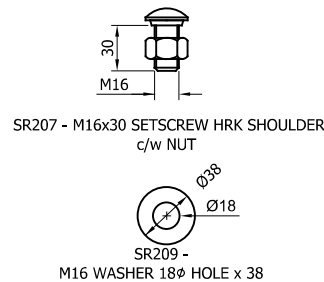
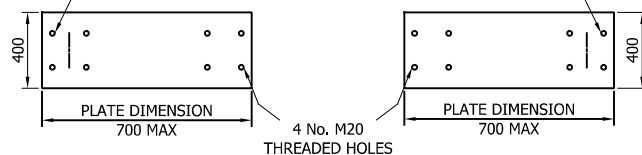


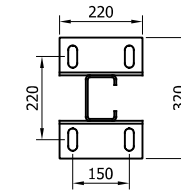
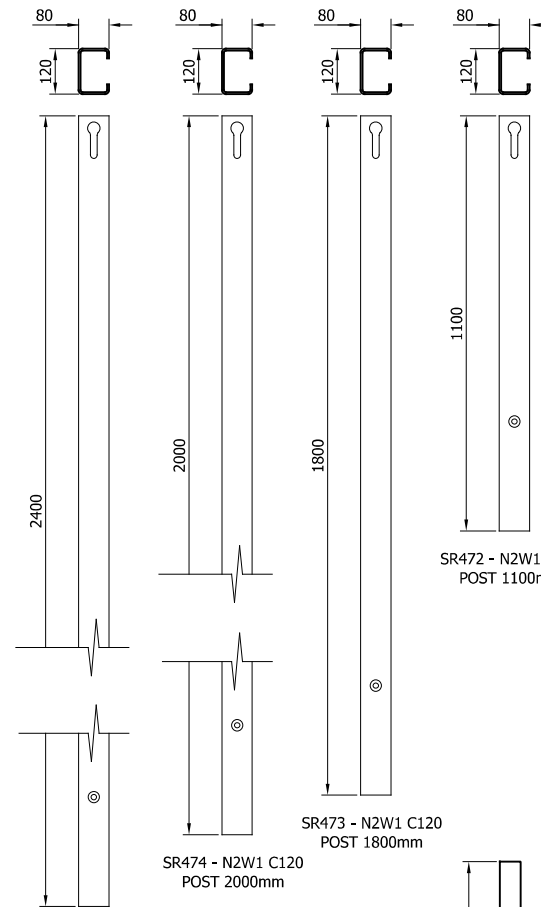
SR201 - BOLT 8.8 M16x45 c/w NUT, WASHER AND WASHER PLATE (DO NOT OVERTIGHTEN 70 TO 140 Nm)



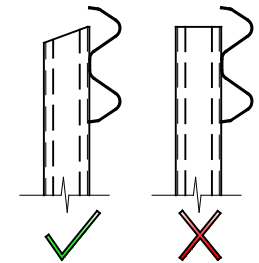
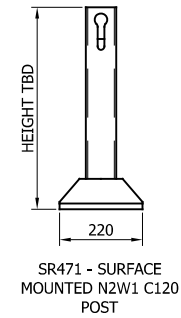
CAN BE FIXED WITH CAST IN ANCHORS, DRILL AND FIX ANCHORS OR PUSHED IN ANCHORS AT 180x180 CENTERS



BASEPLATE DRILL & TAPPED FOR LIFTING EYE



SYSTEM POST IDENTIFICATION



07	21/12/23	PART NUMBERS UPDATED	H.B
06	19/12/23	DETAILS UPDATED	H.B
05	17/07/23	LAP BOLT CHANGE	H.B
04	14/07/23	LAP BOLT DETAILS REVISED	H.B
03	19/06/23	SOCKET SIZES UPDATED	H.B
02	09/06/23	SMP DETAIL UPDATED	H.B
01	19/05/23	COMPONENT DETAILS UPDATED	H.B
00	30/08/22	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

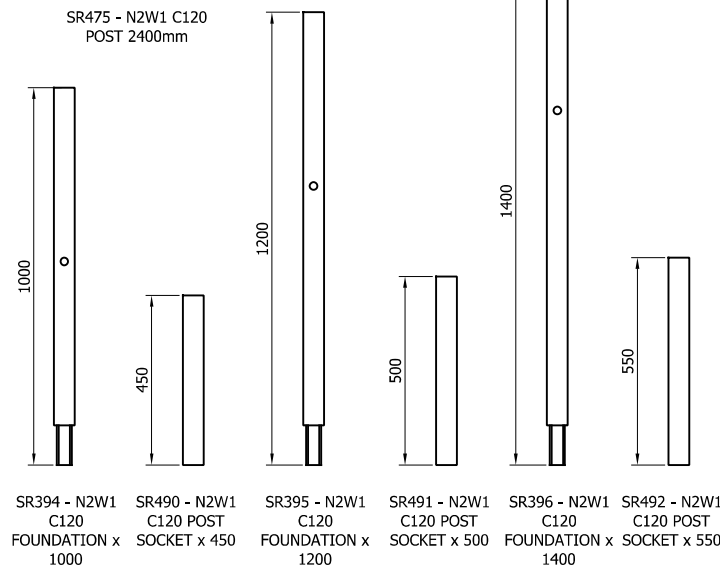
MEGARAIL EP-C120 N2/W1

N2.W1 VEHICLE RESTRAINT SYSTEM
COMPONENTS SCHEMATIC

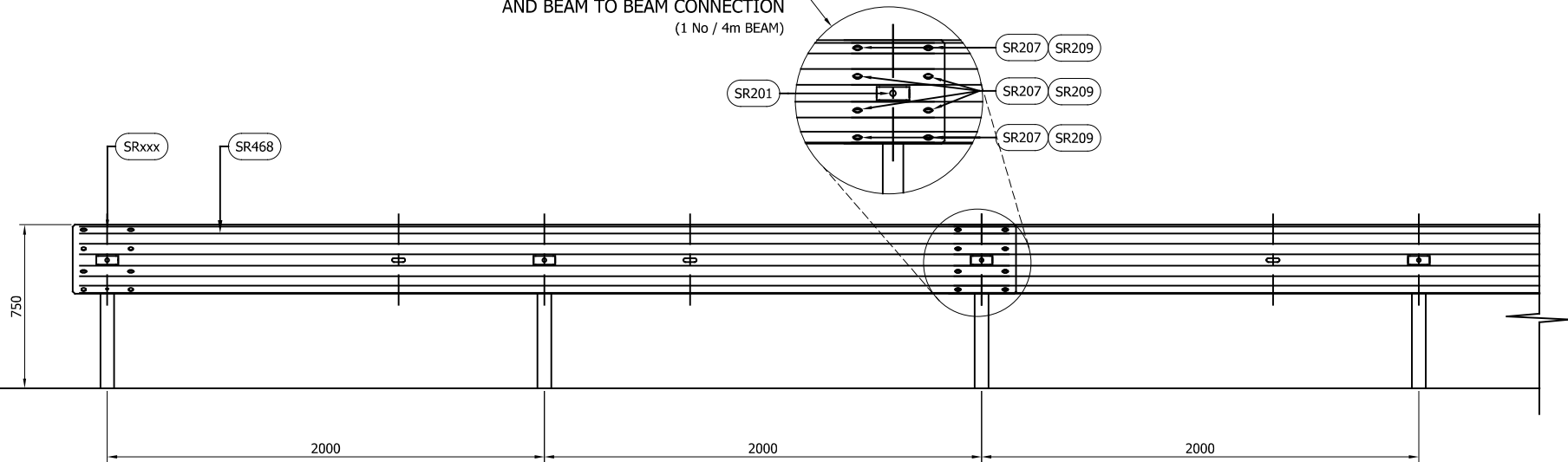


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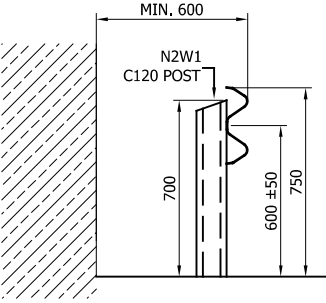
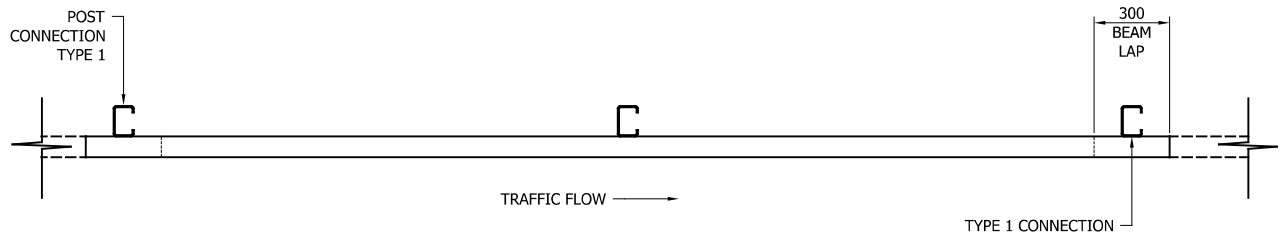
DRAWING NUMBER:	REVn:
MR-C120N2W1-GA-00	07



BEAM TO POST CONNECTION TYPE 1
AND BEAM TO BEAM CONNECTION
(1 No / 4m BEAM)



- 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. FOR DEVIATIONS IN SYSTEM POST PITCH REFER TO DRAWING MR-C120N2W1-GA-40
 - 4. WHEN TYING INTO ADJACENT VRS ONLY ONE WORKING WIDTH DIFFERENCE IS PERMITTED.
 - 5. WHERE A KERB IS PRESENT THE MAXIMUM KERB HEIGHT IS 100mm.
 - 6. FOR MINIMUM LENGTH OF FULL HEIGHT VRS REFER TO SAFEROAD MEGARAIL MANUAL.
 - 7. EXPANSION BEAMS TO BE USED WHEN THE SYSTEM PASSES OVER A MOVEMENT JOINT



POSTS SHOWN IN BELOW TABLE
ARE FOR VERGE INSTALLATIONS ONLY.
CENTRAL RESERVE POST VARIANTS
TO BE USED WHEN REQUIRED

SYSTEM COMPONENT SCHEDULE - QUANTITIES / 4m BEAM		
SAFEROAD UK PART NUMBER	DESCRIPTION	QUANTITY
SR468	BEAM "A" PROFILE 3mm	1
SEE TABLE B	N2W1 C120	2
FOR SCHEDULE OF BOLTED CONNECTIONS REFER TO DRAWING NUMBER MR-C120N2W1-GA-02		

TABLE 'B' - SCHEDULE OF POST REFERENCE NUMBERS AND LENGTHS	
SAFEROAD UK PART NUMBER	POST LENGTH
SR475	2400
SR474	2000
SR473	1800
SR472	1100

REVn	DATE	DETAILS	INITIAL
03	21/12/23	PART NUMBERS UPDATED	H.B
02	17/07/23	LAP BOLT CHANGE	H.B
01	19/05/23	NOTE REMOVED	H.B
00	30/08/22	DRAWING CREATED	H.B

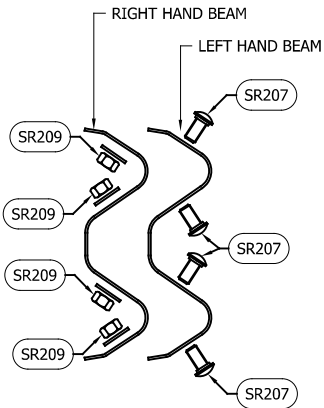
MEGARAIL
EP-C120 N2/W1

N2.W1 VEHICLE RESTRAINT SYSTEM
ASSEMBLY AND SETTING OUT
ARRANGEMENT

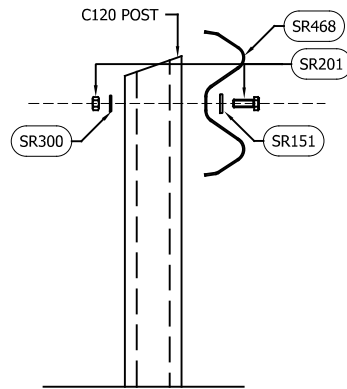


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DRAWING NUMBER:	REVn:
MR-C120N2W1-GA-01	03



BEAM TO BEAM LAP
CONNECTION ARRANGEMENT
(PER BEAM END)



BEAM TO POST
(CONNECTION TYPE 1)

BEAM TO BEAM LAP BOLTING SCHEDULE		
SAFEROAD UK PART NUMBER	DESCRIPTION	QTY'S P/BEAM
SR207	SETSCREW 8.8 HRK M16x30 c/w NUT	8 (+8)
SR209	M16 WASHER 18Ø HOLE x 38	8 (+8)

BEAM TO POST BOLTING SCHEDULE		
SAFEROAD UK PART NUMBER	DESCRIPTION	QTY'S P/POST
SR201	BOLT 8.8 M16x45 c/w NUT, WASHER 18Ø HOLE	1
SR300	M16 WASHER 18Ø HOLE	1
SR151	WASHER PLATE 115 x 40 x 5mm	1

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

GENERAL NOTES:

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

REVn	DATE	DETAILS	INITIAL
03	21/12/23	PART NUMBERS UPDATED	H.B
02	17/07/23	LAP BOLT CHANGE	H.B
01	19/05/23	FLANGE NUTS ADDED	H.B
00	30/08/22	DRAWING CREATED	H.B

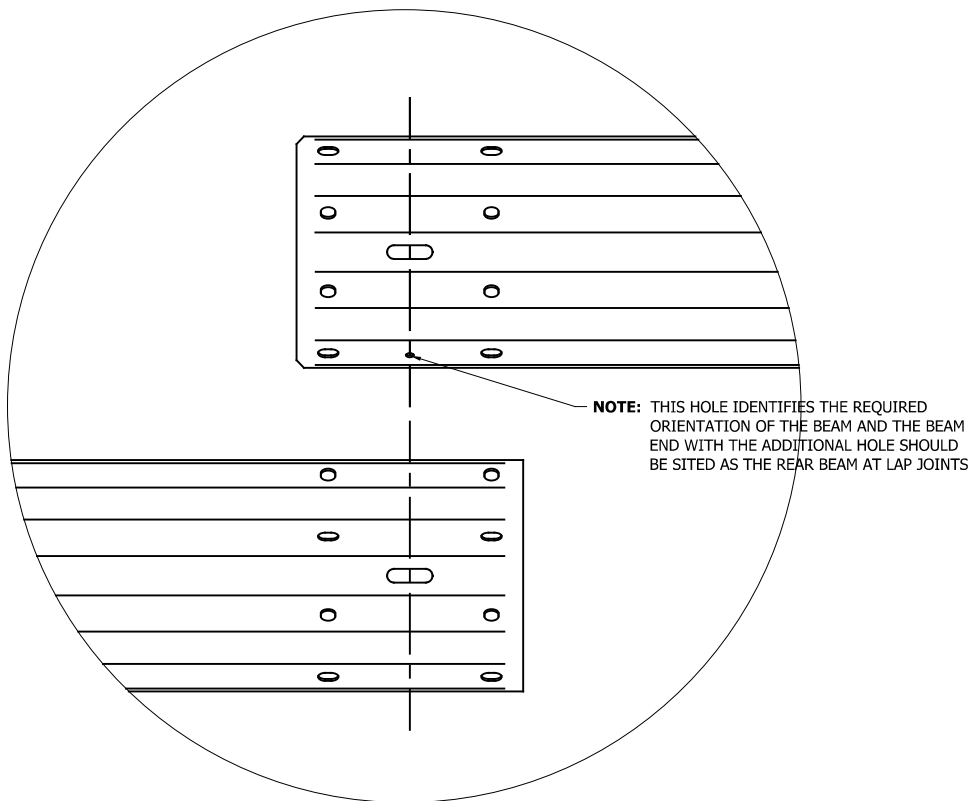
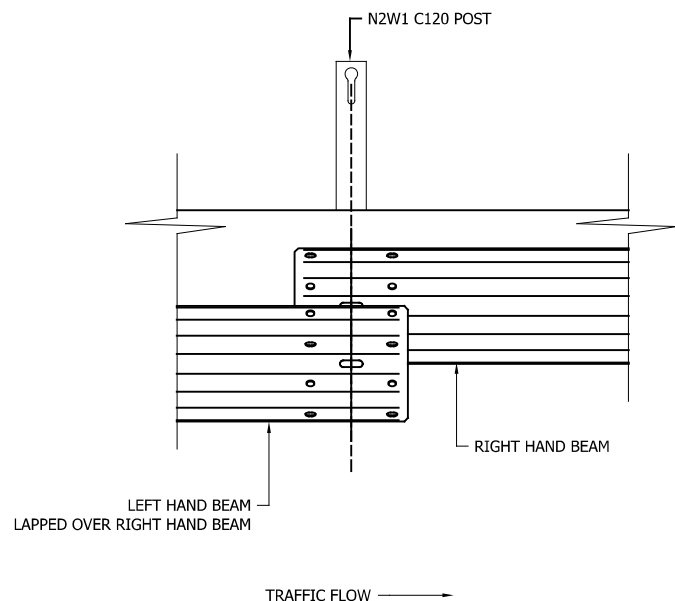
MEGARAIL EP-C120 N2/W1

N2.W1 VEHICLE RESTRAINT SYSTEM
BOLTING ARRANGEMENTS



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DRAWING NUMBER:	REVn:
MR-C120N2W1-GA-02	03



GENERAL NOTES:

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

02	21/12/23	LOGO UPDATED	H.B
01	19/05/23	NOTE REMOVED	H.B
00	30/08/22	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

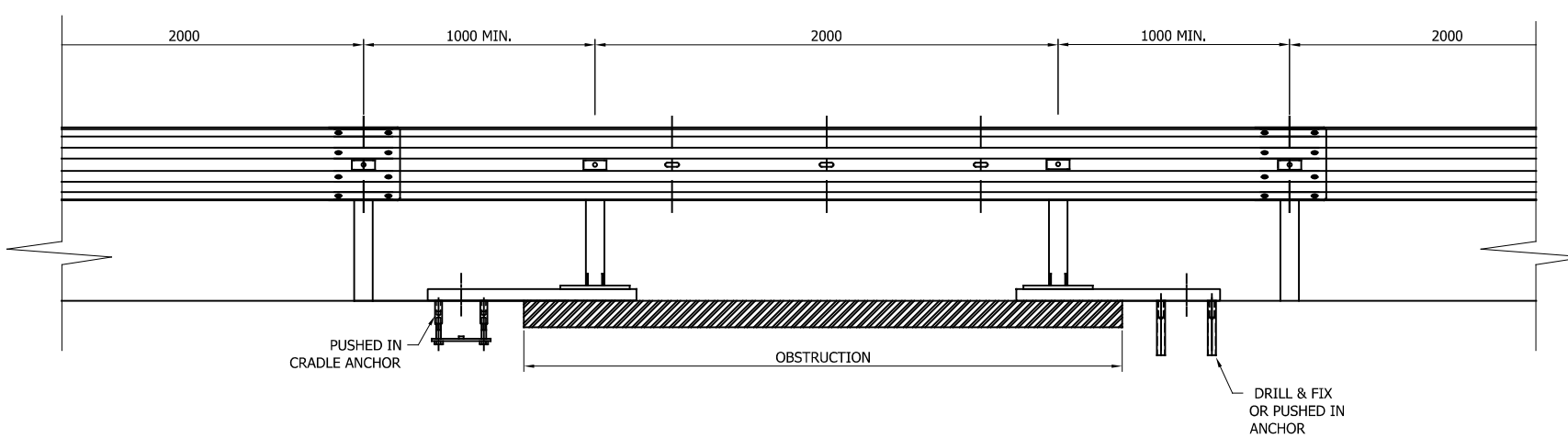
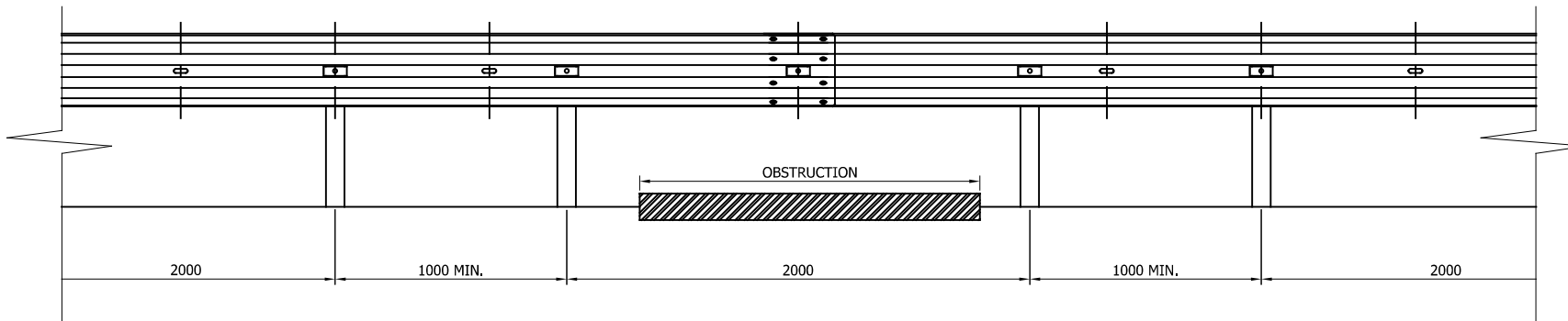
MEGARAIL EP-C120 N2/W1

N2.W1 VEHICLE RESTRAINT SYSTEM
LAPPING ARRANGEMENTS



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DRAWING NUMBER:	REVn:
MR-C120N2W1-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 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-C120N2W1-GA-00 CAN BE USED.

02	21/12/23	LOGO UPDATED	H.B
01	19/05/23	DEVIATION TOLERANCE CHANGE	H.B
00	30/08/22	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

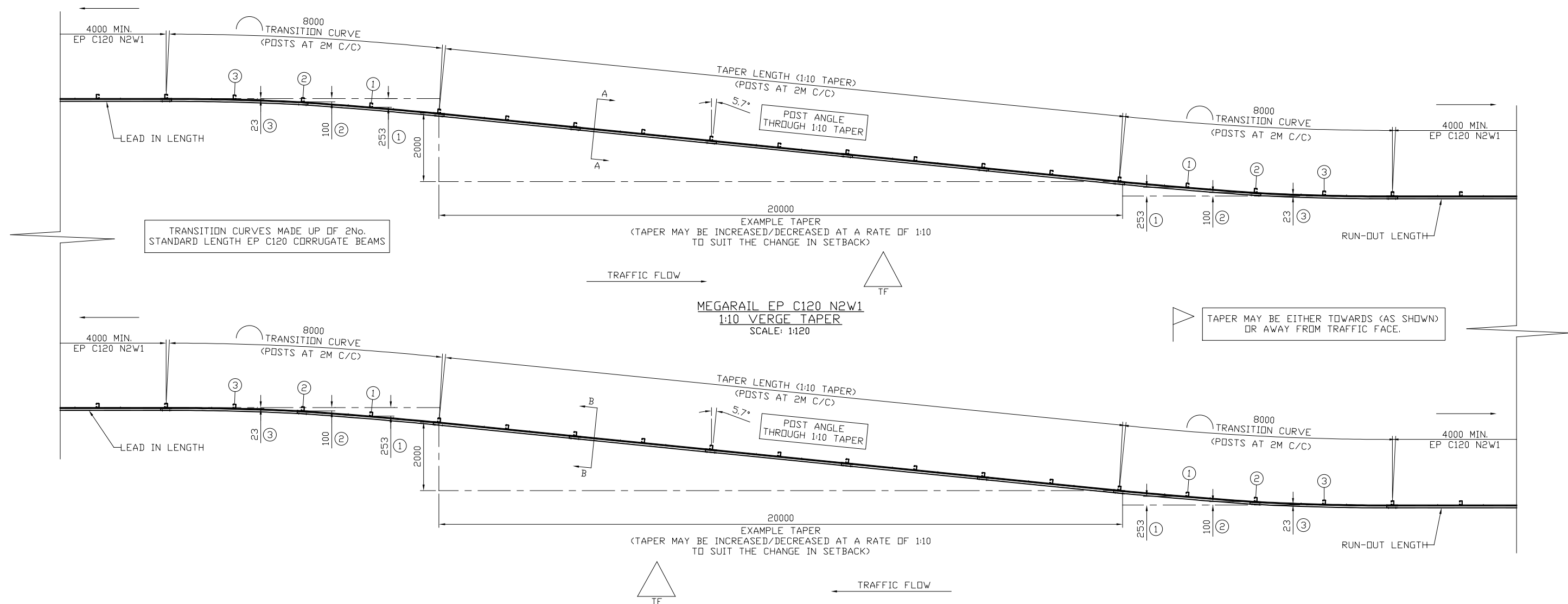
MEGARAIL EP-C120 N2/W1

N2.W1 VEHICLE RESTRAINT SYSTEM
DEVIATION SETTING OUT
ARRANGEMENT



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DRAWING NUMBER:	REVn:
MR-C120N2W1-GA-40	02



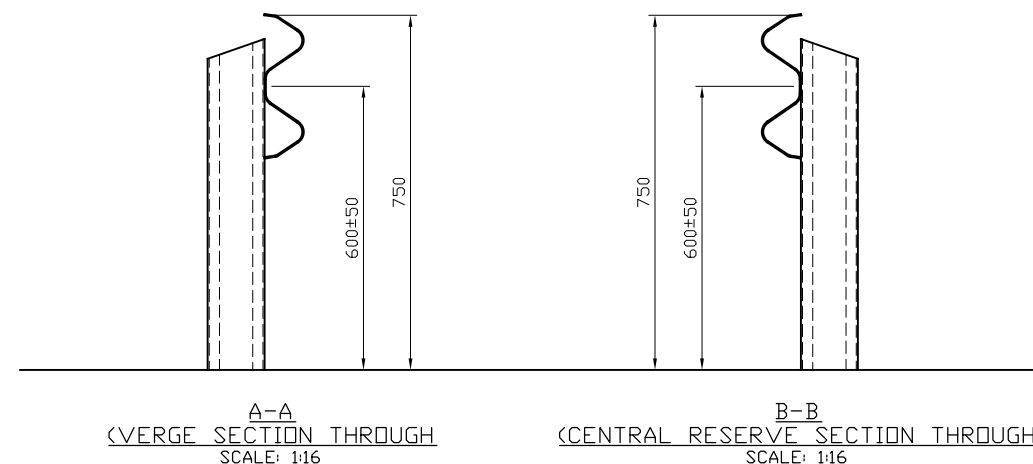
GENERAL NOTES;

- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- FOR GENERAL DETAILS REGARDING MEGARAIL EP C120 N2W1, SEE SYSTEM MANUAL DRAWINGS
- FOR MINIMUM LENGTH OF FULL HEIGHT VRS, REFER TO SAFEROAD MEGARAIL MANUAL.
- CHANGES IN HORIZONTAL ALIGNMENT BETWEEN THE LEAD IN AND RUN-OUT LENGTHS OF MEGARAIL EP C120 ARE TO TAKE PLACE UNIFORMLY OVER THE TAPER LENGTH
- WHERE CHANGES IN HORIZONTAL ALIGNMENT OCCUR (WHICH MAY ALSO BE DUE TO THE ALTERNATE METHODOLOGY FOR DETERMINING REFERENCE HEIGHT OF BARRIERS - REFER TO MR-GA-001) THIS MAY RESULT IN LOCAL ISOLATED AREAS OF FENCE THAT ARE OUTSIDE THE RANGE OF PERMISSIBLE DIMENSIONS
- WHERE THE RATE OF CHANGE IN SET BACK IS LESS THAN 1:30 (I.E 1:35), NO TAPER ARRANGEMENT IS REQUIRED.
- OFFSETS OF POSTS IN TRANSITIONAL CURVE CAN BE DECREASED IN RELATION TO THE SETBACK, BUT MUST NOT BE INCREASED

TAPER MAY BE TOWARDS (AS SHOWN) OR AWAY FROM TRAFFIC FACE. IN BOTH CIRCUMSTANCES, DETAILS SHOWN IN THE ABOVE DRAWING MUST BE IMPLEMENTED.

MEGARAIL EP C120 N2W1
1:10 CENTRAL RESERVE TAPER
SCALE: 1:120

OFFSETS OF POSTS WITHIN TRANSITIONAL CURVE CAN BE DECREASED IN RELATION TO THE SETBACK, BUT MUST NOT BE INCREASED



MEGARAIL EP-C120 N2/W1

VERGE AND CENTRAL RESERVE
TAPER GENERAL ARRANGEMENTS



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01	21/12/23	LOGO UPDATED	H.B
00	31/10/23	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

DRAWING NUMBER:	REVn:
MR-C120N2W1-GA-41	01