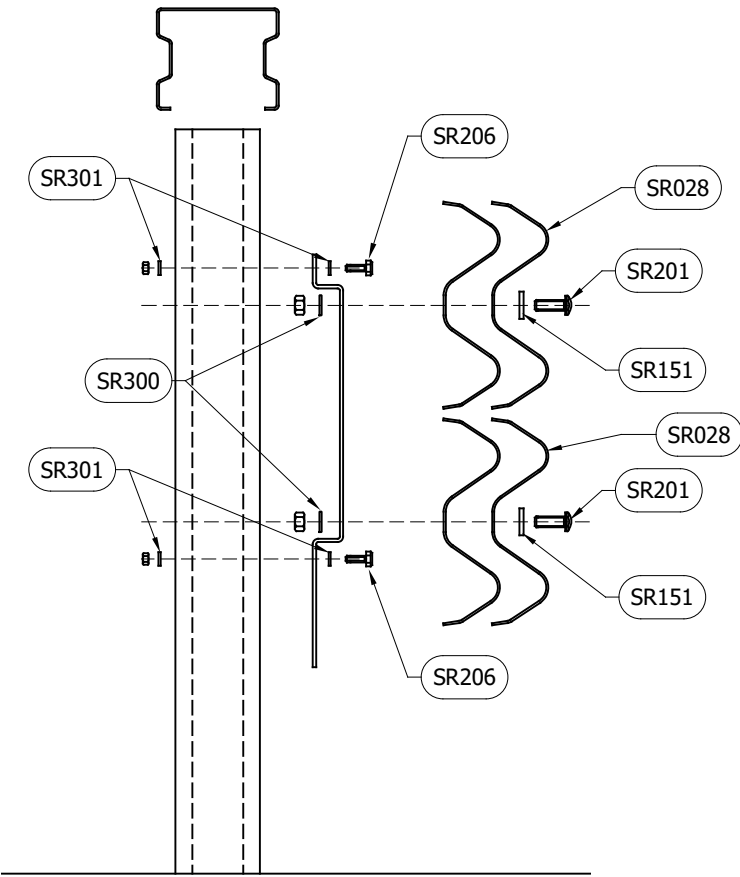
BEAM TO BEAM CONNECTION  
ARRANGEMENT  
(x2 LOCATIONS / BEAM END)

| BOLTING COMPONENT SCHEDULE - QTY'S / BEAM (x2) |                                 |                         |
|------------------------------------------------|---------------------------------|-------------------------|
| SAFEROAD PART NUMBER                           | DESCRIPTION                     | BEAM TO BEAM CONNECTION |
| SR200                                          | SETSCREW 4.6 LIP M16x27 c/w NUT | 8 (+8)                  |
| SR300                                          | WASHER M16 18∅ HOLE             | 8 (+8)                  |

| BOLTING COMPONENT SCHEDULE - QTY'S / POST SPACER TO POST |                               |                           |
|----------------------------------------------------------|-------------------------------|---------------------------|
| SAFEROAD PART NUMBER                                     | DESCRIPTION                   | POST TO SPACER CONNECTION |
| SR206                                                    | SETSCREW 4.6 M10 x 30 c/w NUT | 2                         |
| SR301                                                    | M10 WASHER 11∅ HOLE           | 4                         |

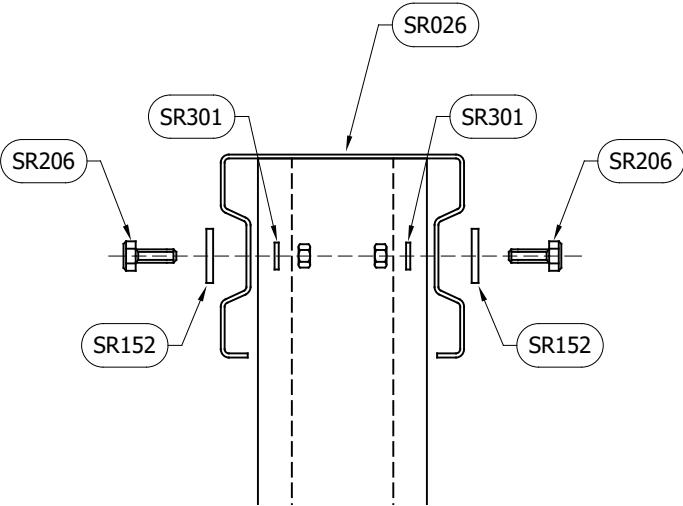
| BOLTING COMPONENT SCHEDULE - QTY'S / BEAM TO TOP RAIL BEAM STIFFENER |                                   |                           |
|----------------------------------------------------------------------|-----------------------------------|---------------------------|
| SAFEROAD PART NUMBER                                                 | DESCRIPTION                       | POST TO SPACER CONNECTION |
| SR201                                                                | SETSCREW 8.8 M16 x 45 c/w NUT     | 2                         |
| SR151                                                                | WASHER PLATE 115 x 40 x 6 DIA. 18 | 2                         |
| SR300                                                                | M16 WASHER 18∅ HOLE               | 2                         |

| BOLTING COMPONENT SCHEDULE - QTY'S / BEAM TO POST SPACER (x2) |                                   |                         |
|---------------------------------------------------------------|-----------------------------------|-------------------------|
| SAFEROAD PART NUMBER                                          | DESCRIPTION                       | BEAM TO POST CONNECTION |
| SR201                                                         | SETSCREW 8.8 M16 x 45 c/w NUT     | 1                       |
| SR152                                                         | WASHER PLATE 115 x 40 x 6 DIA. 18 | 1                       |
| SR300                                                         | M16 WASHER 18∅ HOLE               | 1                       |

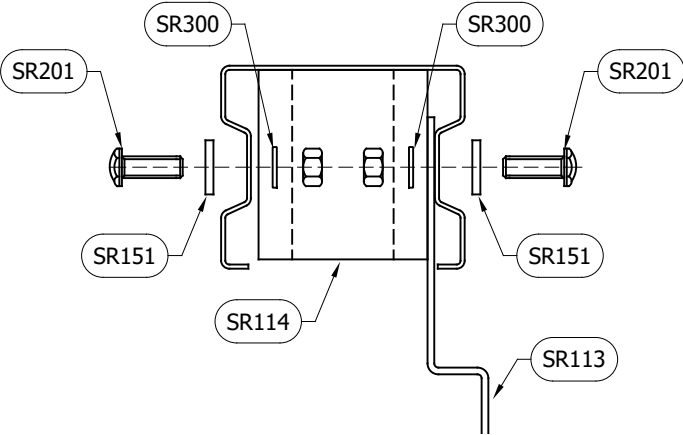


BEAM TO POST  
CONNECTION TYPE 1

\*\* BEAM REFERENCES i.e. LEFT / RIGHT HAND ARE FOR VERGE INSTALLATIONS; FOR CENTRAL RESERVATION INSTALLATIONS THE REFERENCES ARE REVERSED



TOP RAIL BEAM TO POST  
CONNECTION

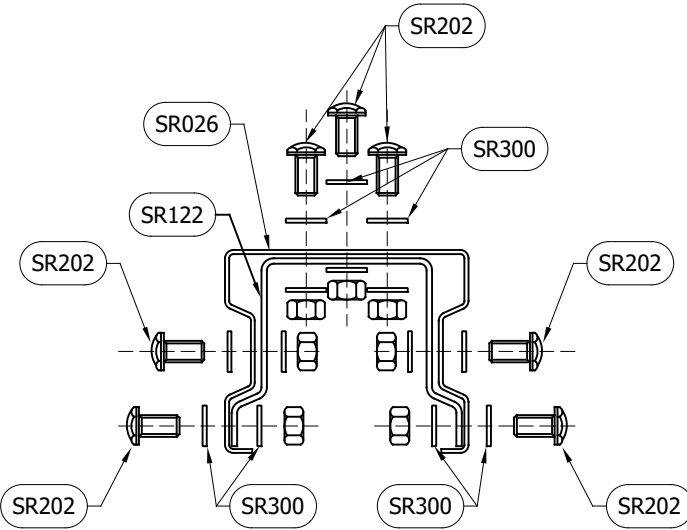


TOP RAIL BEAM STIFFENER  
CONNECTION

| BOLTING COMPONENT SCHEDULE - QTY'S / TOP RAIL BEAM TO POST |                                   |                             |
|------------------------------------------------------------|-----------------------------------|-----------------------------|
| SAFEROAD PART NUMBER                                       | DESCRIPTION                       | TOP RAIL TO POST CONNECTION |
| SR206                                                      | SETSCREW 4.6 M10 x 30 c/w NUT     | 1                           |
| SR152                                                      | WASHER PLATE 115 x 40 x 5 DIA. 12 | 1                           |
| SR301                                                      | M10 WASHER 11∅ HOLE               | 1                           |
| QTY OF CONNECTION TYPES / 4m TOP RAIL BEAM                 |                                   | 4                           |

| BOLTING COMPONENT SCHEDULE - QTY'S / TOP RAIL BEAM JOINT |                               |                       |
|----------------------------------------------------------|-------------------------------|-----------------------|
| SAFEROAD PART NUMBER                                     | DESCRIPTION                   | RAIL JOINT CONNECTION |
| SR202                                                    | SETSCREW 8.8 M16 x 30 c/w NUT | 14                    |
| SR300                                                    | M16 WASHER 18∅ HOLE           | 28                    |

- GENERAL NOTES:
- NUMBERS IN THE SCHEDULES SUFFIXED (+) DENOTES THE ADDITIONAL QUANTITY OF COMPONENTS REQUIRED FOR EXTREME ENDS OF INDIVIDUAL RUNS OF BARRIER.



TOP RAIL JOINT  
CONNECTION

|      |          |                                                |         |
|------|----------|------------------------------------------------|---------|
| 07   | 10.01.23 | TOP RAIL JOINT CODE CHANGED                    | A.D     |
| 06   | 08.10.21 | COMPONENT SCHEDULE TITLE CHANGED               | A.D     |
| 05   | 16.08.21 | TOP RAIL BEAM STIFFENER CONNECTION TITLE ADDED | A.D     |
| 04   | 09.01.19 | DETAILS REVISED                                | M.T     |
| 03   | 28.03.17 | VI ADDED                                       | M.T     |
| 02   | 01.02.17 | DETAILS REVISED                                | M.T     |
| 1.0  | 06.05.16 | DRAWING CREATED                                | M.T     |
| REVn | DATE     | DETAILS                                        | INITIAL |

# MegaRail sk H2 A W2 VI2

H2.W2 VEHICLE RESTRAINT SYSTEM  
BOLTING ARRANGEMENTS

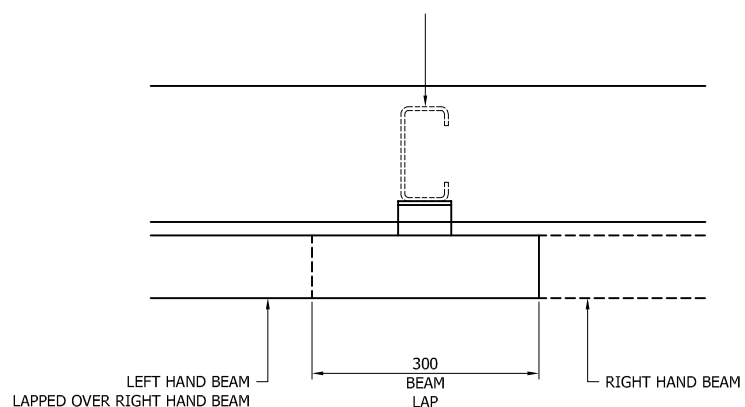
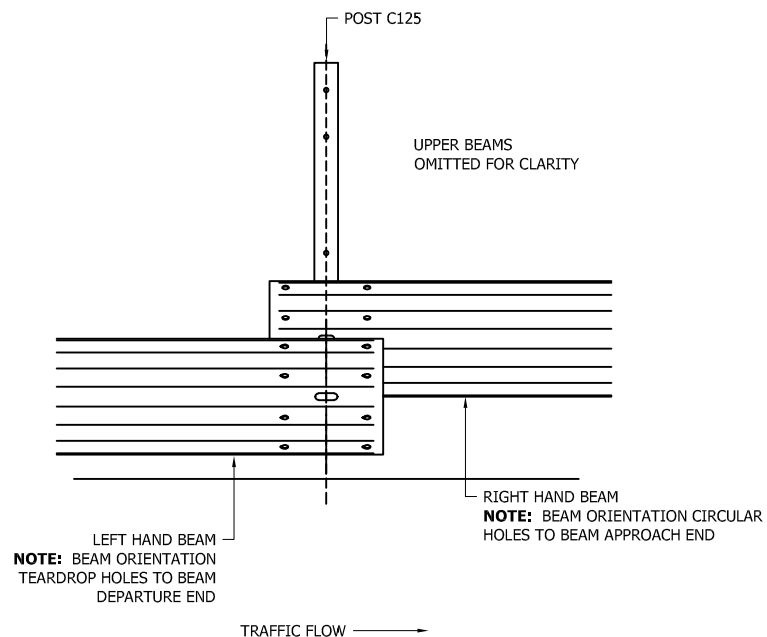
**SAFEROAD®**

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t: 01724 289119  
FOR TECHNICAL ASSISTANCE CONTACT  
john.cudlipp@saferoad.co.uk

|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| H2W2-GA-02      | 07    |

GENERAL NOTES:

1. POSTS ARE TO BE INSTALLED WITH THE CLOSED FACE OF THE CHANNEL TOWARDS THE ON-COMING TRAFFIC.



\*\* BEAM REFERENCES i.e. LEFT / RIGHT HAND ARE FOR VERGE INSTALLATIONS; FOR CENTRAL RESERVATION INSTALLATIONS THE REFERENCES ARE REVERSED

| 04   | 10.01.19 | TITLE DETAILS REVISED | M.T     |
|------|----------|-----------------------|---------|
| 03   | 28.03.17 | VI ADDED              | M.T     |
| 02   | 01.02.17 | DETAILS REVISED       | M.T     |
| 1.0  | 06.05.16 | DRAWING CREATED       | M.T     |
| REVn | DATE     | DETAILS               | INITIAL |

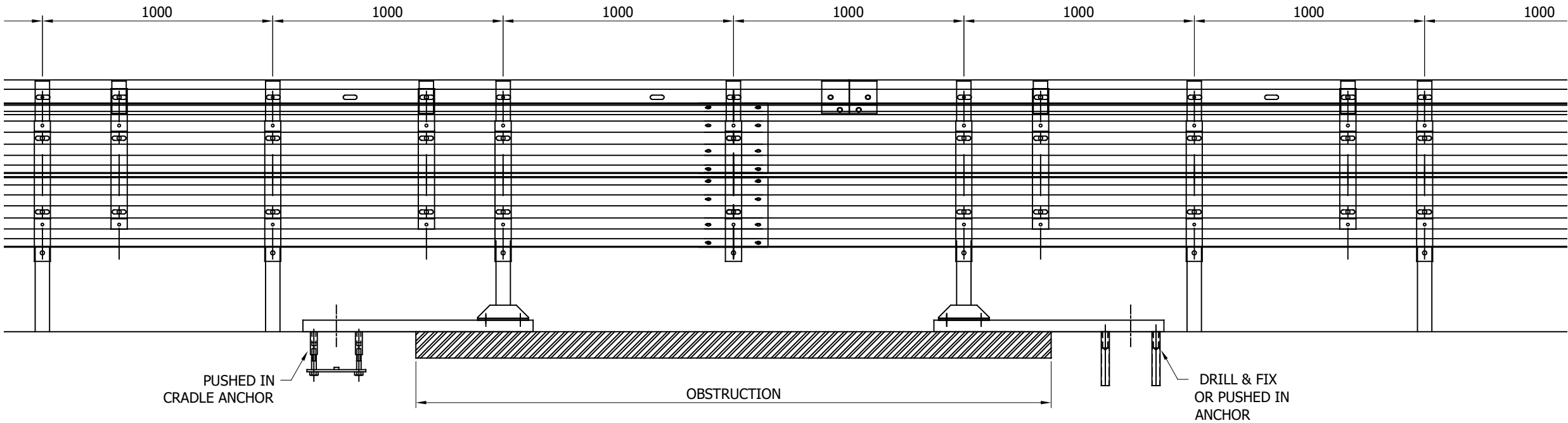
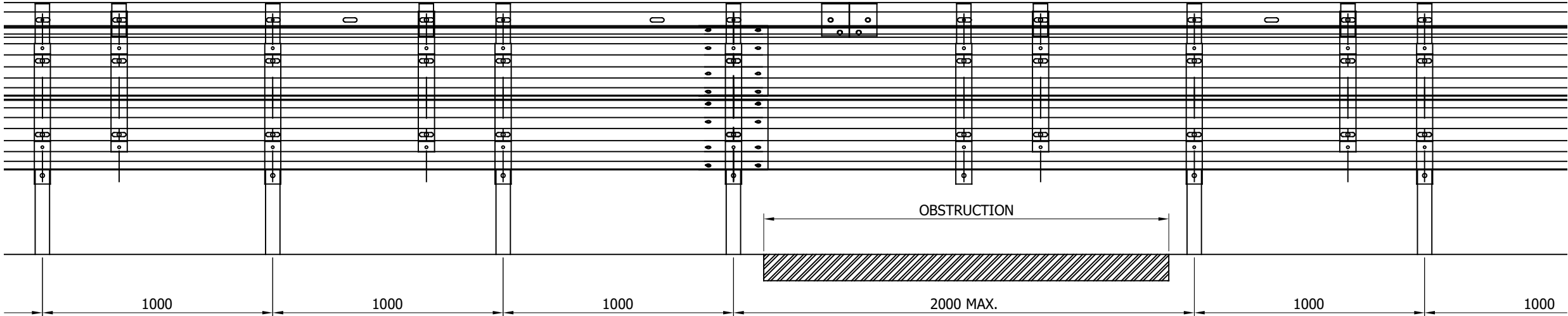
## MegaRail sk H2 A W2 VI2

H2.W2 VEHICLE RESTRAINT SYSTEM  
BEAM LAPPING DETAIL FOR H2 A W2  
MEGARAIL SYSTEM

# SAFEROAD®

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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| H2W2-GA-03      | 04    |



- GENERAL NOTES:
1. IF THE SITE CONDITIONS DO NOT ALLOW A POST TO BE INSTALLED ON THE SYSTEM PITCH DEVIATIONS CAN BE APPLIED. THE OBSTRUCTED POST CAN BE LEFT OUT AND EXTRA POSTS INSTALLED TO SPAN THE OBSTRUCTION. THE NEW POST SPACING MUST NOT EXCEED 2000mm AND MUST NOT BE LESS THAN 500mm. ALTHOUGH IT WOULD BE BENEFICIAL TO USE THE HOLES ALREADY IN THE BEAM IT IS ACCEPTABLE TO DRILL NEW HOLES IN THE DESIRED POSITIONS AND TREAT WITH ZINC RICH PAINT.
  2. OFFSET POSTS SHOWN ON DRAWING H2W2-GA-00 CAN BE USED.

|      |          |                                      |         |
|------|----------|--------------------------------------|---------|
| 05   | 13.05.22 | SURFACE MOUNTED POST<br>BASE CHANGED | A.D     |
| 04   | 23.07.21 | SURFACE MOUNTED POST<br>DETAIL ADDED | A.D     |
| 03   | 10.01.19 | TITLE DETAILS REVISED                | M.T     |
| 02   | 28.03.17 | VI ADDED                             | M.T     |
| 01   | 10.03.17 | NOTE No. 1 REVISED                   | M.T     |
| 00   | 03.02.17 | DRAWING CREATED                      | L.L     |
| REVn | DATE     | DETAILS                              | INITIAL |

# MegaRail sk H2 A W2 VI2

H2.W2 VEHICLE RESTRAINT SYSTEM  
DEVIATION SETTING OUT  
ARRANGEMENT

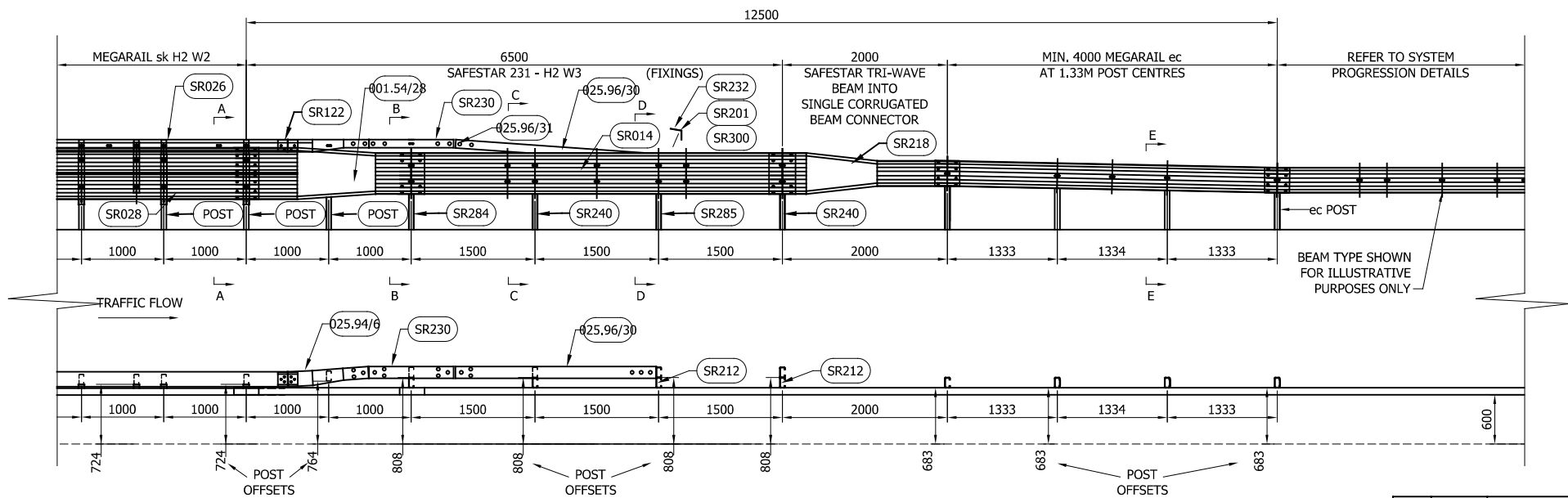
**SAFEROAD®**

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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| H2W2-GA-40      | 05    |







POST LENGTHS DETAILED WITHIN GA & TABLE ARE EXAMPLES OF LENGTHS AVAILABLE. LENGTH/FOUNDATION VARIATIONS ARE AVAILABLE AS SHOWN ON GA-00, AS REQUIRED VIA SOIL TESTING PROCEDURE

TABLE 'A' - COMPONENT SCHEDULE - QTY'S 1 No. DEPARTURE

| SAFEROAD PART NUMBER                                                                            | DESCRIPTION                                 | QUANTITY |
|-------------------------------------------------------------------------------------------------|---------------------------------------------|----------|
| 001.54/27                                                                                       | sk TO TRI-WAVE BEAM APPROACH                | 0        |
| 001.54/28                                                                                       | sk TO TRI-WAVE BEAM DEPARTURE               | 1        |
| 025.94/6                                                                                        | sk TO SAFESTAR TRANSITION TOP RAIL          | 1        |
| SR230                                                                                           | SAFESTAR TOP RAIL 1100                      | 1        |
| 025.96/30                                                                                       | LOWERING END TOP RAIL                       | 1        |
| 025.96/31                                                                                       | TOP RAIL JOINT ANGLED                       |          |
| SR212                                                                                           | SAFESTAR SPACER 275                         | 4        |
| SR028                                                                                           | sk BEAM "A" PROFILE                         | 2        |
| SR014                                                                                           | TRI-WAVE BEAM                               | 1        |
| SR232                                                                                           | ATTACHMENT ANGLE                            | 1        |
| SK POST                                                                                         | 'C' POST 125 (SEE GA-00 FOR LENGTH OPTIONS) | 3        |
| SR284                                                                                           | 'C' POST 125 x 1600 LONG cw CONN.           | 1        |
| SR240                                                                                           | 'C' POST 125 x 1250 LONG SAFESTAR           | 2        |
| SR285                                                                                           | 'C' POST 125 x 1250 LONG SAFESTAR w CONN.   | 1        |
| FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING NUMBER H2W2-GA-02 & SAFESTAR DRG H2W3-GA-02 |                                             |          |

|      |          |                                           |         |
|------|----------|-------------------------------------------|---------|
| 09   | 16/05/25 | DETAILS UPDATED                           | H.B     |
| 08   | 11/03/24 | NOTE REGARDING POST LENGTHS ADDED         | H.B     |
| 07   | 03.08.23 | DETAILS UPDATED                           | H.B     |
| 06   | 10.01.23 | TOP RAIL JOINT CODE CHANGED               | A.D     |
| 05   | 19.10.21 | DETAILS REVISED                           | A.D     |
| 04   | 08.10.21 | DETAILS REVISED                           | A.D     |
| 03   | 23.09.21 | SAFESTAR TRI-WAVE CONNECTION CODE CHANGED | A.D     |
| 02   | 25.05.21 | DETAILS REVISED                           | M.T     |
| 01   | 29.03.19 | DETAILS REVISED                           | M.T     |
| REVn | DATE     | DETAILS                                   | INITIAL |

## MegaRail sk H2 A W2 VI2

H2.W2 VEHICLE RESTRAINT SYSTEM  
SYSTEM PROGRESSION FROM H2 W2  
MEGARAIL sk



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

H2W2-GA-53

09

### GENERAL NOTES:

- TO BE READ IN CONJUNCTION WITH DRG.  
Nos. H2W2-GA-00, H2W2-GA-01 &  
H2W2-GA-02.
- DEPARTURE CONNECTION SHOWN, APPROACH  
SIMILAR BUT HANDED. CODES AS SHOWN.

