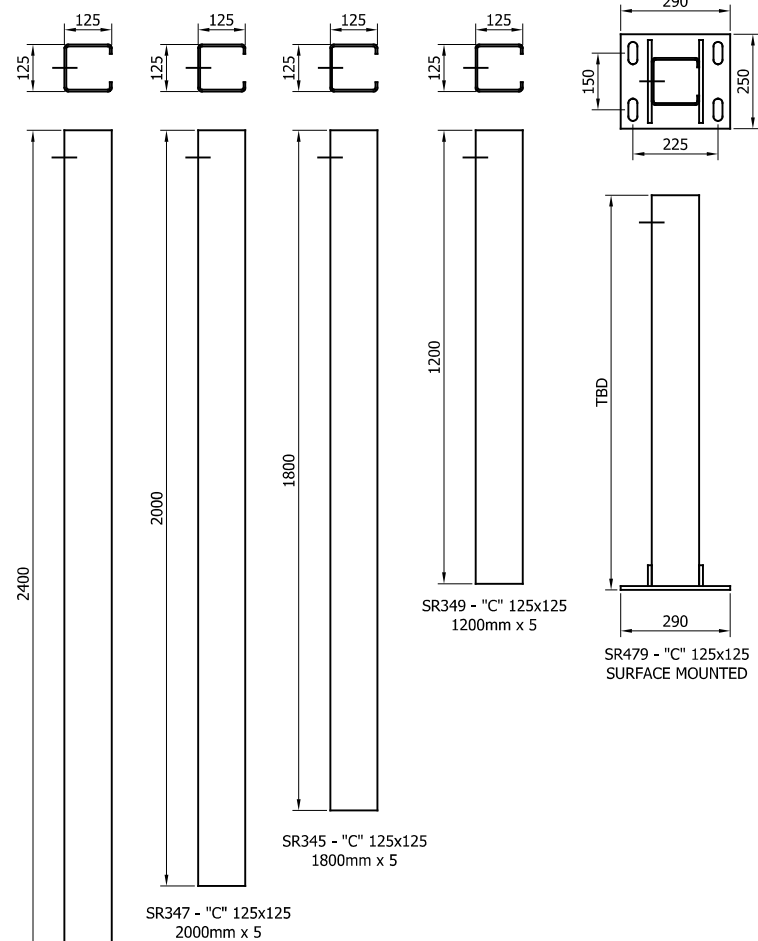
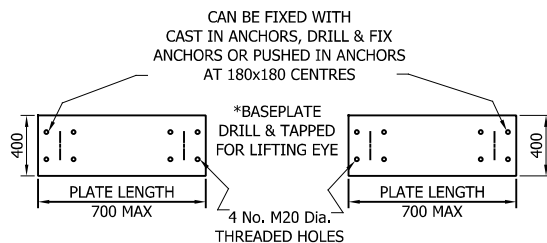
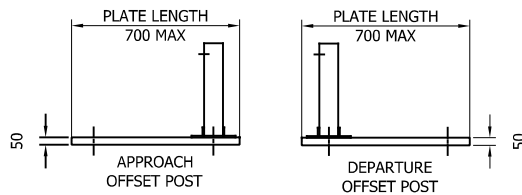
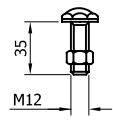
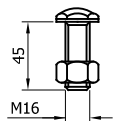
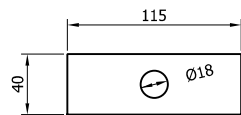
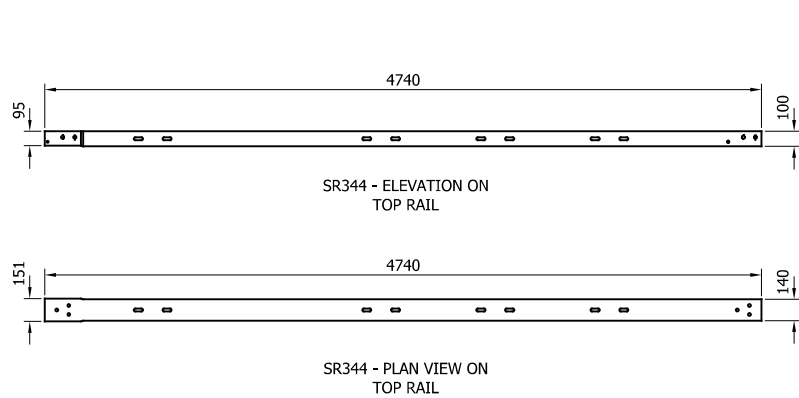


|      |          |                          |         |
|------|----------|--------------------------|---------|
| 04   | 08/12/23 | PART NUMBERS UPDATED     | H.B     |
| 03   | 11/09/23 | WASHER PLATE CODE CHANGE | H.B     |
| 02   | 10/02/23 | SMP DETAIL UPDATE        | H.B     |
| 01   | 06/02/23 | M12 BOLT DETAIL CHANGE   | H.B     |
| 00   | 30/08/22 | DRAWING CREATED          | H.B     |
| REVn | DATE     | DETAILS                  | INITIAL |

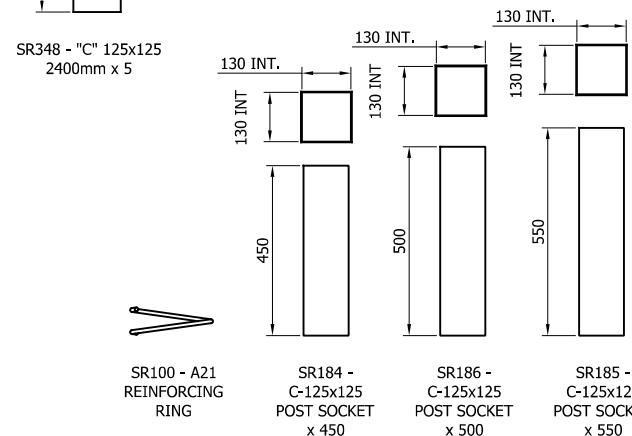
## MEGARAIL xn N2W4

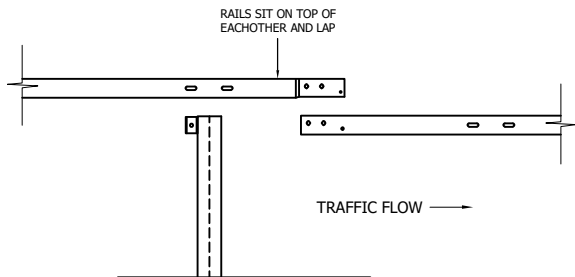
MEGARAIL xn VEHICLE RESTRAINT  
SYSTEM COMPONENTS SCHEMATIC



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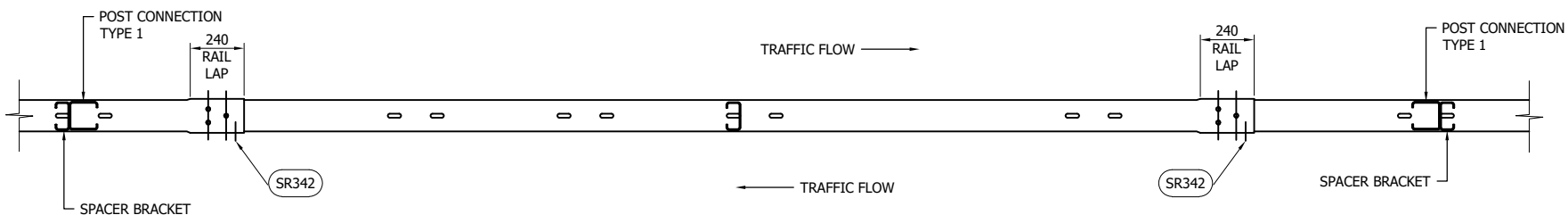
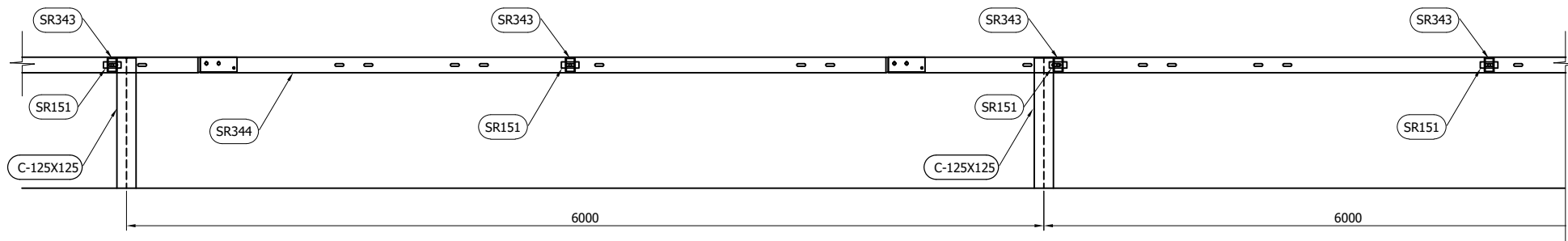
|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-xn-GA-00     | 04    |





EXPANSION ASSEMBLY TO BE INSTALLED EVERY 90M.  
FIRST EXPANSION ASSEMBLY TO BE INSTALLED 45M  
FROM ADJOINING SYSTEM OR TERMINAL

INSTALLATION TEAM TO CHECK EXPANSION ASSEMBLY  
FASTENERS ARE SET TO A TORQUE OF 15Nm. OUTSIDE  
LOCKING NUT TIGHTENED TO 70Nm

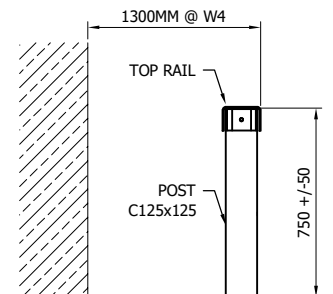


| TABLE 'A' - SYSTEM COMPONENT SCHEDULE - QTY'S / 4.74m RAIL             |                           |          |
|------------------------------------------------------------------------|---------------------------|----------|
| SAFEROAD PART NUMBER                                                   | DESCRIPTION               | QUANTITY |
| SR344                                                                  | TOP RAIL                  | 1        |
| SR343                                                                  | C125x125 SPACER           | 2        |
| SEE TABLE 'B'                                                          | POST "C" 125x125          | 1        |
| SR151                                                                  | M16x115x40x6 WASHER PLATE | 2        |
| FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING NUMBER MR-xn-GA-02 |                           |          |

| TABLE 'B' - SCHEDULE OF POST REFERENCES |             |
|-----------------------------------------|-------------|
| SAFEROAD PART NUMBER                    | POST LENGTH |
| SR349                                   | 1200        |
| SR345                                   | 1800        |
| SR347                                   | 2000        |
| SR348                                   | 2400        |

#### GENERAL NOTES:

1. POST ORIENTATION TO BE FLIPPED EVERY 6M
2. WHEN TYING INTO ADJACENT VRS ONLY ONE WORKING WIDTH DIFFERENCE IS PERMITTED.
3. SEE MR-GA-001 & MR-GA-003 FOR DETAILS OF SYSTEM HEIGHTS WITH REFERENCE TO SETBACK & KERB HEIGHT.
4. FOR MINIMUM LENGTH OF FULL HEIGHT VRS REFER TO SAFEROAD MEGARAIL MANUAL.
5. SR342 TO BE PREDOMINANTLY INSTALLED IN ORIENTATION SHOWN ABOVE. SEE MR-xn-GA-02 FOR FURTHER DETAILS
6. ON VERGE LOCATIONS, SR342 TO BE INSTALLED AT TRAFFIC FACE



| 06   | 05/08/26 | EXPANSION NOTE ADDED             | H.B     |
|------|----------|----------------------------------|---------|
| 05   | 16/04/25 | EXPANSION NOTE UPDATED           | H.B     |
| 04   | 12/12/24 | EXPANSION NOTE ADDED             | H.B     |
| 03   | 08/12/23 | PART NUMBERS UPDATED             | H.B     |
| 02   | 11/09/23 | WASHER PLATE CODE CHANGE         | H.B     |
| 01   | 06/02/23 | POST ORIENTATION DETAILS UPDATED | H.B     |
| 00   | 30/08/22 | DRAWING CREATED                  | H.B     |
| REVn | DATE     | DETAILS                          | INITIAL |

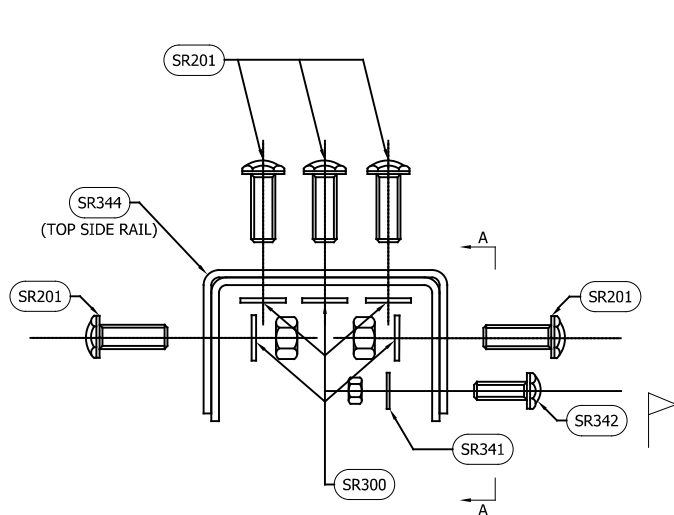
## MEGARAIL xn N2W4

MEGARAIL xn VEHICLE RESTRAINT  
SYSTEM ASSEMBLY & SETTING OUT  
ARRANGEMENT

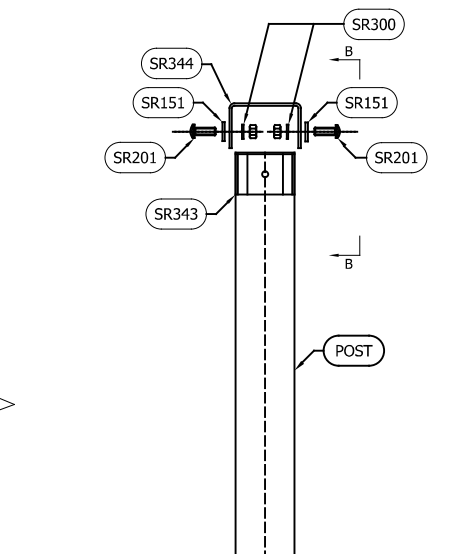


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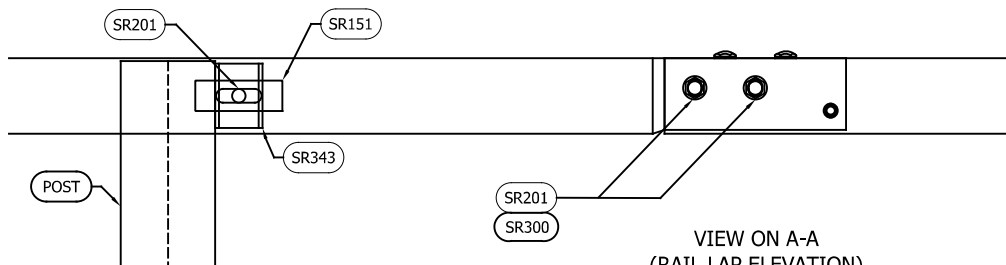
|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-xn-GA-01     | 06    |



RAIL TO RAIL CONNECTION  
ARRANGEMENT  
CONNECTION TYPE 1



TOP RAIL TO POST  
(THROUGH SPACER)  
CONNECTION TYPE 2



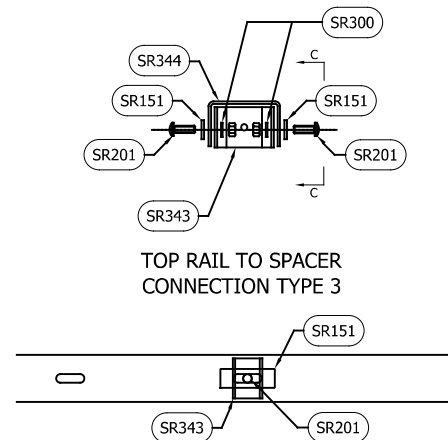
VIEW ON B-B  
(TOP RAIL TO POST ELEVATION)  
CONNECTION TYPE 2

VIEW ON A-A  
(RAIL LAP ELEVATION)  
CONNECTION TYPE 1

#### GENERAL NOTES:

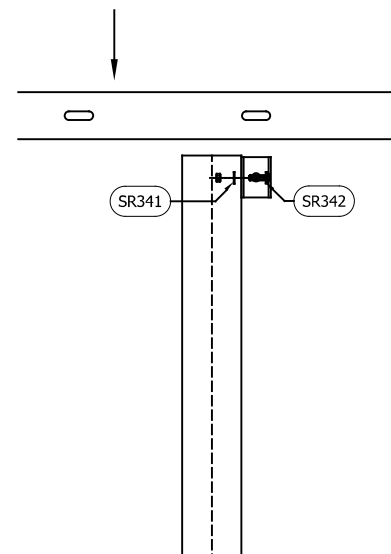
- NUMBERS IN THE SCHEDULES SUFFIXED (+) DENOTES THE ADDITIONAL QUANTITY OF COMPONENTS REQUIRED FOR EXTREME ENDS OF INDIVIDUAL RUNS OF BARRIER OR FOR NOTED PURPOSE.
- M12 BOLT INSTALLED ON SIDE WHERE RAIL LAP HAS TRAFFIC FLOWING TOWARDS UN-COVERED EXTREME EDGE OF TOP SIDE RAIL.
- ON VERGE LOCATIONS, SR342 TO BE INSTALLED AT TRAFFIC FACE.

| BOLTING COMPONENT SCHEDULE - QTY'S / RAIL TO RAIL CONNECTION - CONNECTION TYPE 1 (1No. P/RAIL) |                               |                         |
|------------------------------------------------------------------------------------------------|-------------------------------|-------------------------|
| SAFEROAD PART NUMBER                                                                           | DESCRIPTION                   | RAIL TO RAIL CONNECTION |
| SR201                                                                                          | SETSCREW 8.8 M16 x 45 c/w NUT | 7                       |
| SR300                                                                                          | M16 WASHER 18Ø HOLE           | 7                       |
| SR342                                                                                          | SETSCREW 8.8 M12 x 35 c/w NUT | 1 (+1)                  |
| SR341                                                                                          | M12 WASHER 13.5Ø HOLE         | 1 (+1)                  |



TOP RAIL TO SPACER  
CONNECTION TYPE 3

VIEW ON C-C  
(ELEVATION ON MID-RAIL  
SPACER)



POST SPACER TO POST  
(VIEW AT TRAFFIC FACE)  
CONNECTION TYPE 4

| BOLTING COMPONENT SCHEDULE - QTY'S / RAIL TO POST CONNECTION - CONNECTION TYPE 2 |                                   |                         |
|----------------------------------------------------------------------------------|-----------------------------------|-------------------------|
| SAFEROAD PART NUMBER                                                             | DESCRIPTION                       | RAIL TO POST 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 18Ø HOLE               | 2                       |

| BOLTING COMPONENT SCHEDULE - QTY'S / RAIL TO SPACER (MID RAIL) - CONNECTION TYPE 3 |                                   |                         |
|------------------------------------------------------------------------------------|-----------------------------------|-------------------------|
| SAFEROAD PART NUMBER                                                               | DESCRIPTION                       | RAIL TO POST 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 18Ø HOLE               | 2                       |

| BOLTING COMPONENT SCHEDULE - QTY'S / POST SPACER TO POST - CONNECTION TYPE 4 (1No. P/POST) |                               |                       |
|--------------------------------------------------------------------------------------------|-------------------------------|-----------------------|
| SAFEROAD PART NUMBER                                                                       | DESCRIPTION                   | RAIL JOINT CONNECTION |
| SR342                                                                                      | SETSCREW 8.8 M12 x 35 c/w NUT | 1                     |
| SR341                                                                                      | M12 WASHER 13.5Ø HOLE         | 1                     |

|      |          |                          |         |
|------|----------|--------------------------|---------|
| 04   | 08/12/23 | PART NUMBERS UPDATED     | H.B     |
| 03   | 11/09/23 | WASHER PLATE CODE CHANGE | H.B     |
| 02   | 19/05/23 | NOTE REMOVED             | H.B     |
| 01   | 06/02/23 | FIXING DETAILS UPDATED   | H.B     |
| 00   | 30/08/22 | DRAWING CREATED          | H.B     |
| REVn | DATE     | DETAILS                  | INITIAL |

## MEGARAIL xn N2W4

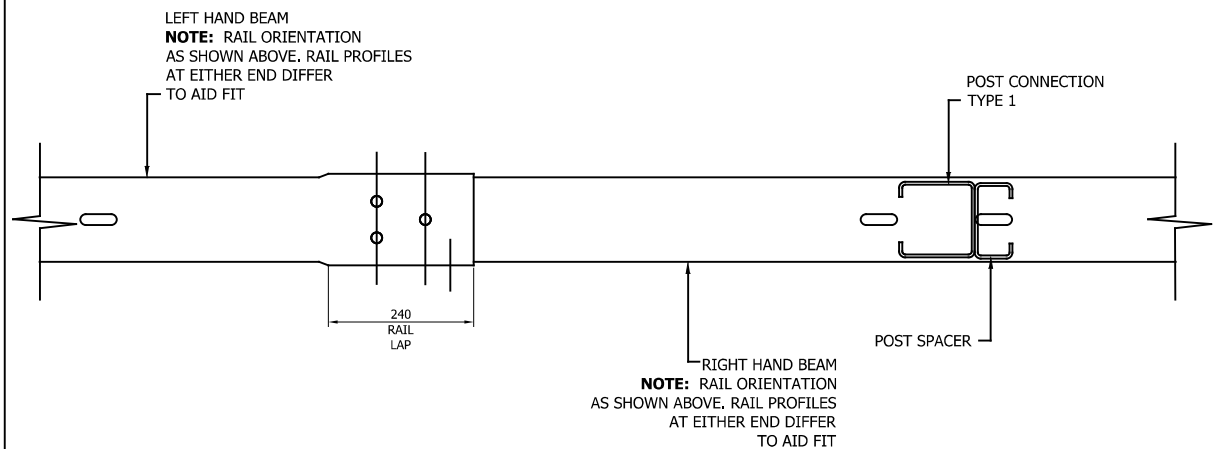
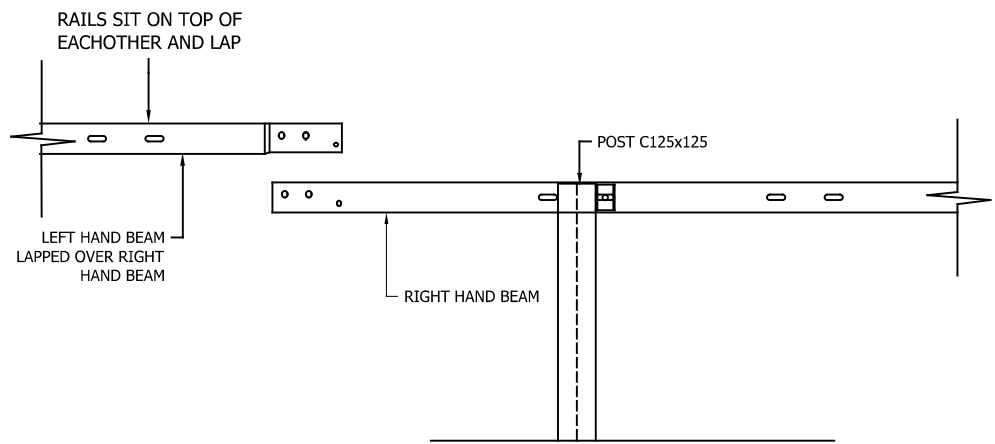
MEGARAIL xn VEHICLE RESTRAINT  
SYSTEM BOLTING ARRANGEMENTS



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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-xn-GA-02     | 04    |

- GENERAL NOTES:
1. POST ORIENTATION TO BE FLIPPED EVERY 6M



| REVn | DATE     | DETAILS               | INITIAL |
|------|----------|-----------------------|---------|
| 02   | 08/12/23 | LOGO UPDATED          | H.B     |
| 01   | 06/02/23 | HIDDEN DETAIL REMOVED | H.B     |
| 00   | 30/08/22 | DRAWING CREATED       | H.B     |

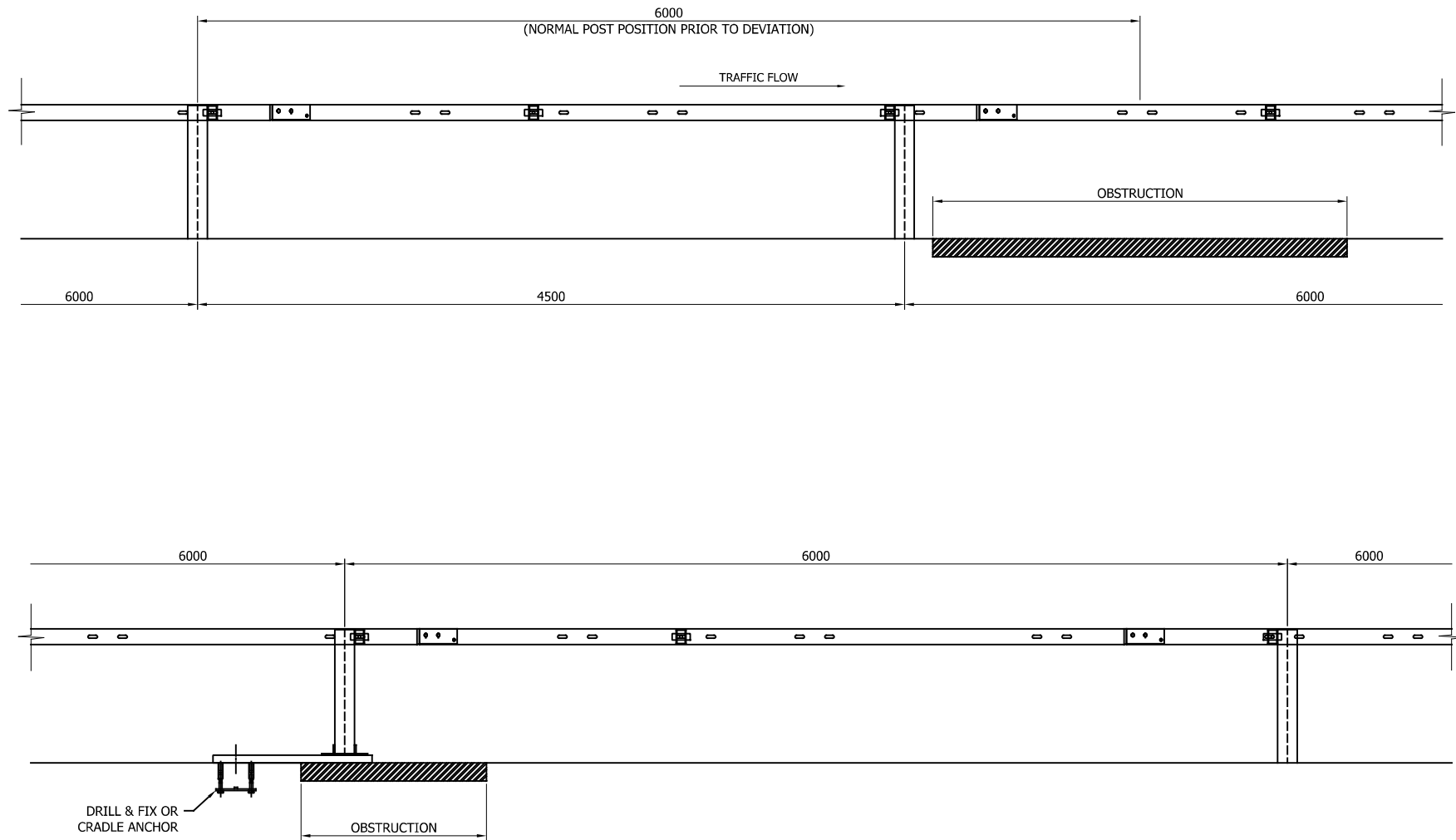
# MEGARAIL xn N2W4

MEGARAIL xn VEHICLE RESTRAINT  
SYSTEM RAIL LAPPING DETAIL FOR  
N2 MEGARAIL SYSTEM



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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-xn-GA-03     | 02    |



#### 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 6000mm. 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-xn-GA-00 CAN BE USED.

|      |          |                   |         |
|------|----------|-------------------|---------|
|      |          |                   |         |
| 03   | 08/12/23 | LOGO UPDATED      | H.B     |
| 02   | 05/07/23 | DETAILS UPDATED   | H.B     |
| 01   | 10/02/23 | SMP DETAIL UPDATE | H.B     |
| 00   | 30/08/22 | DRAWING CREATED   | H.B     |
| REVn | DATE     | DETAILS           | INITIAL |

## MEGARAIL xn N2W4

MEGARAIL xn VEHICLE RESTRAINT  
SYSTEM  
DEVIATION SETTING OUT  
ARRANGEMENT



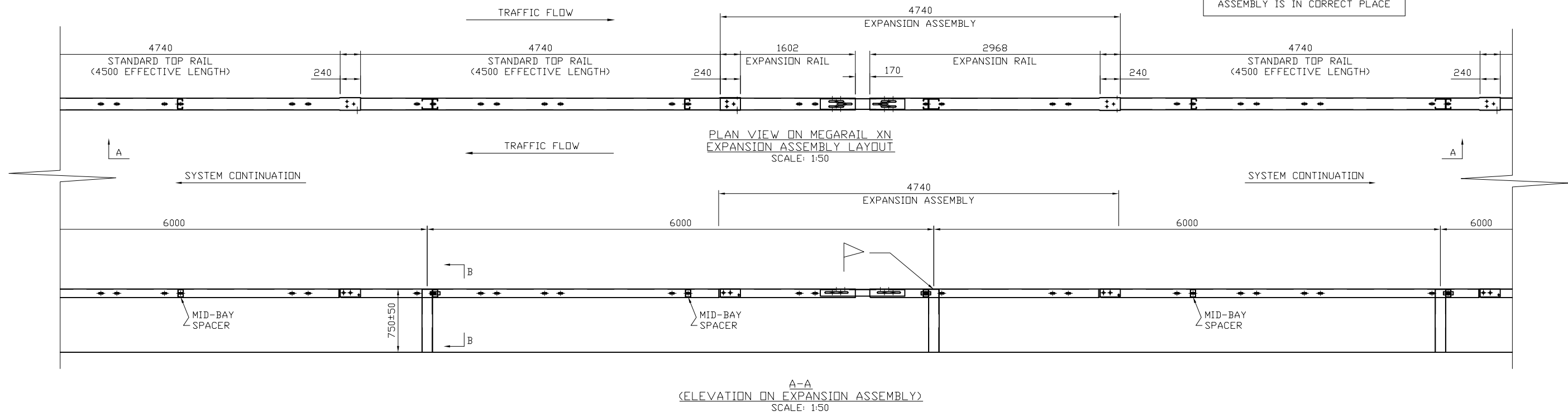
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|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-xn-GA-40     | 03    |

INSTALLATION TEAM TO CHECK EXPANSION ASSEMBLY  
FASTENERS ARE SET TO A TORQUE OF 15Nm, OUTSIDE  
LOCKING NUT TIGHTENED TO 70Nm

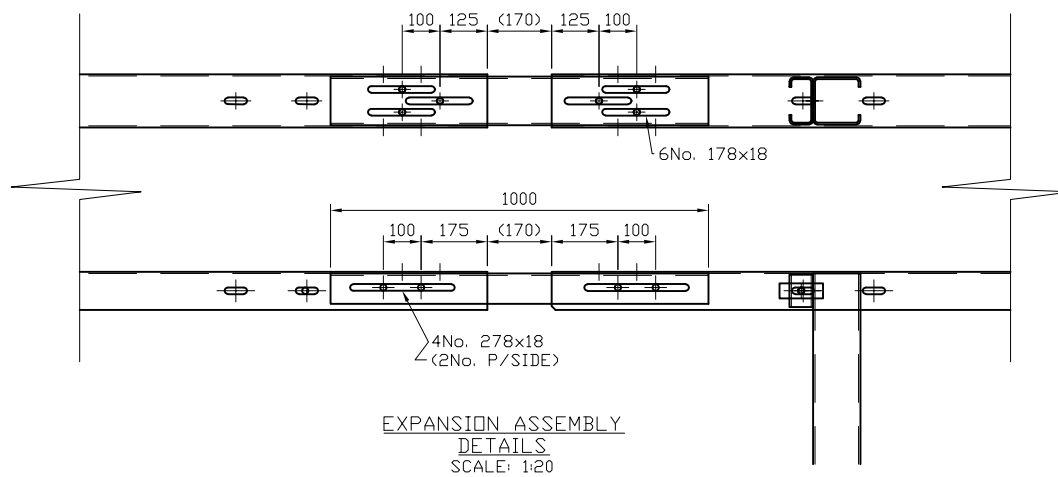
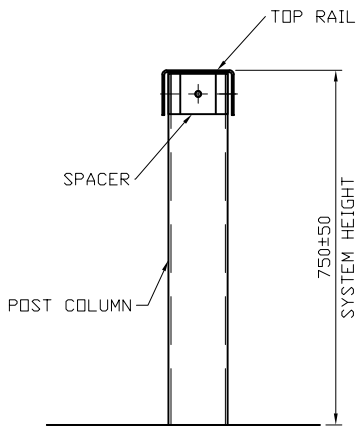
EXPANSION ASSEMBLY TO BE INSTALLED EVERY 90M.  
FIRST EXPANSION ASSEMBLY TO BE INSTALLED 45M  
FROM ADJOINING SYSTEM OR TERMINAL

SPECIAL LENGTH TOP RAIL MAY BE  
REQUIRED TO ENSURE EXPANSION  
ASSEMBLY IS IN CORRECT PLACE



### GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. FOR GENERAL DETAILS REGARDING MEGARAIL XN, SEE SYSTEM MANUAL DRAWINGS
3. FOR MINIMUM LENGTH OF FULL HEIGHT VRS, REFER TO SAFEROAD MEGARAIL MANUAL
4. SPECIAL LENGTH TOP RAIL MAY BE REQUIRED TO ENSURE EXPANSION ASSEMBLY IS INSTALLED IN THE CORRECT PLACE.
5. EXPANSION ASSEMBLY TO BE INSTALLED EVERY 90M, FIRST EXPANSION ASSEMBLY 45M FROM ADJOINING SYSTEM OR TERMINAL
6. POST ORIENTATION REVERSED ON EVERY OTHER POST



## MEGARAIL XN N2W4

GENERAL ARRANGEMENT DETAILS  
FOR EXPANSION ASSEMBLY



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EXPANSION ASSEMBLY MUST FALL ON 1<sup>NO</sup>. POST  
POSITION

|      |          |                        |         |
|------|----------|------------------------|---------|
| 03   | 05/08/26 | EXPANSION NOTE ADDED   | H.B     |
| 02   | 16/04/25 | EXPANSION NOTE UPDATED | H.B     |
| 01   | 17/11/23 | LOGO UPDATED           | H.B     |
| 00   | 22/03/23 | DRAWING CREATED        | H.B     |
| REVn | DATE     | DETAILS                | INITIAL |

|                 |       |
|-----------------|-------|
| DRAWING NUMBER: | REVn: |
| MR-XN-GA-41     | 03    |