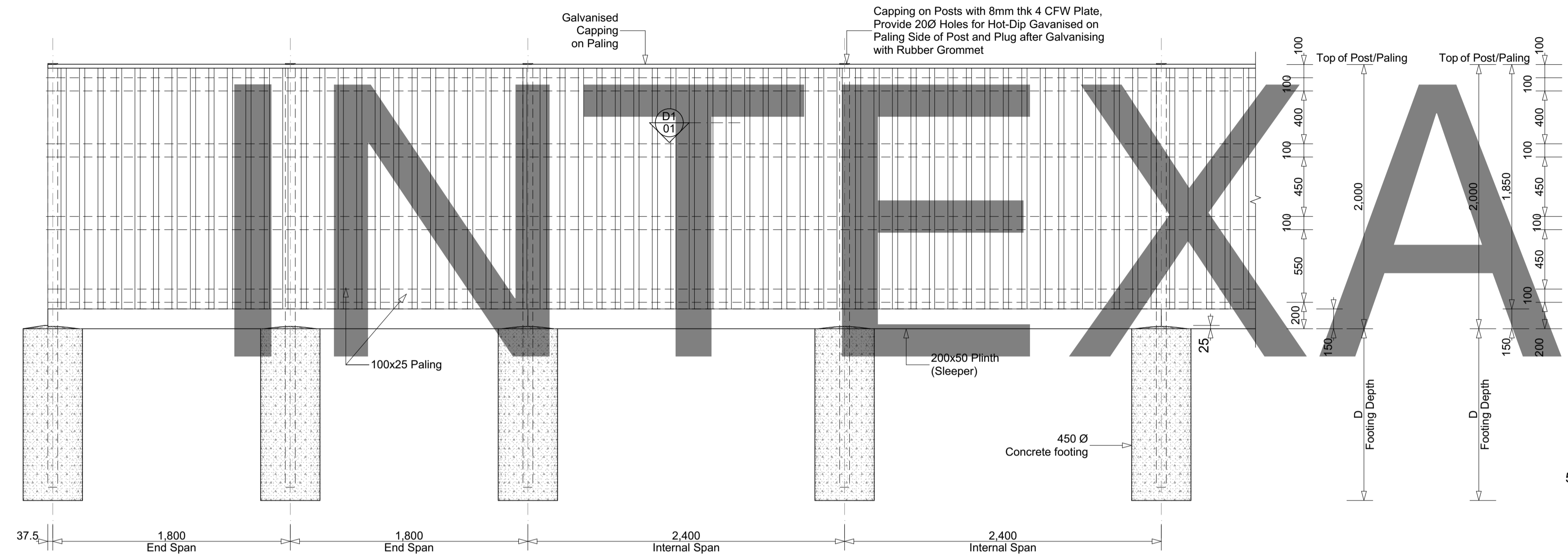
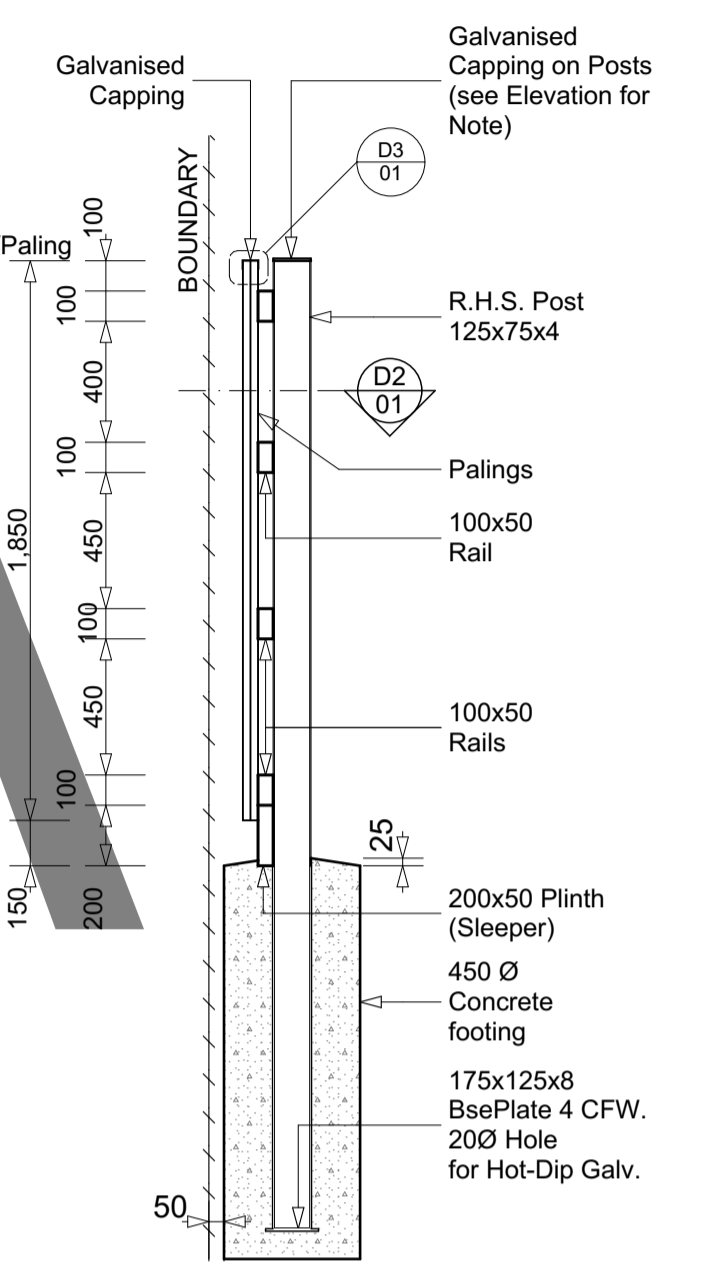


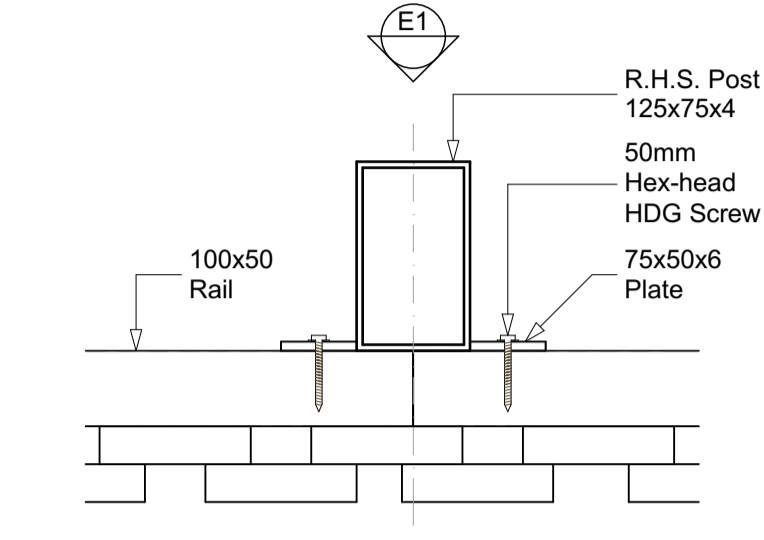
Plan



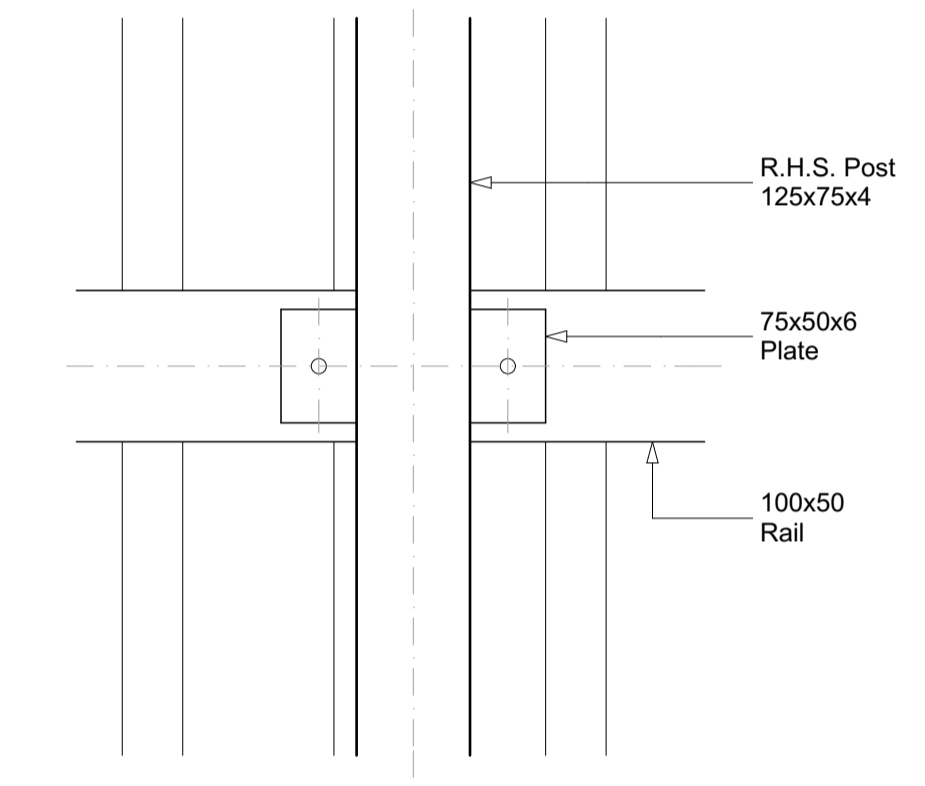
Elevation  
Fence Assembly Detail



Section 1

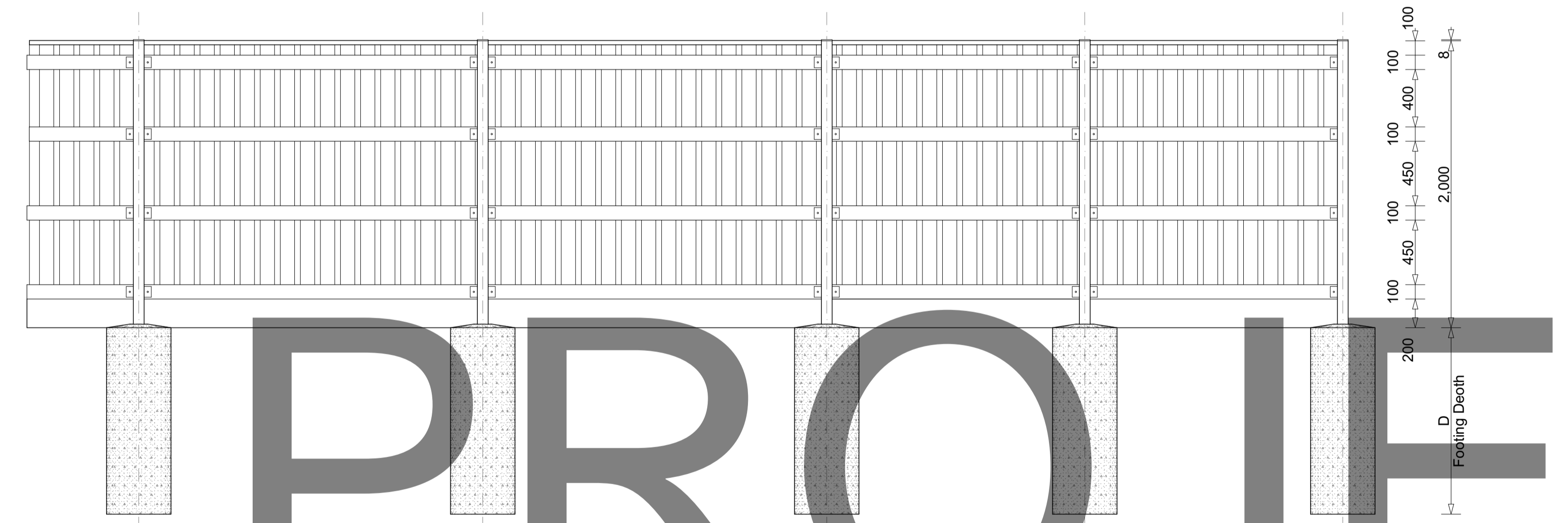


Post & Rail Connection  
Detail Plan D2

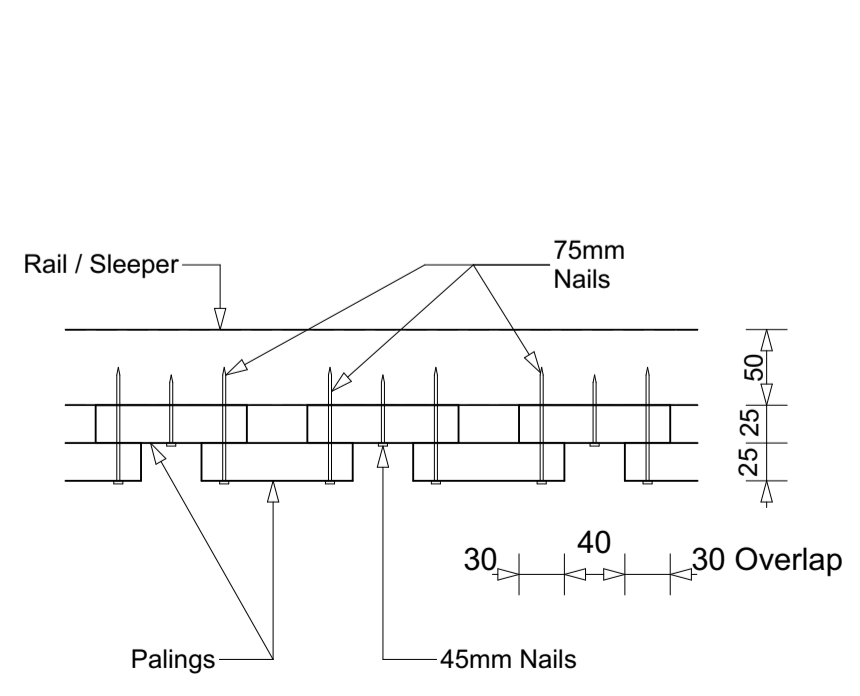


Elevation E1

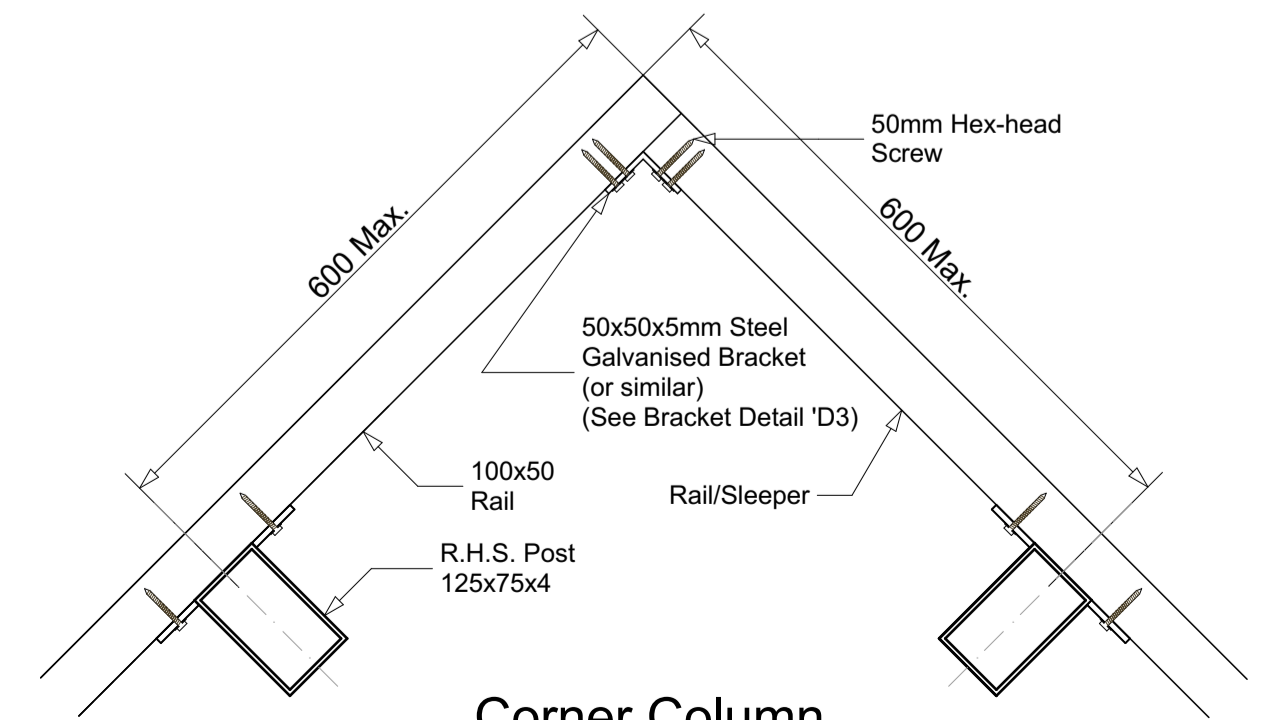
Post & Rail Connection Detail



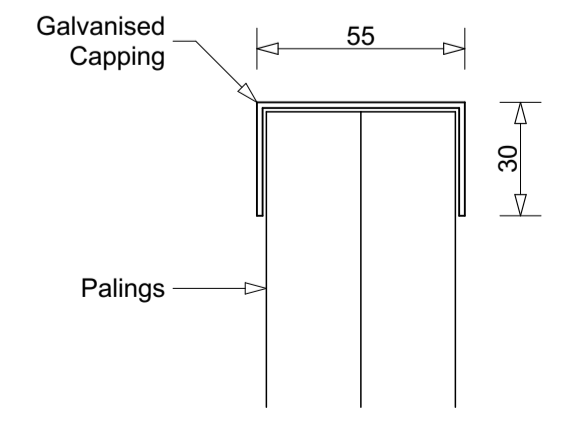
Back Elevation



Detail D1



Corner Column  
Connection Detail



Capping Detail D3

- NOTES:
- Acoustic Density – 15.6 kg/m<sup>2</sup>.
  - All dimensions shown are in millimetres (mm) unless specified otherwise.
  - All details should be checked and certified by a RPEQ prior to use of the drawing for design and/or construction. Intexa Projects does not take any responsibility otherwise.
  - All free ends of the fence should have two 1800mm spans, to provide extra support.

AMENDMENTS

No.	Description	Date	By
A	Design		

SUPPLIER

**INTEXA PROJECTS**

Transforming Outdoor Spaces

Phone: 1300 593 104  
 Email: sales@intexa.com.au  
 Website: www.intexa.com.au  
 ABN: 78 736 473 716  
 QBCC Licence: 1309293

CLIENT

PROJECT

DRAWING

**STRUCTURAL DETAIL**

PRODUCT

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NOTE: Prior to commencing Construction verify all dimensions against Architect's, other Consultant's and Sub-Contractor's drawings. Dimensions are not to be scaled or read electronically from this drawing. Setout dimensions, unless specifically shown, are to be obtained from the Architect's or other Consultant's drawings.

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Drawn	Designed	Checked

STRUCTURAL DESIGN CERTIFICATE

DESIGN NOTES

Structural Detail

Fence Height (mm)	Panel spans (mm)	Retaining height (mm)	Post Size (mm)	Footing Depth (mm)	Footing Dia. (mm)
2000	2400 internal 2x 1800 ends	0	R.H.S. HDG 125x75x4	XXXX	450

Materials

<b>Posts</b>	* R.H.S. HDG 125x75x4mm
<b>Fencing</b>	* Rails – 100x50mm pine, CCA treated to H5 * Palings – 100x25mm pine, CCA treated to H5 * Capping – 1.25mm Galvanised metal * Plinth – 200x50mm pine, CCA treated to H5
<b>Fasteners</b>	* Bottom skin of palings – 45mm HDG nail * Top skin of palings – 75mm HDG nail * Rails - 50mm hex head HDG screw * Corners - 50x50x40x5mm HDG steel bracket with 50mm hex head HDG screw
<b>Concrete</b>	* 25 MPA

Date:

Scale at A1: Drawing Status

Not To Scale **Design**

Job No: AF-BSD-01

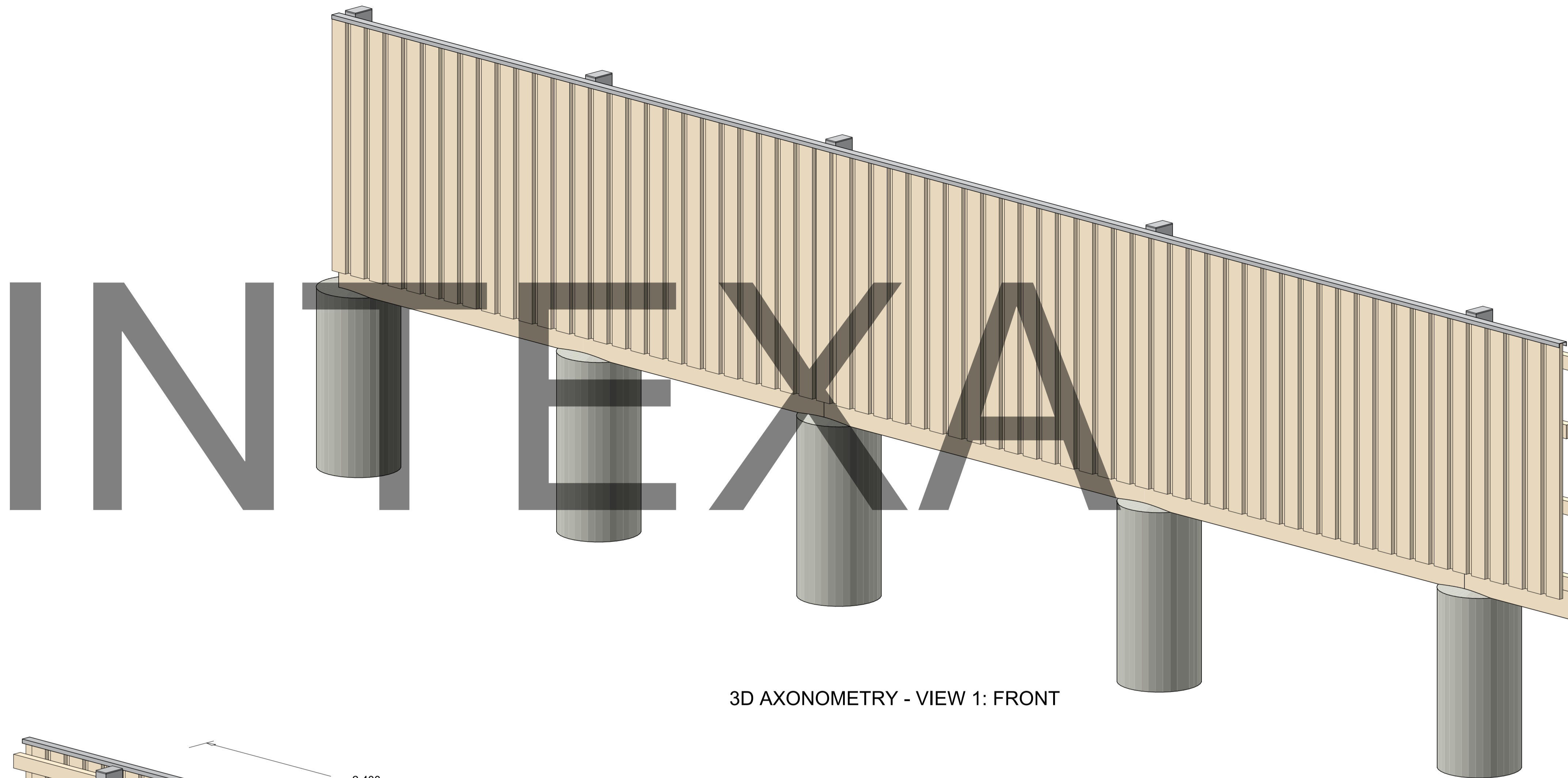
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Drawing No: AF-BSD-01.01

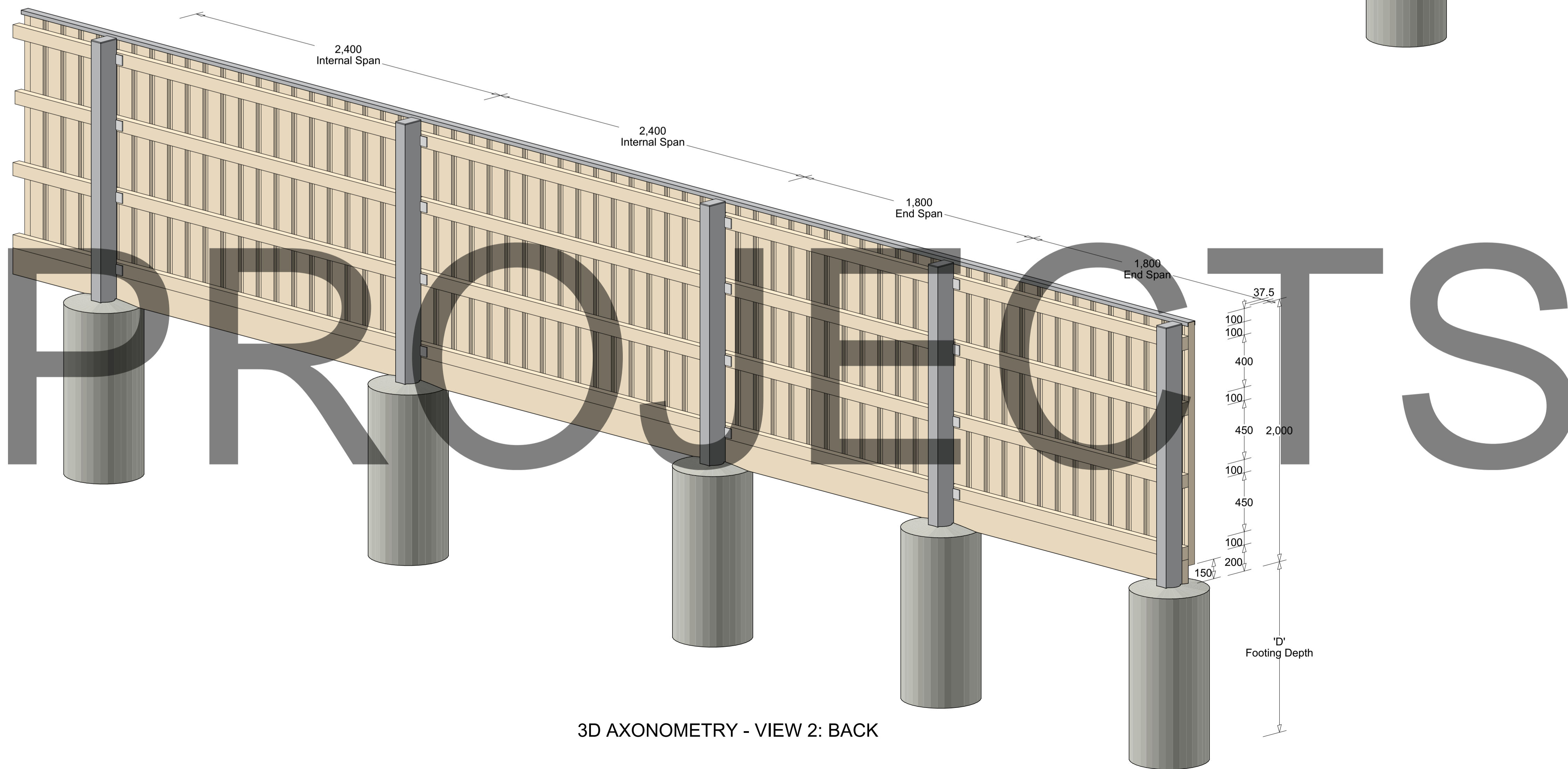
Sheet No.: 1 of 2

Issue: A

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11



3D AXONOMETRY - VIEW 1: FRONT



3D AXONOMETRY - VIEW 2: BACK

AMENDMENTS		
No.	Description	Date By
A	Design	

SUPPLIER

**INTEXA**  
PROJECTS

Transforming Outdoor Spaces

Phone: 1300 593 104  
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CLIENT

DRAWING

3D VIEWS

PRODUCT

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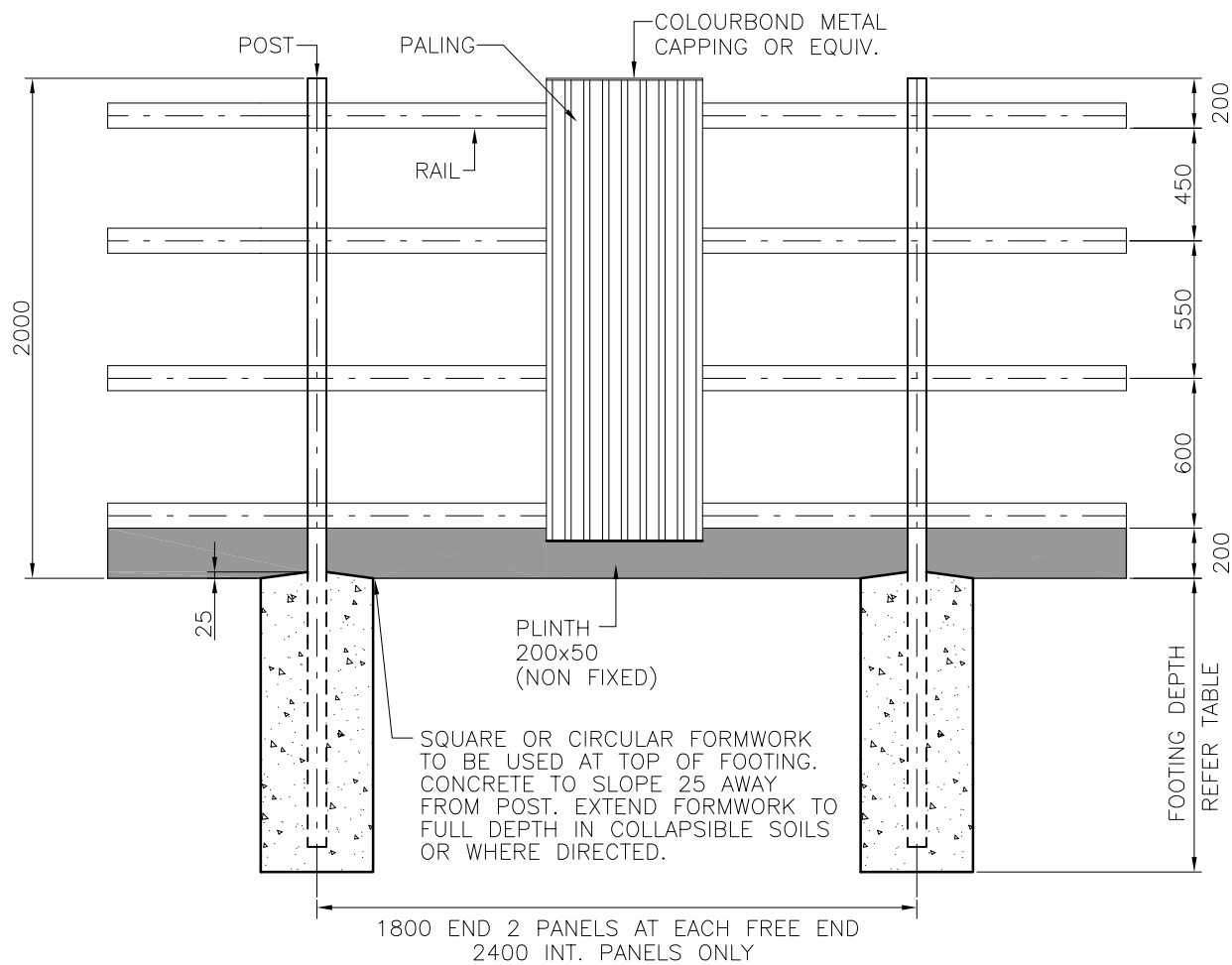
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Drawn	Designed	Checked

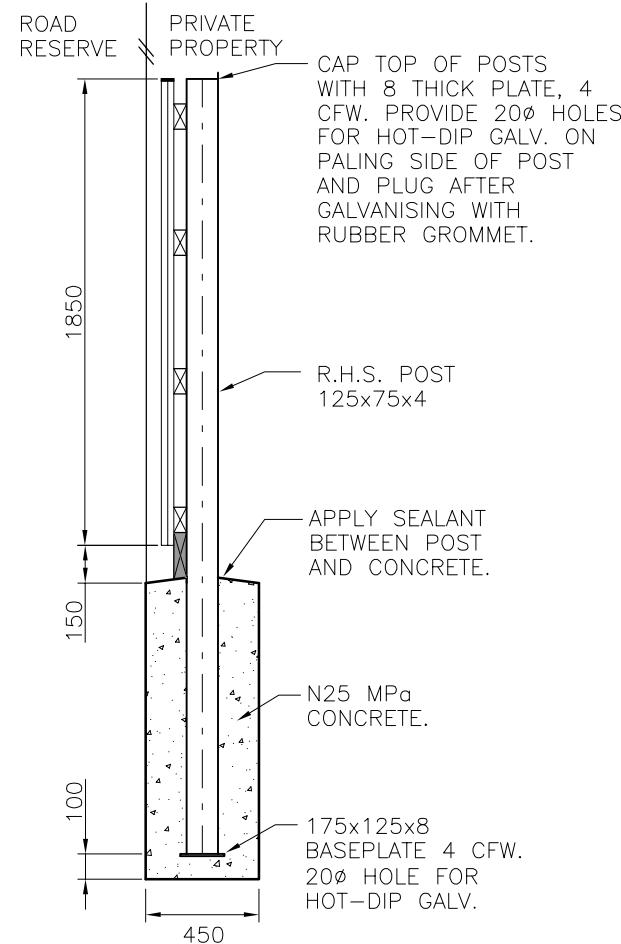
STRUCTURAL DESIGN CERTIFICATE

DESIGN NOTES

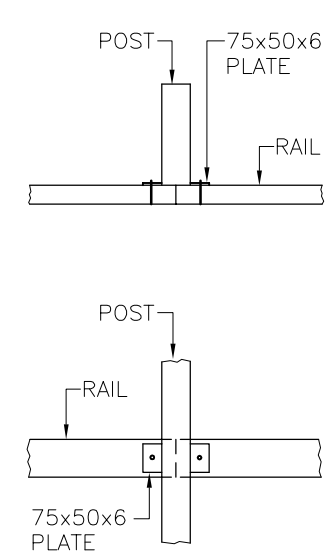
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Job No:	Date:	
AF-BSD-01	05-01-2019	
Drawing No:	Sheet No.:	Issue
AF-BSD-01.02	2 of 2	A



**ELEVATION**



**SECTION**

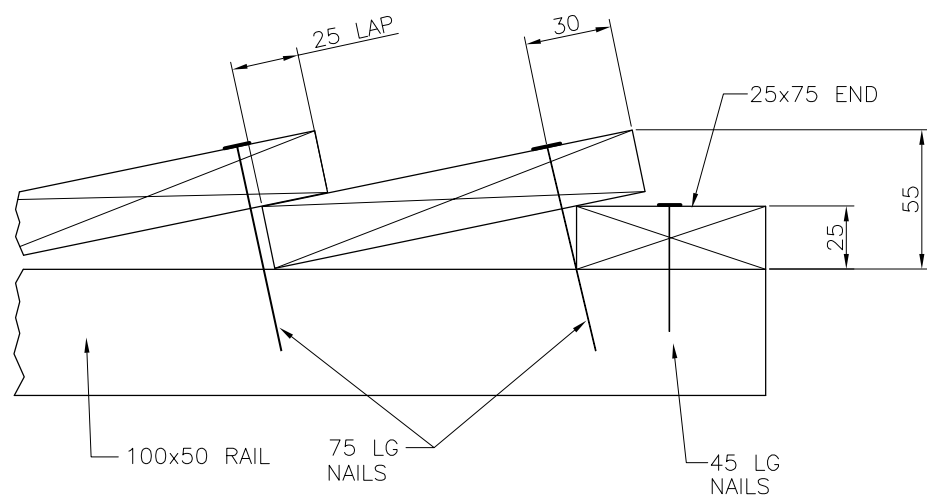


**POST & RAIL CONNECTION**

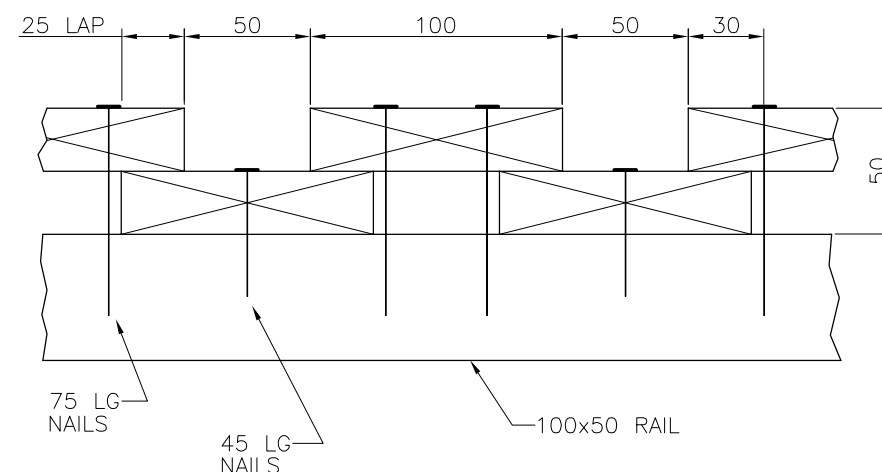
FOOTING DEPTH	
SOIL TYPE	FOOTING DEPTH
SOFT CLAY ( $C_u = 25 \text{ kPa}$ )	1600
FIRM CLAY ( $C_u = 50 \text{ kPa}$ )	1300
STIFF CLAY ( $C_u = 100 \text{ kPa}$ )	1100
MEDIUM DENSE NON-COHESIVE SOIL	1200

**NOTES:**

- THIS DRAWING DEPICTS A TYPICAL 2000 HIGH ACOUSTIC BARRIER AND DOES NOT NECESSARILY REPRESENT A NOISE ATTENUATION SOLUTION FOR ALL DEVELOPMENTS. NOISE ATTENUATION SOLUTION FOR EACH DEVELOPMENT IS SITE SPECIFIC AND SHALL BE ADDRESSED IN ACCORDANCE WITH THE "NOISE IMPACT ASSESSMENT PLANNING SCHEME POLICY" OF THE BRISBANE CITY PLAN.
- MAXIMUM PERMISSIBLE STRESS DESIGN WIND VELOCITY IS 33m/s (W33) WHICH CORRESPONDS TO A SUBURBAN ENVIRONMENT WITH NO EXPOSURE TO OPEN AREAS AND NOT LOCATED IN CLOSE PROXIMITY TO HILLS, RIDGES OR ESCARPMENTS, AS THE NATURAL SURFACE 2m EITHER SIDE OF THE FENCE IS ASSUMED FLAT FOR DESIGN OF FOOTING. IF THESE CONDITIONS ARE NOT MET AN ALTERNATIVE CERTIFIED ENGINEERING DESIGN MUST BE SUBMITTED FOR APPROVAL.
- FOR NEW SUBDIVISIONS/DEVELOPMENTS, THE ENTIRE FENCE SHALL BE CONTAINED WITHIN THE PRIVATE PROPERTY AND MAINTAINED BY THE PROPERTY OWNER.
- ALL PALINGS, RAILS AND PLINTH SHALL BE C.C.A TREATED PINE TO H5 LEVEL IN ACCORDANCE WITH AS 1604.
- ALL FIXINGS SHALL BE HOT-DIP GALVANISED OR EQUIVALENT.
- CAPPING: COLOURBOND METAL, 30 DEEP WITH OVERFOLDED EDGES FIX WITH No.10 x 12 LONG GALV. TYPE 17 SCREWS AT 300 CRS AND STAGGERED EACH SIDE. CAPPING TO FIT SNUGLY OVER PALINGS.
- PALINGS: F5 TREATED PINE. REFER PALING DETAILS FOR SIZES. NAILS SHALL BE 2.8mm HOT-DIP GALVANISED FLAT HEAD CLOUTS (OR SIMILAR GUN-DRIVEN NAILS). STAGGER NAIL PATTERN ALONG LENGTH OF PALING TO AVOID SPLITTING AND DRIVE NAILS SQUARE TO FACE OF BOARD. RING SHANK NAILS TO BE USED.
- RAILS: 100 x 50 F5 TREATED PINE. FIX WITH No.14-10 x 50 GALVANISED HEX HD TYPE 17 SCREW.
- POSTS: 125 x 75 x 4 R.H.S. HOT-DIP GALVANISED AFTER FABRICATION.
- PLINTH: 200 x 50 F5 TREATED PINE (NON FIXED).
- DIMENSIONS IN MILLIMETRES (UNO).



**SYSTEM 1 (150x25)**

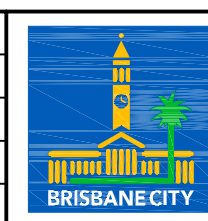


**SYSTEM 2 (100x25)**

**TREATED PINE PALING**

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	Drawing Converted from UMS Series April 2014	APR '14	APR '14	APR '14

DRAWING AUTHORISED FOR PUBLICATION B.BALL SIGNATURE ON ORIGINAL DATED 29/06/01 R.P.E.Q 3852			
DESIGN	Std Dwg Group	DATE	APRIL '01
DRAWN	CITY DESIGN	DATE	APRIL '01
CHECKED	M. STEER	DATE	MAY '01
DRAWING FILENAME	BSD-7021.dwg		
ASSOCIATED PLANS	SUPERSEDES UMS-245		
ASSET ENGINEERING MANAGER STRATEGIC ASSET MANAGEMENT DESIGN APPROVED B.HANSEN SIGNATURE ON ORIGINAL DATED 27/06/01 PRINCIPAL ASSET OFFICER ROADS & DRAINAGE			



<b>BRISBANE CITY COUNCIL STANDARD DRAWING</b>	
SCALE: NOT TO SCALE	
DWG No. <b>BSD-7021</b>	
ORIGINAL SIZE: A3	REVISION: A