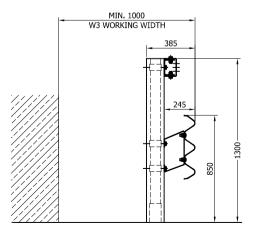


| TABLE 'A' - SYSTEM IDENTIFICATION SCHEDULE | | | |
|---|------------------------------|----------------------|--|
| PART NUMBER | DESCRIPTION | QUANTITY'S PER 4M | |
| SR567 | TRI-WAVE BEAM | 1 | |
| SR568 | TOP RAIL | 1 | |
| SEE TABLE 'B' | POST "C" 140 | 3 | |
| SR569 | TRI-WAVE BEAM SPACER BRACKET | 3 | |
| SR570 | TOP RAIL SPACER BRACKET | 3 | |
| FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING | | | |

| R569 | 3 | | |
|---|---|--|--|
| R570 | 3 | | |
| FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING NUMBER MR-H4bW3-GA-02 | | | |
| | | | |

| TABLE 'B' - SCHEDULE OF POST PART NUMBERS AND LENGTHS | | |
|--|----------------------|--|
| PART NUMBER | POST LENGTH | |
| SR571 | 1750 | |
| SR572 | 2100 | |
| SR573 | 2300 | |
| SR574 | 2500 | |
| SR563 | SURFACE MOUNTED POST | |



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SAFESTAR 431 **H4b W3 A**

H4b W3 VEHICLE RESTRAINT SYSTEM ASSEMBLY AND SETTING OUT ARRANGEMENT

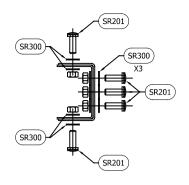
SAFEROAD

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

DRAWING NUMBER:

MR-H4bW3-GA-01

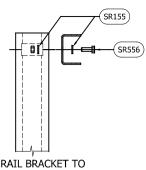
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TOP RAIL LAP CONNECTION

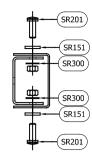
(1No. CONNECTION P/RAIL END)

| QUANTITIES PER RAIL REQUIRED | | | |
|------------------------------|----------------------------------|----------|--|
| PART NUMBER DESCRIPTION | | QUANTITY | |
| SR201 | M16x45 PANHEAD GRADE 8.8 C/W NUT | 5 | |
| SR300 | M16 WASHER 18Ø HOLE X 30o/d | 10 | |



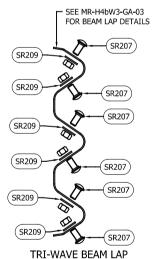
| TOP RAIL BRACKET | TO |
|------------------|----|
| POST CONNECTIO | N |

| QUANTITIES PER POST REQUIRED | | | | |
|------------------------------|-----------------------------------|----------|--|--|
| PART NUMBER | DESCRIPTION | QUANTITY | | |
| SR556 | M16x45 HEXHEAD GRADE 10.9 C/W NUT | 1 | | |
| SR155 | M16x85x35x4 WASHER PLATE | 2 | | |



TOP RAIL BRACKET TO RAIL CONNECTION

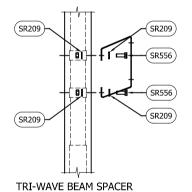
| QUANTITIES PER POST REQUIRED | | |
|------------------------------|----------------------------------|----------|
| PART NUMBER | DESCRIPTION | QUANTITY |
| SR201 | M16x45 PANHEAD GRADE 8.8 C/W NUT | 2 |
| SR151 | M16x115x40x6 WASHER PLATE | 2 |
| SR300 | M16 WASHER 18Ø HOLE X 30o/d | 2 |



CONNECTION BY BEAM END

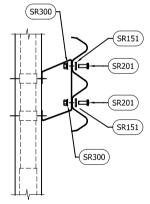
(1No. CONNECTION P/BEAM END)

| QUANTITIES PER BEAM REQUIRED | | | |
|------------------------------|-------------------------------------|----------|--|
| PART NUMBER | DESCRIPTION | QUANTITY | |
| SR207 | M16x30 PANHEAD GRADE 8.8 c/w NUT | 12 | |
| SR209 | M16 WASHER 18¢ HOLE x 38o/d | 12 | |



| QUANTITIES PER POST REQUIRED | | | |
|------------------------------|-----------------------------------|----------|--|
| PART NUMBER | DESCRIPTION | QUANTITY | |
| SR556 | M16x45 HEXHEAD GRADE 10.9 C/W NUT | 2 | |
| SR209 | M16 WASHER 18Ø HOLE X 38o/d | 2 | |

TO POST CONNECTION



TRI-WAVE BEAM SPACER
TO BEAM CONNECTION

| PART NUMBER DESCRIPTION | | QUANTITY |
|-------------------------|----------------------------------|----------|
| SR201 | M16x45 PANHEAD GRADE 8.8 C/W NUT | 2 |
| SR151 | M16x115x40x6 WASHER PLATE | 2 |
| SR300 | M16 WASHER 18Ø HOLE X 30o/d | 2 |

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| | | | |

SAFESTAR 431 H4b W3 A

H4bW3 VEHICLE RESTRAINT SYSTEM BOLTING ARRANGEMENTS



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DAWING NUMBER:

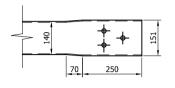
REVn:

MR-H4bW3-GA-02

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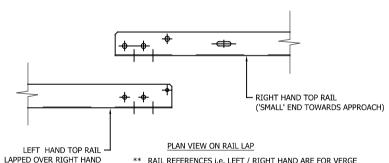
GENERAL NOTES:

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



PLAN VIEW ON RAIL END

** NOTE: TOP RAIL IS TAPERED AT DEPARTURE END. SEE ABOVE DETAIL.



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

TRAFFIC FLOW -----

LEFT HAND BEAM

L RIGHT HAND BEAM

SAFESTAR 431

C140 POST

SR569

LAPPED OVER RIGHT HAND
('LARGE' END TOWARDS DEPARTURE)

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

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SAFESTAR 431 H4b W3 A

H4bW3 VEHICLE RESTRAINT SYSTEM. BEAM LAPPING DETAIL



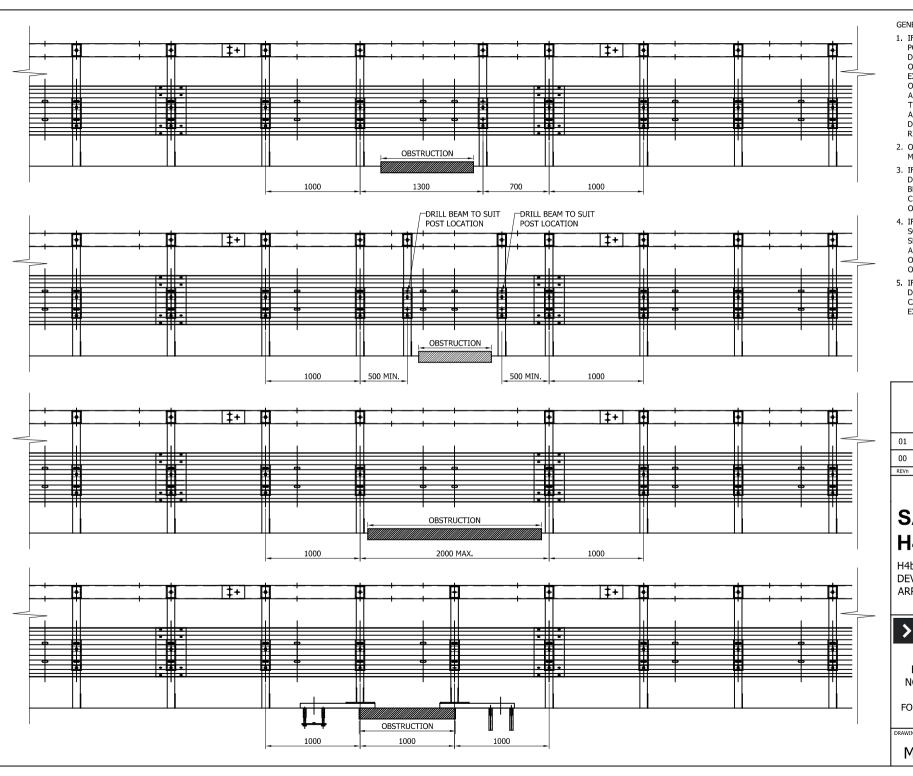
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BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
john.cudlipp@saferoad.co.uk

DRAWING NUMBER:

REVn:

MR-H4bW3-GA-03

01



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 AS PER THIS DRAWING. 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 MR-H4bW3-GA-00 CAN BE USED.
- 3. IF SITE CONDITIONS DO NOT ALLOW REGULAR DISTANCE BETWEEN THE POSTS, POSTS CAN BE SHIFTED BY 300MM, ALTERED POST CENTRES MUST NOT BE WITHIN A BEAM LAP OR TOP RAIL LAP BAY
- 4. IF IT IS NOTE POSSIBLE TO USE THE SOLUTION DESCRIBED IN NOTE 3, THE POST SPACING CAN BE REDUCED WITH AN ADDITIONAL POST. THE MINIMUM DISTANCE OF 500MM BETWEEN POSTS MUST BE OBSERVED.
- 5. IF IT IS NOT POSSIBLE TO USE THE SOLUTION DESCRIBED IN NOTE 4, IN EXCEPTIONAL CASES, THE POST DISTANCE CAN BE EXTENDED TO 2M.

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SAFESTAR 431 H4b W3 A

H4bW3 VEHICLE RESTRAINT SYSTEM DEVIATION SETTING OUT ARRANGEMENT

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AWING NUMBER:

REVn:

MR-H4bW3-GA-40

