

**BG**

## CITY OF SYDNEY

Tactile/Braille Signage Construction Drawings

ISSUE: 9

DATE: 25.02.15

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INSTALLED EXAMPLE

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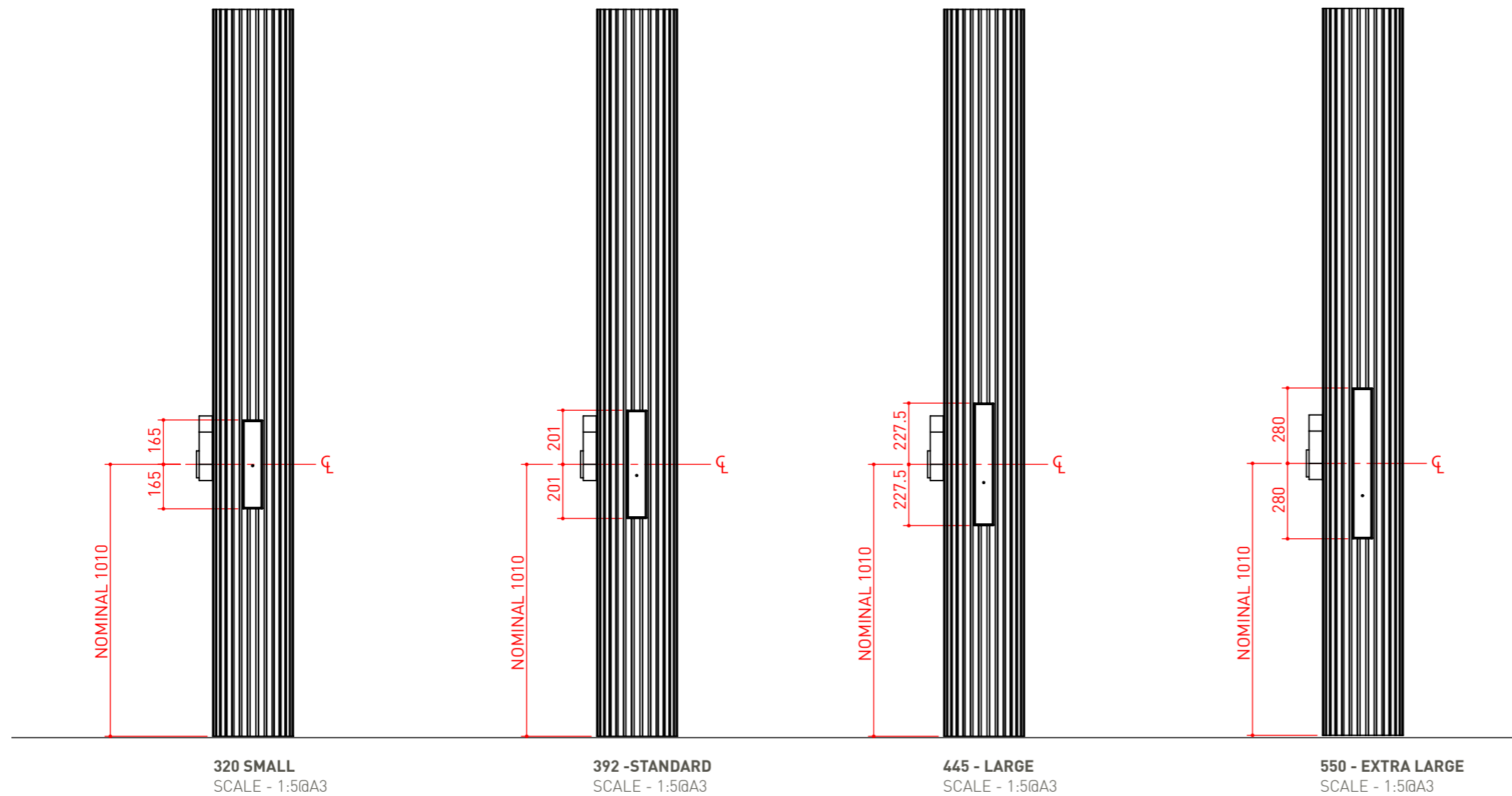
**GENERAL NOTES:**

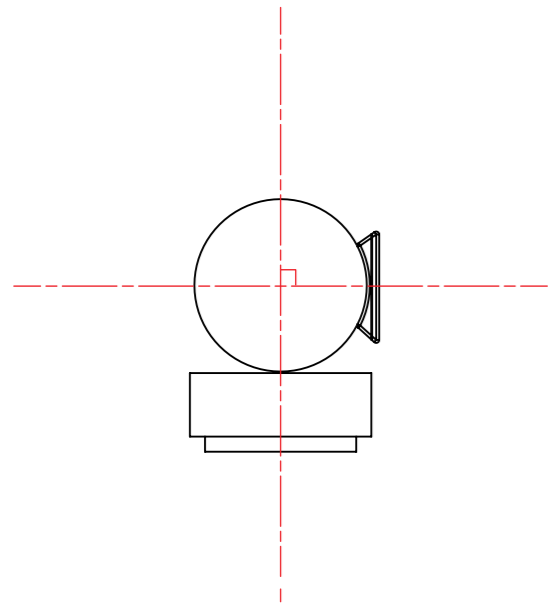
Four different sizes are required for RMS, Smart and Square pole application.

Please note that only Smart pole is shown in drawing.

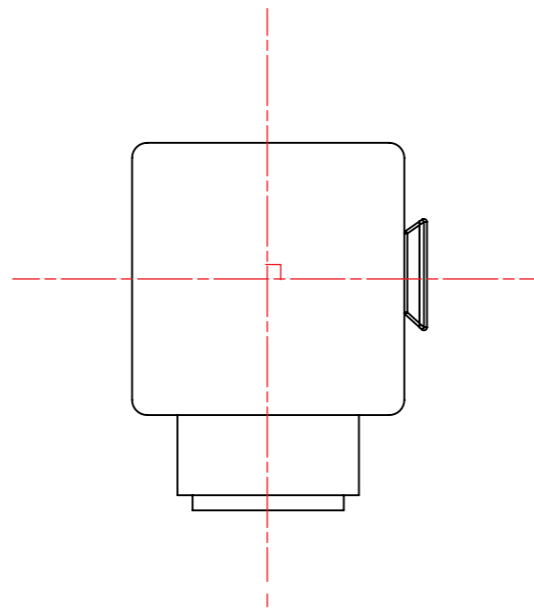
Content will define the quantity of each size variation.

Refer also to legible Sydney Design Manual for installation instructions.

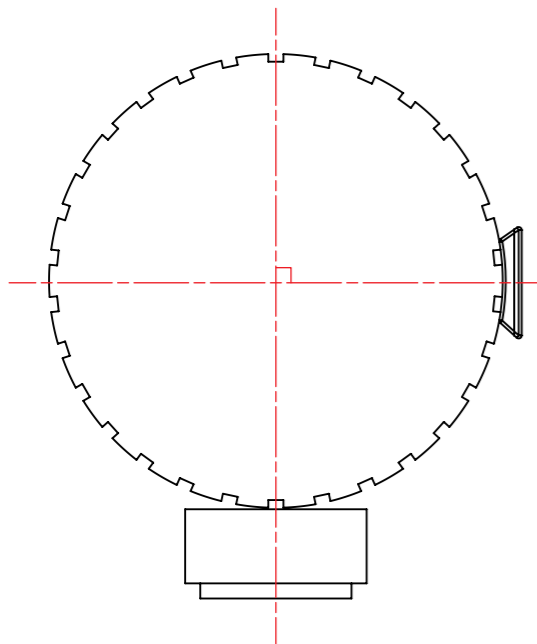




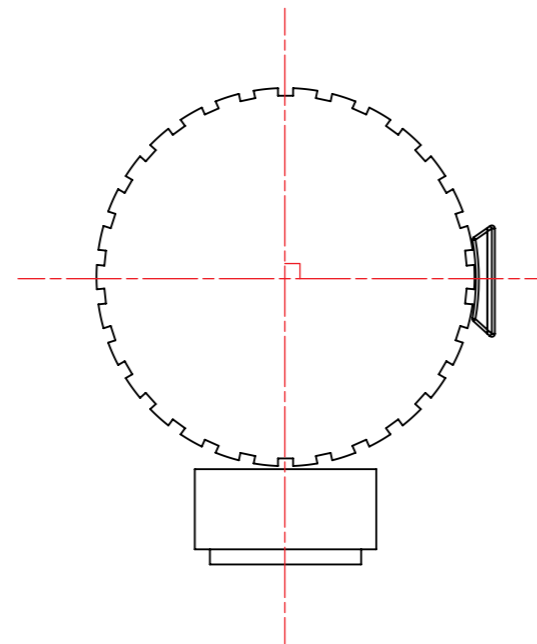
**RMS POLE**  
SCALE - 1:5@A3



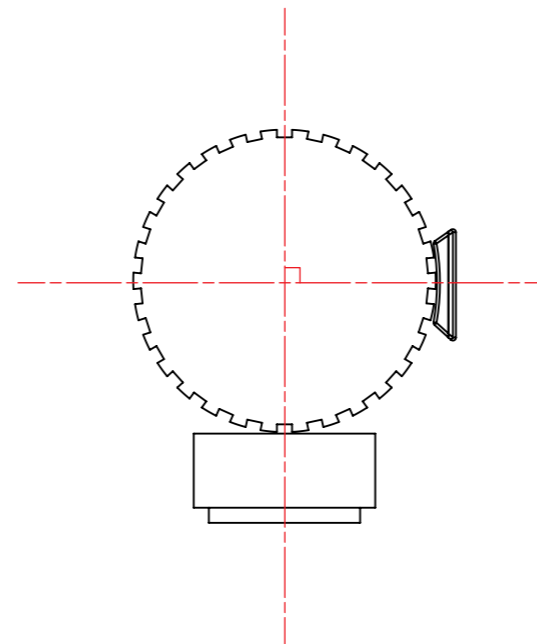
**SQUARE POLE**  
SCALE - 1:5@A3



**SMART POLE - 300**  
SCALE - 1:5@A3



**SMART POLE - 250**  
SCALE - 1:5@A3



**SMART POLE - 200**  
SCALE - 1:5@A3

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**GENERAL NOTES:**  
Casting fixed to both pole types using VHB Tape and Sikaflex-521UV.

Before adhering signs to pole the following pre treatments need carried out;

- Signs (powder coated): Scotch Brite abrasion + Sika Aktivator-205
- Poles ( , steel painted or unpainted): Sika Aktivator-205
- Castings to have different section profiles to suit different pole types.
- Each casting is to be adhered to the right hand side of the pedestrian button at 90 degrees as shown.
- Refer also to legible Sydney Design manual for installation instructions.

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Exploded view shows the assembly of a typical Tactile/Braille sign.

Precision machined resin patterns are to be used to create sand cast aluminium Braille holders to suit the different pole sections and sign lengths:

**Smart Pole** - 560mm (XL) "Extra Large", 455mm (L) "Large", 402mm (M) "Medium" and 330 mm (S) "Small"

**RMS Pole** - 560mm (XL) "Extra Large", 455mm (L) "Large", 402mm (M) "Medium" and 330 mm (S) "Small"

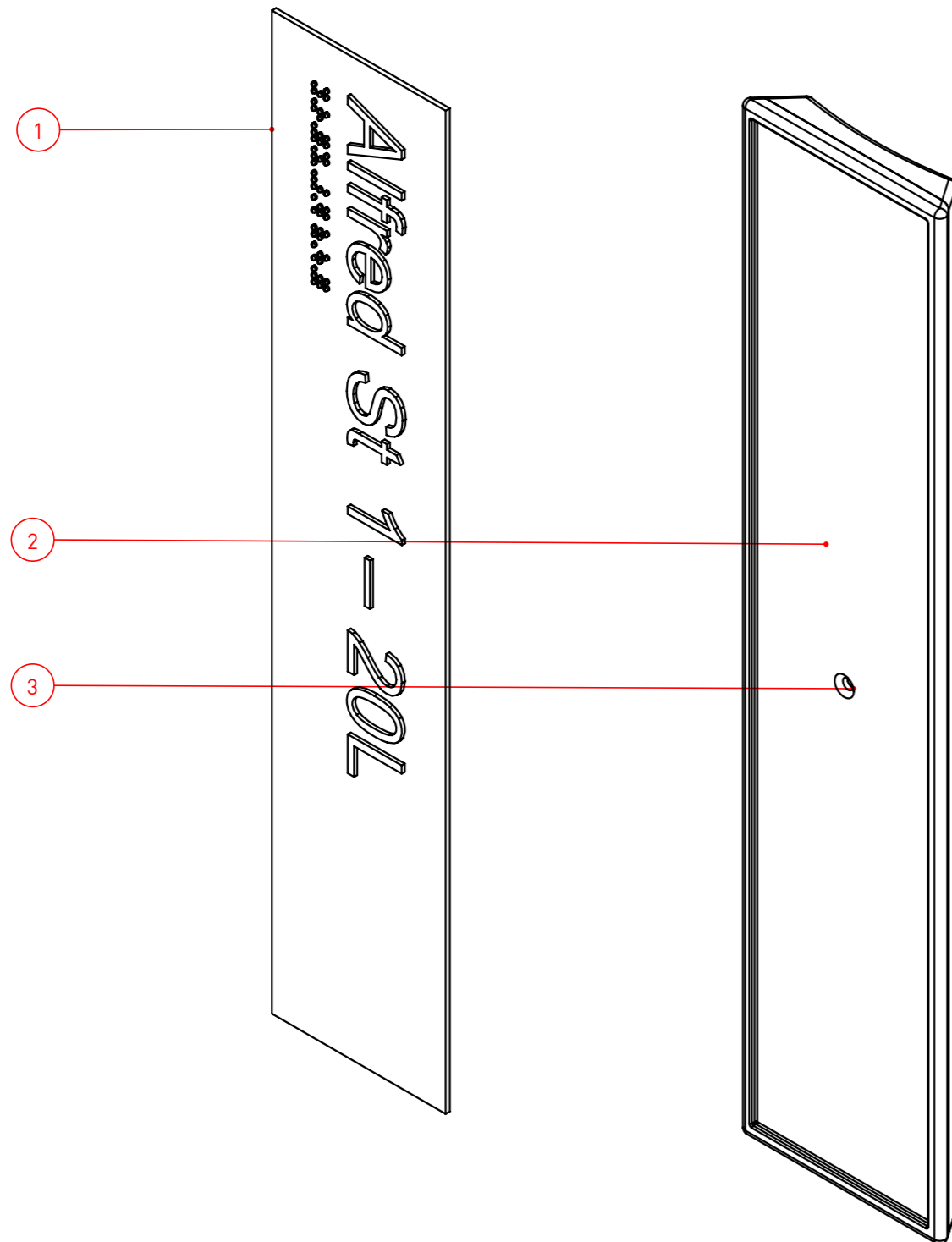
**Square Pole** - 560mm (XL) "Extra Large", 455mm (L) "Large", 402mm (M) "Medium" and 330 mm (S) "Small"

1. Braille and tactile insert: 1.35mm modified impact acrylic panel, precision machined to accommodate precision machined lettering, reverse paint sprayed to match Dulux Precious Metroplis Bronze Pearl Satin 971-59003. White acrylic Tactile letters material: White ASA, raised 1.15-1.35mm above surface, must be of a snug fit and not have free play in the panel. Braille to be certified 316 grade stainless steel bearings, pressed into panel surface. All tolerances must take into account expansion and contraction of materials. Insert fixed to aluminium casting using double coated 0.2mm VHB adhesive tape fully applied to back of insert.

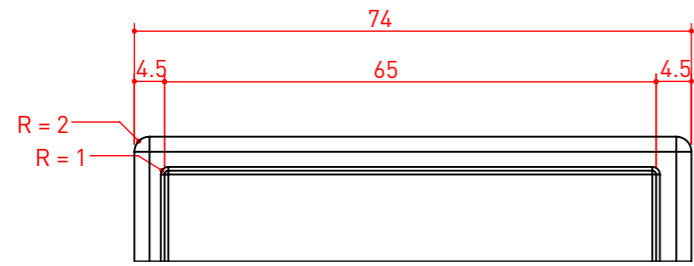
2. Cast aluminium braille holder powder coat finish with Dulux - Precious Silver Kinetic Satin - Chromate Conversion Coating, powder coating to comply with AS3715.

All aluminium parts are sand cast AC 601, Marine grade aluminium.

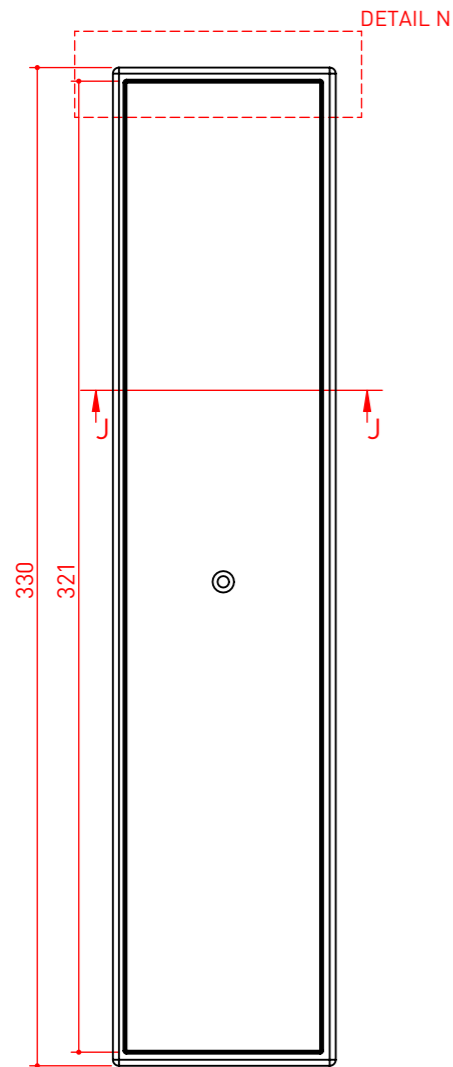
3. Hole to suit stainless steel CSK fixing - hole is shown in a nominal location.



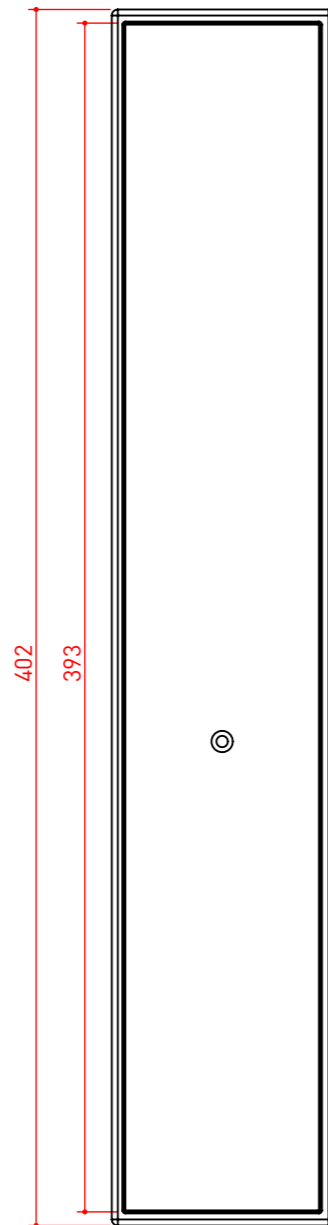
**EXPLODED VIEW**  
SCALE - n/a



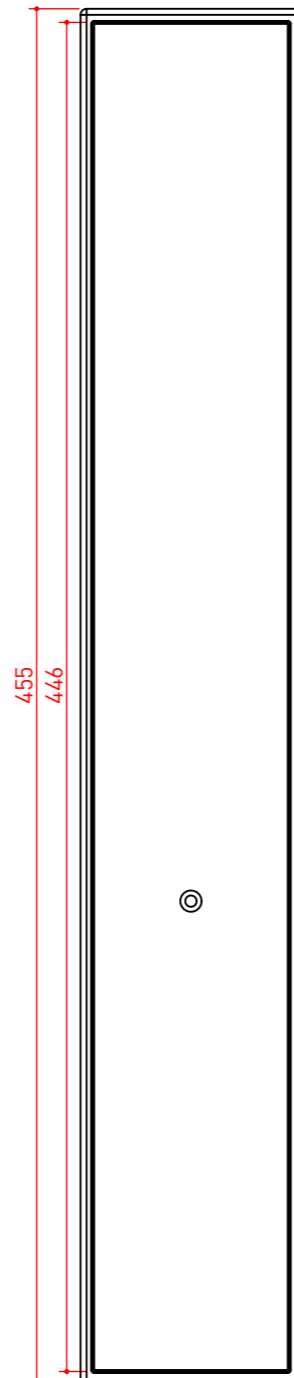
**DETAIL N**  
SCALE -1:1@A3



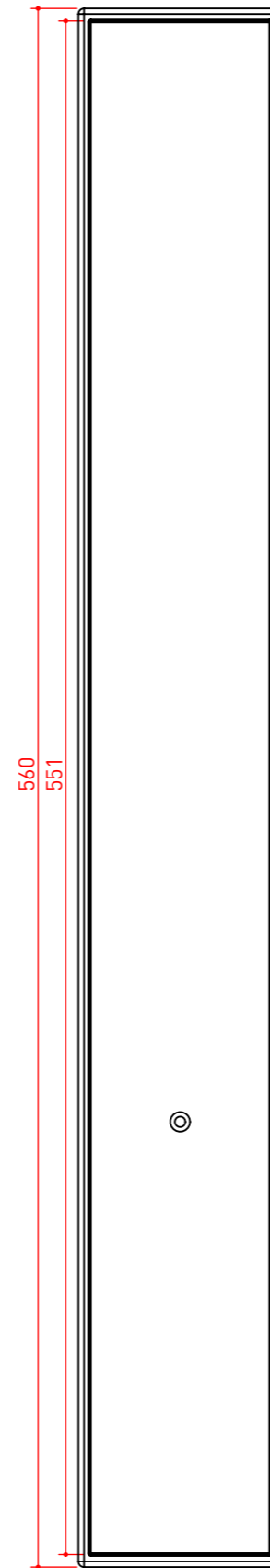
**SMALL**  
SCALE -1:2@A3



**MEDIUM**  
SCALE -1:2@A3



**LARGE**  
SCALE -2:1@A3



**EXTRA LARGE**  
SCALE -1:2@A3

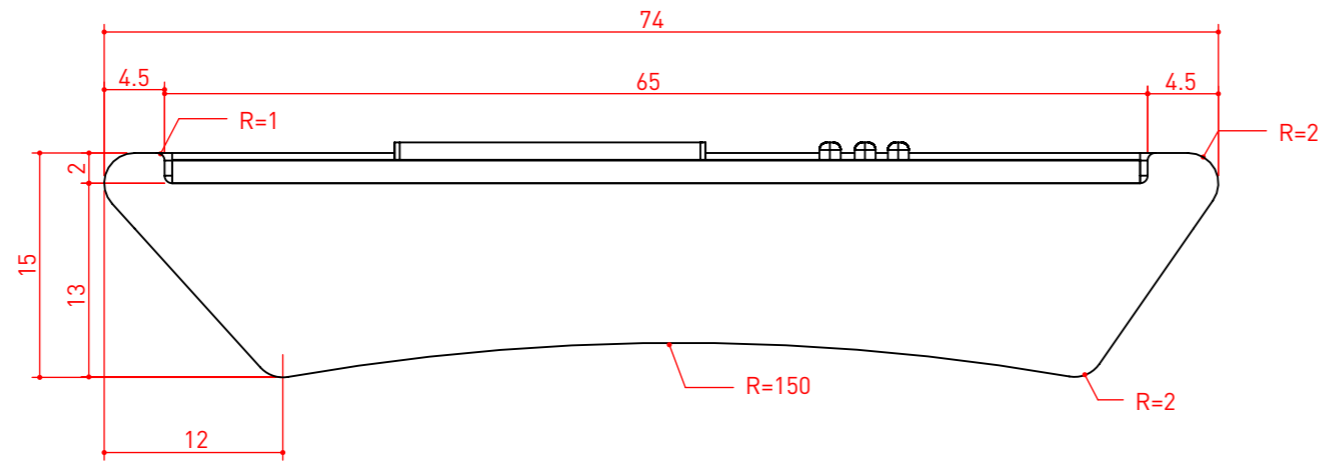
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**GENERAL NOTES:**  
The following pages detail the profile of each type or casting.

Note that cavity dimensions have a tolerance of + 1mm.

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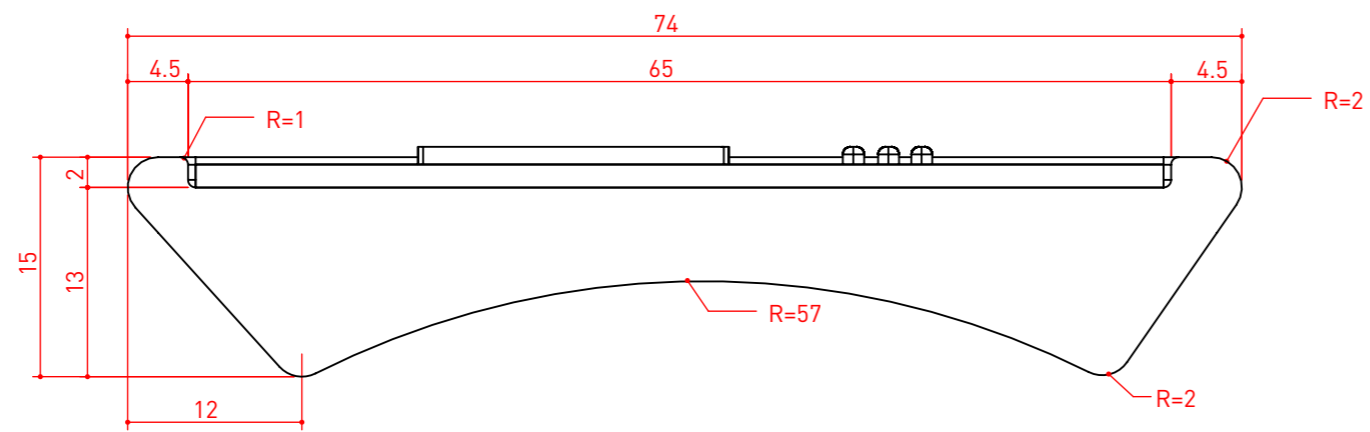
**GENERAL NOTES:**  
Shown radius to back of aluminium cast fits all smart pole types.



**SMART POLE SECTION J**  
SCALE -2:1@A3

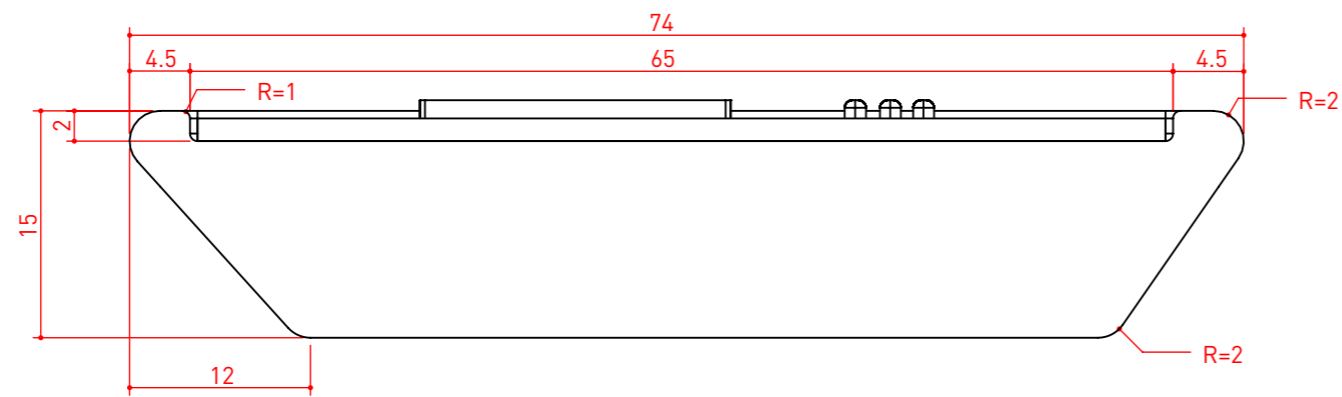


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**RMS POLE SECTION J**  
SCALE -2:1@A3

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**SQUARE POLE SECTION J**  
SCALE -2:1@A3

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