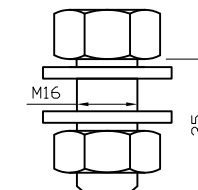
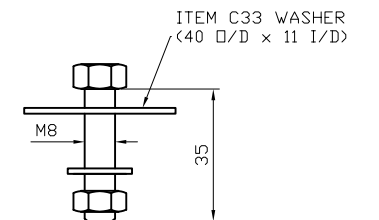


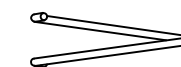
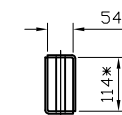
SR589 - SRC01 BEAM (2.5MM)



SR250 - F07 BOLT ASSEMBLY



NP500 - F01 BOLT ASSEMBLY



SR100 - REINFORCING RING

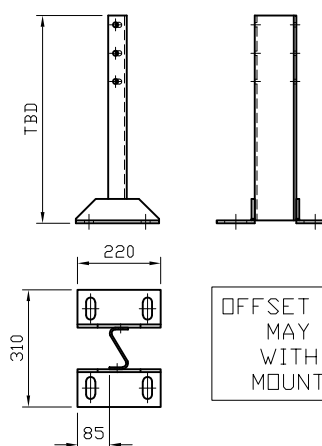
DRIVEN FOUNDATIONS	
COMPONENT NUMBER	DIM 'A'
SR624	1000
SR625	1200
SR626	1400

*** - SURFACE MOUNTED POST
VERGE OR CENTRAL RESERVE PREFIX:
SR591.V - VERGE
SR591.CR - CENTRAL RESERVE

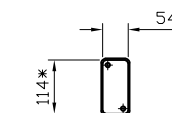
SURFACE MOUNTED POSTS
FABRICATED AS REQUIRED.
HEIGHT TO BE DETERMINED

DRIVEN FOUNDATION
(SEE TABLE)

* - INTERNAL
DIMENSION

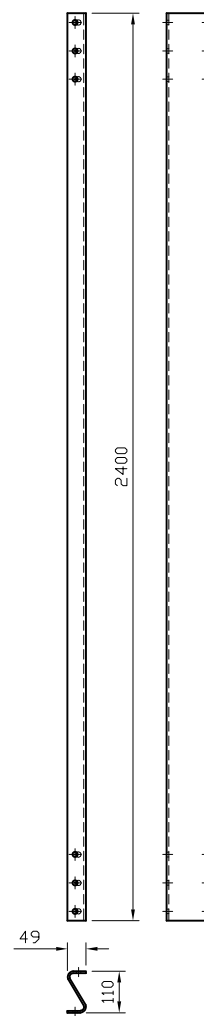


OFFSET BASEPLATES
MAY BE USED
WITH SURFACE
MOUNTED POSTS

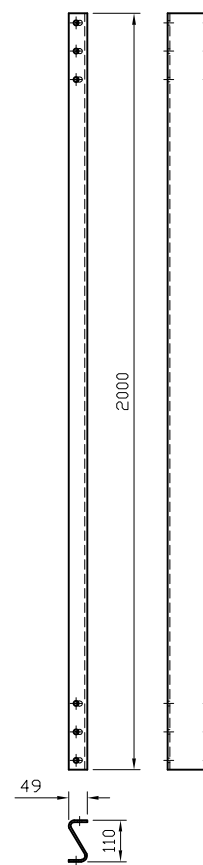


POST SOCKET
(SEE TABLE)

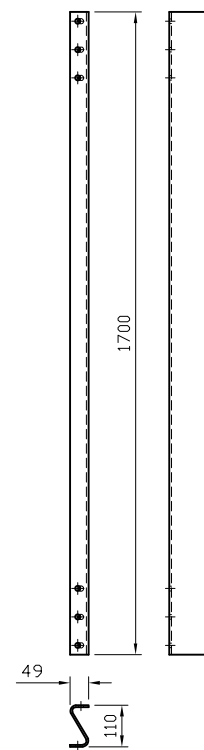
COMPONENT NUMBER	DIM 'A'
NP538	360
NP539	380
NP540	400
NP541	420
NP542	450
NP543	470
NP544	500
NP545	520
NP546	550
NP547	570
NP548	600
NP549	625



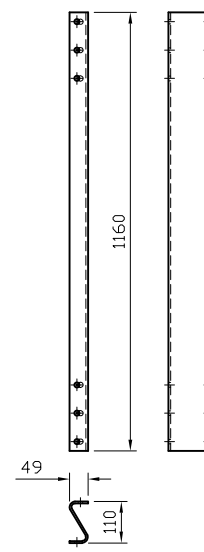
SR620 - SRA18
EXTRA LONG DRIVEN POST



SR619 - SRA18
LONG DRIVEN POST



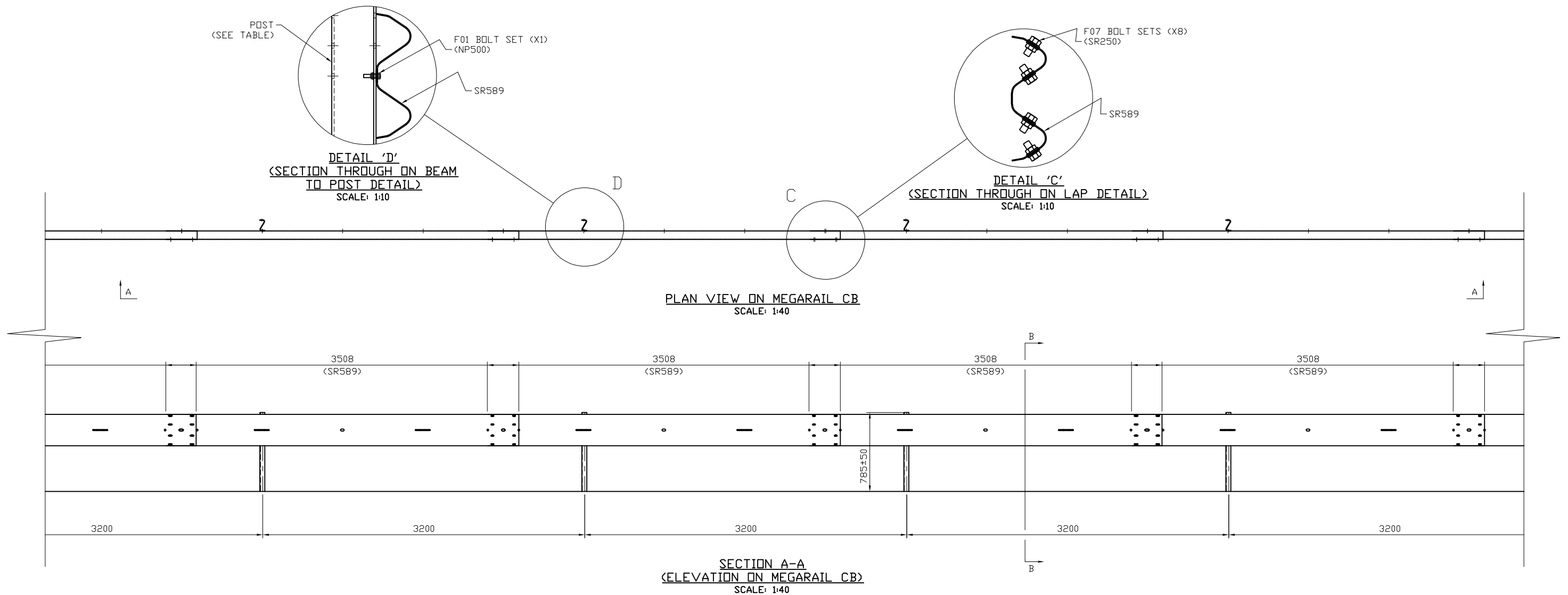
SR586 - SRA18
DRIVEN POST



SR590 - SRA18
SOCKETED POST

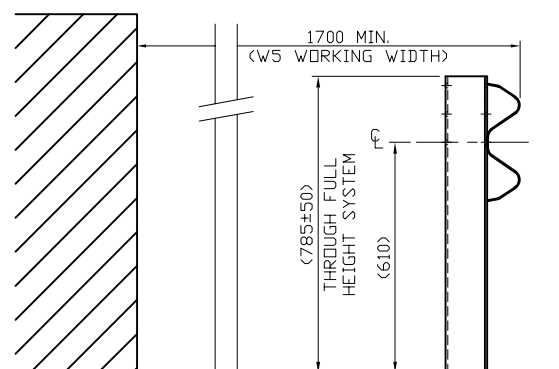
*** SR591 - SRA18
SURFACE MOUNTED POST

01	17/03/25	DRAWING UPDATED	H.B
00	06/12/24	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL
MEGARAIL CB (CORRUGATE BEAM)			
COMPONENTS SCHEMATIC			
			
CONCORD HOUSE, BESSEMER WAY, SCUNTHORPE, NORTH LINCOLNSHIRE, DN15 8XE T: 01724 289119 FOR TECHNICAL ASSISTANCE CONTACT john.cudlipp@saferoad.co.uk			
DRAWING NUMBER:			REVn
MRCB-GA-00			01

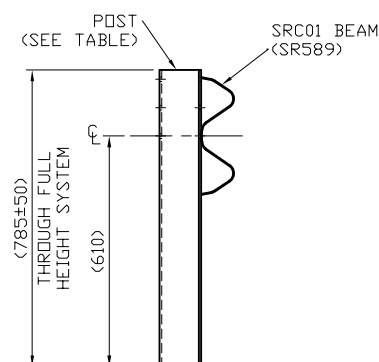


SYSTEM COMPONENT SCHEDULE (P/3.508M BEAM)		
SAFEROAD PART NUMBER	DESCRIPTION	QTY
SR589	SRC01 BEAM 3508x2.5mm THICK	1
SEE TABLE	SRA18 POST 5mm THICK	1

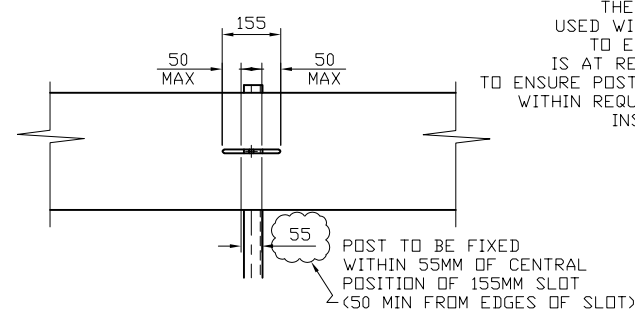
POST TYPES	
SAFEROAD PART NUMBER	POST DESCRIPTION
SR591	SURFACE MOUNTED POST
SR590	SOCKETED POST 1160MM LONG
SR586	DRIVEN POST 1700MM LONG
SR619	LONG DRIVEN POST 2000MM LONG
SR620	EXTRA LONG DRIVEN POST 2400MM LONG



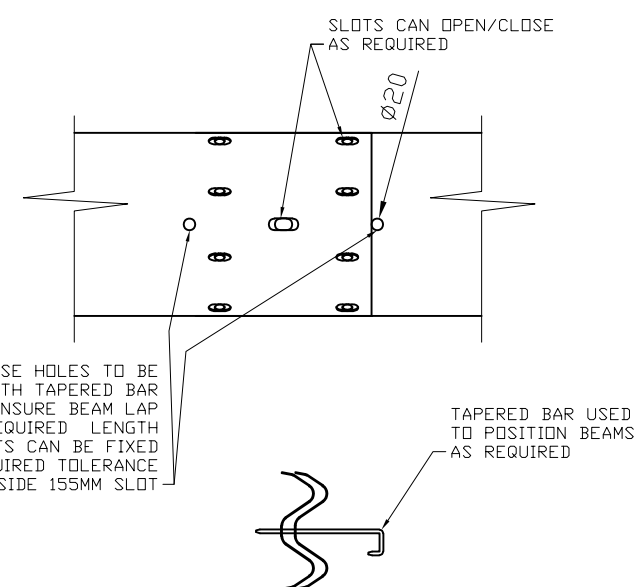
WORKING WIDTH SCHEMATIC
SCALE: 1:20



SECTION B-B
(SECTION THROUGH ON SYSTEM)
SCALE: 1:20



POST FIXING DETAILS
SCALE: 1:20

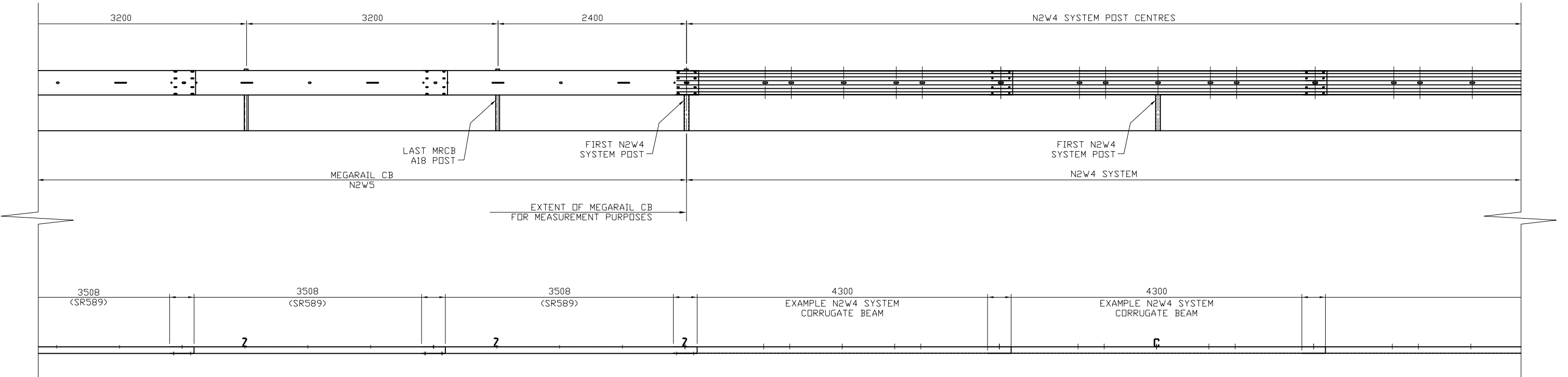


BEAM LAP POSITIONING DETAILS
SCALE: 1:20

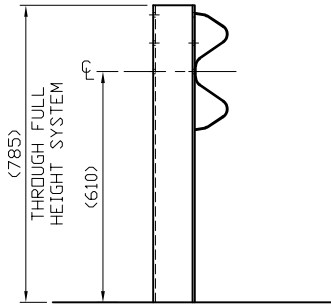
00	06/12/24	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL
MEGARAIL CB (CORRUGATE BEAM)			
GENERAL ARRANGEMENT			
SAFEROAD			
CONCORD HOUSE, BESSEMER WAY, SCUNTHORPE, NORTH LINCOLNSHIRE, DN15 8XE T: 01724 289119 FOR TECHNICAL ASSISTANCE CONTACT john.cudlipp@saferoad.co.uk			
DRAWING NUMBER:			REVn
MRCB-GA-01			00

SEE MRCB-GA-01 FOR MEGARAIL CB
GENERAL ARRANGEMENT & INSTALLATION DETAILS

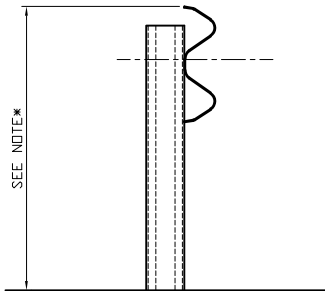
SEE MEGARAIL MANUAL FOR
AVAILABLE N2W4 SYSTEMS



USE HEIGHT TOLERANCE IN N2W4
SYSTEM TO MAINTAIN A FLOWING ALIGNMENT



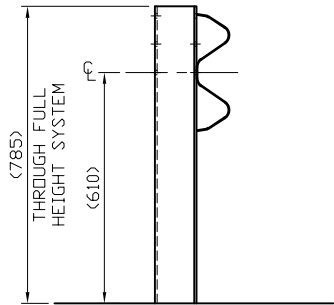
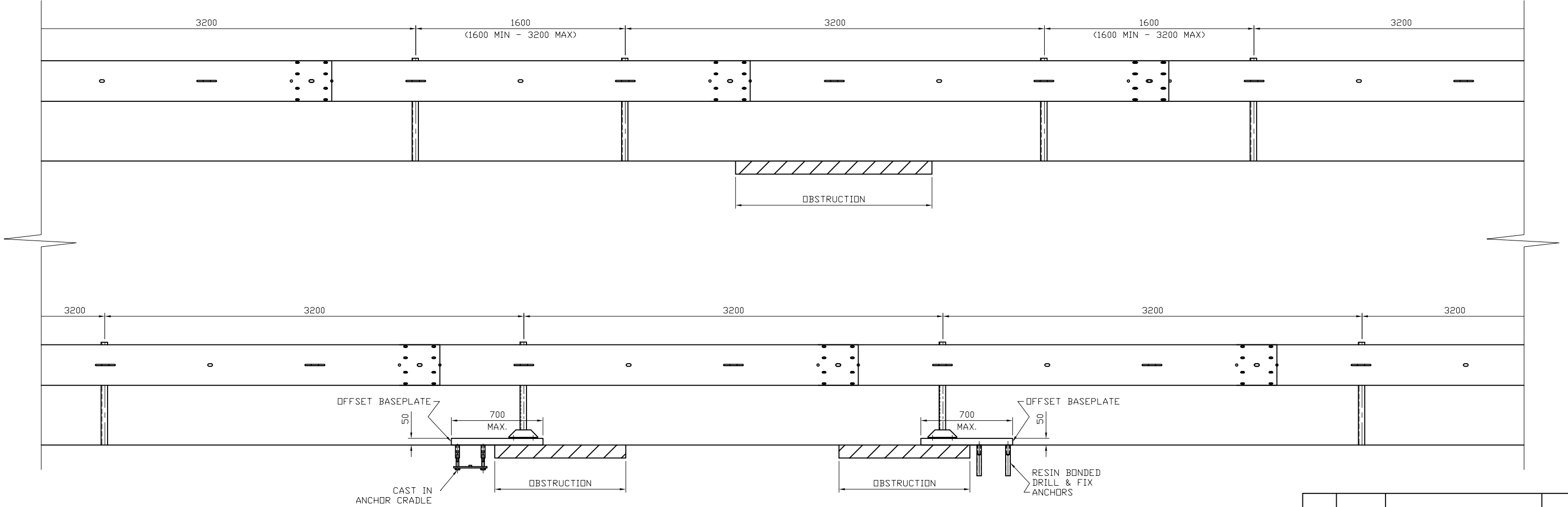
SECTION THROUGH
ON MEGARAIL CB
SCALE: 1:20



SECTION THROUGH
ON N2W4 SYSTEM
SCALE: 1:20

SEE epN2W4-GA-41 FOR
OPPOSITE HAND SYSTEM PROGRESSION

00	17/03/25	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL
MEGARAIL CB (CORRUGATE BEAM)			
SYSTEM PROGRESSION DETAILS			
SAFEROAD			
CONCORD HOUSE, BESSEMER WAY, SCUNTHORPE, NORTH LINCOLNSHIRE, DN15 8XE T: 01724 289119 FOR TECHNICAL ASSISTANCE CONTACT john.cudlipp@saferoad.co.uk			
DRAWING NUMBER:			REVn:
MRCB-GA-20			00



SECTION THROUGH
ON MEGARAIL CB
SCALE: 1:20

00	17/03/25	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL

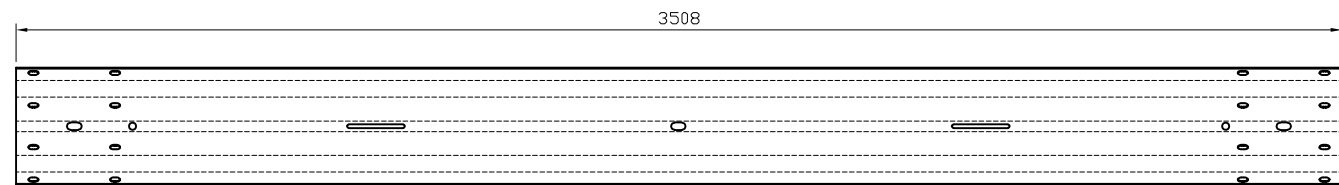
MEGARAIL CB (CORRUGATE BEAM)

PERMISSIBLE DEVIATION DETAILS

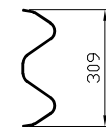


CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
T: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
john.cudlipp@saferoad.co.uk

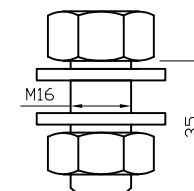
DRAWING NUMBER:	REVn:
MRCB-GA-40	00



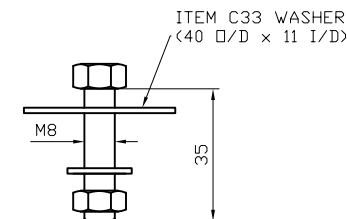
SR589 - SRC01 BEAM (2.5MM)
OR
NP645 - NPSBS C01 STANDARD TCB BEAM (3MM)



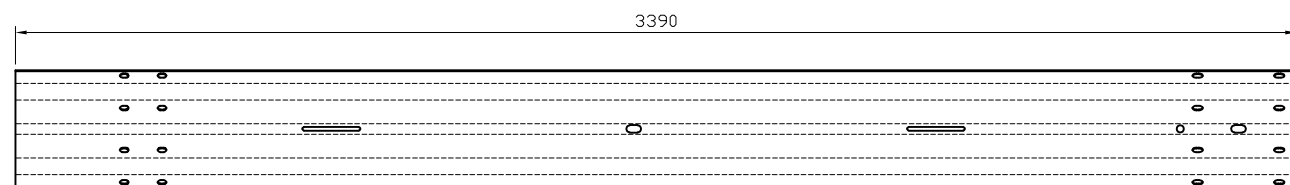
NP503 - F03 BOLT ASSEMBLY



SR250 - F07 BOLT ASSEMBLY

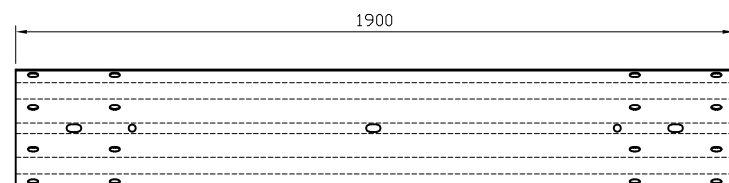


NP500 - F01 BOLT ASSEMBLY



SR603 - SRC03 ADJUSTER BEAM (2.5MM)
OR
NP647 - NPSBS TCB C03 ADJUSTER BEAM (3MM)

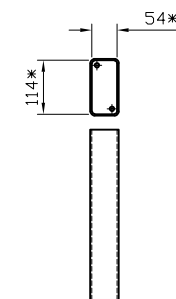
BEAM THICKNESSES:
MEGARAIL CB - 2.5MM
NPSBS TCB - 3MM



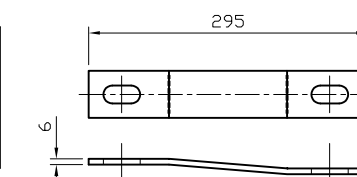
SR604 - SRC35 BEAM (2.5MM)
OR
NP649 - NPSBS TCB C35 ADJUSTER BEAM (3MM)

EXISTING SOCKETS/FOUNDATIONS
MAY BE RE-USED IF UN-DAMAGED.
IF NEW SOCKETS/FOUNDATIONS
ARE REQUIRED, SEE GA-00
FOR COMPONENT DETAILS

* - INTERNAL
DIMENSION



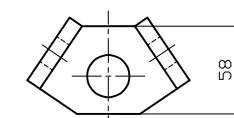
POST SOCKET
(SEE TABLE IN GA-00)



NP652 - C13 CONNECTING STRAP



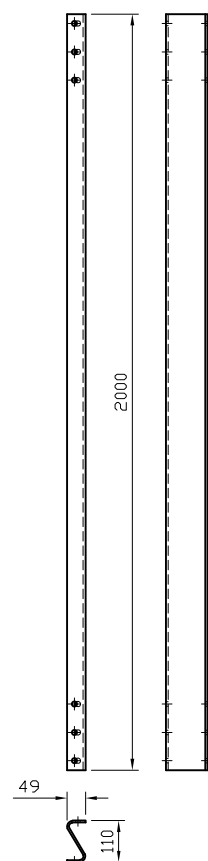
SR100 - REINFORCING RING



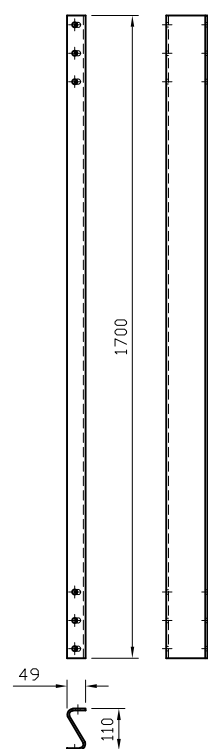
NP651 - C12 ADJUSTER BRACKET

ITEMS C12, C13, F13 & F14 TO BE
RE-USED WHERE POSSIBLE
(CAN BE INSTALLED ON MEGARAIL CB
& NPSBS TCB)

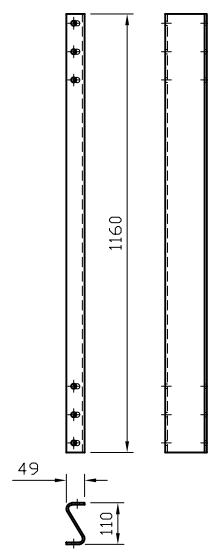
NPSBS TENSIONED CORRUGATE BEAM COMPONENTS MAY BE
REPLACED BY ALL COMPONENTS LISTED ON GA-41 & GA-00.
THE ONLY RESTRICTION TO THIS IS THAT POSTS & BEAMS
MUST BE REPLACED IN CONJUNCTION E.G AN MRCB BEAM
MUST BE INSTALLED WITH SRA18 POSTS/POST VARIANTS.
ALL REPAIRS & RENEWALS SHALL BE CARRIED OUT
IN ACCORDANCE WITH BS:7669-3



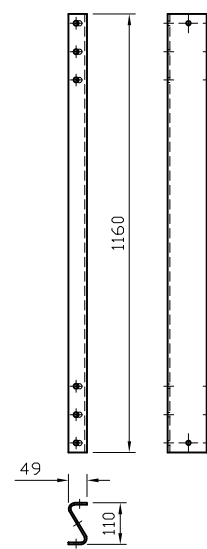
SR619 - SRA18 LONG DRIVEN POST
OR
NP533/NP534 - NPSBS A55/A56 POST
(MEGARAIL CB POST SHOWN)



SR586 - SRA18 DRIVEN POST
OR
NP531/NP532 - NPSBS A19/A30 POST
(MEGARAIL CB POST SHOWN)

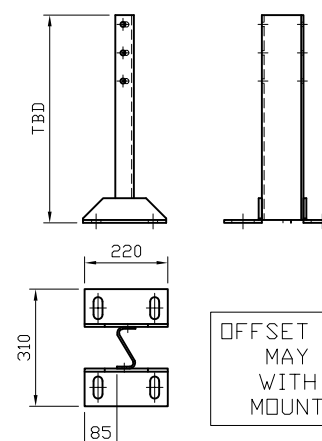


SR590 - SRA18 SOCKETED POST
OR
NP530 - NPSBS A18 POST
(MEGARAIL CB POST SHOWN)



SR584 - SRA18 ANGLED BEAM POST
OR
NP650 - NPSBS C06 POST
(MEGARAIL CB POST SHOWN)

SURFACE MOUNTED POSTS
FABRICATED AS REQUIRED.
HEIGHT TO BE DETERMINED



OFFSET BASEPLATES
MAY BE USED
WITH SURFACE
MOUNTED POSTS

SR591V/SR591CR - SRA18 SURFACE MOUNTED
OR
NP535/NP536 - NPSBS A37/A54 POST
(MEGARAIL CB POST SHOWN)

REVn	DATE	DETAILS	INITIAL
01	20/08/25	NOTE UPDATED	H.B
00	23/03/25	DRAWING CREATED	H.B

MEGARAIL CB/NPSBS TCB

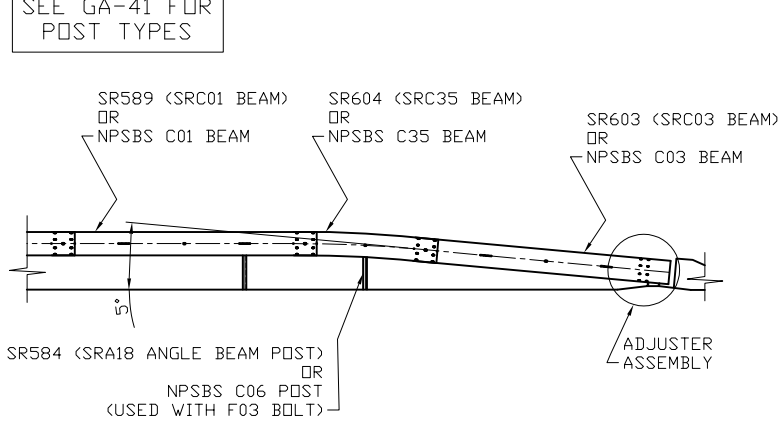
MAINTENANCE & REPAIR COMPONENTS
SCHEMATIC



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

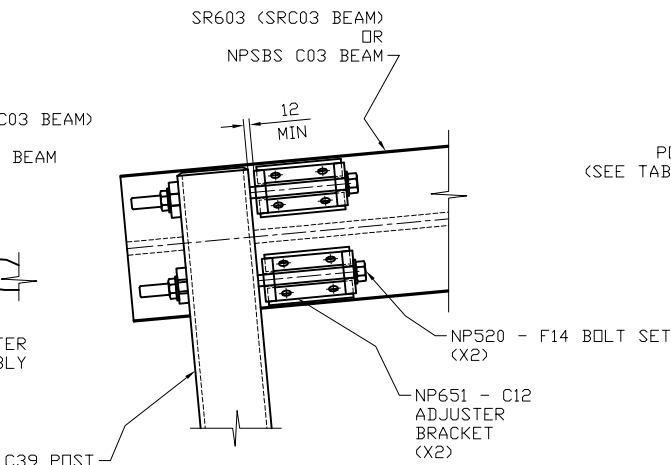
DRAWING NUMBER:	REVn:
MRCB-GA-41	01

SEE GA-41 FOR
POST TYPES

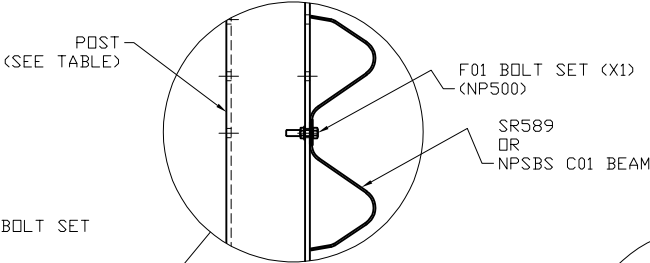


ELEVATION ON GA12 TERMINAL
SCHEMATIC
SCALE: 1:40

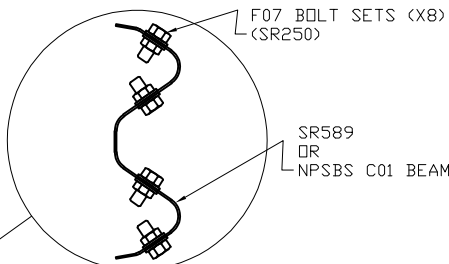
TERMINAL SCHEMATIC APPLICABLE TO
BOTH APPROACH & DEPARTURE VARIANTS



VIEW ON REAR OF TERMINAL
ADJUSTER DETAILS
SCALE: 1:40

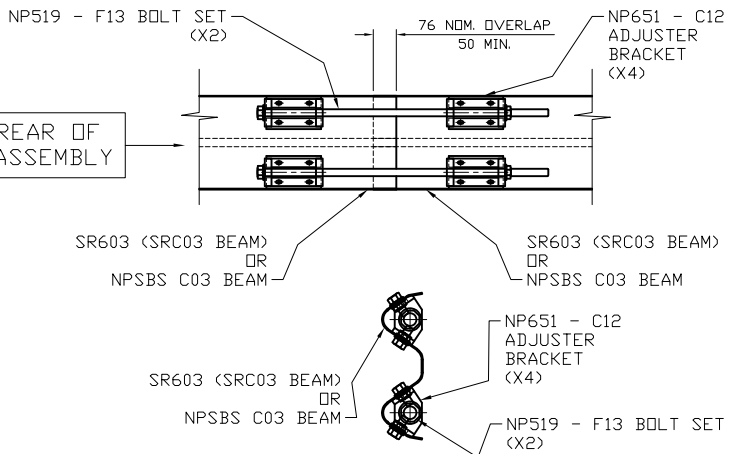


DETAIL 'D'
(SECTION THROUGH ON BEAM
TO POST DETAIL)
SCALE: 1:10



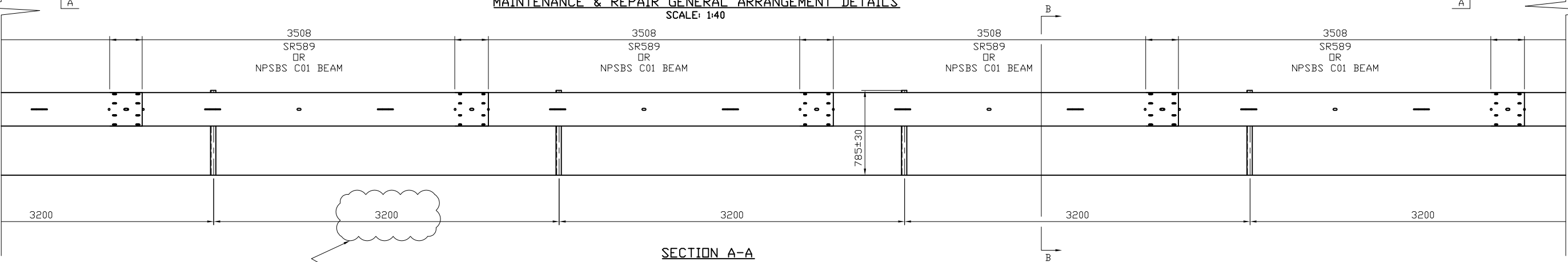
DETAIL 'C'
(SECTION THROUGH ON LAP DETAIL)
SCALE: 1:10

VIEW ON REAR OF
ADJUSTER ASSEMBLY



ADJUSTER ASSEMBLIES ARE TO BE INSTALLED
AT NO MORE THAN 70.5M INTERVALS. EACH
INSTALLATION IS TO HAVE AT LEAST 1No.
ADJUSTER ASSEMBLY. AN ADJUSTER ASSEMBLY
IS TO BE PLACED NOT MORE THAN 36M FROM
AN END POST, BRIDGE PARAPET OR
MRBB/NPSBS OBB

PLAN VIEW ON
MEGARAIL CB/NPSBS TENSIONED CORRUGATE BEAM
MAINTENANCE & REPAIR GENERAL ARRANGEMENT DETAILS
SCALE: 1:40

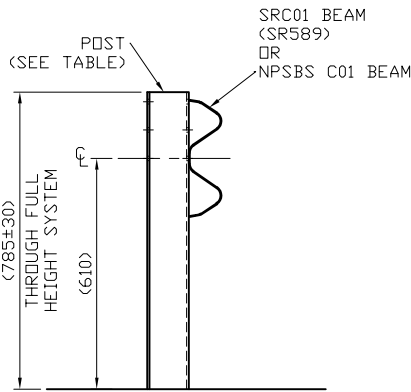


IN EXISTING NPSBS INSTALLATIONS,
POST CENTRES MAY BE 3.2M OR 1.6M

NPSBS TENSIONED CORRUGATE BEAM COMPONENTS MAY BE
REPLACED BY ALL COMPONENTS LISTED ON GA-41 & GA-00.
THE ONLY RESTRICTION TO THIS IS THAT POSTS & BEAMS
MUST BE REPLACED IN CONJUNCTION E.G AN MRCB BEAM
MUST BE INSTALLED WITH SRA18 POSTS/POST VARIANTS.
ALL REPAIRS & RENEWALS SHALL BE CARRIED OUT
IN ACCORDANCE WITH BS:7669-3

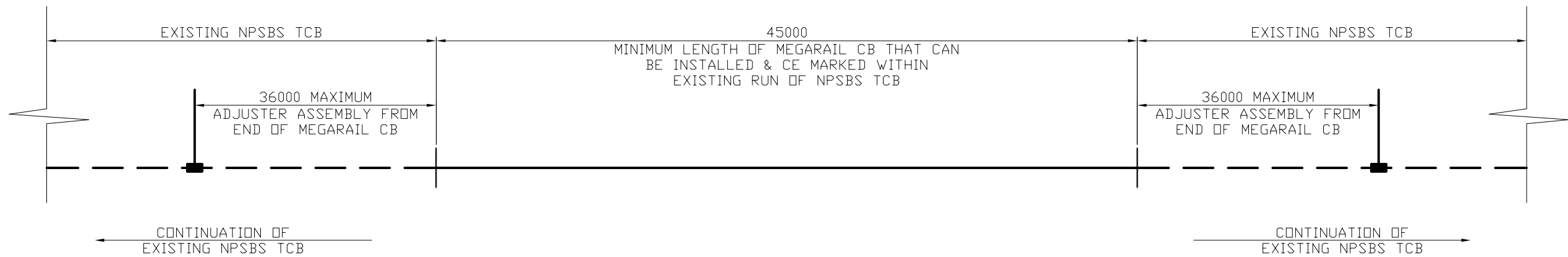
MEGARAIL CB & NPSBS TENSIONED CORRUGATE BEAM POST TYPES		
POST LENGTH	MRCB ITEM REFERENCE	NPSBS TCB ITEM REFERENCE
SURFACE MOUNTED	SRA18 SMP	A37/A54
1160MM	SRA18 ANGLED BEAM POST	C06
1160MM	SRA18 SOCKETED	A18
1700MM	SRA18 DRIVEN	A19/A30
2000MM (MRCB) - 1900MM (NPSBS TCB)	SRA18 LONG DRIVEN	A55/A56
2400MM	SRA18 EXTRA LONG DRIVEN	-

SYSTEM COMPONENT SCHEDULE (P/3.508M BEAM) - MRCB OR NPSBS TCB		
MRCB ITEM REFERENCE	NPSBS TCB ITEM REFERENCE	QTY
SRC01 BEAM 3508x2.5mm THICK	C01 TCB BEAM 3508x3mm THICK	1
POSTS - SEE TABLE	POSTS - SEE TABLE	2



SECTION B-B
(SECTION THROUGH ON SYSTEM)
SCALE: 1:20

01	20/08/25	NOTE UPDATED	H.B
00	23/03/25	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL
MEGARAIL CB/NPSBS TCB GENERAL ARRANGEMENT DETAILS FOR MAINTENANCE & REPAIR			
			
CONCORD HOUSE, BESSEMER WAY, SCUNTHORPE, NORTH LINCOLNSHIRE, DN15 8XE T: 01724 289119 FOR TECHNICAL ASSISTANCE CONTACT john.cudlipp@saferoad.co.uk			
DRAWING NUMBER: MRCB-GA-42			REVn: 01



- WHEN INSTALLING CE MARKED MEGARAIL CB WITHIN EXISTING NPSBS TCB, THERE MUST BE AN ADJUSTER ASSEMBLY INSTALLED NO MORE THAN 36M FROM THE END OF MEGARAIL CB WITHIN THE EXISTING NPSBS TCB.
- ALL MEGARAIL CB COMPONENTS MAY BE USED WITHIN NPSBS TCB.
- NPSBS TCB REMAINS A COMPLIANT LEGACY NPSBS SYSTEM WITH MEGARAIL CB COMPONENTS INSTALLED.
- NPSBS ADJUSTER SHOES ARE RE-USEABLE
- IF INSTALLING MEGARAIL CB AS A STAND ALONE SYSTEM & NOT IN A REPAIR & RENEWAL FUNCTION, ONLY MEGARAIL CB COMPONENTS MAY BE USED TO ENSURE COMPLIANCE WITH CE CERTIFICATION
- THE MINIMUM LENGTH OF MEGARAIL CB THAT CAN BE INSTALLED & CE MARKED WITHIN AN EXISTING NPSBS TCB FENCE IS 45M.
- THE MINIMUM LENGTH OF NEED FOR MEGARAIL CB AS A STAND ALONE CE MARKED SYSTEM IS 20M, EXCLUDING TERMINALS.
- MEGARAIL CB COMPONENTS USED WITHIN NPSBS DOUBLE SIDED TCB CANNOT BE CE MARKED, THEREFOR MUST BE INSTALLED IN ACCORDANCE WITH NPSBS.
- WHEN USING MEGARAIL CB COMPONENTS FOR REPAIR OR RENEWAL, THE INSTALLATION SHOULD COMPLY WITH SAFEROAD DRAWINGS MRCB-GA-41 TO MRCB-GA-45, NPSBS DRAWINGS AND TO BS 7669.

00	10/12/25	DRAWING CREATED	H.B
REVn	DATE	DETAILS	INITIAL
MEGARAIL CB/NPSBS TCB			
COMPLIANCE REQUIREMENTS WITHIN REPAIRS & RENEWAL			
SAFEROAD			
CONCORD HOUSE, BESSEMER WAY, SCUNTHORPE, NORTH LINCOLNSHIRE, DN15 8XE T: 01724 289119 FOR TECHNICAL ASSISTANCE CONTACT john.cudlipp@saferoad.co.uk			
DRAWING NUMBER:			REVn:
MRCB-GA-43			00