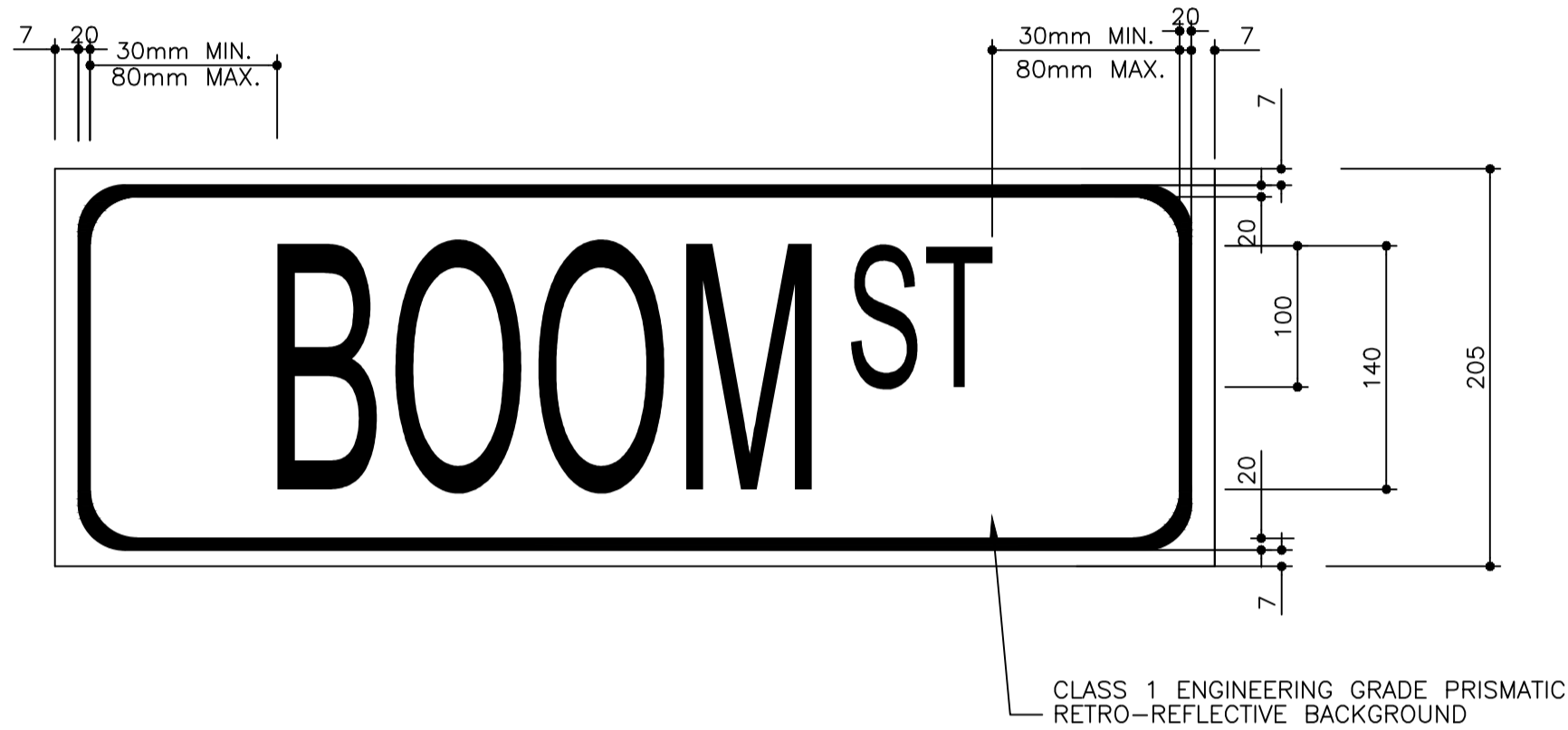
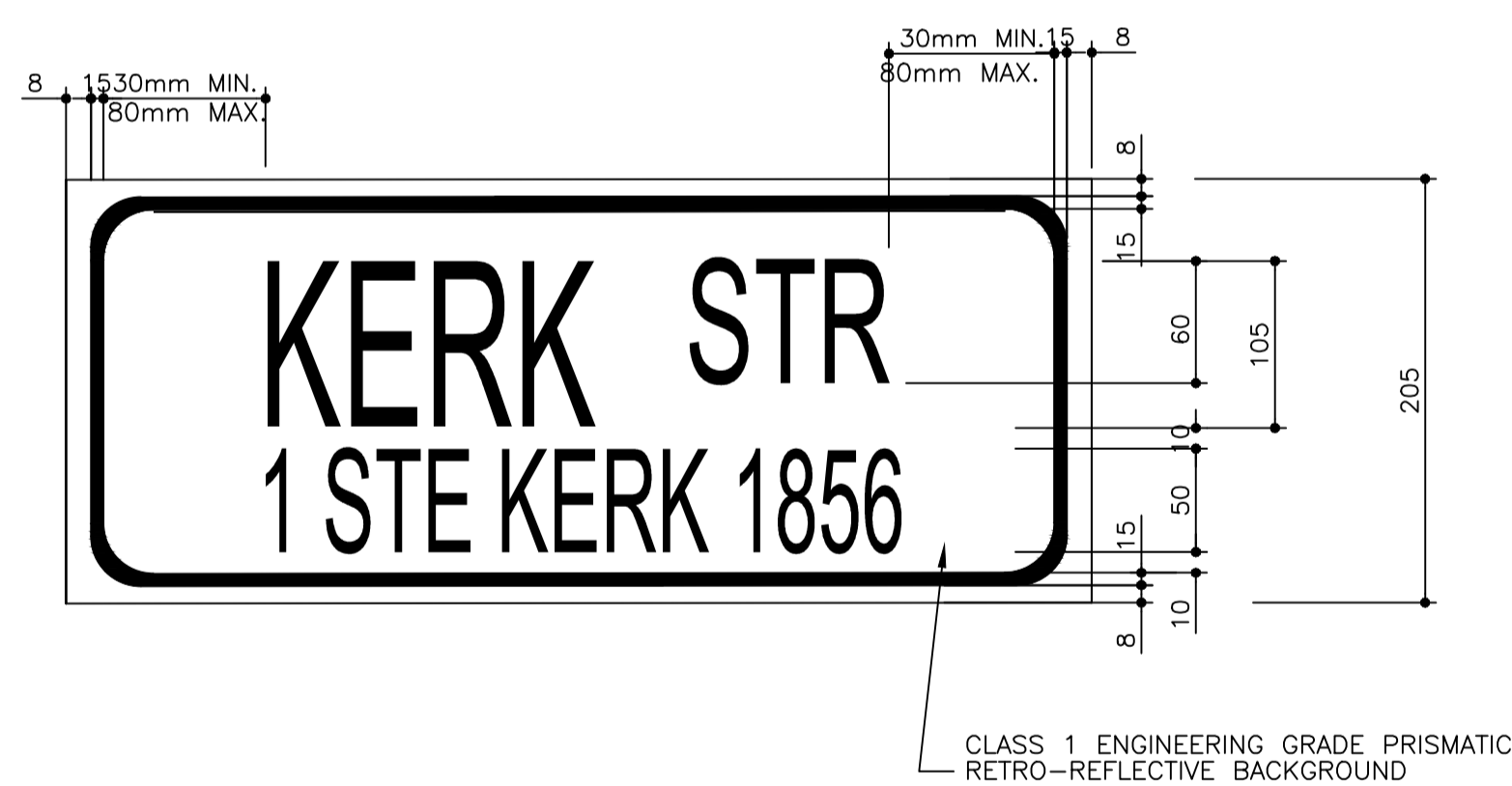


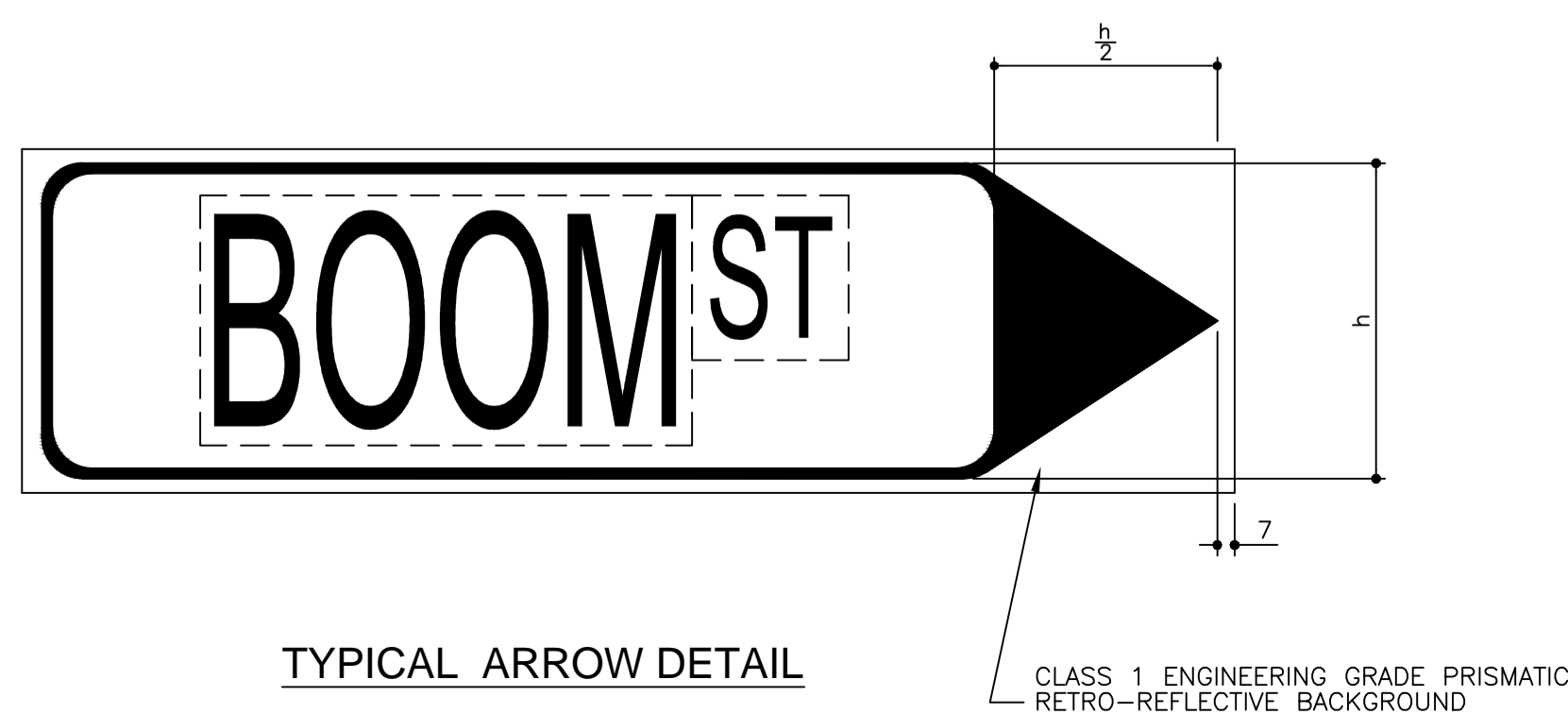
TYPICAL LAYOUT OF TYPE 1 STREET NAME LETTERING



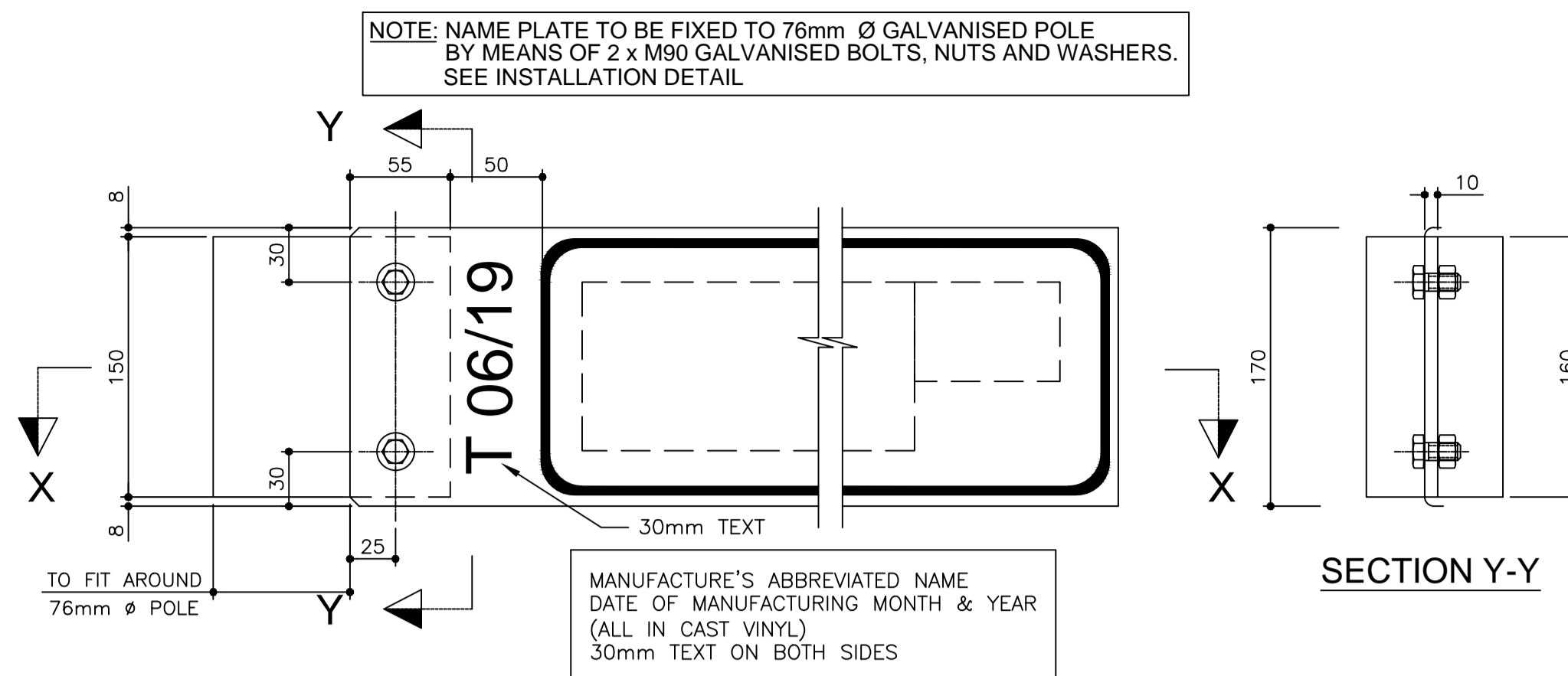
TYPICAL LAYOUT OF TYPE 2 STREET NAME LETTERING (> 60km/h)



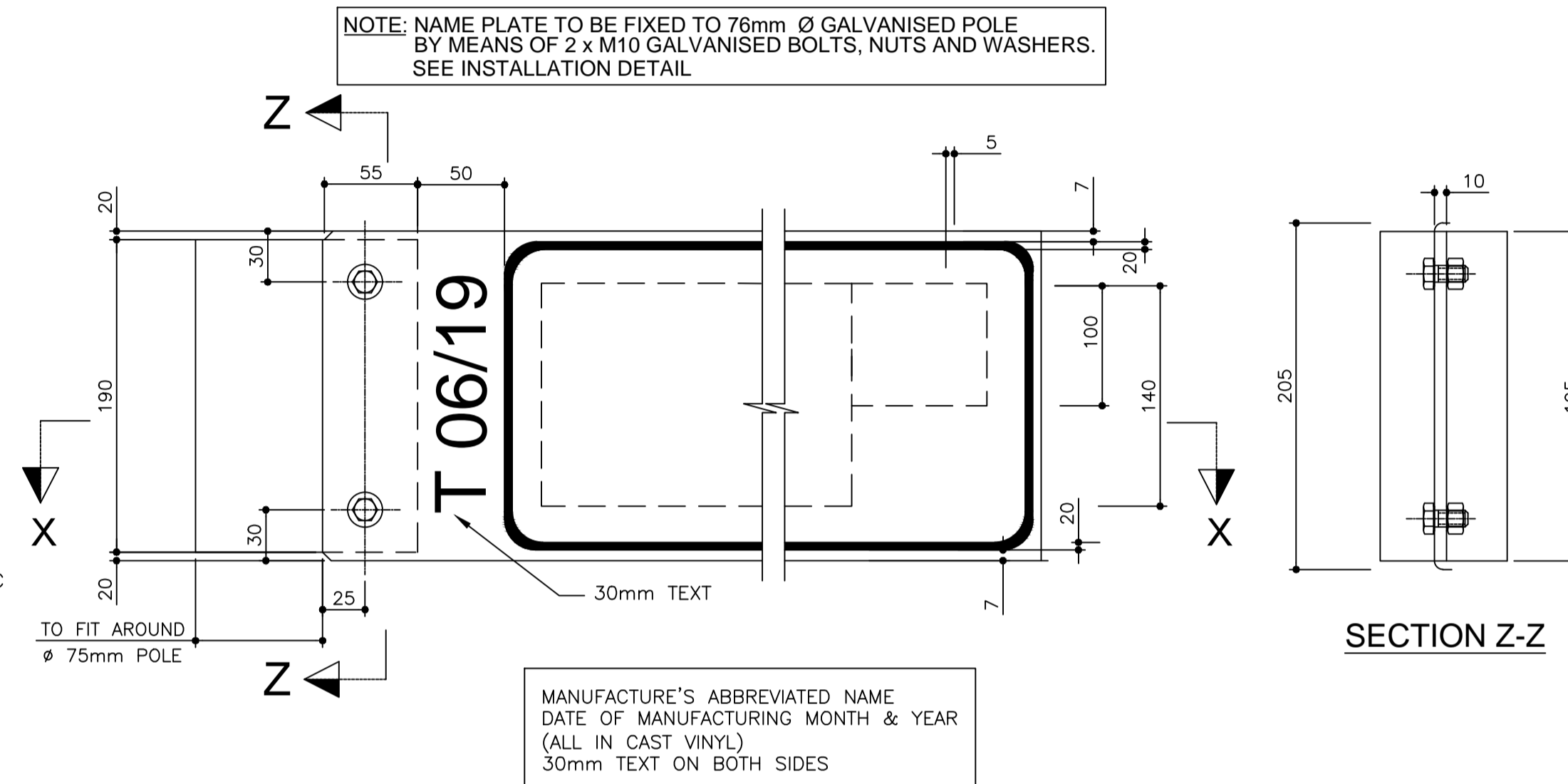
TYPICAL LAYOUT OF TYPE 3 STREET NAME LETTERING  
(Historical / Property numbering)



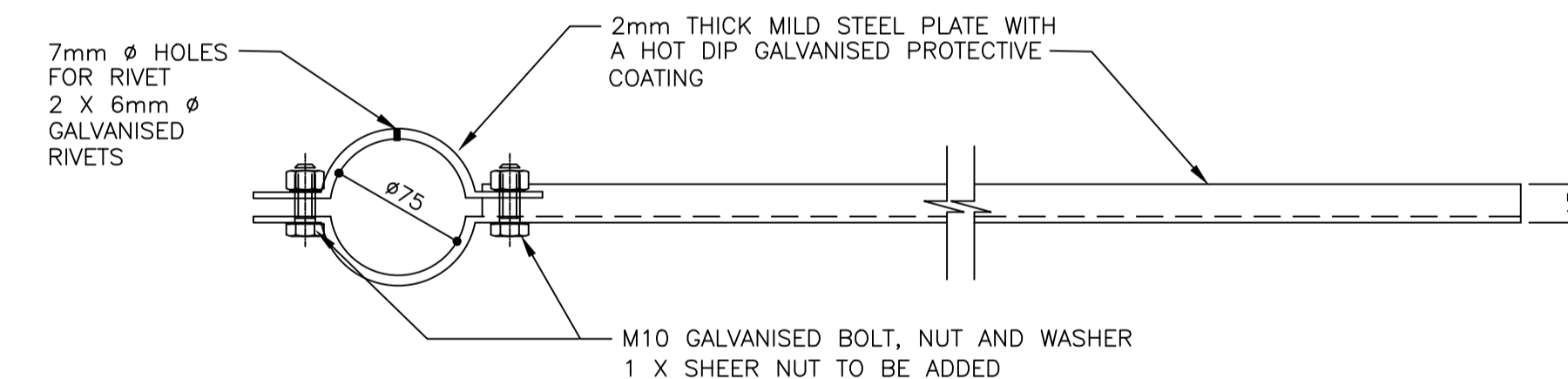
TYPICAL ARROW DETAIL



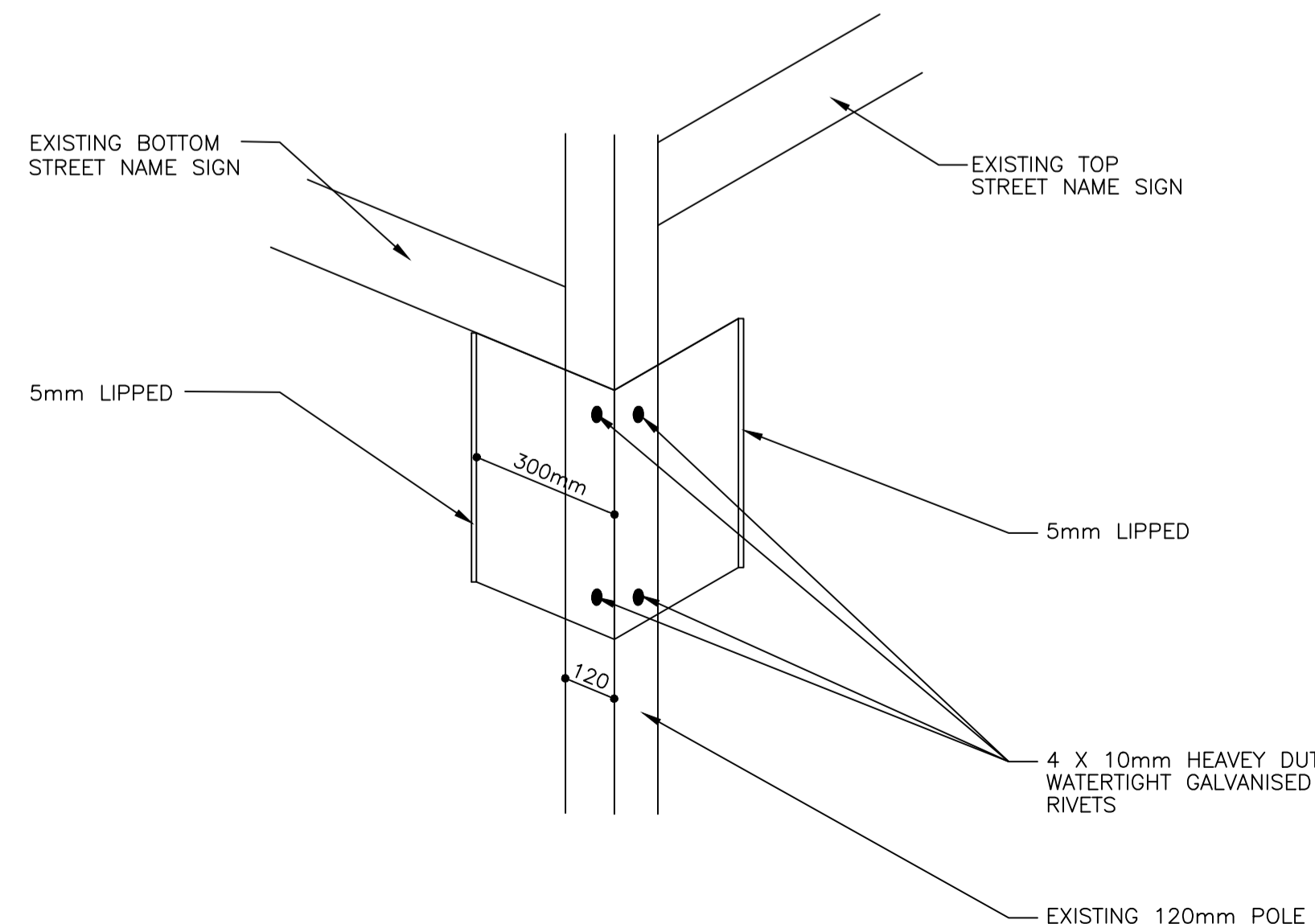
TYPICAL FRONT ELEVATION OF TYPE 1 BACKING PLATE DETAIL



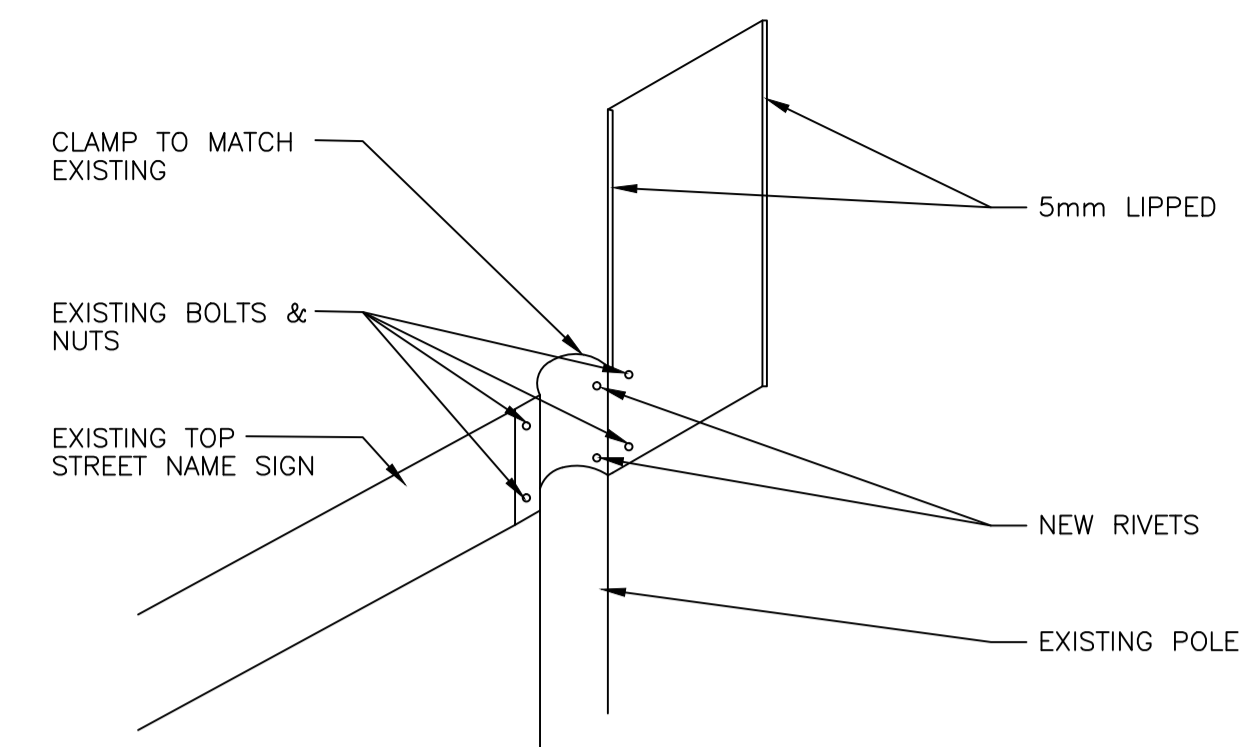
TYPICAL FRONT ELEVATION OF TYPE 2 AND 3 BACKING PLATE DETAIL



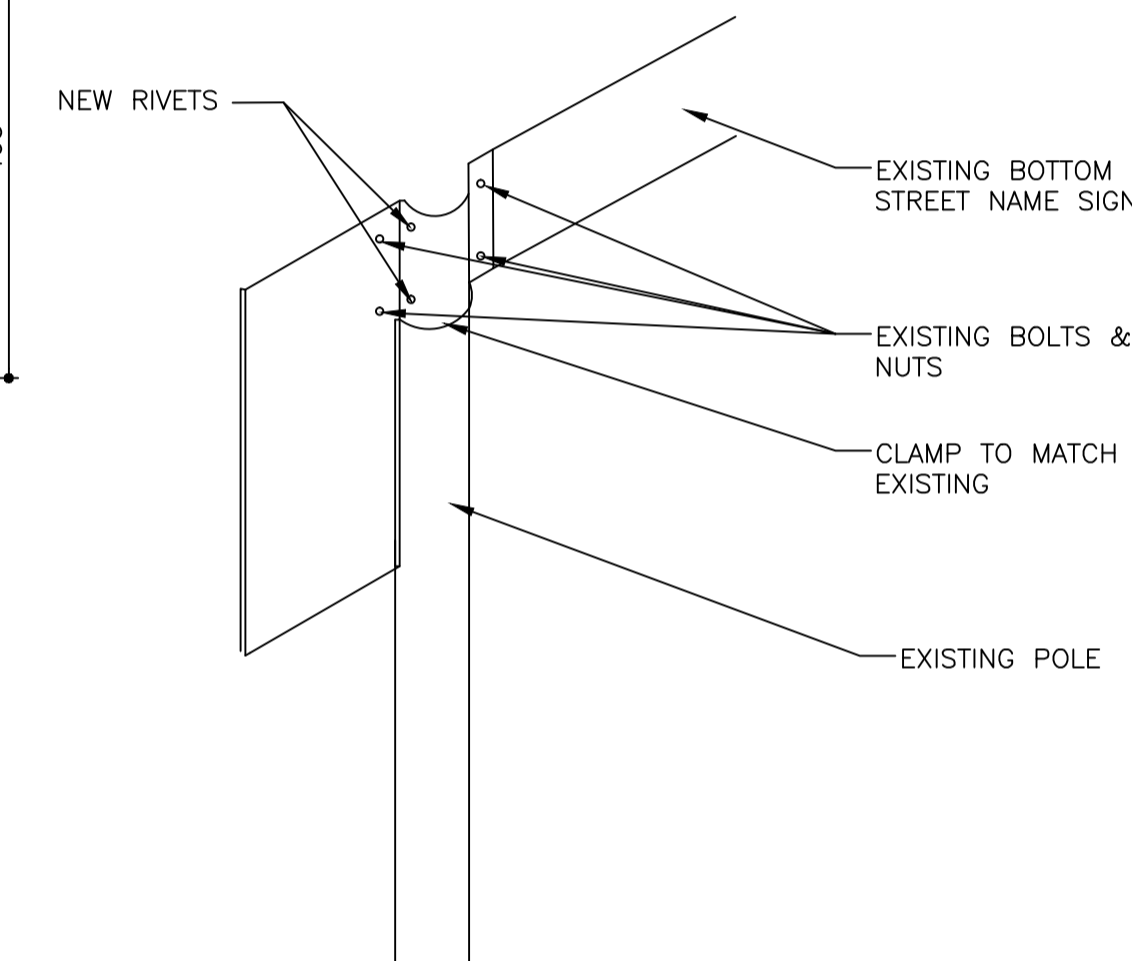
SECTION X-X (TYPE 1, 2 AND 3 BACKING PLATE DETAIL)



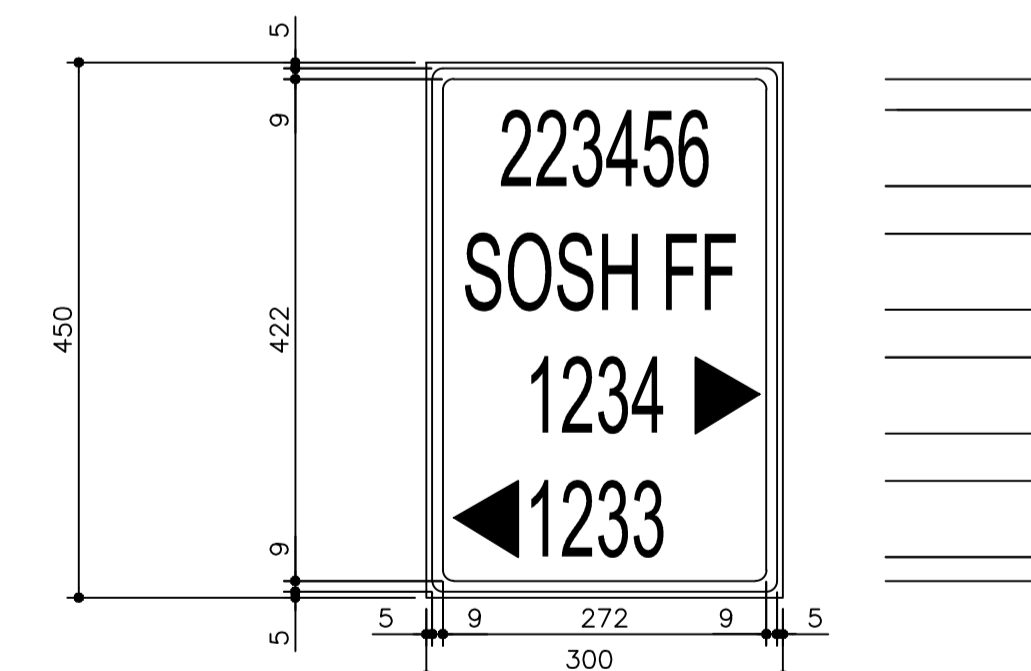
NODE ID SIGN FIXTURE TO  
"LUMINATED SIGN"



NODE ID SIGN FIXED TO TOP STREET  
NAME SIGN



NODE ID SIGN FIXED TO BOTTOM STREET  
NAME SIGN



TYPICAL NODE ID SIGN LAYOUT

NOTES AND SPECIFICATIONS

POLES AND SIGNS

- POLES
- FOR STANDARD REGULATORY AND WARNING SIGNS, POLES USED 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 POLE IS TO BE BLANKED-OFF AT THE TOP BY MEANS OF AT LEAST 2MM MILD STEEL PLATE WELDED TO THE TOP, WITH THE SAME FORM AS THE D SECTION. THE WELDING JOINT MUST BE WATERTIGHT AND SMOOTHED OFF AFTER WELDING.
- THE BASE PLATE FOR D SECTION POLES AND 76MM Ø ROUND POLES TO BE 150MM SQUARE AND 2MM THICK, AND WELDED TO THE BASE OF EACH POLE BY MEANS OF 4 EVENLY SPACED WELDS, EACH NOT LESS THAN 20MM LONG. THE BASE PLATE FOR 100MM Ø ROUND POLES TO BE 200MM SQUARE.
- THE POLES SHALL BE HOT DIPPED ZINC COATED (GALVANISED).
- ALL POLES > 3.6M IN LENGTH TO BE 100MM Ø ROUND POLES WITH 3MM WALL THICKNESS.
- POLES USED FOR SIGNS > 1.5M TO BE DESIGNED IN LINE WITH SARTSM VOLUME 2 CHAPTER 15.
- ALL POLES USED FOR STREET NAME SIGNS SHALL BE 3.6M ROUND SECTIONS AND 76MM Ø.
- SIGNS MUST BE INSTALLED ONTO BREAK AWAY FOOTINGS ON PAVED CONCRETE ISLANDS.
- HOLES TO BE DRILLED AS DIRECTED BY THE ENGINEER.
- SIGN DATE NEEDS TO BE APPLICATE TO THE FRONT OF THE POLE 50mm HIGH VINYL.
- NO JOINTING OF POLES ALLOWED.

- SIGNS
- ALL SIGNS TO BE MANUFACTURED WITH CLASS 1 ENGINEERING GRADE PRISMATIC MATERIAL HAVING A 7 YEAR WARRANTY PERIOD, WHILE ALL HAZARD MARKERS TO BE MANUFACTURED WITH CLASS 3 HIGH INTENSITY PRISMATIC MATERIAL HAVING A 10 YEAR WARRANTY PERIOD.
- ALL PANEL SIGNS TO BE CLASS 3 REFLECTIVE GROUND MOUNTED AND CLASS 4 REFLECTIVE FOR OVERHEAD SIGNS.
- ALL TEMPORARY SIGNS TO BE CLASS 3 REFLECTIVE MATERIAL.
- NO UNISTRUTS ON SIGNS ARE ALLOWED FOR 600MM R SERIES AND UP TO 900MM W SERIES SIGNS, WHILE SIGNS > 1200MM REQUIRE UNISTRUTS.
- ALL SIGN CORNERS TO BE ROUND R=25MM (EXCLUDING R1).
- ALL SIGNS TO BE FIXED FLAT AGAINST THE POLES.
- ALL VINYL TO BE CAST VINYL WITH 10 YEAR WARRANTY FOR ROAD SIGNS.
- ALL INK USED FOR SILK SCREENING MUST BE FROM THE SAME SUPPLIER AS THE REFLECTIVE MATERIAL.
- SYMBOLS FOR W16187 TO BE SILK SCREENED.
- STREET NAME FONT TO BE DIN 'A' AS PER SARTSM VOL. 4.
- TYPE 2 & 3 STREET NAMES > 1500MM REQUIRE 2 POLES AND BRACKETS.
- REFLECTIVE SHEET ONLY TO BE APPLIED ONTO THE VERTICAL SECTION OF THE STREET NAME PLATE.
- NO JOINTING OF REFLECTIVE MATERIAL ALLOWED ON SIGN FACE.
- ALL BOLTS TO HAVE WASHERS.

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

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

**CITY OF TSHWANE**  
ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD  
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PRETORIA  
0001

DIVISIONAL HEAD  
Mr Marven K Thagale  
P.O. BOX 1409  
PRETORIA  
0001

DRAWING APPROVED BY DIVISIONAL HEADS

TRANSPORT INFRASTRUCTURE DESIGN AND CONSTRUCTION DIVISIONAL HEAD  
Mr K Thagale (Marven)

TRANSPORTATION PLANNING DIVISIONAL HEAD  
Mr L. Swanspoel (Lourens)

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DRAWING APPROVED BY GROUP HEAD  
Mr Letlorikane P. (Phako)

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

TYPICAL STANDARD DETAILS

DESCRIPTION OF PROJECT

**SIGN BOARDS**  
STREET NAMES AND ID SIGNS

CONTRACT No.:	PROJECT No.:
DATE: 17 NOVEMBER 2022	SCALE: NOT TO SCALE
DRAWING NO. <b>STD018</b>	SHEET NO. 1 OF 6
ORIGINAL PAPER SIZE: A1	REVISION