

How to install Jakoustic Highway Fencing.

Thank you for choosing Jacksons Fencing. Our high quality fencing products will last for years and give you trouble-free service if you follow the installation instructions below, which are offered as a general guide.

Please read this in conjunction with the drawings or the Jakoustic Specifiers Guide.

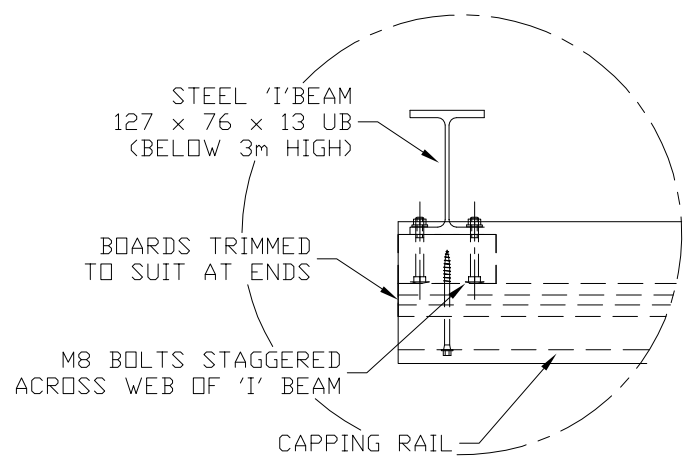
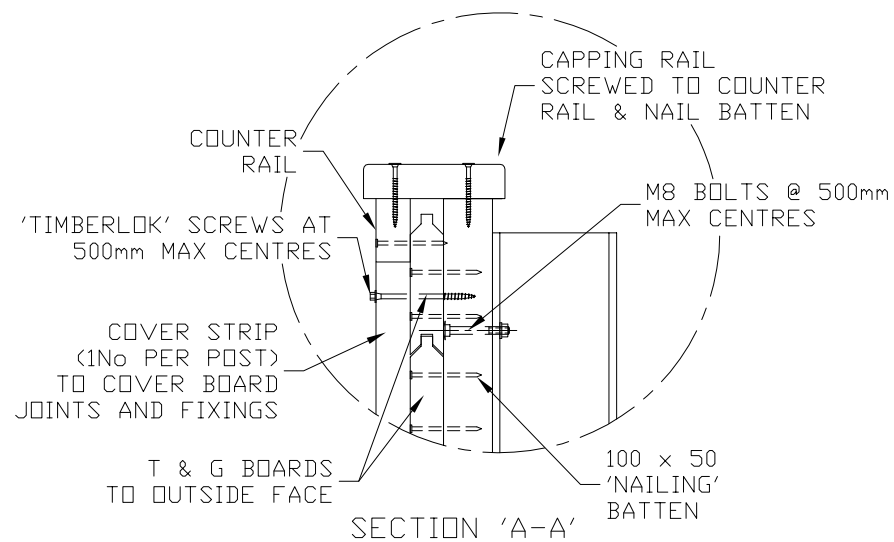
'I-beam' Posts

1. Fit nail batten
(100x50 sawn timber) to I-beam post (if required). Use M8 x 65 stainless steel coach bolt, washer & nyloc nut through the pre-drilled holes in the flange of the beam at $\approx 500\text{mm}$ centres. The top of the nail batten should protrude by $\approx 100\text{mm}$ above the top of the steel post.
2. Set posts in concrete
2.41m centres. Top of steel post at nominal fence height above ground level (nail batten may be partially buried).
If using an acoustic board to determine post spacing check the length of the board and ensure the centres are actually spaced at 2.41 / 4.82m leaving a gap at the end of each board if necessary. Board lengths do vary. If this is not checked, board joins may not be covered in the posts
Steps in fence height (if req'd) should be made in multiples of 125mm board height.
3. Install Boards.
Note - Base board has no groove.
Each 4.8mLg board should be half staggered with the boards above and below. Much of the structural strength of the fence comes from the way the boards are installed, in a similar fashion to brickwork.
Boards are built up the front of the nail battens, each 4.8mLg board should be nailed to 3No posts, with 2No 75mm galv. nails per post, each driven in at an angle. If necessary a lorry strap can be used to pull any bowed boards together. In high winds, cover boards should also be fixed as the installation progresses upwards to prevent collapse (see below).
4. To finish fencing
Trim the nail batten level with the top board. Fit the capping rail (145 x 35) along the length of the fence, use deck screws down into the top of the nail batten. At each post position screw a 120x35 cover board up the full height of the fence, to disguise any bruising caused by nailing. Use 100mm long Timberlok screws at 500mm centres up the full height of the fence (for a fence in excess of 3mH this cover strip may be supplied in more than one section. Always use the longer section at the base of the fence.
Between cover boards, push 70 x 35mm counter rails tight to capping rail (to either side of top board) and fix in position using deck screws (@600mm centres), then screw capping down to counter rail.

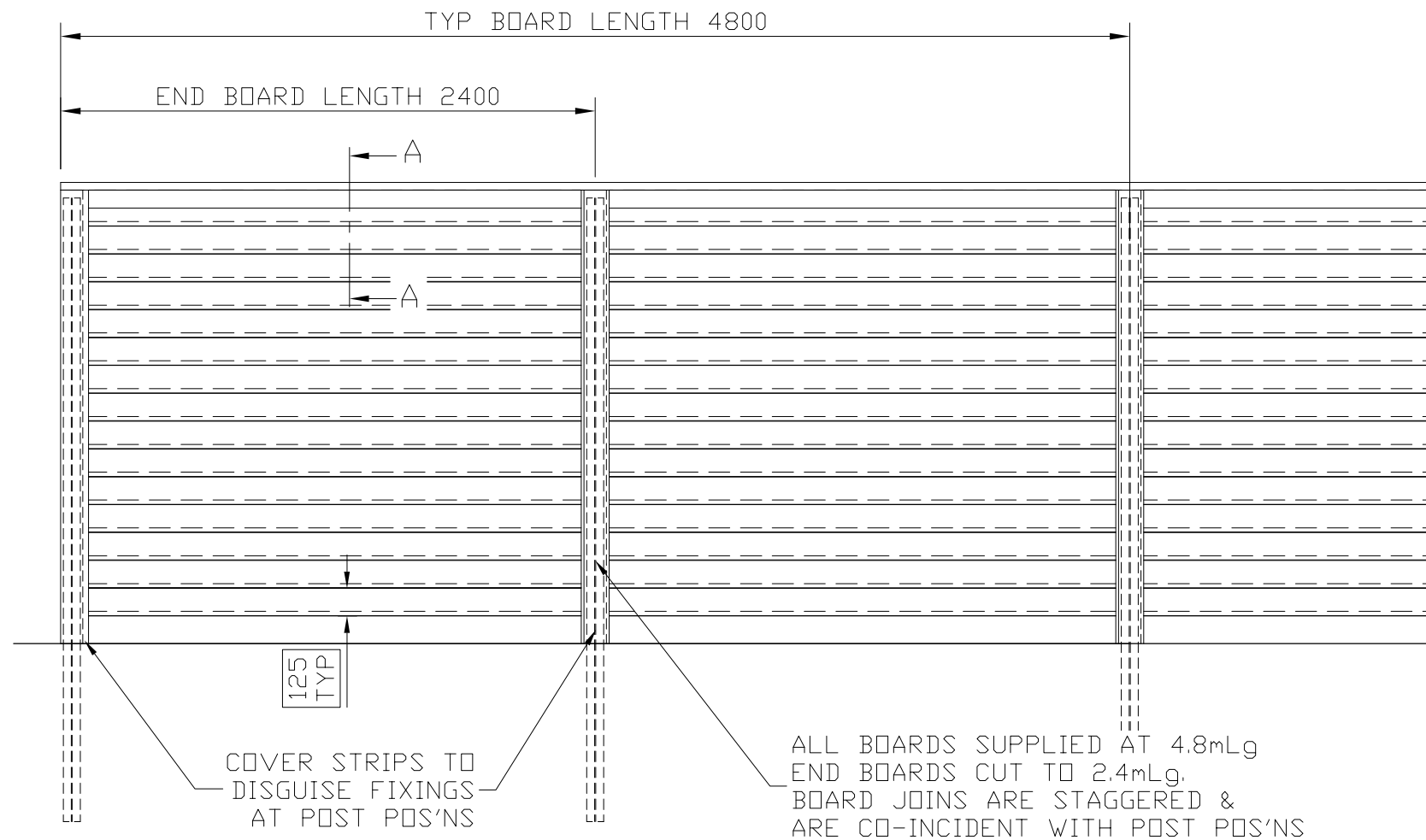
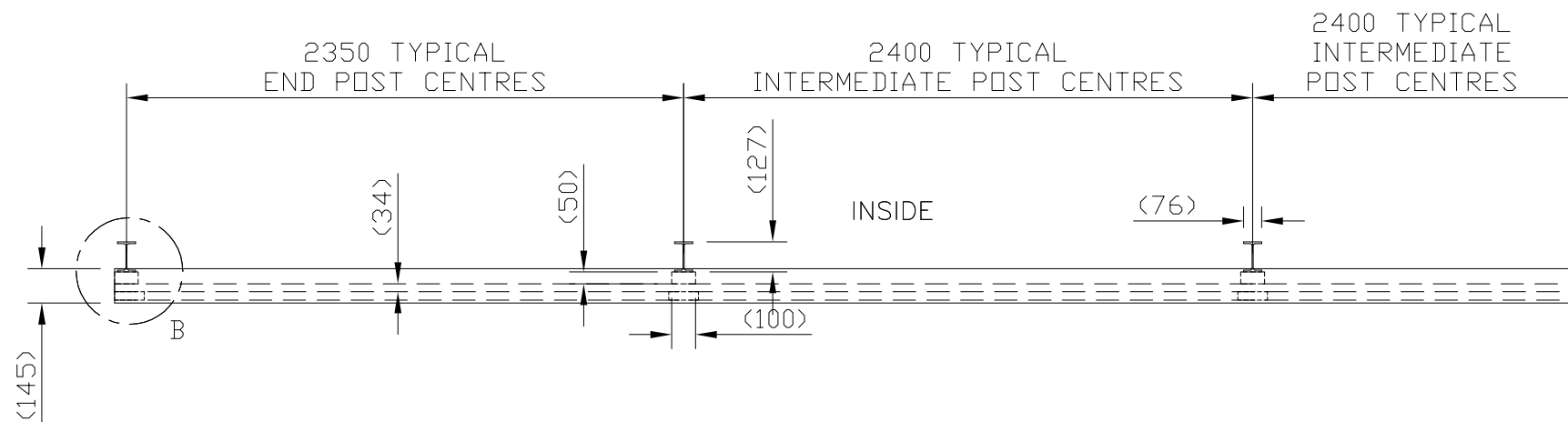
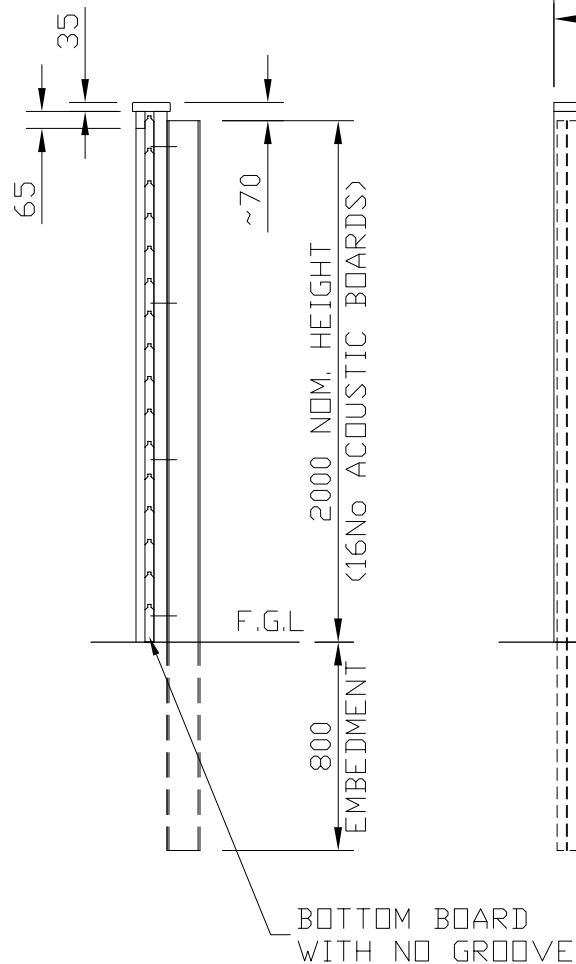
DO NOT SCALE – IF IN DOUBT ASK
NOTES

MAT'L – STEEL POSTS
GALVANISED 127 x 76 x 13 UNIVERSAL BEAMS –
SECTIONS VARY WITH HEIGHT

– TIMBER TREATED WITH 'JAKCURE' PROCESS
ACOUSTIC BOTTOM BOARD – 146 x 34 THK (125 Nom. FACE)
ACOUSTIC T&G BOARDS – 146 x 34 THK (125 Nom. FACE)
TIMBER BATTEN – 100 x 50 THK SAWN FINISH
CAPPING RAIL – 145 x 34 THK PAR
COVER STRIP – 125 x 34 THK PAR
COUNTER RAIL – 70 x 34 THK PAR
ALL FIXINGS ARE GALVANISED OR STAINLESS STEEL



DETAIL 'B'



VIEWED FROM OUTSIDE

2m HIGH

Jacksons
FINE FENCING

Stowting Common
Near Ashford,
KENT. TN25 6BN
Telephone : 01233 750393
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③ 06/01/10 bolt size
② 22/11/08 FIXINGS ALTERED
① 04/01/08 HEIGHTS SEPERATED
① 11/06/07 ORIGINAL ISSUE

Drawn JR
Date 11/06/07
Checked AT
Size A3
Scale 1:30 U.O.S

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM – WITH CAPPING OPTION

CUSTOMER

ACK No.

Drawing No.

J7/01047

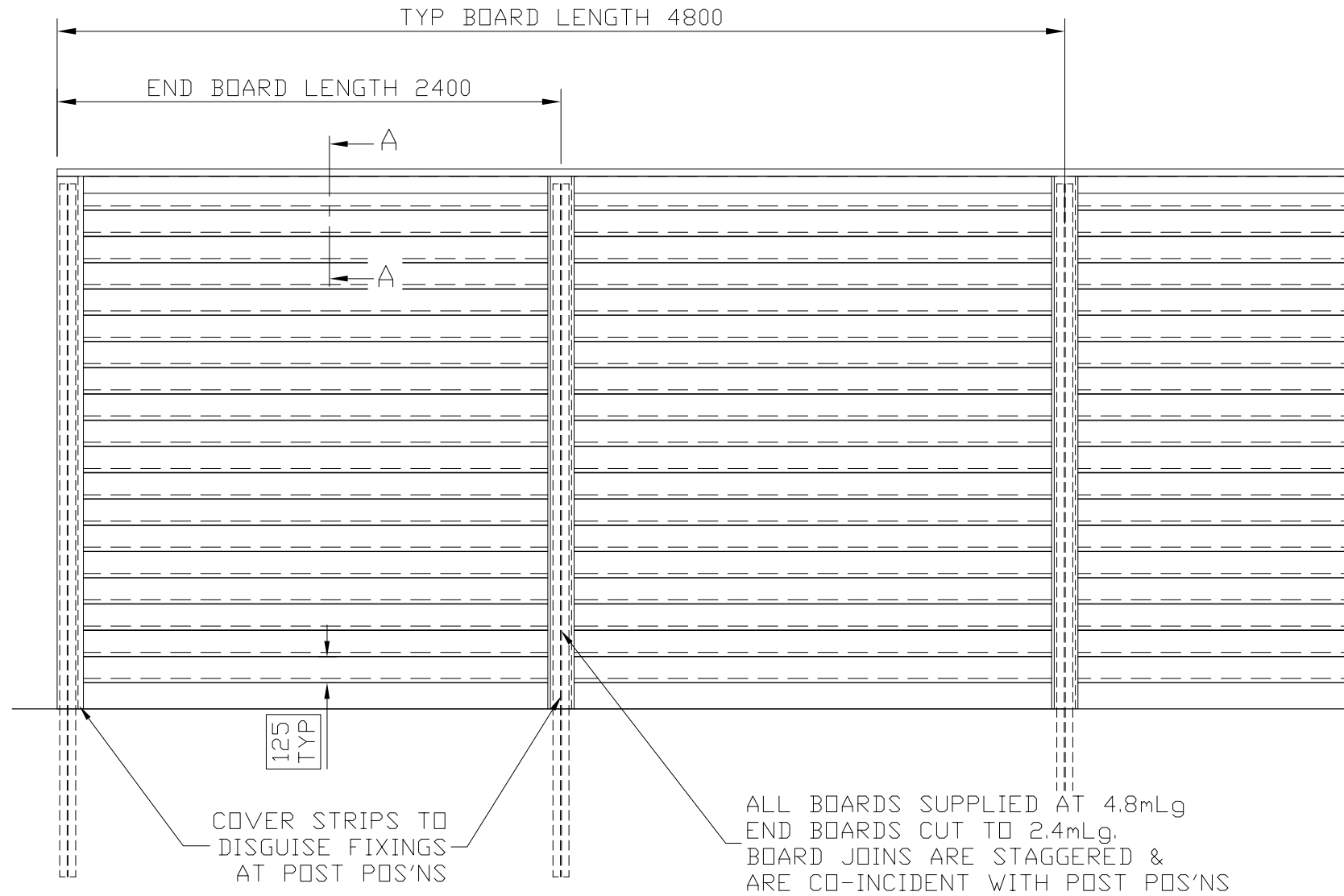
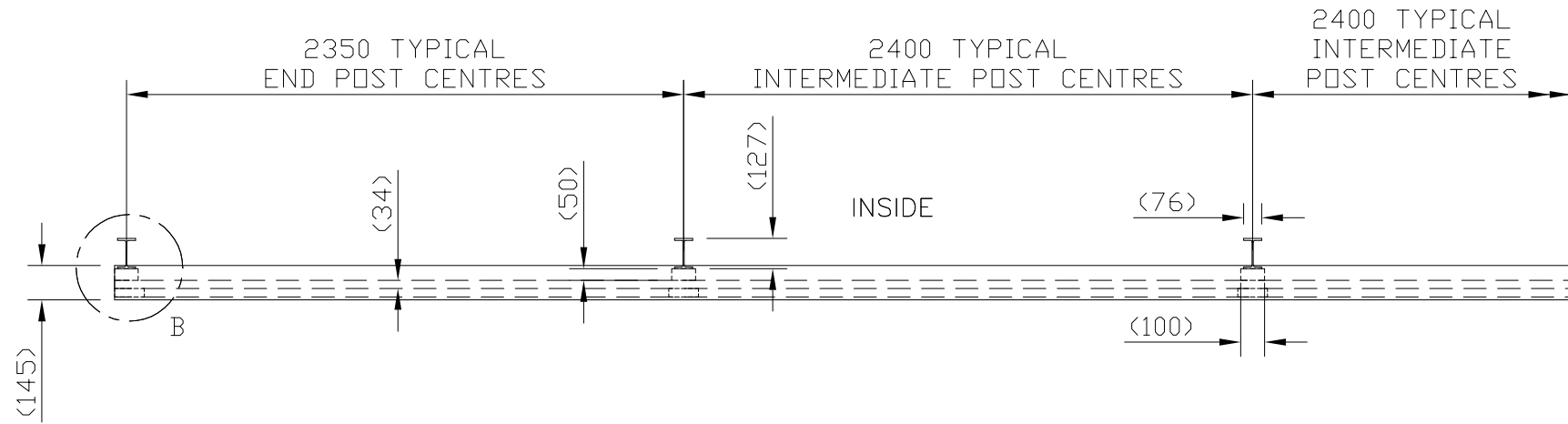
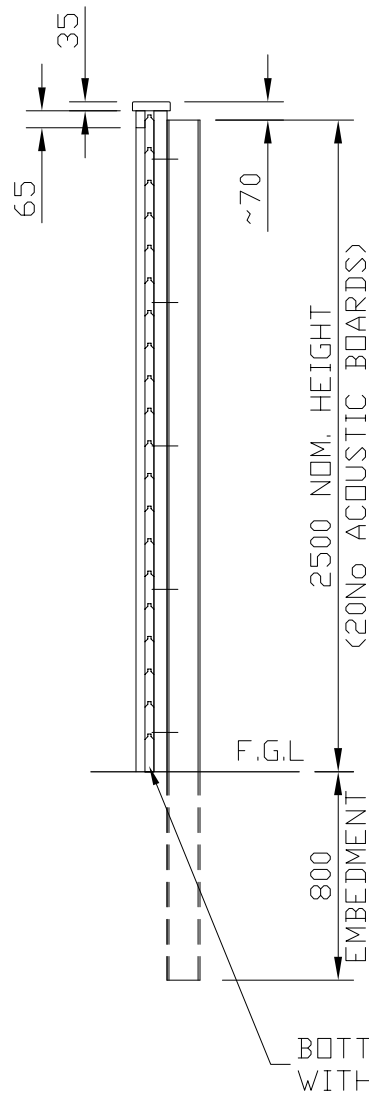
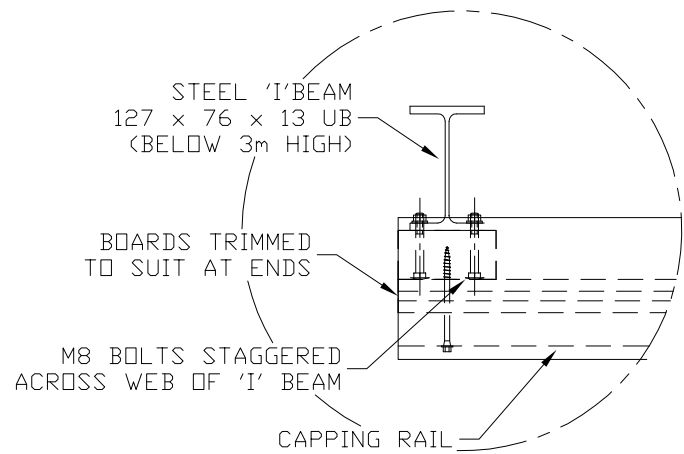
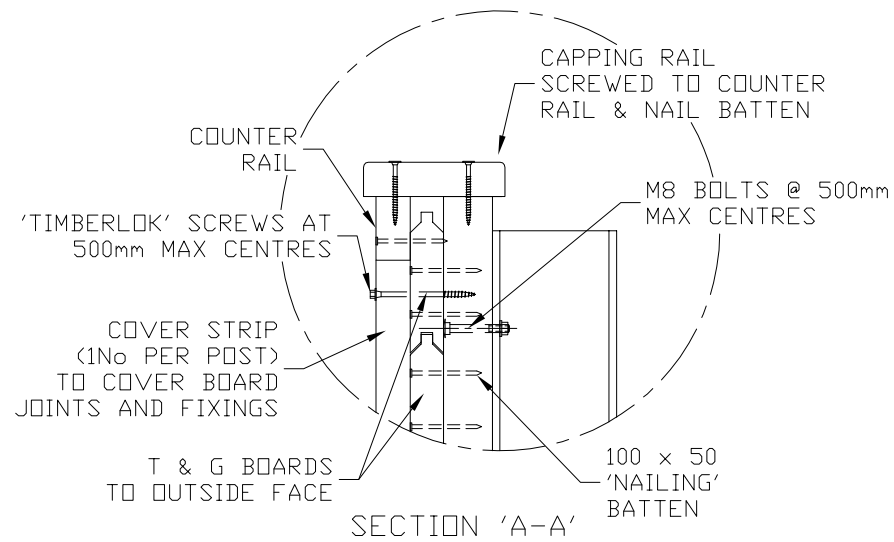
Sheet 1 – 2mH

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NOTES

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GALVANISED 127 x 76 x 13 UNIVERSAL BEAMS –
SECTIONS VARY WITH HEIGHT

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- ACOUSTIC BOTTOM BOARD – 146 x 34 THK (125 Nom. FACE)
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- CAPPING RAIL – 145 x 34 THK PAR
- COVER STRIP – 125 x 34 THK PAR
- COUNTER RAIL – 70 x 34 THK PAR

ALL FIXINGS ARE GALVANISED OR STAINLESS STEEL



VIEWED FROM OUTSIDE

2.5m HIGH

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Drawn JR
Date 11/06/07
Checked AT
Size A3
Scale 1:30 U.O.S

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM – WITH CAPPING OPTION

CUSTOMER

ACK No.

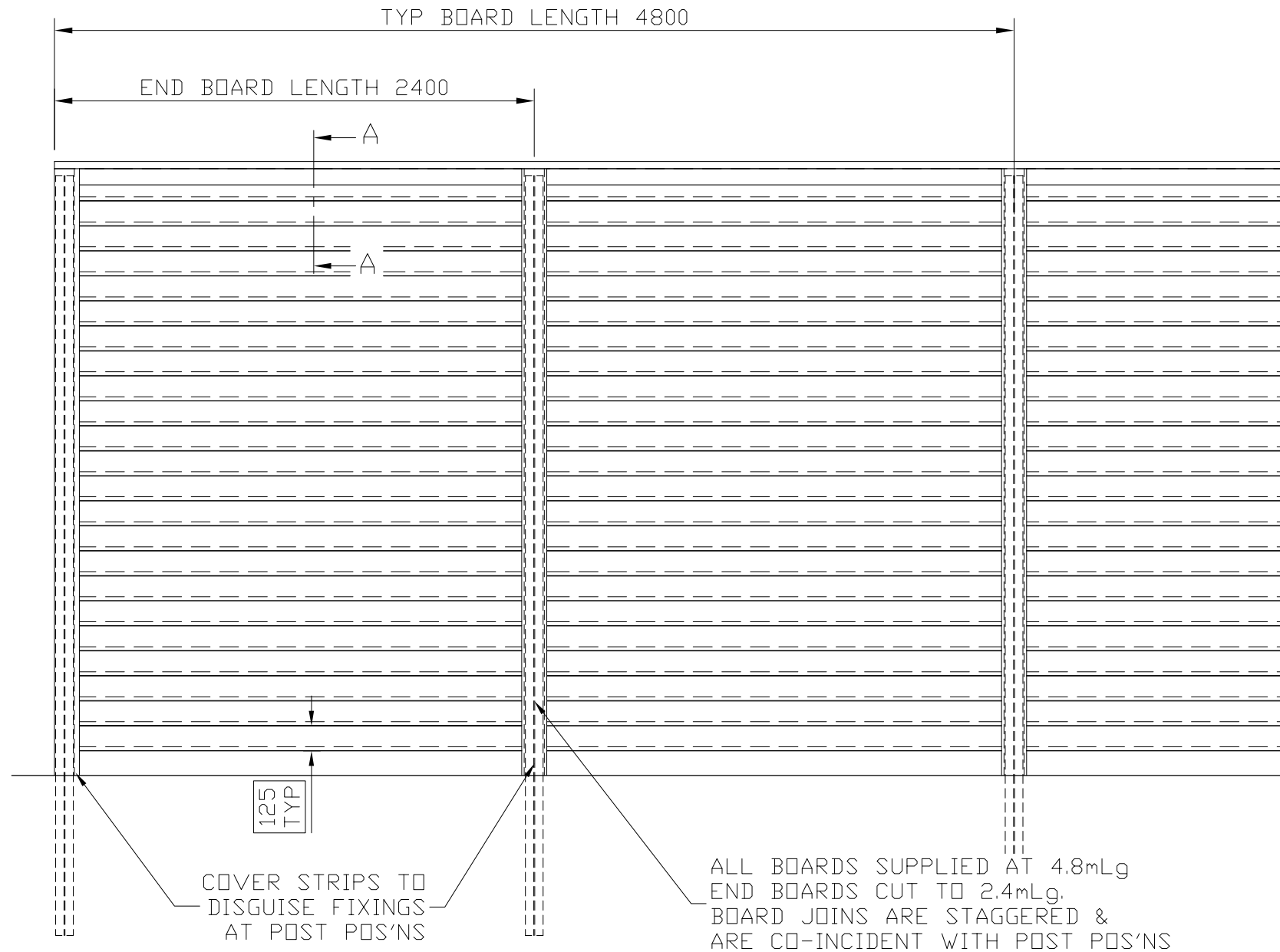
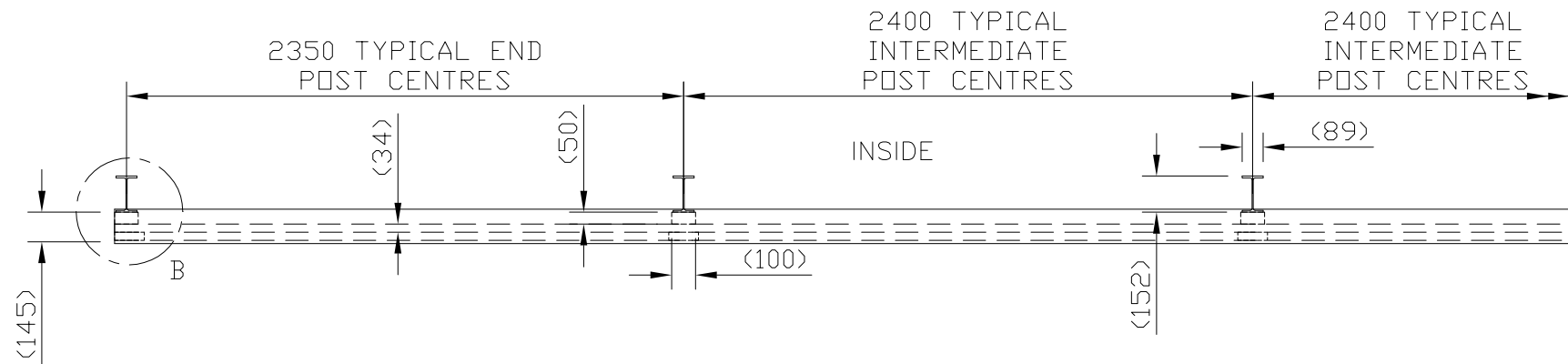
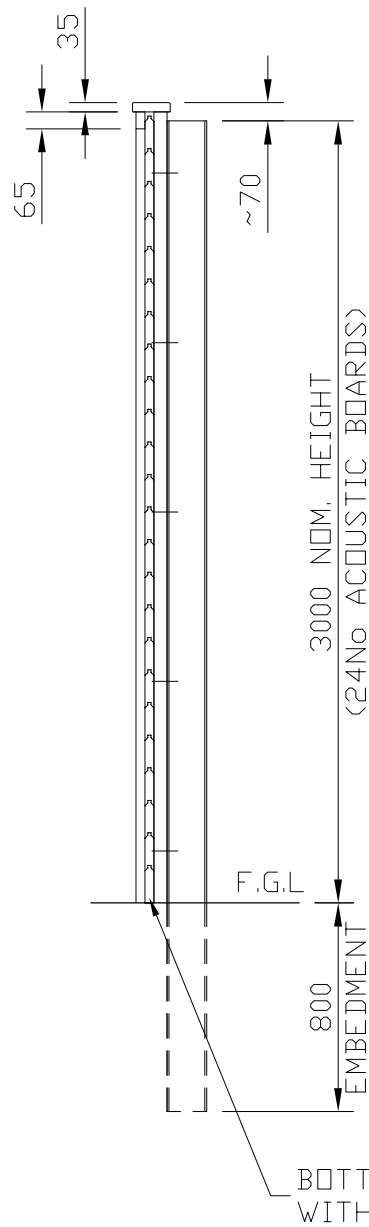
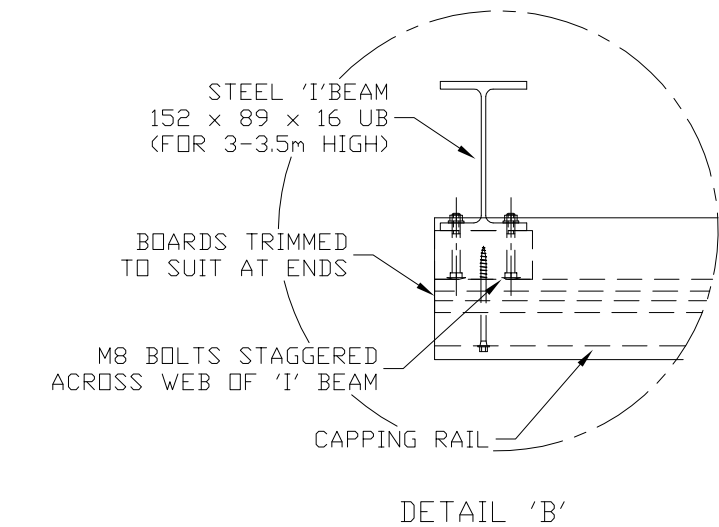
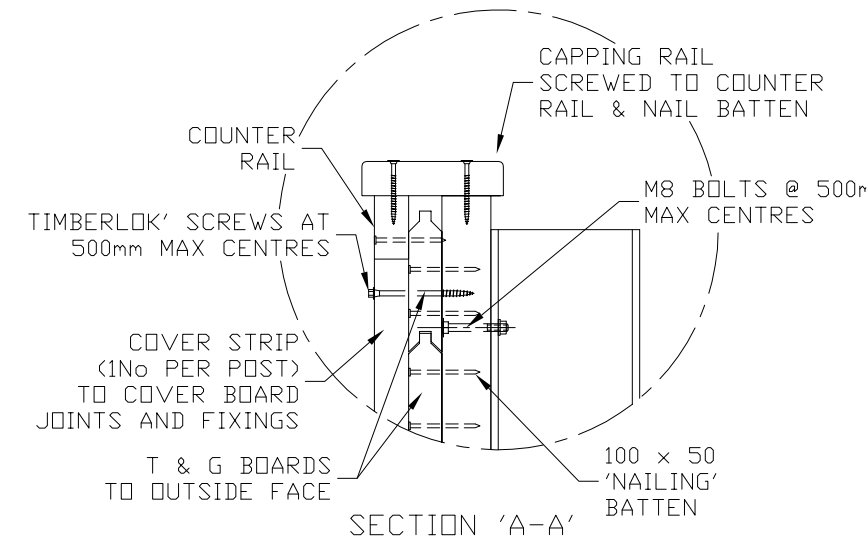
Drawing No.
J7/01047
Sheet 1 – 2.5mH

DO NOT SCALE – IF IN DOUBT ASK
NOTES

MAT'L – STEEL POSTS
GALVANISED 152 x 89 x 16 UNIVERSAL BEAMS –
SECTIONS VARY WITH HEIGHT

– TIMBER TREATED WITH 'JAKCURE' PROCESS
ACOUSTIC BOTTOM BOARD – 146 x 34 THK (125 Nom. FACE)
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TIMBER BATTEN – 100 x 50 THK SAWN FINISH
CAPPING RAIL – 145 x 34 THK PAR
COVER STRIP – 125 x 34 THK PAR
COUNTER RAIL – 70 x 34 THK PAR

ALL FIXINGS ARE GALVANISED OR STAINLESS STEEL



VIEWED FROM OUTSIDE

3m HIGH

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Drawn JR
Date 11/06/07
Checked AT
Size A3
Scale 1:30 U.O.S

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM – WITH CAPPING OPTION
CUSTOMER
ACK No.
Drawing No.
J7/01047
Sheet 1 – 3mH

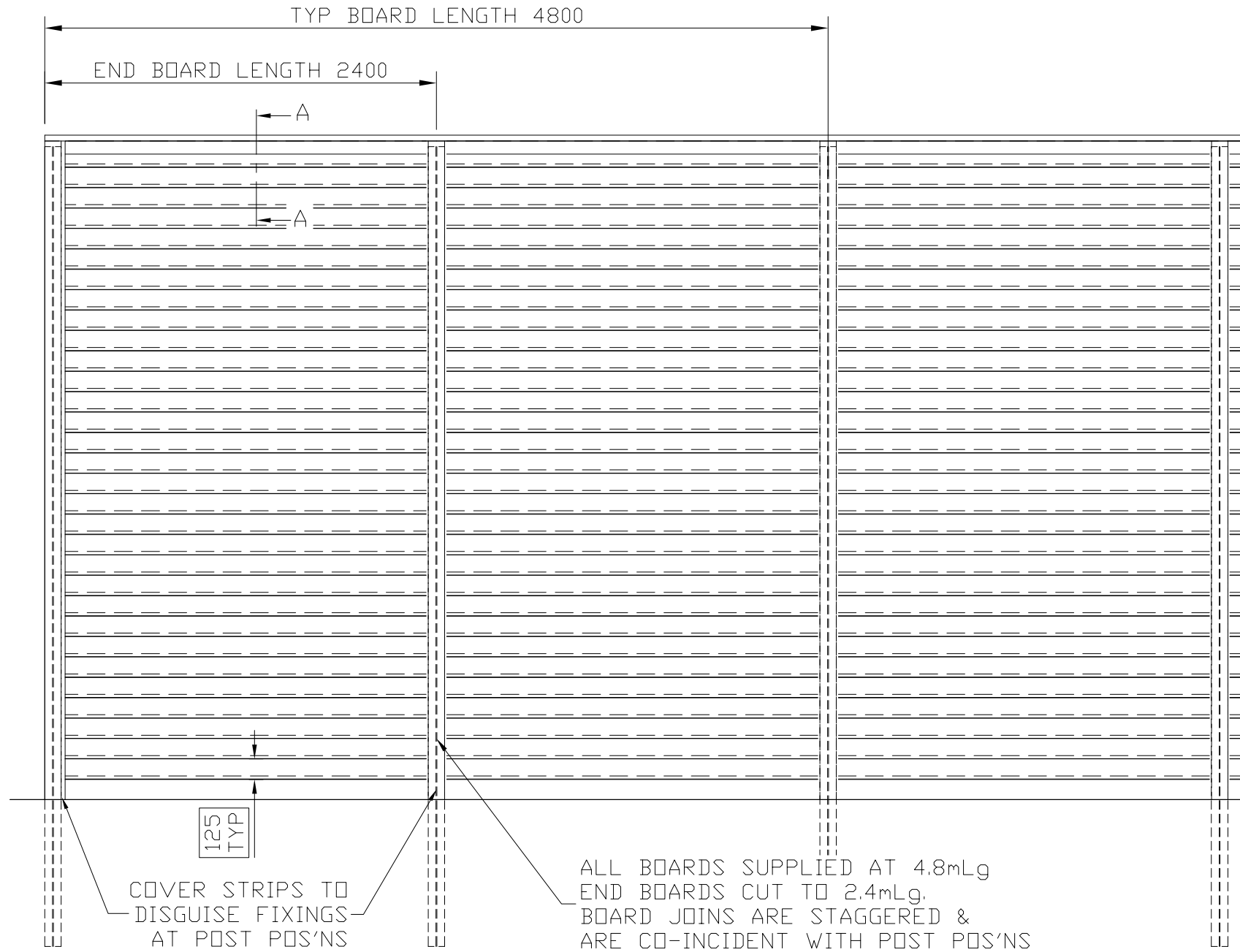
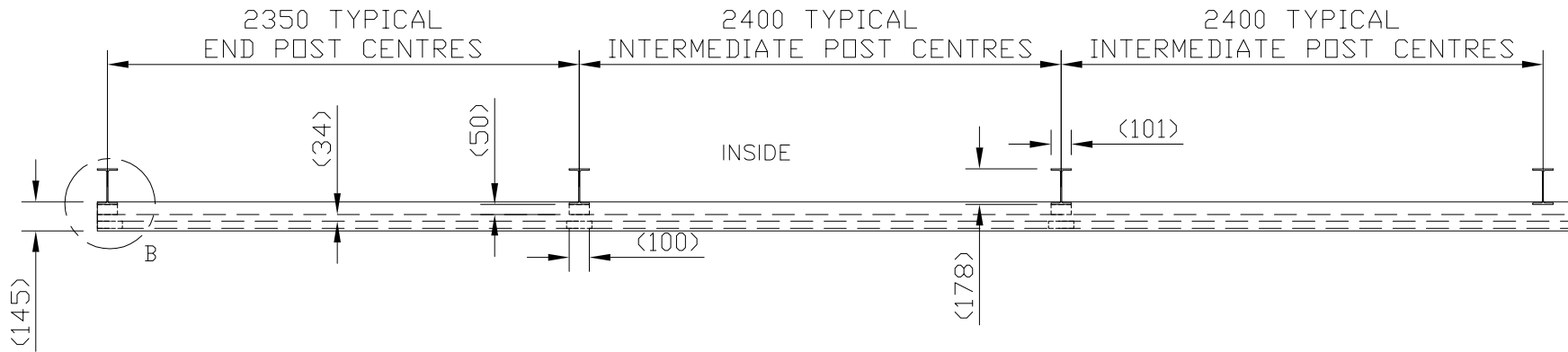
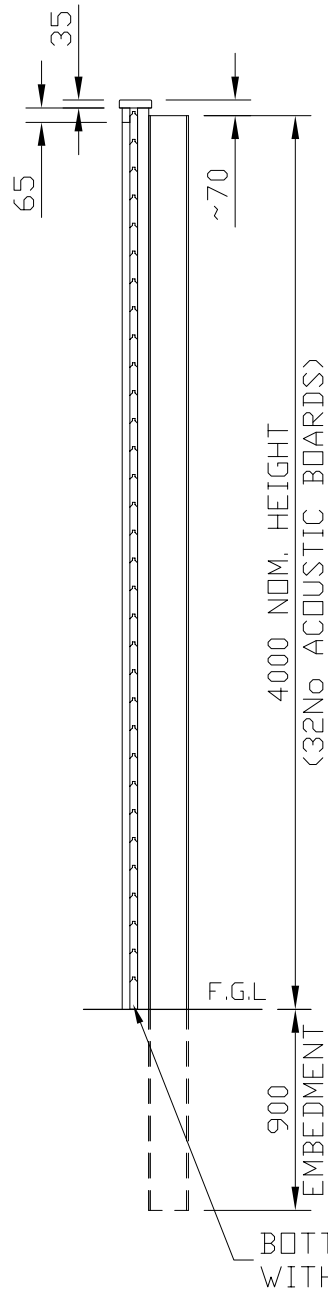
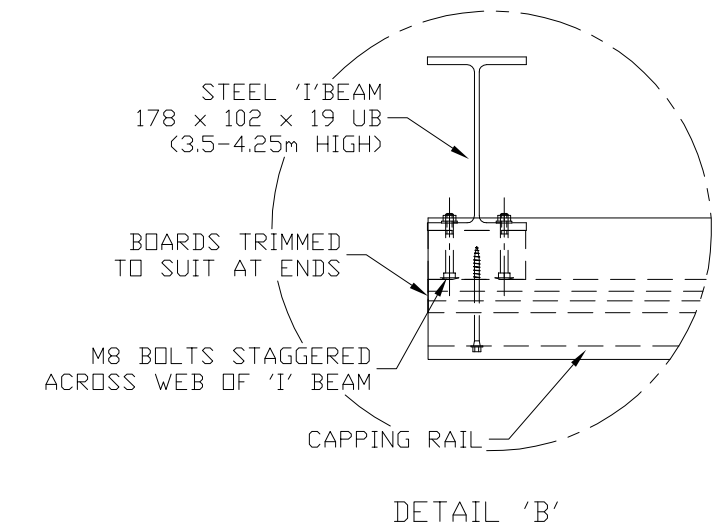
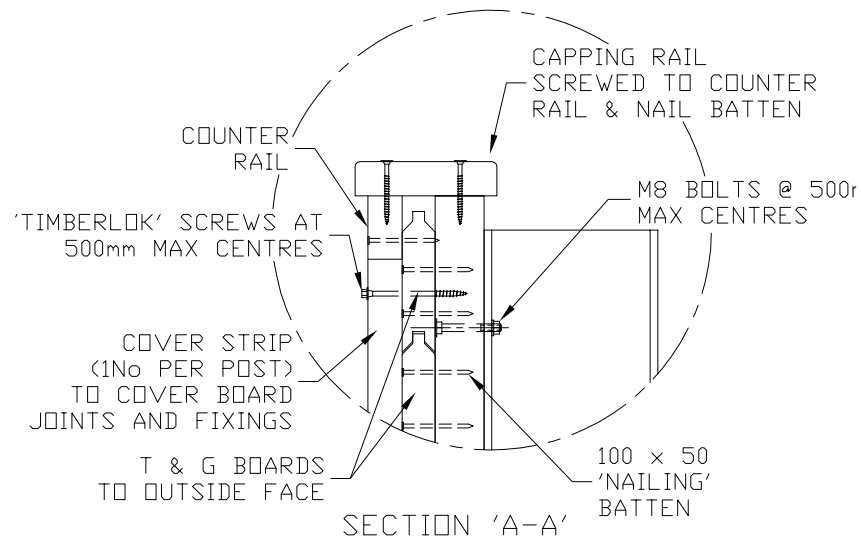
<h1>Jacksons</h1> <div> <div>FINE FENCING</div> <p> Stowting Common Near Ashford, KENT. TN25 6BN Telephone : 01233 750393 Fax: 01233 750403 Int. Tel : +44 (0)1233 750393 </p> </div> <p> This Drawing Is The Property Of H.S. Jackson & Son (Fencing) Ltd. And May Not Be Copied Or Reproduced In Any Way Without Prior Written Permission. </p>	<div>③</div> 06/01/10	bolt size	Drawn JR	TITLE DETAIL OF JAKOUSTIC HIGHWAY	
	<div>②</div> 22/11/08	FIXINGS ALTERED	Date 11/06/07	FENCING SYSTEM – WITH CAPPING OPTION	
	<div>①</div> 04/01/08	HEIGHTS SEPERATED	Checked AT	CUSTOMER	Drawing No.
	<div>⑥</div> 11/06/07	ORIGINAL ISSUE	<div>Size</div> <div>A3</div> <div>Scale</div> <div>1:30</div> <div>U.O.S</div>	ACK No.	<div>J7/01047</div> <div>Sheet 1 – 3.5mH</div>

DO NOT SCALE – IF IN DOUBT ASK
NOTES

MAT'L – STEEL POSTS
GALVANISED 178 x 102 x 19 UNIVERSAL BEAMS –
SECTIONS VARY WITH HEIGHT

- TIMBER TREATED WITH 'JAKCURE' PROCESS
- ACOUSTIC BOTTOM BOARD – 146 x 34 THK (125 Nom. FACE)
- ACOUSTIC T&G BOARDS – 146 x 34 THK (125 Nom. FACE)
- TIMBER BATTEN – 100 x 50 THK SAWN FINISH
- CAPPING RAIL – 145 x 34 THK PAR
- COVER STRIP – 125 x 34 THK PAR
- COUNTER RAIL – 70 x 34 THK PAR

ALL FIXINGS ARE GALVANISED OR STAINLESS STEEL



VIEWED FROM OUTSIDE

4m HIGH

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- ① 04/01/08 HEIGHTS SEPERATED
- ① 09/04/07 ORIGINAL ISSUE

Drawn JR
Date 11/06/07
Checked AT
Size A3
Scale 1:30
U.O.S

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM – WITH CAPPING OPTION

CUSTOMER

ACK No.

Drawing No.

J7/01047

Sheet 1 – 4mH

NOTES

- TIMBER TREATED WITH 'JAKCURE' PROCESS	
ACOUSTIC BOTTOM BOARD	- 146 x 34 THK (125 Nom. FACE)
ACOUSTIC T&G BOARDS	- 146 x 34 THK (125 Nom. FACE)
TIMBER BATTEN	- 100 x 50 THK SAWN FINISH
CAPPING RAIL	- 145 x 34 THK PAR
COVER STRIP	- 125 x 34 THK PAR
COUNTER RAIL	- 70 x 34 THK PAR

SECTION 'A-A'

CAPPING RAIL
SCREWED TO COUNTER
RAIL & NAIL BATTEN

COUNTER
RAIL

'TIMBERLOK' SCREWS AT
500mm MAX CENTRES

M8 BOLTS @ 500mm
MAX CENTRES

COVER STRIP
(1 No PER POST)
TO COVER BOARD
JOINTS AND FIXINGS

T & G BOARDS
TO OUTSIDE FACE

100 x 50
'NAILING'
BATTEN

65

35

~70

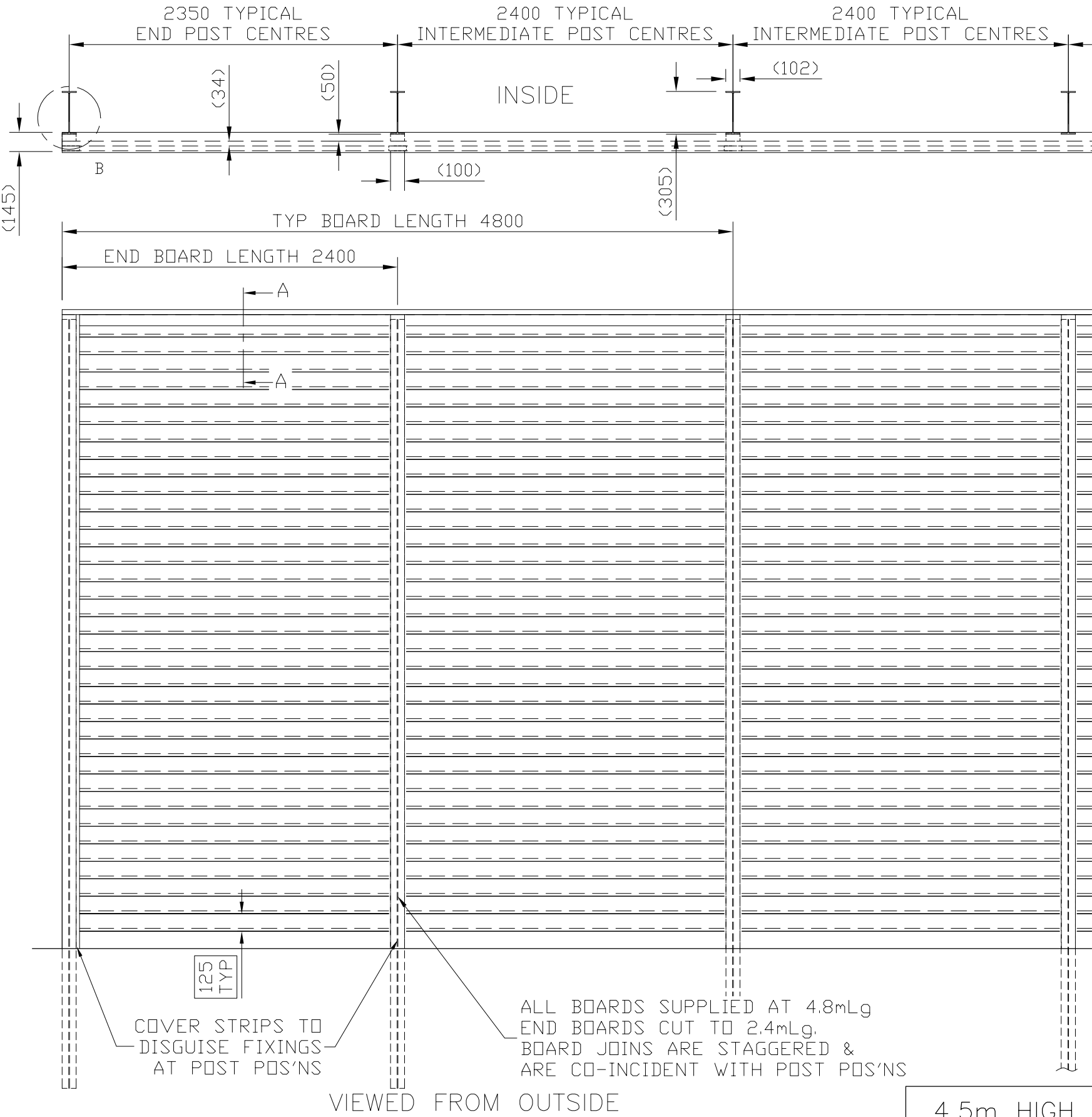
4500 NOM. HEIGHT
(36 No ACOUSTIC BOARDS)

F.G.L.

1000

EMBEDMENT

BOTTOM BOARD WITH NO GROOVE



4.5m HIGH

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3	06/01/10	bolt size
2	22/11/08	FIXINGS ALTERED
1	04/01/08	HEIGHTS SEPERATED
0	09/04/07	ORIGINAL ISSUE

Drawn	JR
Date	11/06/07
Checked	AT
Size A3	Scale 1:30 U.O.

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM — WITH CAPPING OPTION

CUSTOMER

ACK No.

Drawing No.

J7/01047

Sheet 1 – 4.5mH

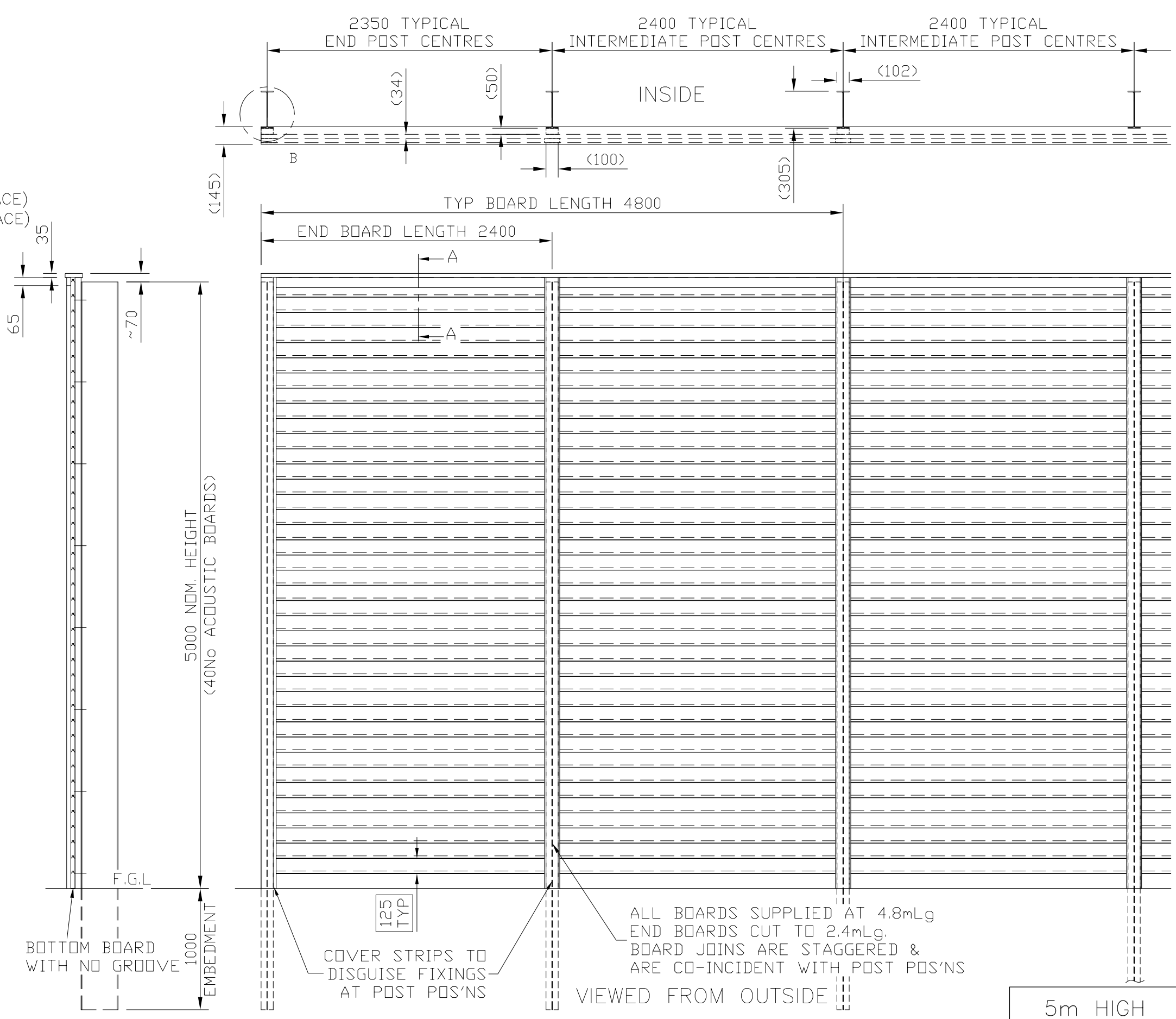
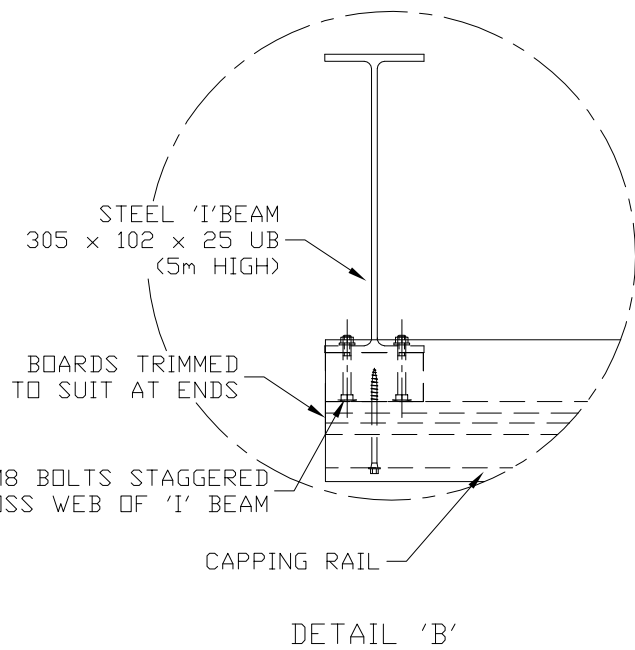
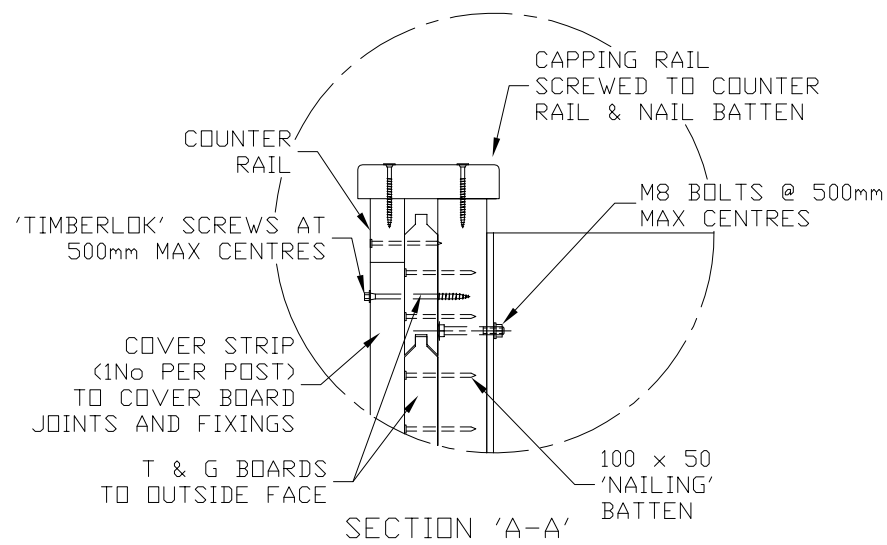
DO NOT SCALE – IF IN DOUBT ASK
NOTES

MAT'L – STEEL POSTS

GALVANISED 305 x 102 x 25 UNIVERSAL BEAMS –
SECTIONS VARY WITH HEIGHT

- TIMBER TREATED WITH 'JAKCURE' PROCESS
- ACOUSTIC BOTTOM BOARD – 146 x 34 THK (125 Nom. FACE)
- ACOUSTIC T&G BOARDS – 146 x 34 THK (125 Nom. FACE)
- TIMBER BATTEN – 100 x 50 THK SAWN FINISH
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- COVER STRIP – 125 x 34 THK PAR
- COUNTER RAIL – 70 x 34 THK PAR

ALL FIXINGS ARE GALVANISED OR STAINLESS STEEL



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Drawn JR
Date 11/06/07
Checked AT
Size A3 Scale 1:30 U.O.S

TITLE DETAIL OF JAKOUSTIC HIGHWAY
FENCING SYSTEM – WITH CAPPING OPTION
CUSTOMER
ACK No.
Drawing No.
J7/01047
Sheet 1 – 5mH

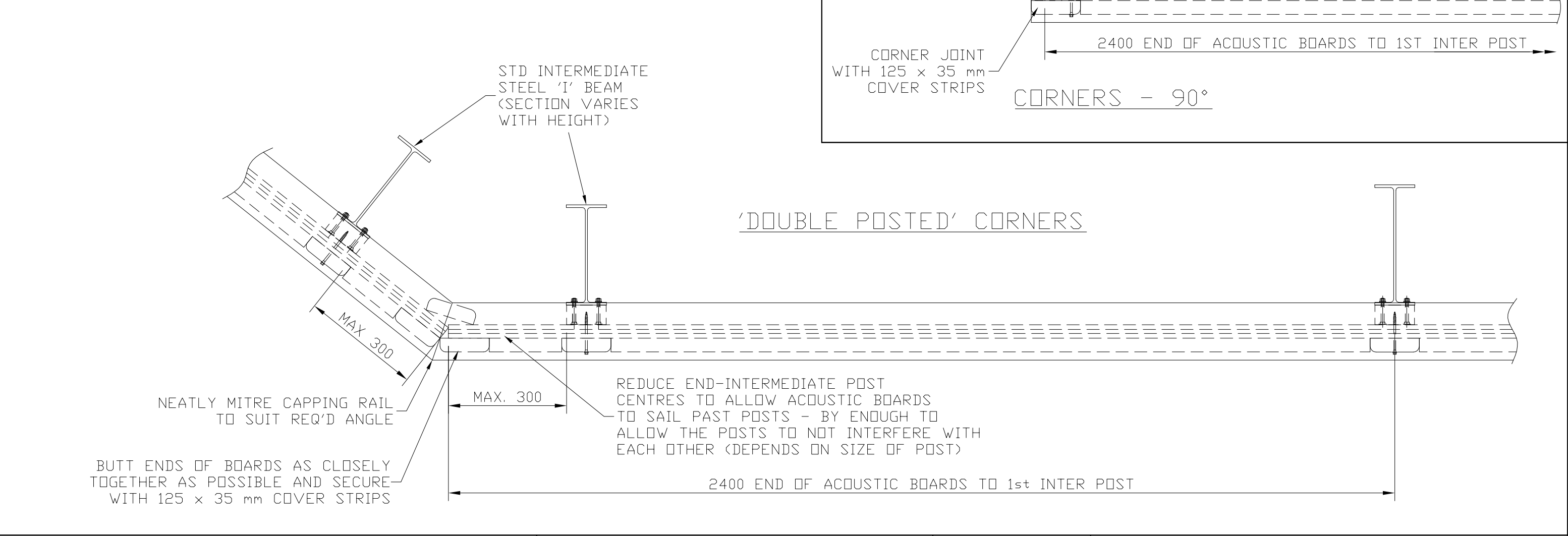
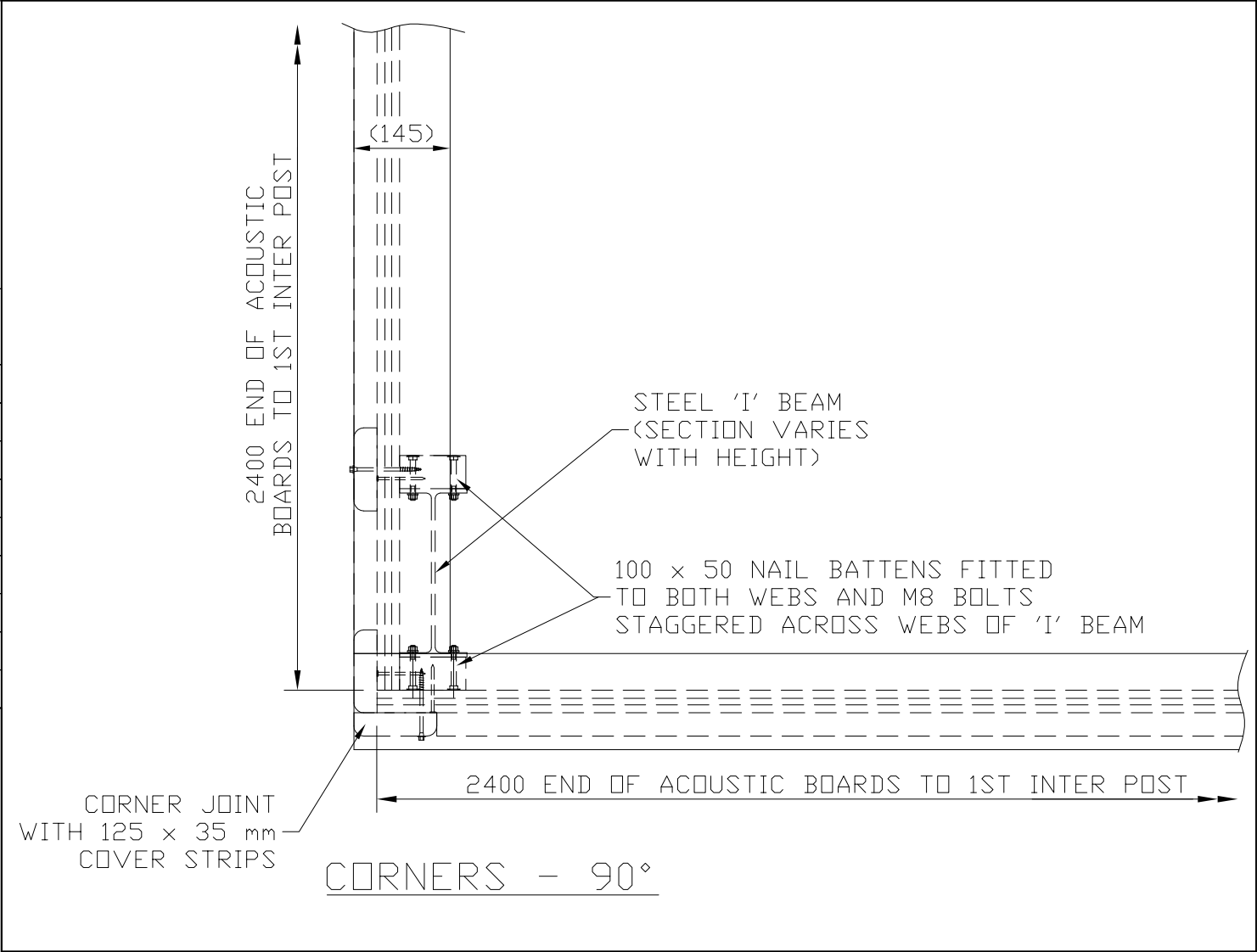
NOTES

MAT'L – STEEL POSTS
GALVANISED UNIVERSAL BEAMS
– SECTIONS VARY WITH HEIGHT (SEE TABLE BELOW)

– TIMBER
TREATED WITH 'JAKCURE' PROCESS
ACOUSTIC BOTTOM BOARD
– 146 x 34 THK (125 Nom. FACE)
ACOUSTIC T&G BOARDS
– 146 x 34 THK (125 Nom. FACE)
TIMBER BATTEN
– 100 x 50 THK SAWN FINISH
CAPPING RAIL
– 145 x 34 THK PAR
COVER STRIP
– 125 x 34 THK PAR
COUNTER RAIL
– 70 x 34 THK PAR

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STAINLESS STEEL.

NOM. HEIGHT OF FENCE	POST SECTION (SIZE)	POST LENGTH	M8 x 65 BOLTS (QTY INTERS)	M8 x 65 BOLTS (QTY CORNERS)
2000	127 x 76 x 13 UB	2800	4	8
2400	127 x 76 x 13 UB	3200	5	10
2500	127 x 76 x 13 UB	3300	6	12
2700	127 x 76 x 13 UB	3500	6	12
3000	152 x 89 x 16 UB	3800	7	14
3500	178 x 102 x 19 UB	4400	8	16
4000	178 x 102 x 19 UB	5000	9	18
4500	254 x 102 x 22 UB	5500	10	20
5000	305 x 102 x 25 UB	6000	11	22



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TITLE JAKOUSTIC HIGHWAY FENCING SYSTEM
WITH CAPPING OPTION – CORNERS

CUSTOMER
ACK No.

Drawing No.
J7/01047
Sheet 2