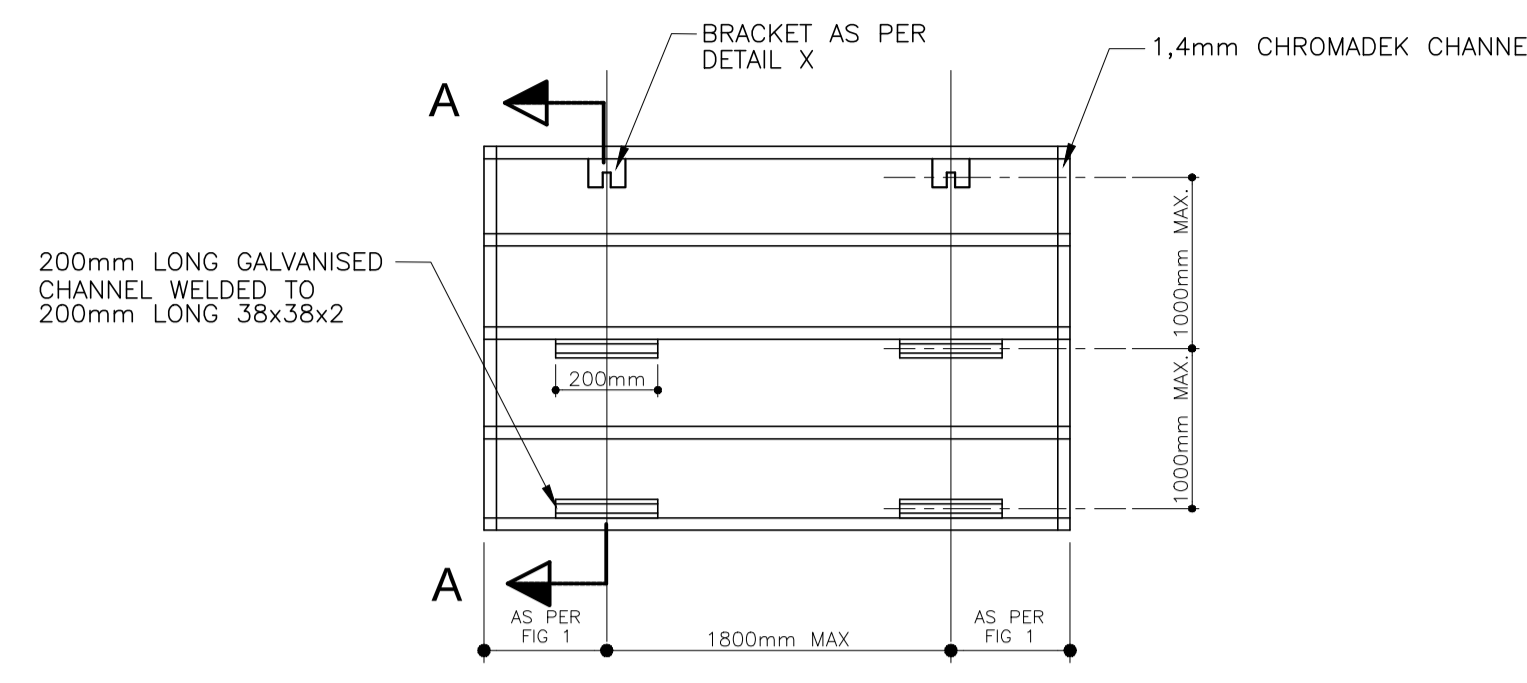
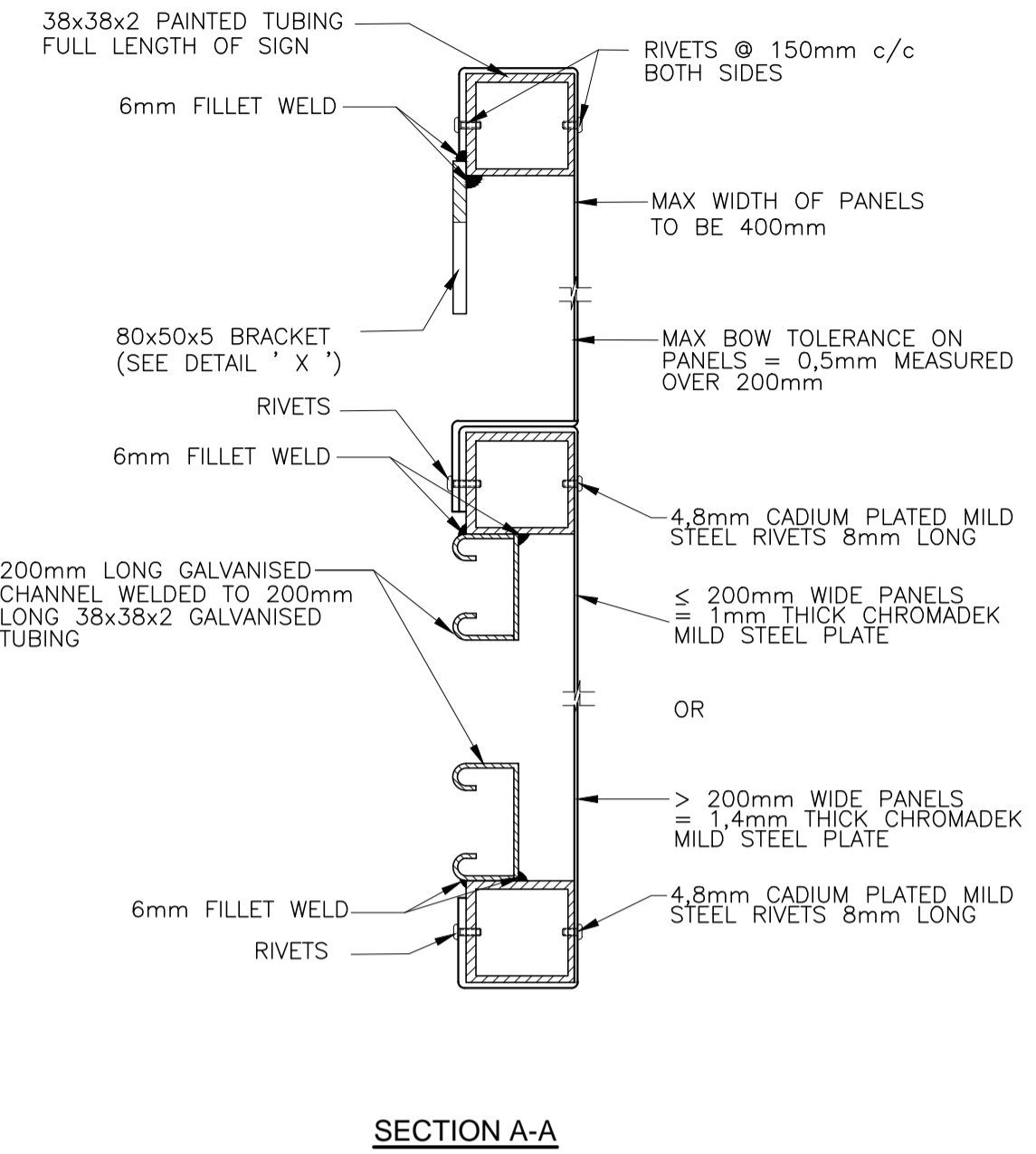


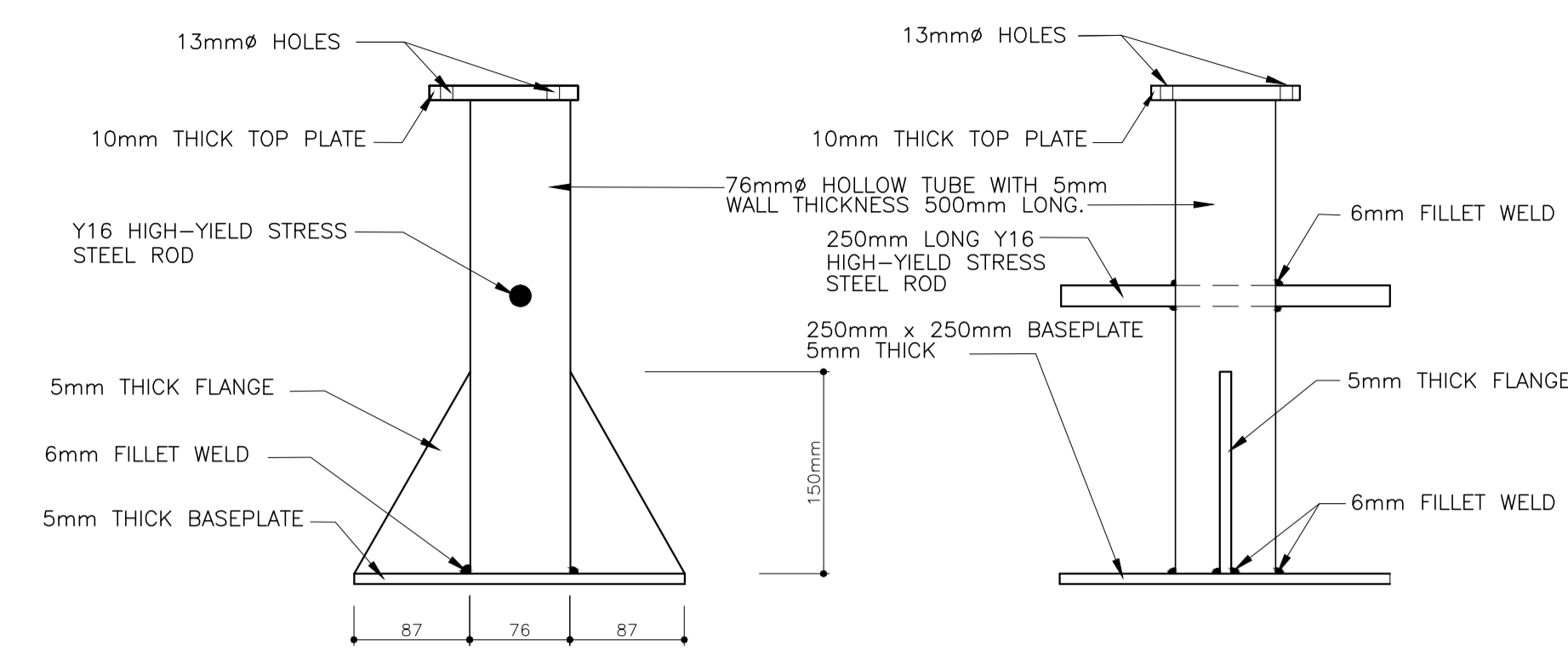
PANEL DETAIL



REFER TO NOTE 3

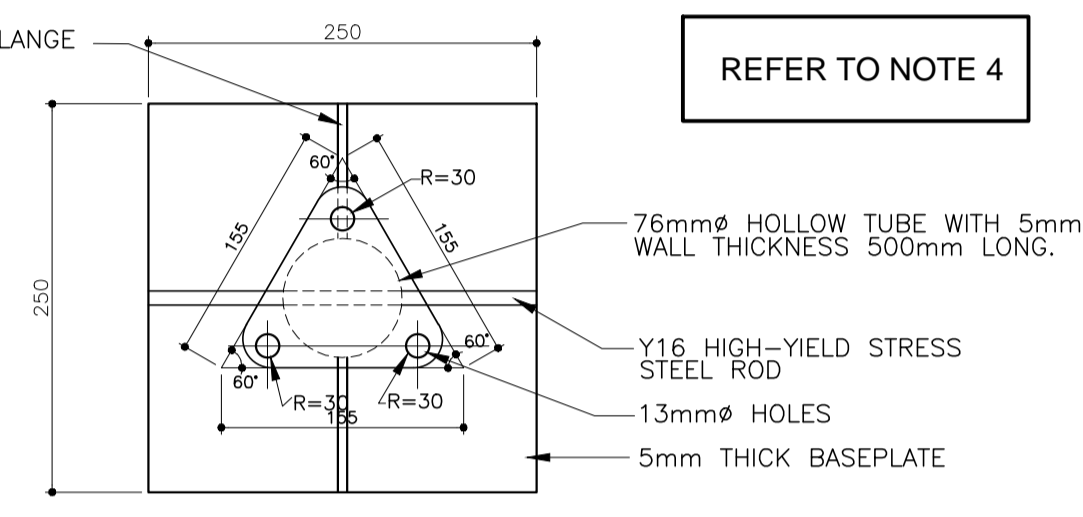
BRACKET AND CHANNEL SPACING

BREAK-AWAY POLE FOOTINGS



SIDE ELEVATION OF BREAK-AWAY POLE FOOTING

FRONT ELEVATION OF BREAK-AWAY POLE FOOTING

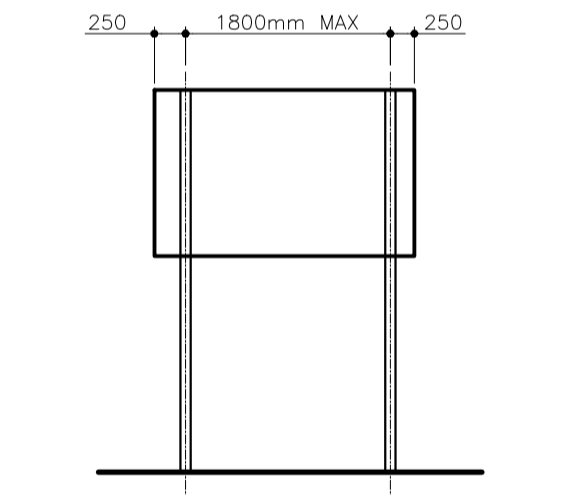


PLAN OF BREAK-AWAY POLE FOOTING

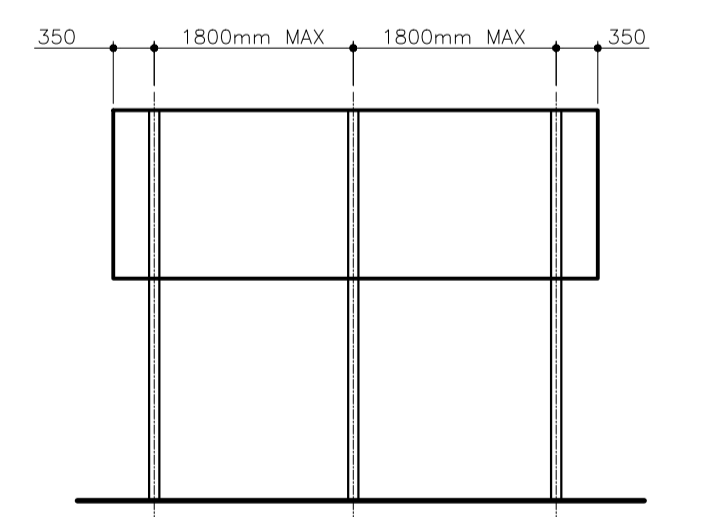
REFER TO NOTE 4

TYPICAL LOCALITY SIGN FRAME DETAIL

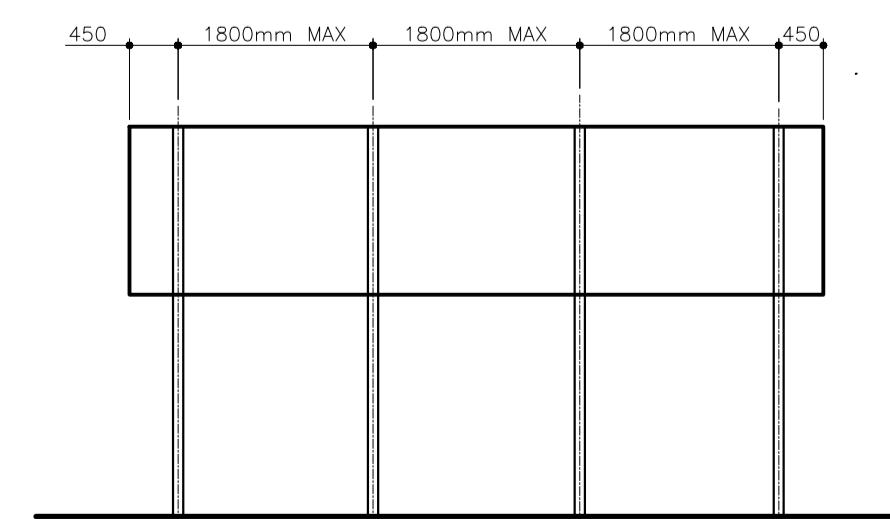
FIGURE 1 POLE SPACING DETAIL



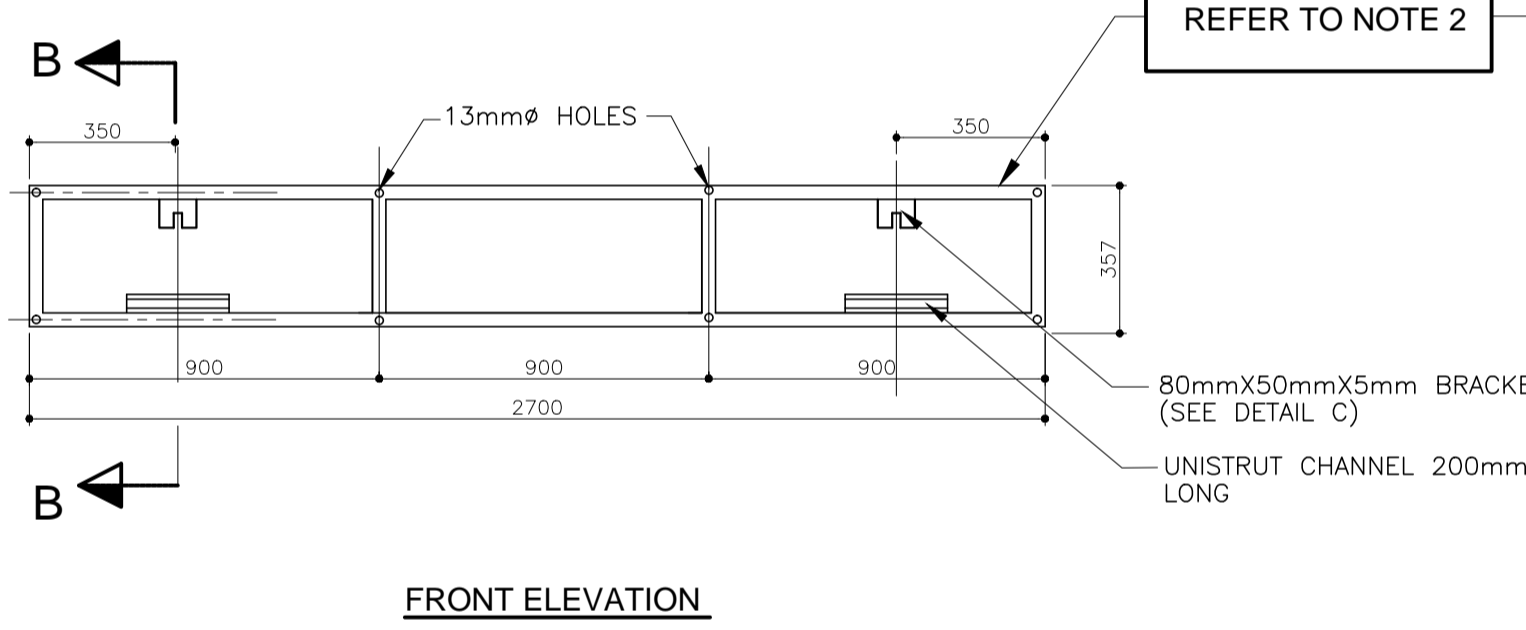
SIGNS UP TO 2300mm WIDE (2 POLES)



SIGNS FROM 2300mm TO 4300mm WIDE (3 POLES)

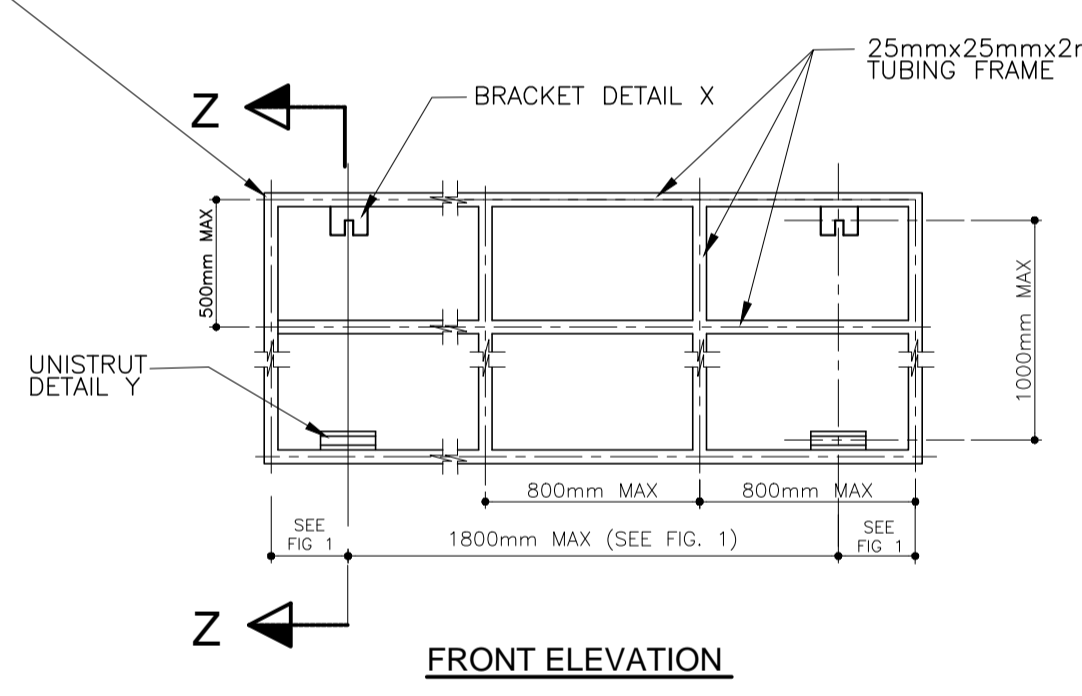


SIGNS FROM 4300mm TO 6300mm WIDE (4 POLES)

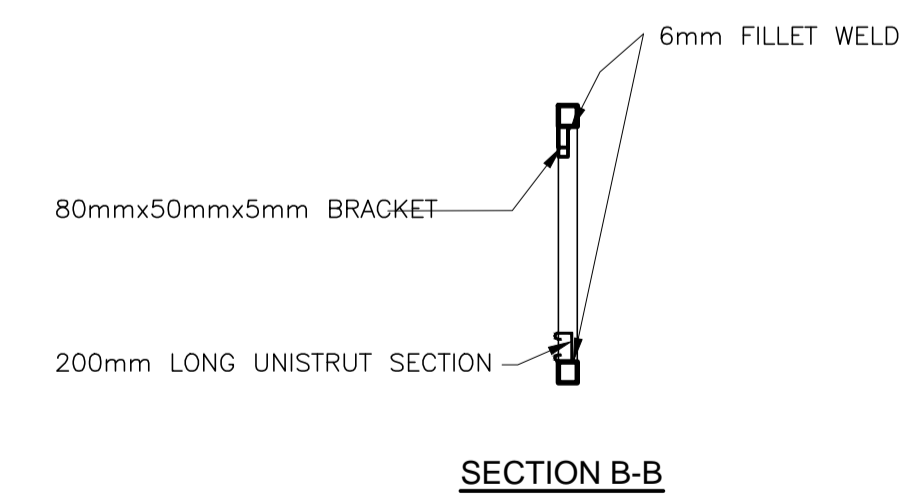


FRONT ELEVATION

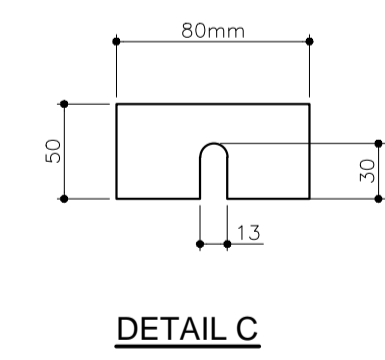
TYPICAL INFORMATION SIGN FRAME DETAIL



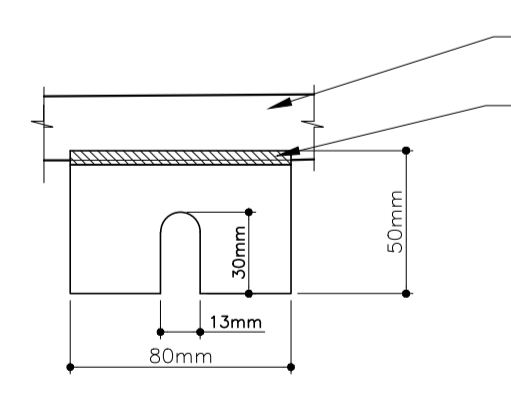
FRONT ELEVATION



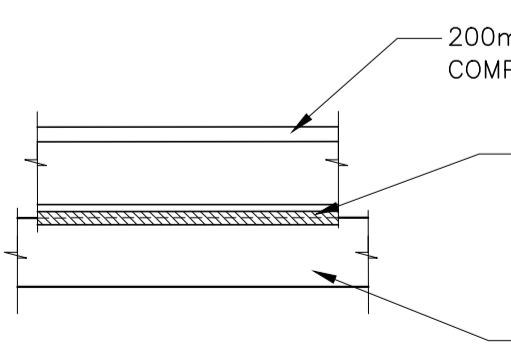
SECTION B-B



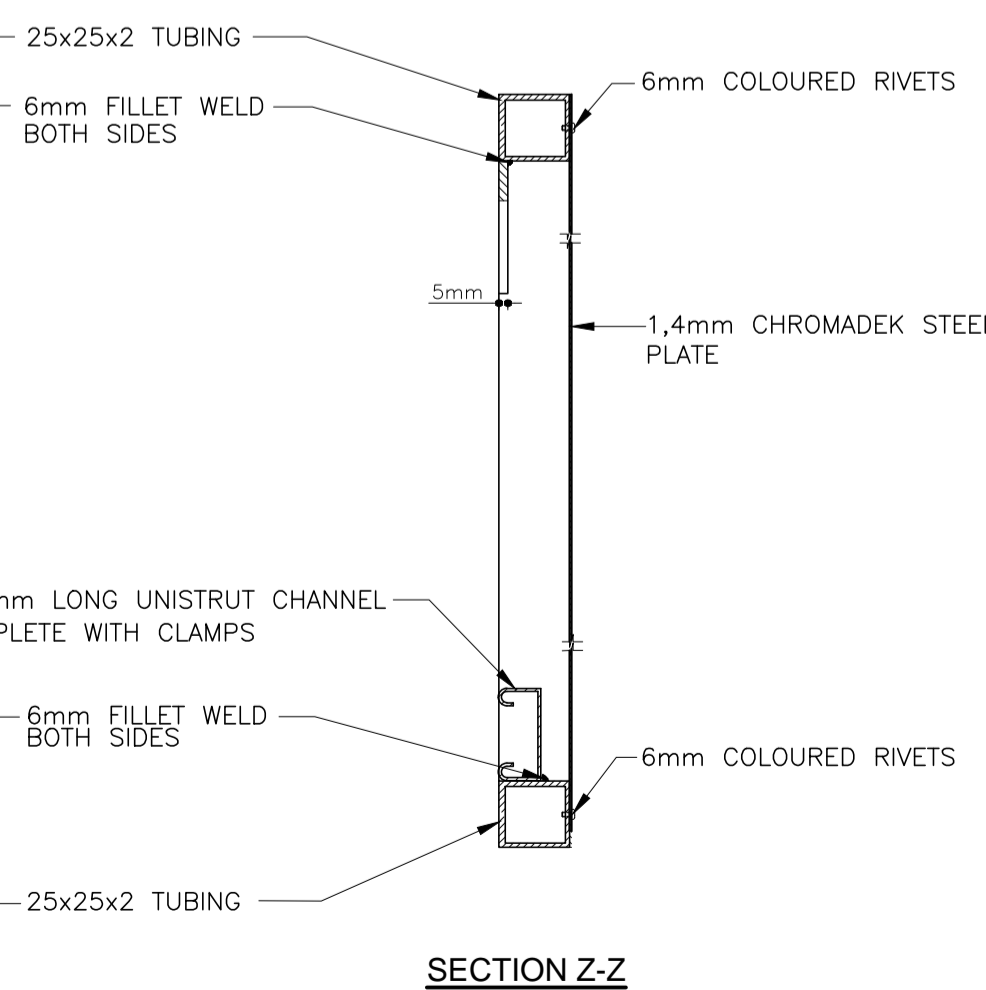
DETAIL C



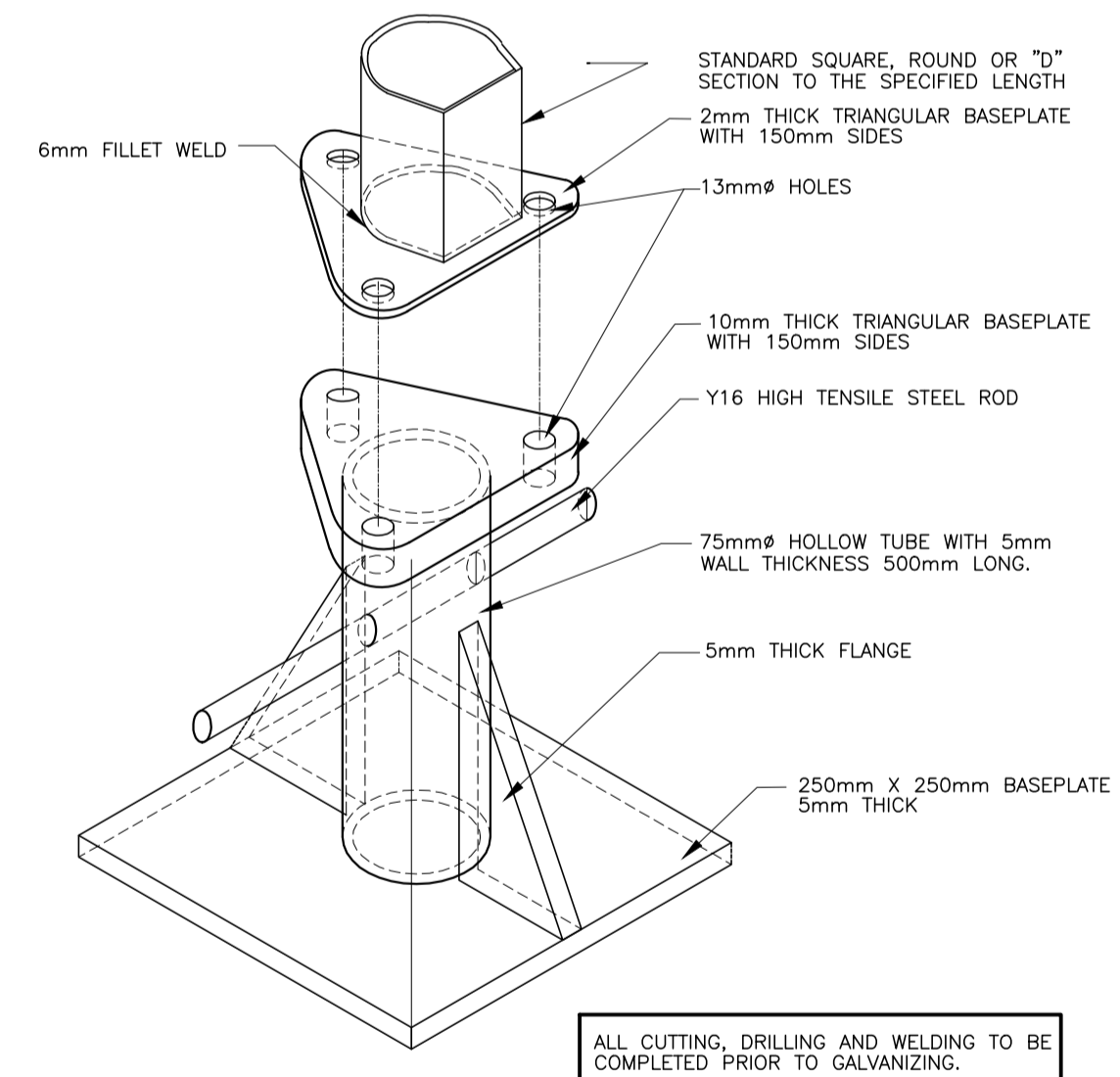
DETAIL X



DETAIL Y



SECTION Z-Z



ISOMETRIC VIEW OF BREAK-AWAY POLE FOOTING

ALL CUTTING, DRILLING AND WELDING TO BE COMPLETED PRIOR TO GALVANIZING.

NOTES AND SPECIFICATIONS

- "D" SECTION POLES
- THE POLE SHALL BE OF A "D" SECTION OBTAINED BY ROLLING FLAT MILD STEEL PLATE OF 2mm WALL THICKNESS TO THE DESIRED FORM, AND SEAM-WELDING IT ALONG THE ENTIRE LENGTH. THE D-SECTION EXTRUDE FROM STANDARD PIPE SECTION IS NOT ACCEPTABLE.
- THE D-SECTION MUST HAVE A FLAT BASE OF APPROXIMATELY 63mm MEASURED EXTERNALLY AND THE CIRCULAR PART AN EXTERNAL DIAMETER OF 76mm.
- EACH POST IS TO BE BLANKED-OFF AT THE TOP BY MEANS OF A MILD STEEL PLATE, WITH THE SAME FORM AS THE D-SECTION AND AT LEAST 2mm THICK, WELDED TO THE TOP. THE WELDING JOINT MUST BE WATERTIGHT AND SMOOTHED OFF AFTER WELDING.
- THE BASEPLATE OF 2mm THICK AND 150mm SQUARE IS TO BE WELDED TO THE BASE OF EACH POST BY MEANS OF 4 EVENLY SPACED WELOS, EACH NOT LESS THAN 20mm LONG.
- THE POST SHALL BE HOT DIPPED ZINC COATED (GALVANISED), HOLES TO BE DRILLED AS DIRECTED BY THE ENGINEER.
- FRAME DETAIL
- THE FRAME SHALL BE OF A 38mm x 38mm HOLLOW SQUARE OR 38mm Ø ROUND SECTION OF 2mm WALL THICKNESS.
- FRAMES SHALL BE PAINTED WITH 1 COAT PRIMER, 1 UNDERCOAT AND 1 FINAL COAT BRIGHT YELLOW OR GREY (AS SPECIFIED).
- HOLES TO BE DRILLED AS INDICATED ON THE DRAWING OR AS DIRECTED BY THE ENGINEER.
- ALL WELDING SHALL BE 6mm FILLET RIGHT AROUND.
- FRAME SHALL BE COMPLETE WITH A 50mm x 80mm BRACKET AS PER DETAIL C AT THE TOP OF THE FRAME AND 200mm LONG UNISTRUT SECTION AT THE BOTTOM OF THE FRAME.
- UNISTRUT TO BE SUPPLIED COMPLETE WITH CLAMPS, BOLTS, NUTS AND WASHERS.
- ALL CUTTING, WELDING AND DRILLING TO BE DONE BEFORE THE PAINTING.
- PANEL DETAIL
- ALL PANELS SHALL BE MANUFACTURED FROM 1,0mm THICK CHROMADEK MILD STEEL PLATE FOR PANELS ≤ 200mm AND 1,4mm THICK FOR PANELS > 200mm. ALL PROFILE DIMENSIONS TO BE APPROVED BY THE ENGINEER.
- A SIGN FACE WHICH EXCEEDS 6.3m IN LENGTH MAY BE MANUFACTURED IN 2 SECTIONS. THE JOINT SHALL NOT EXCEED 2mm. PANELS TO BE JOINED WITH M10 NUT WITH SPRINGNUT.
- 1,4mm CHROMADEK CHANNEL TO BE USED AT THE VERTICAL SIDES OF THE SIGN.
- BLIND RIVETS SHALL BE 4.8mm Ø CADMIUM PLATED MILD STEEL.
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS: MILD STEEL: BS 4360, GRADE 43A; OR SABS 1431, GRADE 300W.
- ALL WELDING OF STEELWORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LAID DOWN IN BS 5135.
- WELDING, CUTTING AND DRILLING SHALL BE DONE BEFORE GALVANISING.
- BREAK-AWAY POLE FOOTING
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS: MILD STEEL: BS 4360, GRADE 43A; OR SABS 1431, GRADE 300W. HIGH-YIELD STRESS STEEL: BS 4360, GRADE 50B; OR SABS 1431, GRADE 350W.
- ALL WELDING OF STEELWORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE STANDARDS LAID DOWN IN BS 5135.
- WELDING, CUTTING AND DRILLING SHALL BE DONE BEFORE GALVANISING.
- ALSO REFER TO SECTION 612 AND 809 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED J. CRONJE	DRAWN S. AUDIE
DESIGN CHECKED BY S. NAIDOO	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
CONCEPT	TENDER	APPROVED FOR DRAWING	AS BUILT DRAWING
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

PROJECT ENGINEER (CONSULTANT)	INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE

CONSULTANT DETAIL	

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT
 Mr. P. Lelutha
 STRATEGIC EXECUTIVE DIRECTOR
 P.O. BOX 1409
 PRETORIA 0001

Ms. L. V. Kegakile-Piki
 EXECUTIVE DIRECTOR
 P.O. BOX 1409
 PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
 Ms. L. V. Kegakile-Piki

TYPICAL STANDARD DETAILS

SIGN BOARDS
 LOCALITY / INFORMATION SIGNS

ROADS AND STORMWATER For Internal Approval	
DIRECTOR INFRASTRUCTURE PROVISION	SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE CONSTRUCTION PROJECT MANAGEMENT	SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE ASSET MANAGEMENT	SIGNATURE _____ DATE _____
DIRECTOR TRANSPORT INFRASTRUCTURE PLANNING	SIGNATURE _____ DATE _____
DIRECTOR INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING	SIGNATURE _____ DATE _____
DIRECTOR INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE _____ DATE _____

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