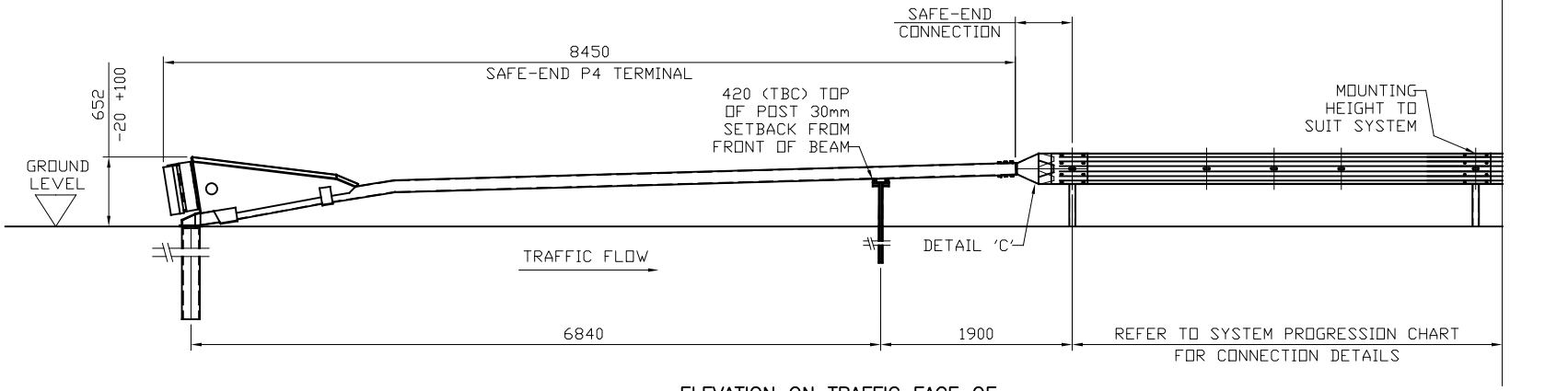
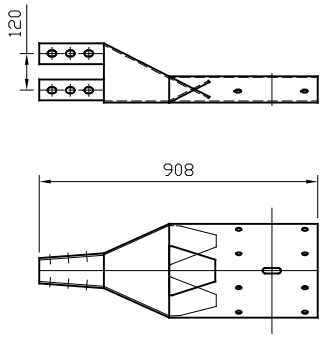


PLAN VIEW
SCALE: 1:70



ELEVATION ON TRAFFIC FACE OF
CONNECTION TO MEGARAIL
SCALE: 1:70

WHERE CHEVRON DECAL AFFIXED, CHEVRONS SHOULD BE POINTED DOWNWARDS TOWARDS THE ROAD



DETAIL 'C'
(SAFE-END CONNECTOR)
SCALE: 1:25

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.
3. SEE SYSTEM PROGRESSION CHART FOR CONNECTION DETAILS.

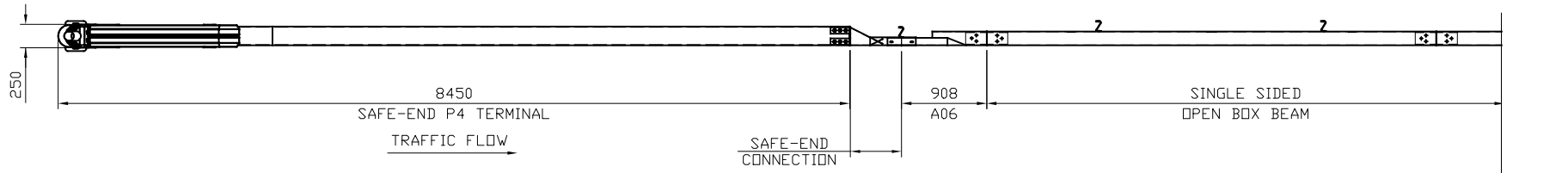
REVn	DATE	DETAILS	INITIAL
06	19.02.25	DRAWING UPDATED	H.B
05	08.12.21	NOTE ADDED TO PLAN	A.D
04	08.10.21	NOTE ADDED	A.D
03	23.07.21	DETAILS REVISED	A.D
02	09.11.20	DETAILS REVISED	M.T
01	20.04.17	REVISED TO COMMENTS	M.T
00	25.01.17	DRG. SUPERSEDES UK 19506	M.T

Safe-End P4

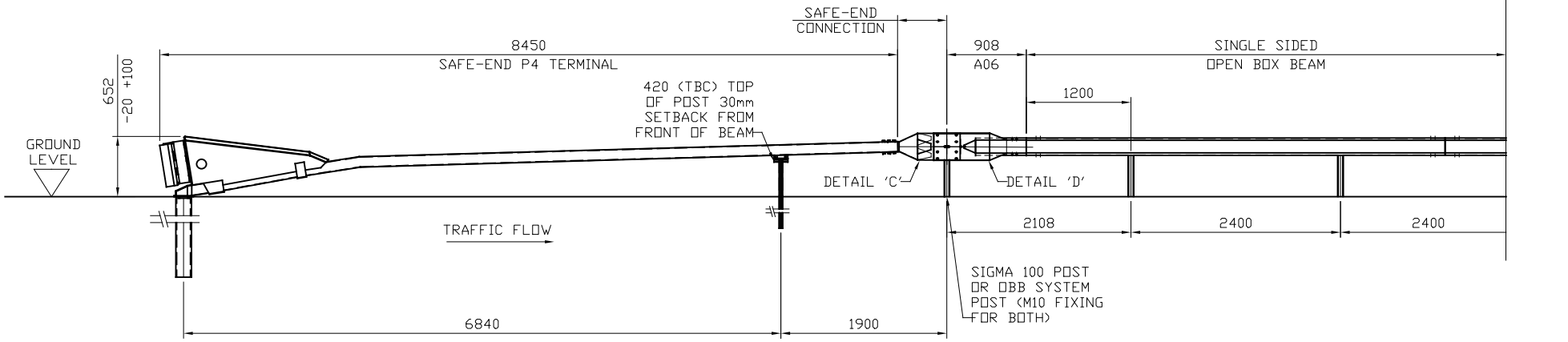
TO MEGARAIL
GENERAL ARRANGEMENT
& DETAIL

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

DRAWING NUMBER:	REVn:
P4–GA–01	06

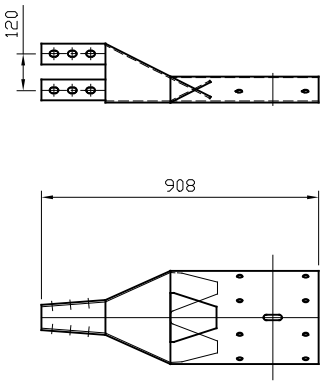


PLAN VIEW
SCALE: 1:70

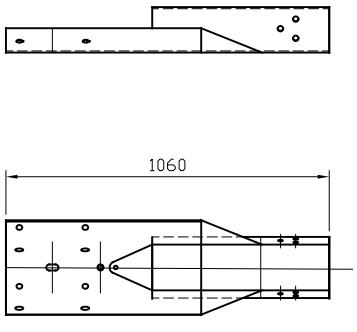


ELEVATION ON TRAFFIC FACE OF
CONNECTION TO SINGLE SIDED OBB
SCALE: 1:70

REVn	DATE	DETAILS	INITIAL
03	19.02.25	DRAWING UPDATED	H.B
02	23.07.21	DETAILS REVISED	A.D
01	09.11.20	DETAILS REVISED	M.T
00	25.01.17	DRG. SUPERSEDES UK 19507	M.T



DETAIL 'C'
(SAFE-END CONNECTOR)
SCALE: 1:25



DETAIL 'D'
(ITEM A06)
SCALE: 1:25

GENERAL NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

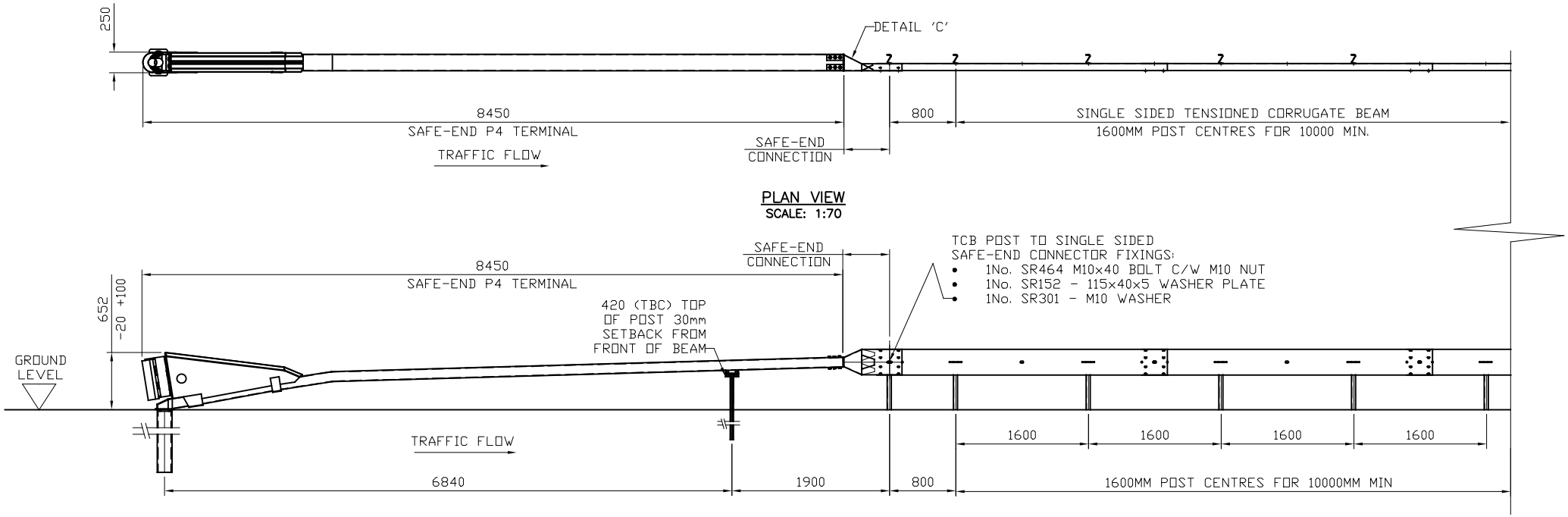
2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

Safe-End P4

TO SINGLE SIDED OPEN BOX BEAM (OBB)
GENERAL ARRANGEMENT
& DETAIL

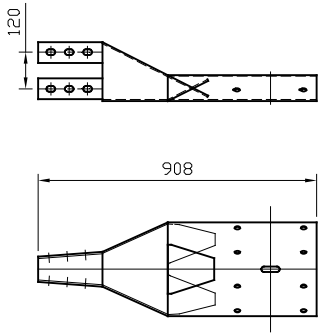
SAFEROAD
CONCORD HOUSE,
BESSEMER WAY, SCUNTHORPE,
NORTH LINCOLNSHIRE, DN15 8XE
t: 01724 289119
FOR TECHNICAL ASSISTANCE CONTACT
e: john.cudlipp@saferoad.co.uk

DRAWING NUMBER:	REVn:
P4-GA-02	03



PLAN VIEW
SCALE: 1:70

ELEVATION ON TRAFFIC FACE OF CONNECTION TO SINGLE SIDED TCB
SCALE: 1:70



DETAIL 'C'
(SAFE-END CONNECTOR)
SCALE: 1:25

GENERAL NOTES:
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

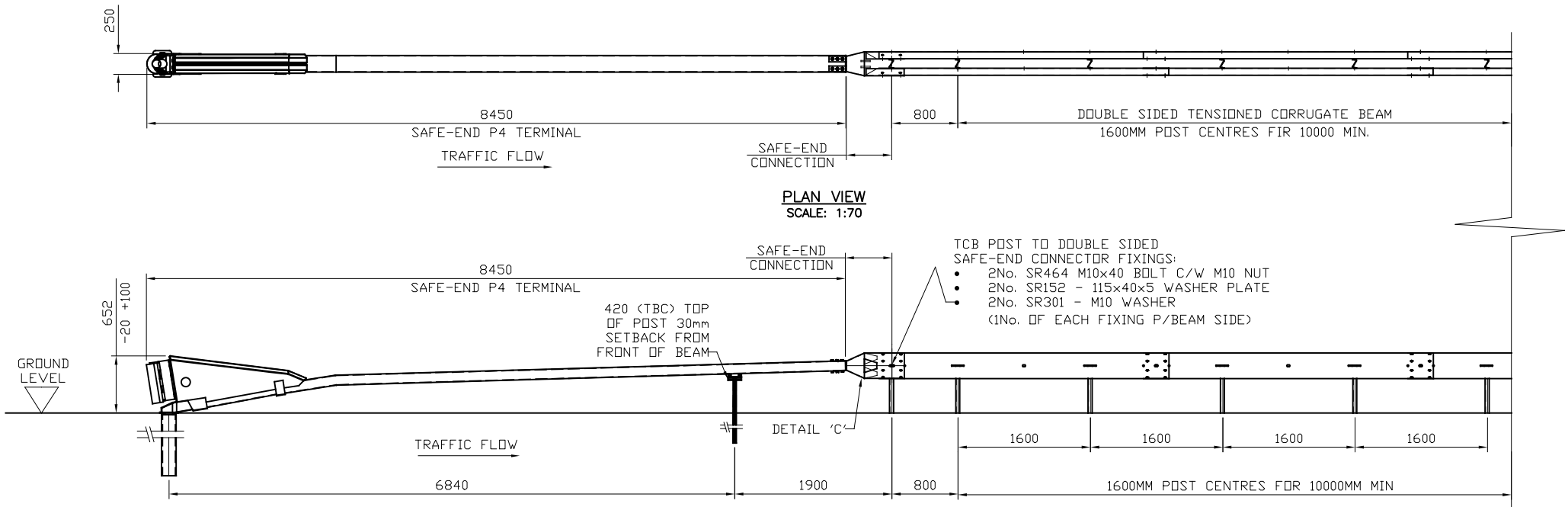
REVn	DATE	DETAILS	INITIAL
06	28.05.25	DRAWING UPDATED	H.B
05	19.02.25	DRAWING UPDATED	H.B
04	30.01.24	DETAILS REVISED	H.B
03	23.07.21	DETAILS REVISED	A.D
02	09.11.20	DETAILS REVISED	M.T

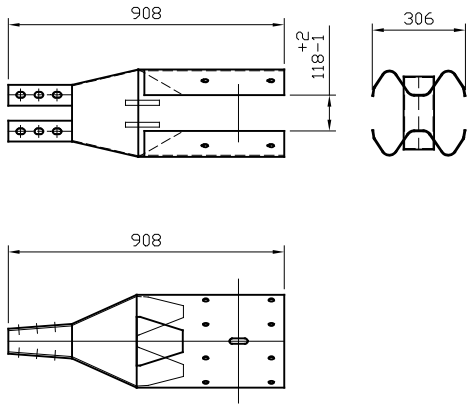
Safe-End P4

TO SINGLE SIDED TENSIONED CORRUGATE BEAM (TCB) GENERAL ARRANGEMENT & DETAIL

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

DRAWING NUMBER:	REVn:
P4-GA-04	06





GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

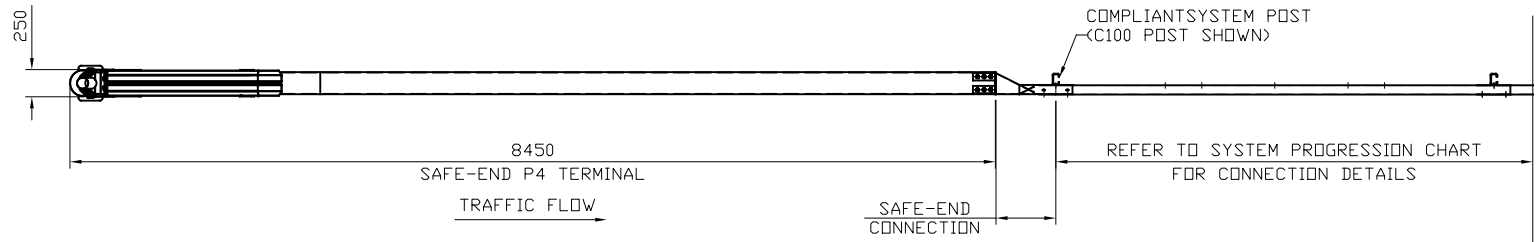
REVn	DATE	DETAILS	INITIAL
07	28.05.25	DRAWING UPDATED	H.B
06	19.02.25	DRAWING UPDATED	H.B
05	30.01.24	DETAILS REVISED	H.B
04	26.07.21	PLAN & ELEVATION REVISED	A.D
03	09.11.20	DETAILS REVISED	M.T

Safe-End P4

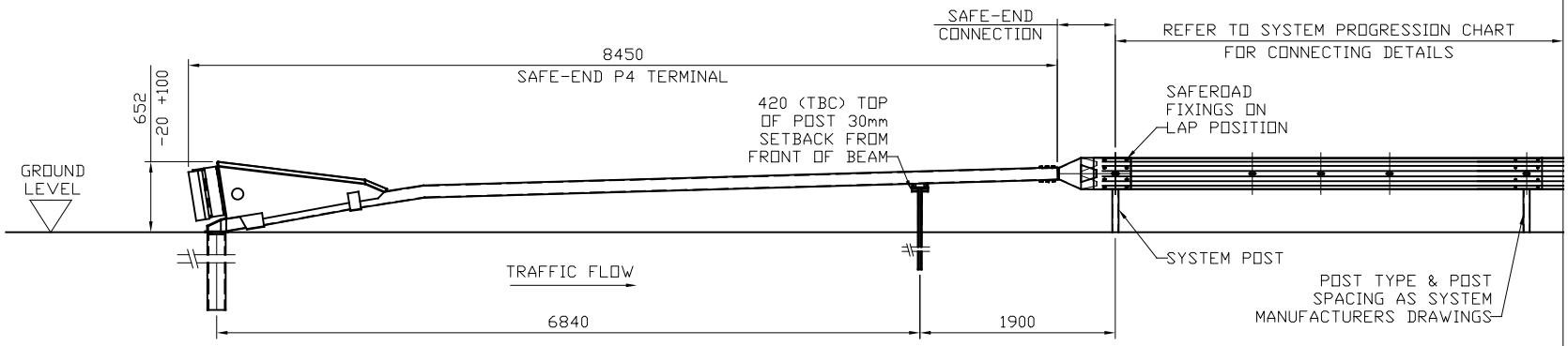
TO DOUBLE SIDED TENSIONED CORRUGATE BEAM (TCB) GENERAL ARRANGEMENT & DETAIL

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

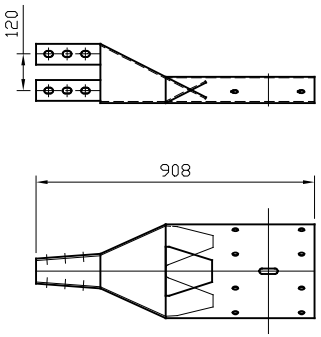
DRAWING NUMBER:	REVn:
P4-GA-05	07



PLAN VIEW
SCALE: 1:70



ELEVATION ON TRAFFIC FACE OF
CONNECTION TO EN 1317 TESTED VRS SYSTEM
SCALE: 1:70



DETAIL 'C'
(SAFE-END CONNECTOR)
SCALE: 1:25

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

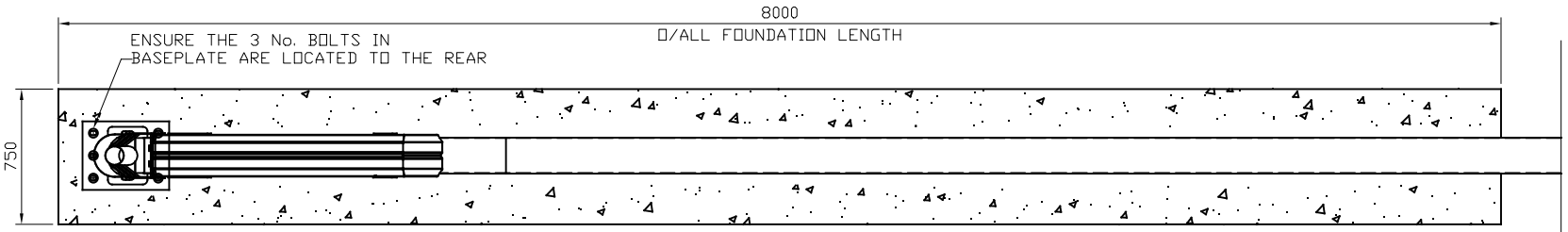
REVn	DATE	DETAILS	INITIAL
03	19.02.25	DRAWING UPDATED	H.B
02	23.07.21	DETAILS REVISED	A.D
01	09.11.20	DETAILS REVISED	M.T
00	04.03.20	DRAWING CREATED	M.T

Safe-End P4

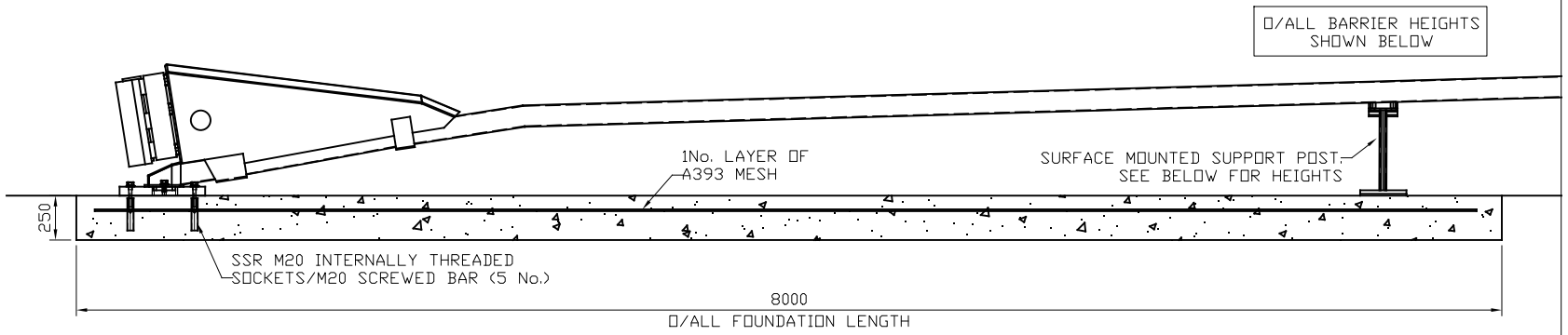
TO EN 1317 TESTED VRS SYSTEMS
GENERAL ARRANGEMENT
& DETAIL

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

DRAWING NUMBER:	REVn
P4-GA-06	03



PLAN VIEW
SCALE: 1:70

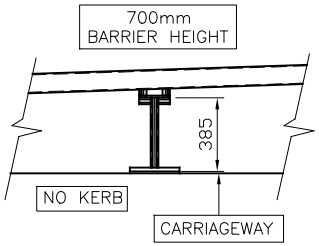


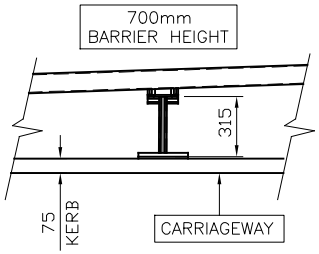
ELEVATION ON SURFACE MOUNTED SAFE-END P4 FOUNDATION DETAIL
SCALE: 1:70

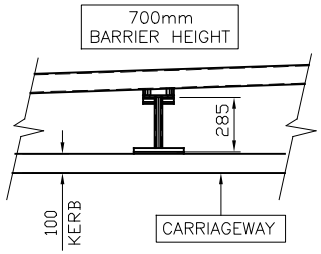
GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.
3. THIS FOUNDATION DETAIL IS APPLICABLE TO THE SURFACE MOUNTED ARRANGEMENT OF SAFE-END P4.
4. FOUNDATION SIZE: 750mm WIDE x 250mm DEEP x 8000mm LONG.
5. WHEN POSITIONING THE SURFACE MOUNTED BASEPLATE ENSURE THE ANCHOR BOLT HOLES ARE POSITIONED TO THE REAR OF THE SAFE-END AS SHOWN IN THIS DETAIL.

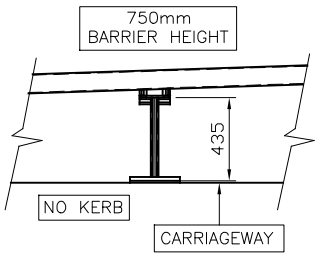
ALL POSTS TO BE GROUTED BETWEEN 10-30MM. POST HEIGHTS BELOW SHOWN WITH 10MM GROUT BED

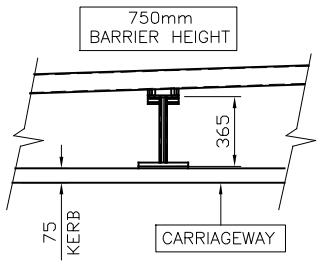


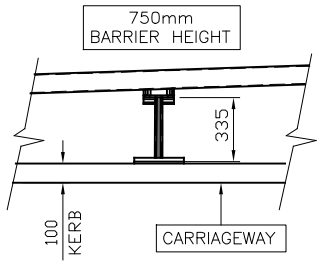




SURFACE MOUNTED SUPPORT POST HEIGHTS BASED ON CONNECTING TO 700mm BARRIER HEIGHT







SURFACE MOUNTED SUPPORT POST HEIGHTS BASED ON CONNECTING TO 750mm BARRIER HEIGHT

TEST LOAD FOR GROUND ANCHORAGES:-80kN

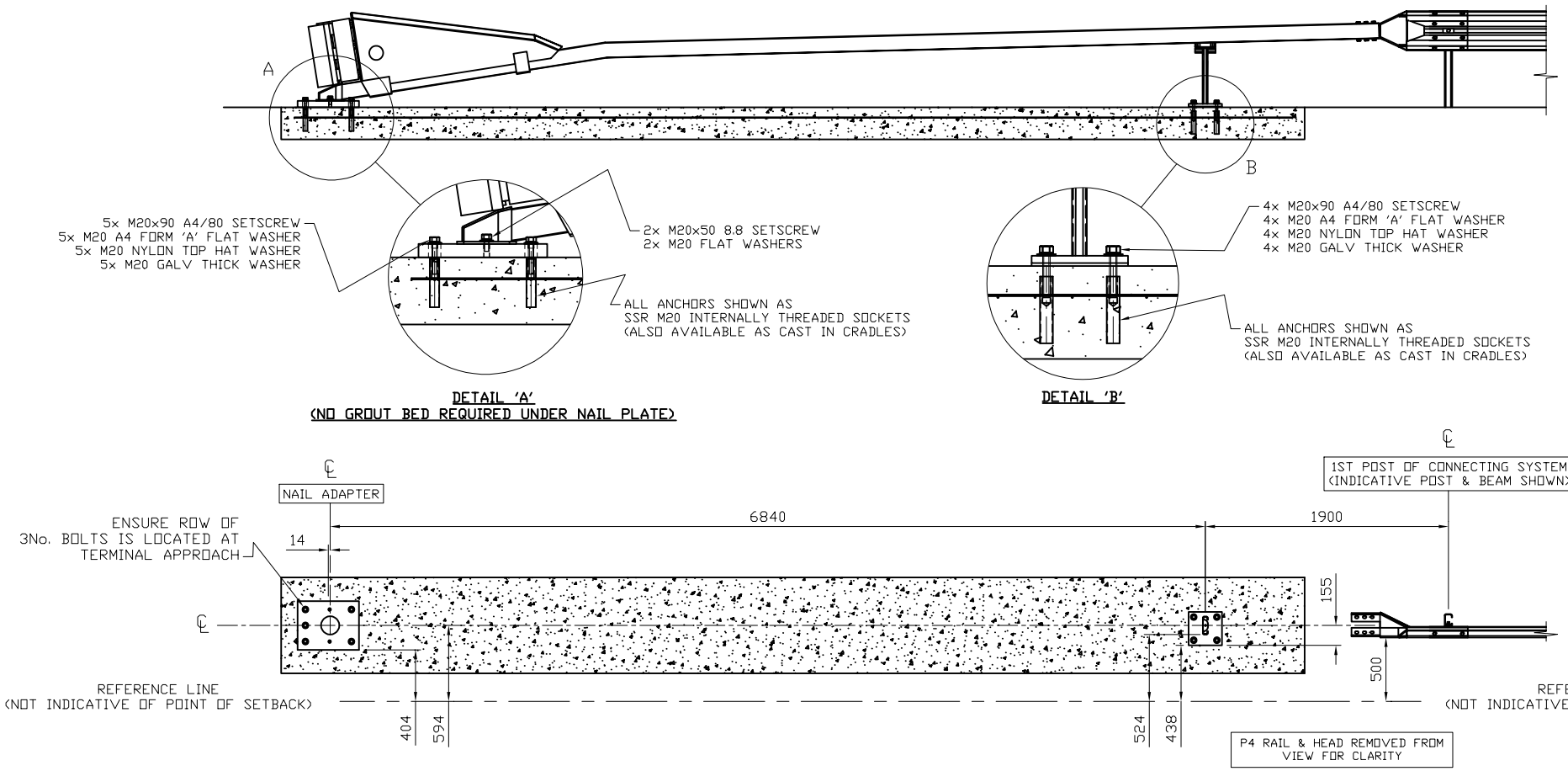
REVn	DATE	DETAILS	INITIAL
04	16.05.25	DRAWING UPDATED	H.B
03	19.02.25	DRAWING UPDATED	H.B
02	14.11.23	NOTE ADDED	H.B
01	13.05.22	SURFACE MOUNTED POST BASE CHANGED	A.D
00	17.04.20	DRAWING CREATED	M.T

Safe-End P4

FOUNDATION DETAIL FOR SURFACE MOUNTED SAFE-END P4

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

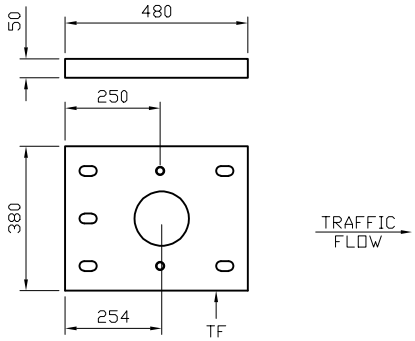
DRAWING NUMBER:	REVn:
P4-GA-07	04



REVn	DATE	DETAILS	INITIAL
00	20.10.26	DRAWING CREATED	H.B

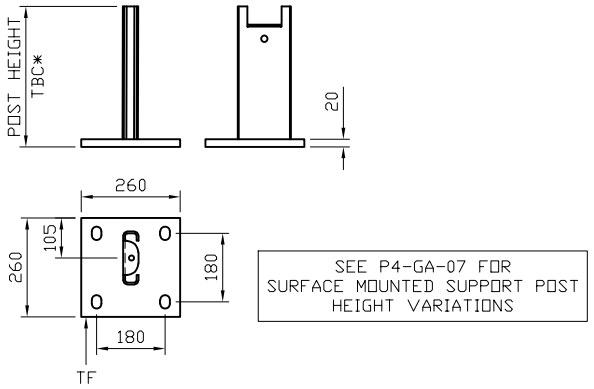
Safe-End P4

MOUNTING DETAILS FOR INSTALLATION ON SURFACE MOUNTED FOUNDATIONS



SURFACE MOUNTED SAFE-END P4
BASEPLATE
SCALE: 1:16

TRAFFIC FLOW



SURFACE MOUNTED SAFE-END P4
SUPPORT POSTS
SCALE: 1:16

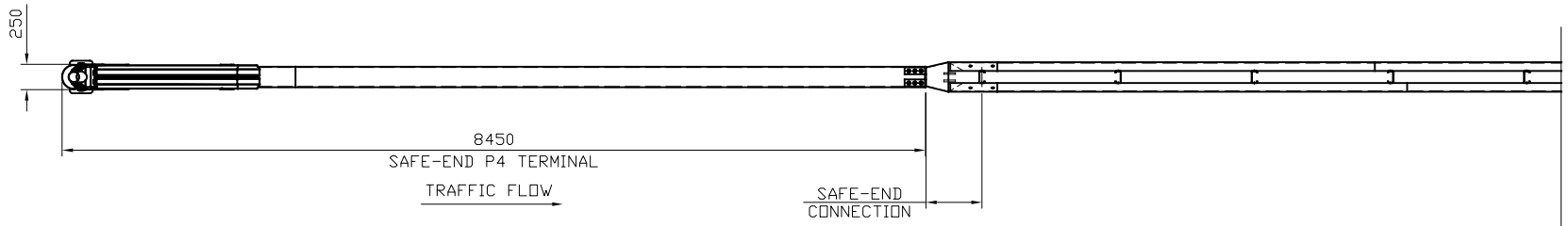
SEE P4-GA-07 FOR
SURFACE MOUNTED SUPPORT POST
HEIGHT VARIATIONS

GENERAL NOTES:

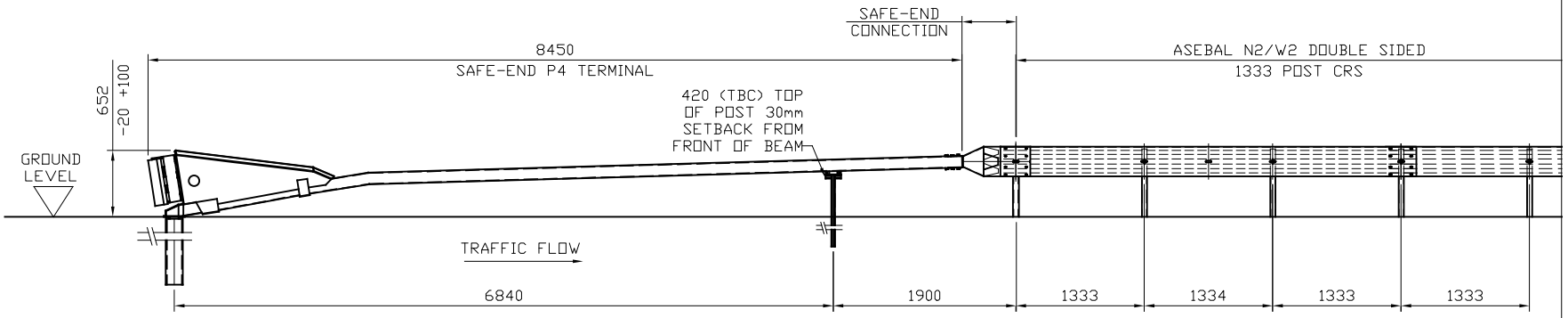
1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. FOR INSTALLATION PROCEDURES, REFER TO SAFEROAD MANUAL.
3. SEE DRAWING P4-GA-07 FOR SUPPORT POST HEIGHT REFERENCE SCHEMATIC
4. FOUNDATION SIZE: 750x250x8000
5. SUPPORT POST TO BE INSTALLED ON GROUT BED. GROUT BED THICKNESS TO BE BETWEEN 10-30MM
6. TEST LOAD FOR ALL GROUND ANCHORAGES TO BE 80kN

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

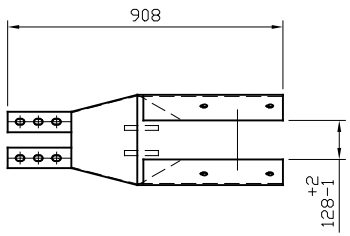
DRAWING NUMBER:	REVn:
P4-GA-07A	00

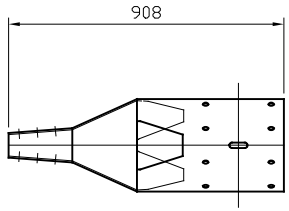


PLAN VIEW
SCALE: 1:70



ELEVATION ON TRAFFIC FACE OF
CONNECTION TO ASEBAL N2W2 DOUBLE SIDED SYSTEM
SCALE: 1:70





DETAIL 'C'
(DOUBLE SIDED ASEBAL CONNECTOR)
SCALE: 1:25

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

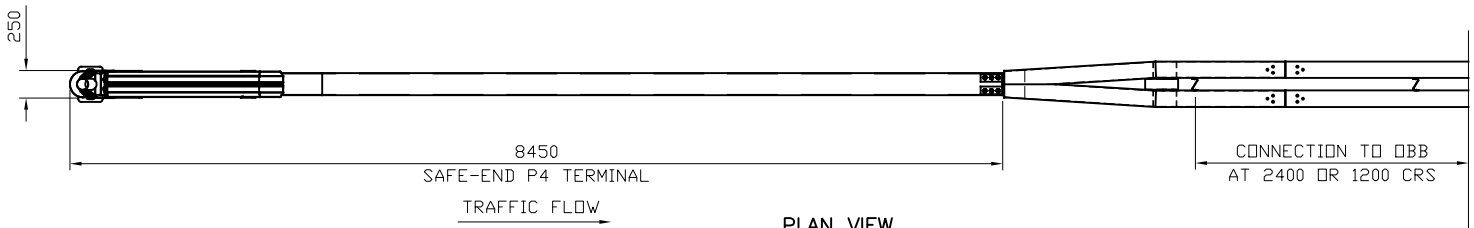
REVn	DATE	DETAILS	INITIAL
02	19.02.25	DRAWING UPDATED	H.B
01	16.08.21	POSTS IN PLAN ROTATED	A.D
00	05.01.21	DRAWING CREATED	M.T

Safe-End P4

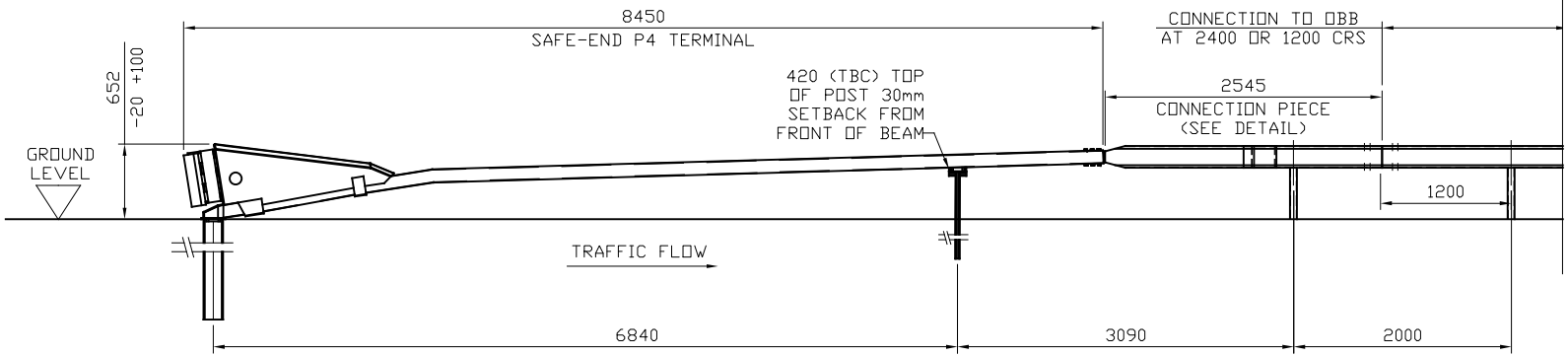
TO ASEBAL N2/W2 DOUBLE SIDED
GENERAL ARRANGEMENT
& DETAIL

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

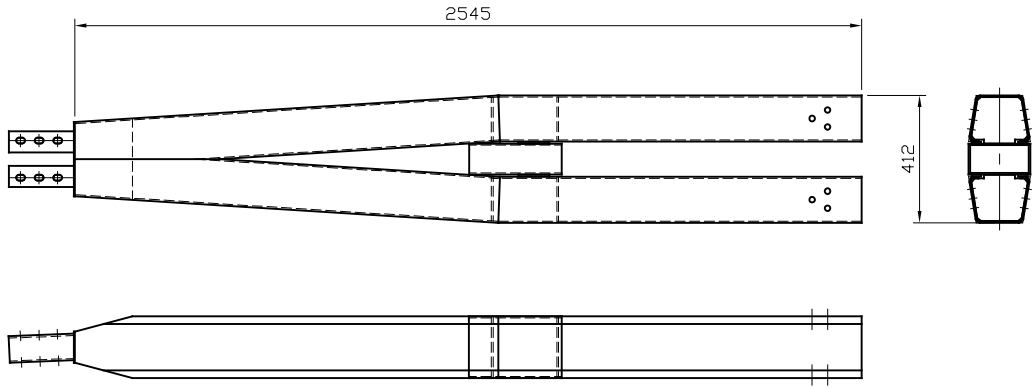
DRAWING NUMBER:	REVn:
P4–GA–08	02



PLAN VIEW
SCALE: 1:70



ELEVATION ON TRAFFIC FACE OF
CONNECTION TO DOUBLE SIDED OBB
SCALE: 1:70



CONNECTION DETAIL
SCALE: 1:25

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.

2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL.

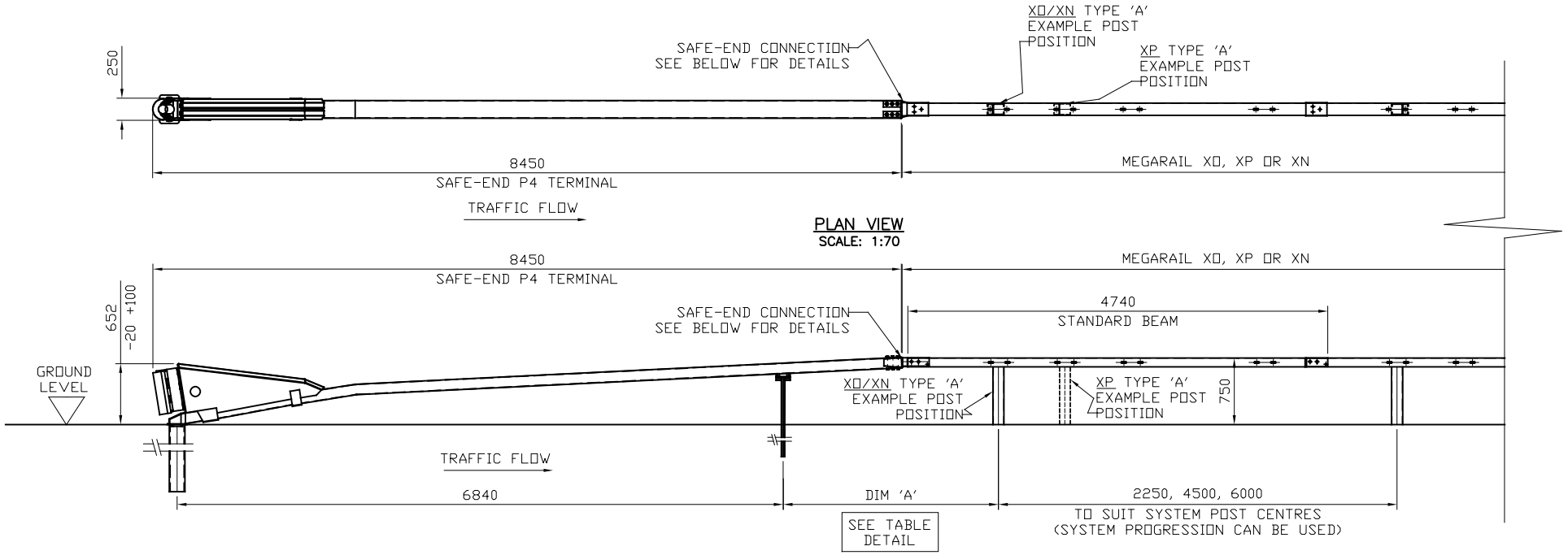
REVn	DATE	DETAILS	INITIAL
01	19.02.25	DRAWING UPDATED	H.B
00	27.09.22	DRAWING CREATED	H.B

Safe-End P4

TO DOUBLE SIDED OPEN BOX BEAM (OBB)
GENERAL ARRANGEMENT
& DETAIL

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

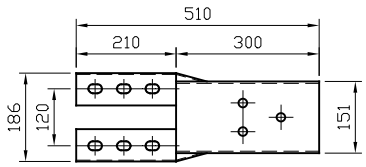
DRAWING NUMBER:	REVn:
P4-GA-09	01



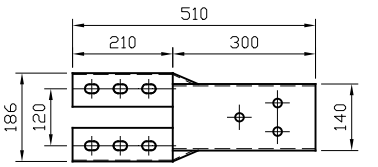
ELEVATION ON TRAFFIC FACE OF
CONNECTION TO MEGARAIL XO, XP OR XN
SCALE: 1:70

MEGARAIL XO & XN ONLY	
CONNECTOR TYPE	DIM 'A'
TYPE 'A'	2450
TYPE 'B'	2115

MEGARAIL XP ONLY	
CONNECTOR TYPE	DIM 'A'
TYPE 'A'	3200
TYPE 'B'	2115



TYPE 'A'
CONNECTION DETAIL
SCALE: 1:25



TYPE 'B'
CONNECTION DETAIL
SCALE: 1:25

GENERAL NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. FOR INSTALLATION PROCEDURES REFER TO SAFEROAD MANUAL
3. FOR DETAILS OF MEGARAIL XO, XP & XN, SEE RELEVANT GA DRAWINGS WITHIN MEGARAIL MANUAL
4. DIMENSION BETWEEN P4 SUPPORT POST & FIRST 'X' SYSTEM POST VARIES DEPEDANT ON CONNECTOR TYPE (DUE TO RAIL ORIENTATION). SEE TABLE FOR FURTHER DETAILS

REVn	DATE	DETAILS	INITIAL
03	16.05.25	DRAWING UPDATED	H.B
02	19.02.25	DRAWING UPDATED	H.B
01	16.05.24	DRAWING UPDATED	H.B
00	03.04.23	DRAWING CREATED	H.B

Safe-End P4

TO MEGARAIL XO, XP OR XN
GENERAL ARRANGEMENT &
DETAIL

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REVn: 03