

Project Document

Date / Revision
Feb 2022 / v02

Visit Totnes

Phase 1 - sign family

Perch & Ponder

Phase 1 Sign locations & system type

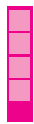
This page show a distribution of sign system types across the town as part of Phase 1.



Fingerposts Mostly used here to provide point-to-point navigation on journeys such as town-to-railway station. **Qty: 4**



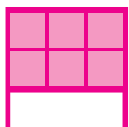
Arrival totem Welcome & orientate at carparks and railway station. 1800x300x120mm **Qty: 1**



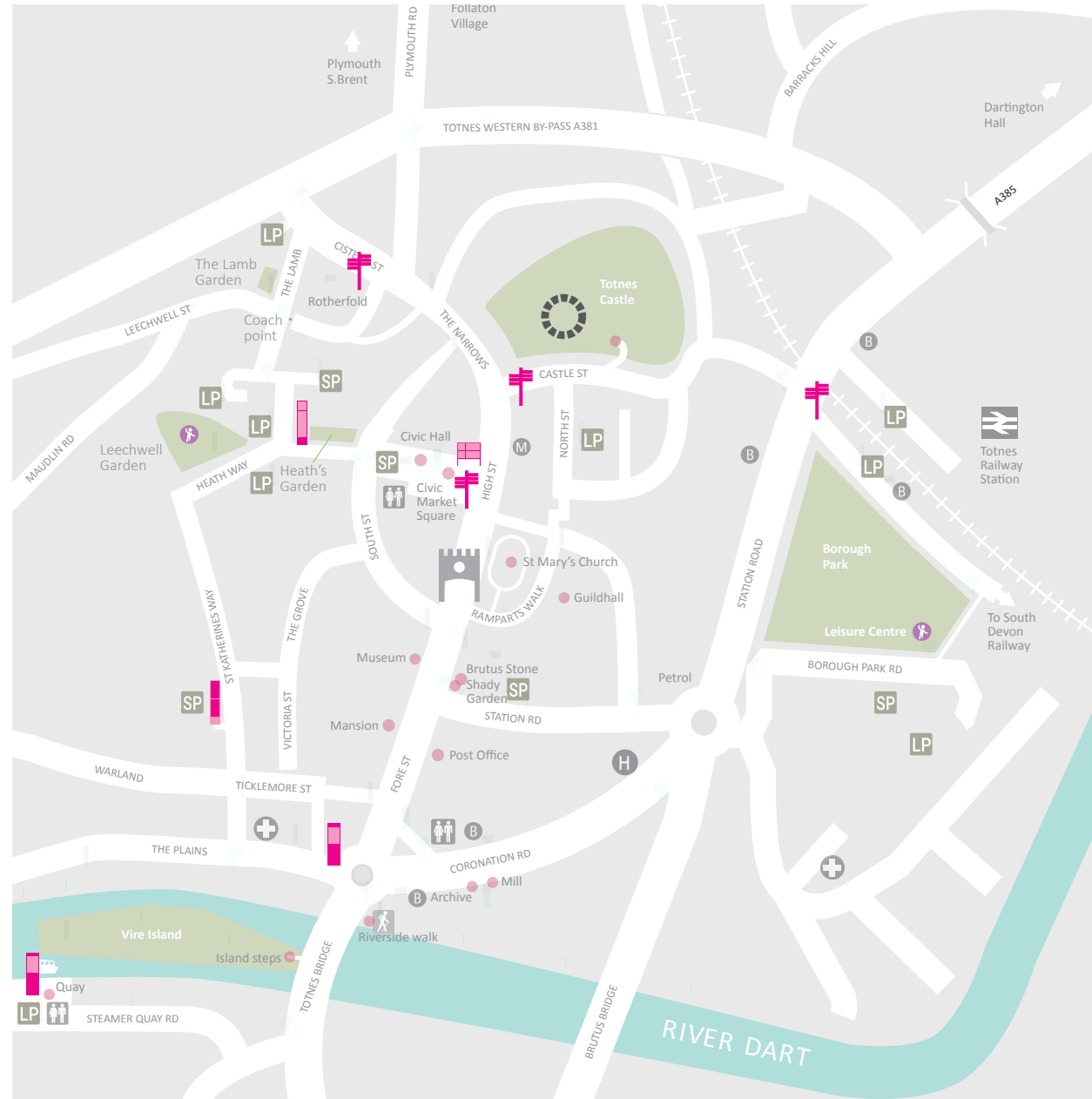
Area totem Welcome & information at destinations such as gardens, historic features and shopping streets. 1800x300x120mm **Qty: 1**



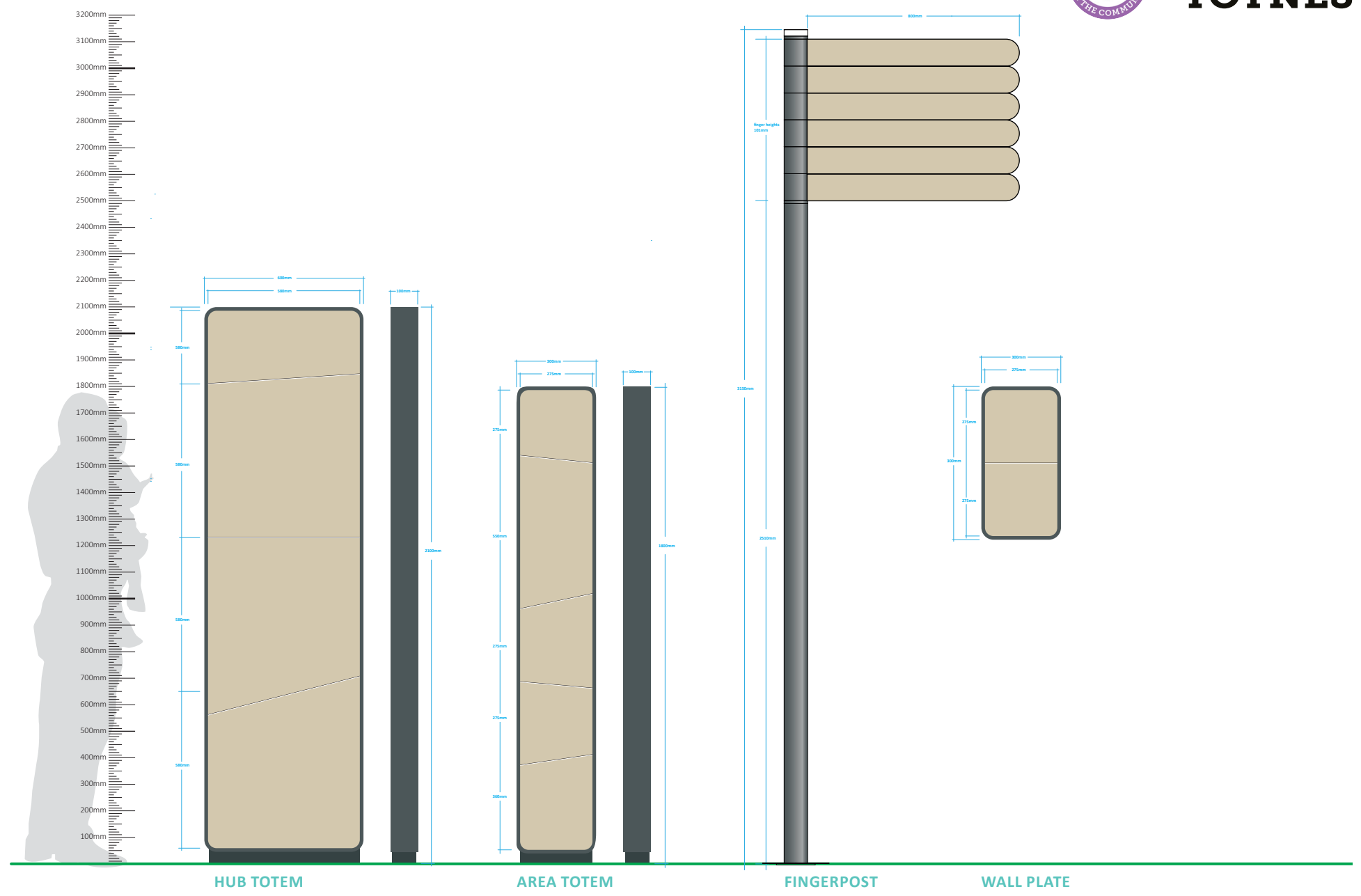
Hub totem Larger main-hub totems] 2200x600x120mm **Qty: 2**



Information panels Existing large panels and postercase style systems to upgrade. **Qty: 1**



System type Wood panels in metal frames. Full family



System type Wood panels in metal frames. Narrative steer for totems



Side lines...

Graphics can be applied to the sides of the sign. If finishing the panel sides in a dark anodising, this can be laser etched back for a highly durable finish.

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Extend the experience...

QR code for link to Visit Totnes web. Create special 'here & now' visitors page with up-to-date information on what's happening that day/week.

Map: You are here...

Mark, plus circles to show 2 and 5 minute walking distances [calculated using Google for consistency].

Local knowledge...

Image and text based interpretation for immediate location.

Words: 40-60 Images: 1-2

Next Steps...

Suggested points of interest- three things to do or see in the immediate location.

Words: 20-40 per point

Did you know...

To inspire exploration... short, diverse, area specific image and text [include a 'learn more' jump of suggestion rather than overloading with text]

Words: 10-25 Image: 1

Brand marks...

Any required sponsor/ stakeholder logos, plus social media



Welcome to...
include the actual location name, not just 'Totnes'.
Words: 3-4

Map: Points to consider...
We like the clean, graphic style of the map from VT brand material, but for this use suggest:

- Ensure map is correctly orientated in each location.
- Add 'illustration' of landmarks [Bristol example shown right].
- Include the icons for offerings as used in the VT guide.
- Add trails [or at least, their start points]

Map: Key points of interest...
Icon based list for key locations and attractions [using icons from the Visit Totnes guide]. Fixed list across all signs.
Icons: 6

Sense of direction...
Directional arrows [most of the signs are at junctions/decision points], but in addition to location names, short text are used to encourage exploration of these locations, or to note where they give access to [eg, Fore Street leads to High Street and Narrows]. This section marks the difference between large and small totem types [small having only simple directional need].
Words: 5-20 per direction

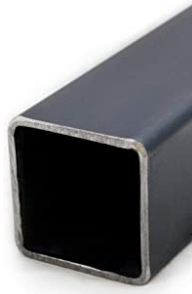
Connecting the dots...
Opportunity to add a textile/ rubbing trail to the main totems. Example shown below used graphics at a number of locations around a site to complete an illustration.



System type Wood panels in metal frames. Materials and structure



A. Grey anodised 5mm aluminium RAL 7016 Anthracite



B. 50mm steel inner frame



C. Accoya for graphic panels



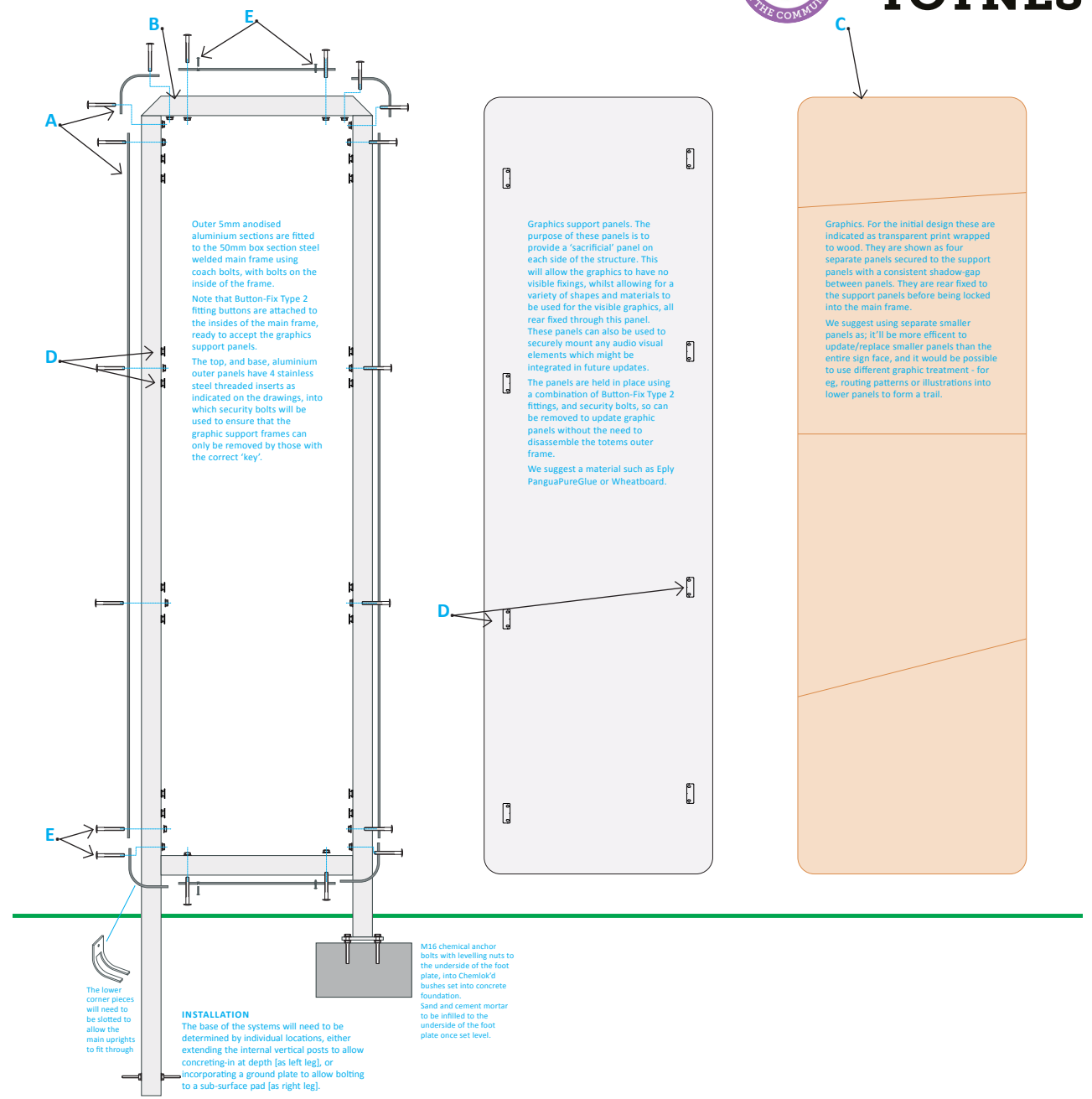
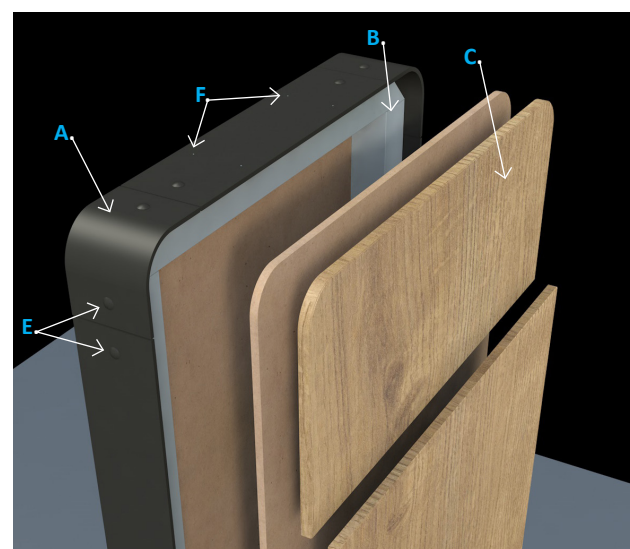
D. Button-Fix 90° panel mounts



E. Black stainless steel coach bolts



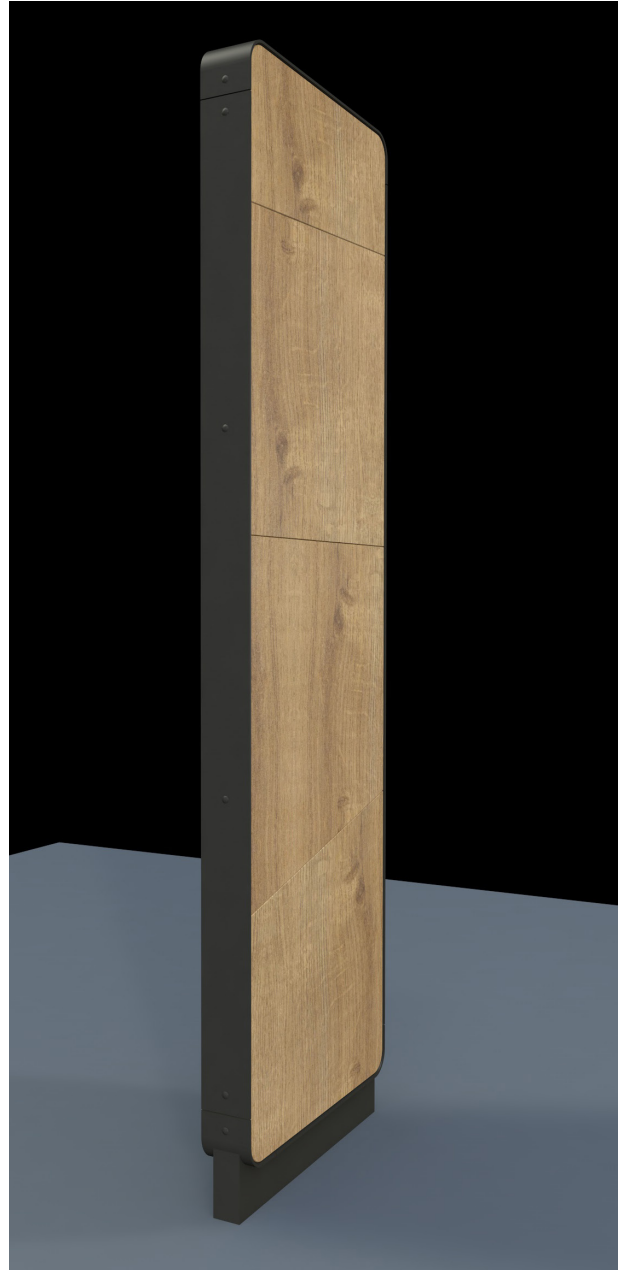
F. Security bolts



System type Wood panels in metal frames. Assembled totem



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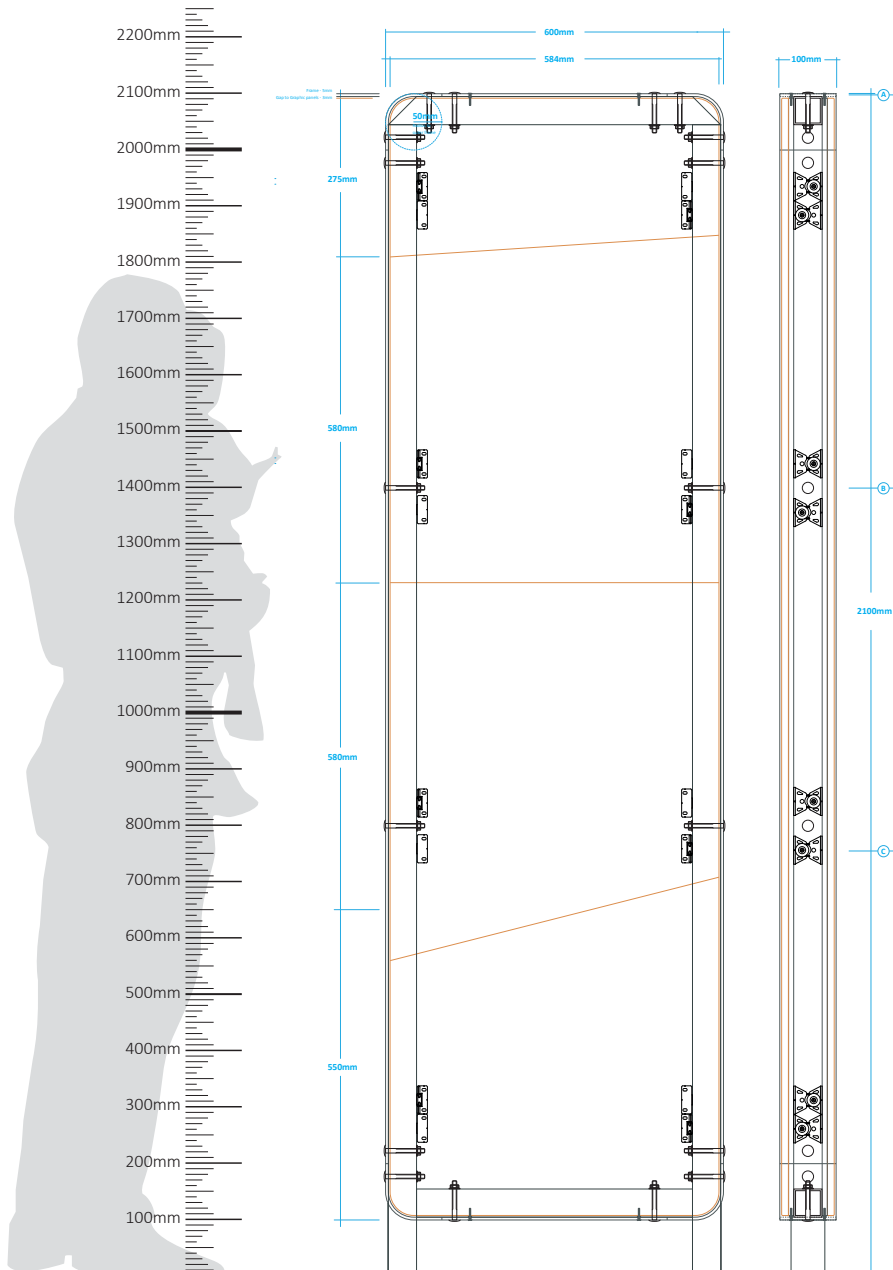
General visuals of the base system, ready for graphics. We are suggesting that the finish of the aluminium is a slate grey [RAL 7016 Anthracite] anodising, which will enhance durability compared to simple powdercoating.

The use of panel clips within the frame, and security bolts to the top and bottom means that the graphics will have no visible fixings.

Using coach bolts to secure the aluminium panels with bolts attached to the inside means the system is resistant to 'tampering'.

The space between the internal box section frame is empty- leaving space for future developments such as; digital screens, audio players, lighting, display cases, etc.

System type Wood panels in metal frames. Large Totem

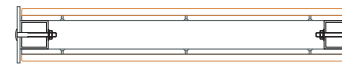


Ⓐ TOP SECTION



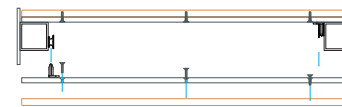
This shows the 4 x coachbolt heads, which passthrough the 50mm box section frame.
The 4 x smaller fixing holes are for security bolts to the top and bottom of the graphics support panels. These pass through stainless steel threaded inserts to the aluminium outer frame, but sit as dowels within the graphics support panels - which are not threaded.

Ⓑ BOLT SECTION



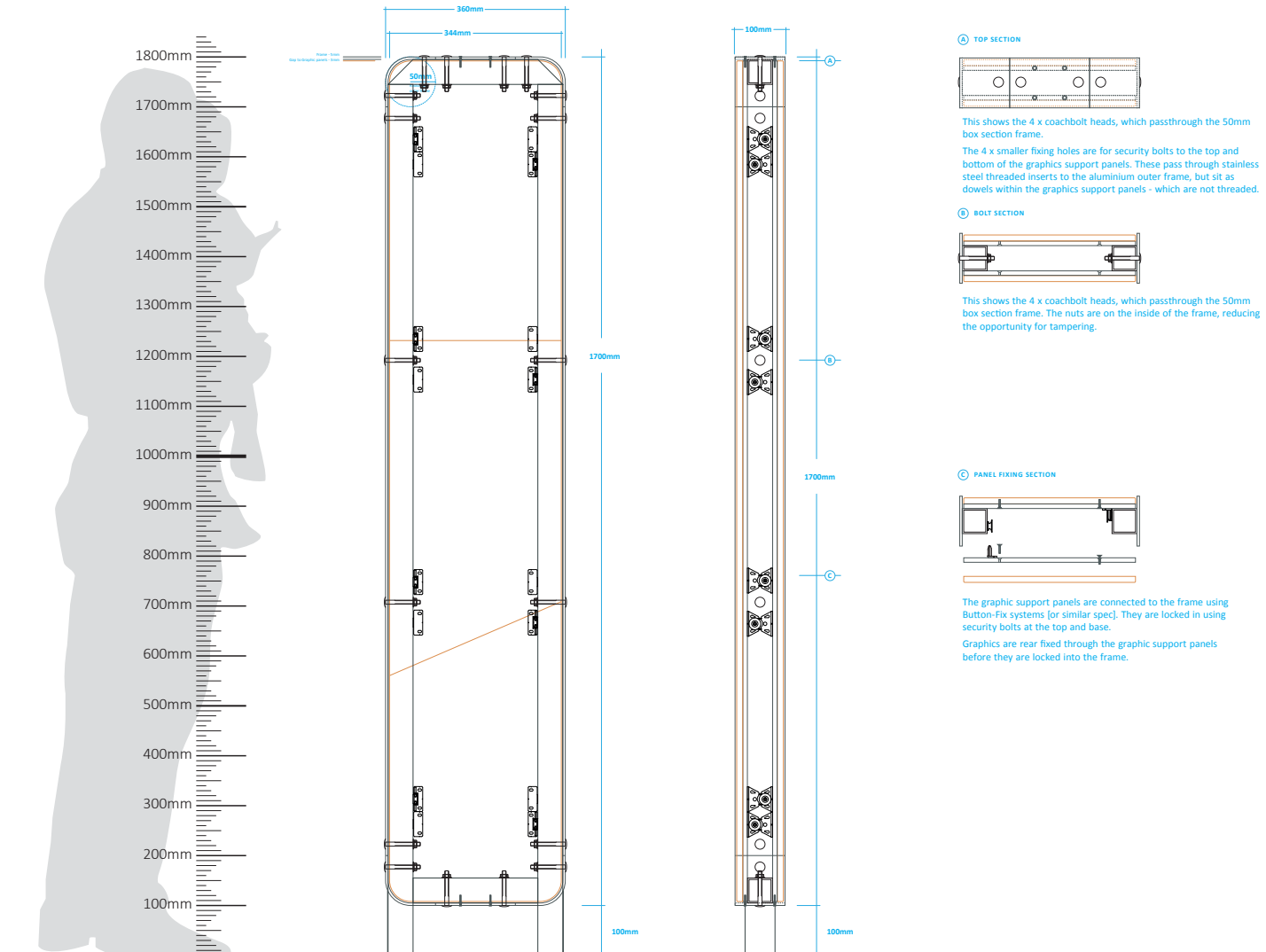
This shows the 4 x coachbolt heads, which passthrough the 50mm box section frame. The nuts are on the inside of the frame, reducing the opportunity for tampering.

Ⓒ PANEL FIXING SECTION

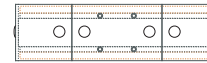


The graphic support panels are connected to the frame using Button-Fix systems (or similar spec). They are locked in using security bolts at the top and base. Graphics are rear fixed through the graphic support panels before they are locked into the frame.

System type Wood panels in metal frames. Small Totem



A TOP SECTION



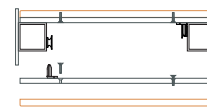
This shows the 4 x coachbolt heads, which passthrough the 50mm box section frame.
The 4 x smaller fixing holes are for security bolts to the top and bottom of the graphics support panels. These pass through stainless steel threaded inserts to the aluminium outer frame, but sit as dowels within the graphics support panels - which are not threaded.

B BOLT SECTION



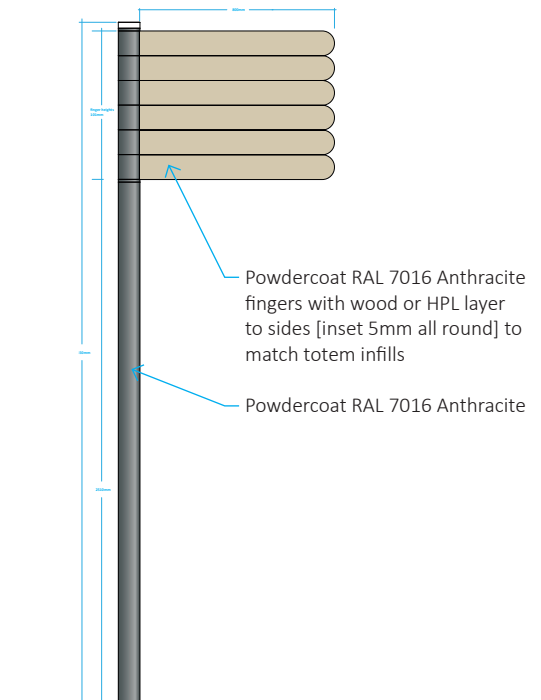
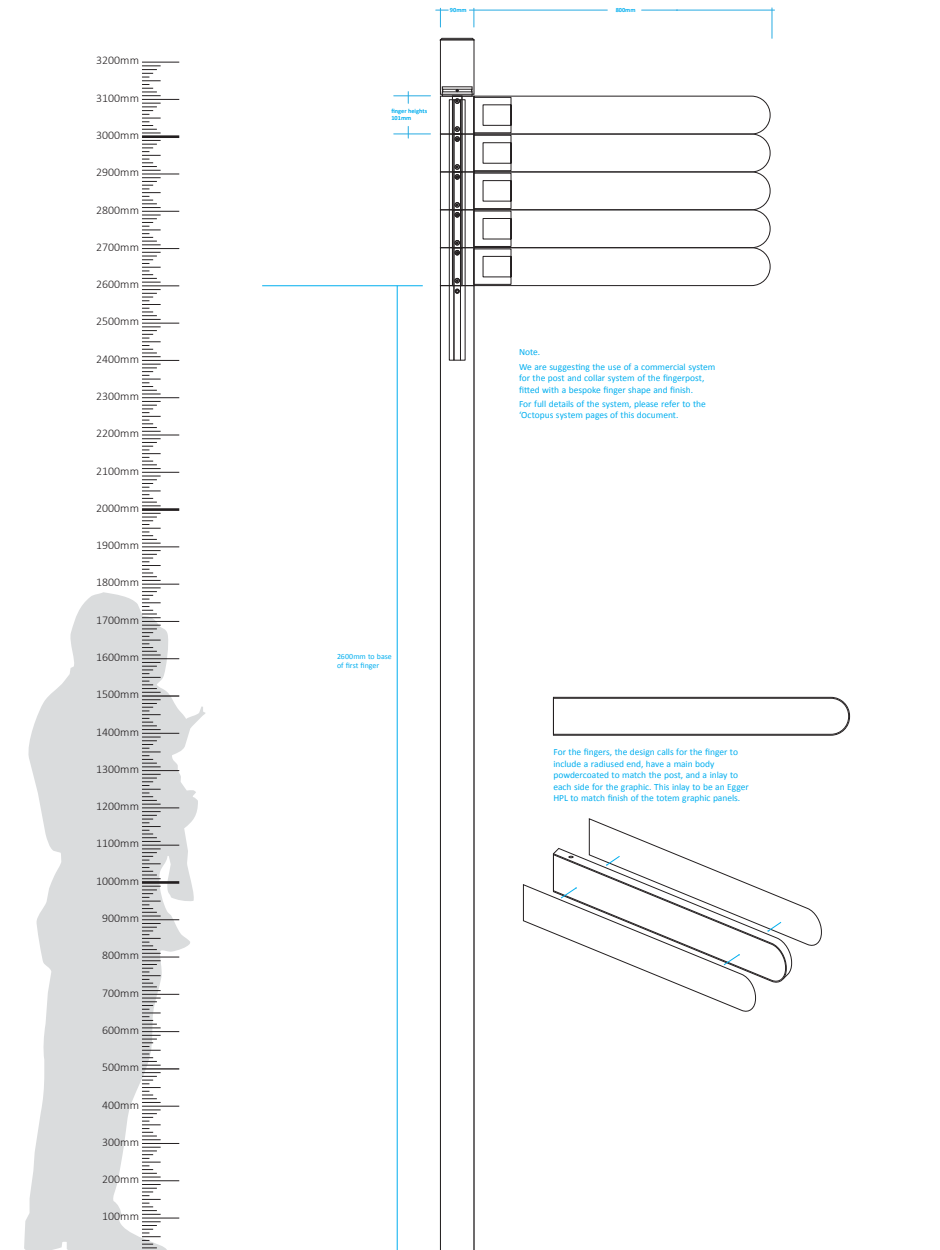
This shows the 4 x coachbolt heads, which passthrough the 50mm box section frame. The nuts are on the inside of the frame, reducing the opportunity for tampering.

C PANEL FIXING SECTION



The graphic support panels are connected to the frame using Button-Fix systems (or similar spec). They are locked in using security bolts at the top and base.
Graphics are rear fixed through the graphic support panels before they are locked into the frame.

System type Wood panels in metal frames. Fingerpost system 1 of 7



The suggested fingerposts are based on a commercially available post and hub/finger attachment system. The following pages give detail on the system...

System type Wood panels in metal frames. Fingerpost system 2 of 7



Introduction

Octopus Fingerpost Sign System is an engineered product, manufactured from robust aluminium extrusion profiles. The directional sign fingers can be set in 8 incremental positions of 45 degrees from each other and stacked to a maximum of 5 sign collars high. The system employs a unique telescopic octagonal spline that can be set between 1 to 5 sign collars high. Each sign collar has an octagonal cavity into which the octagonal spline fits to prevent rotation of the sign fingers.

The sign system consists of 3 main components:

Sign Post Assembly

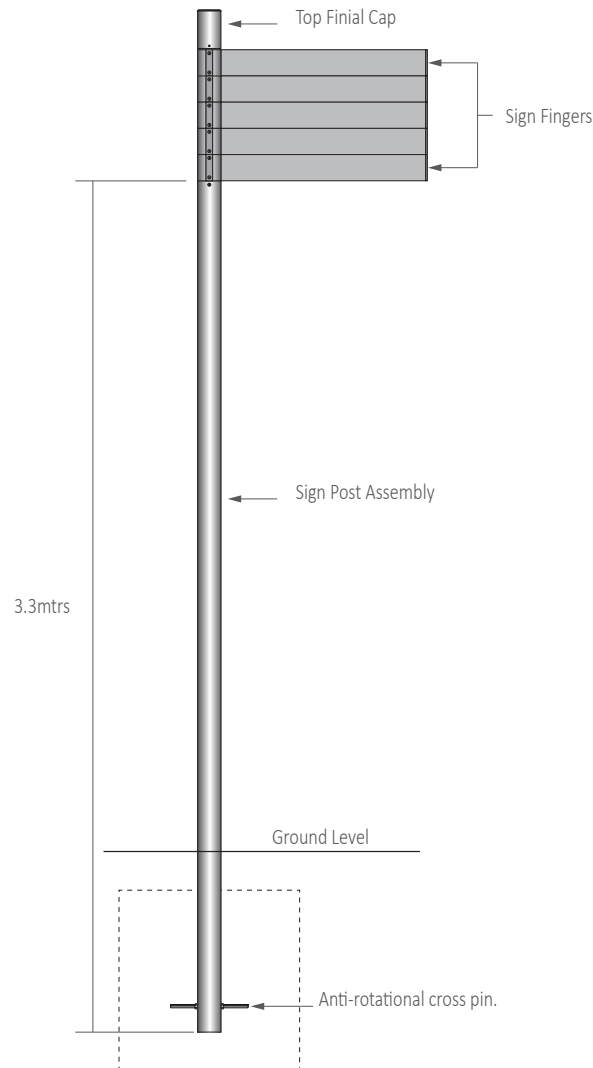
This comprises of the main 90mm diameter post which is supplied in 3.3mtr lengths and has an allowance of 700mm which will be buried below ground level, an anti-rotational cross pin is supplied. Also supplied is the telescopic octagonal spline with special adjustment screw.

Directional Sign Finger Assembly

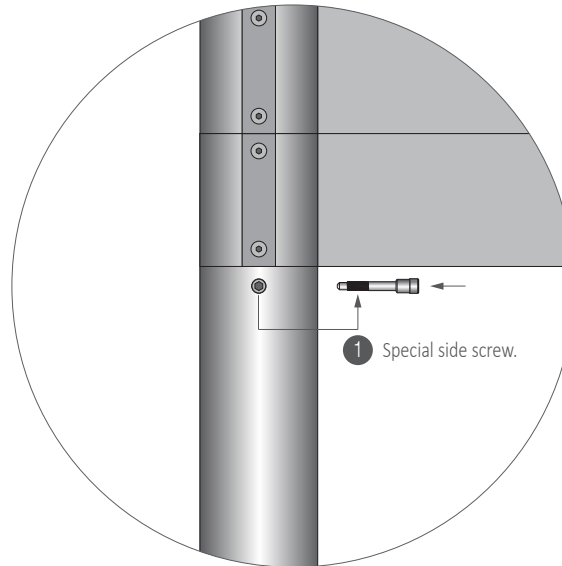
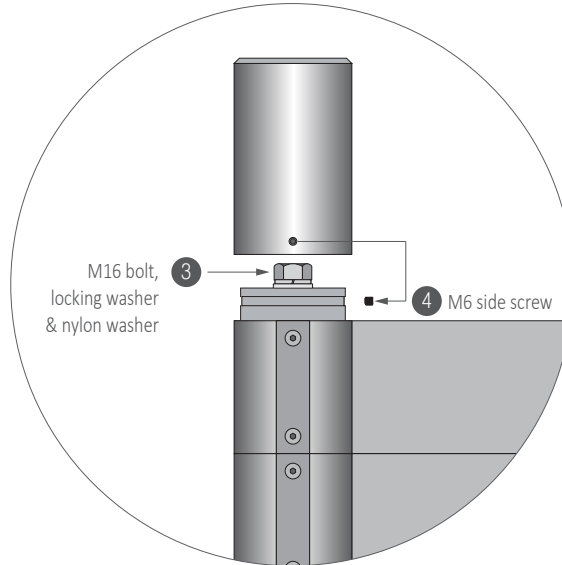
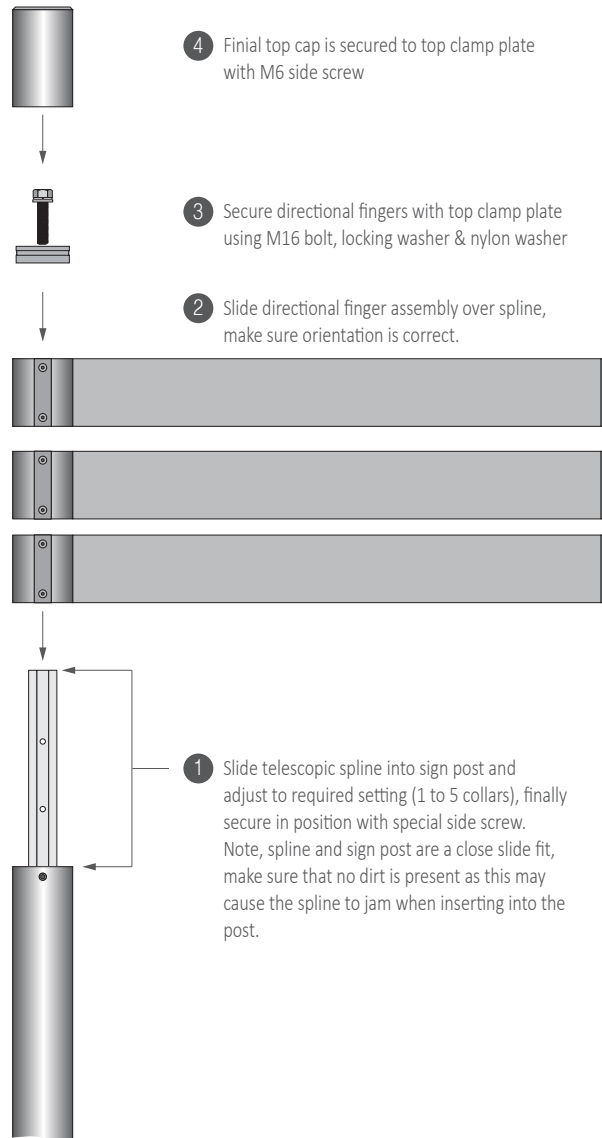
This comprises of a sign collar fixed to a 900mm long sign panel. End caps are supplied to enclose the end of the sign panel box extrusion. Sign collars are available blank without sign panels attached or with single or multiple panels as required.

Top Finial Cap

Two standard sizes are available in either 150mm or 50mm high versions.



System type Wood panels in metal frames. Fingerpost system 3 of 7

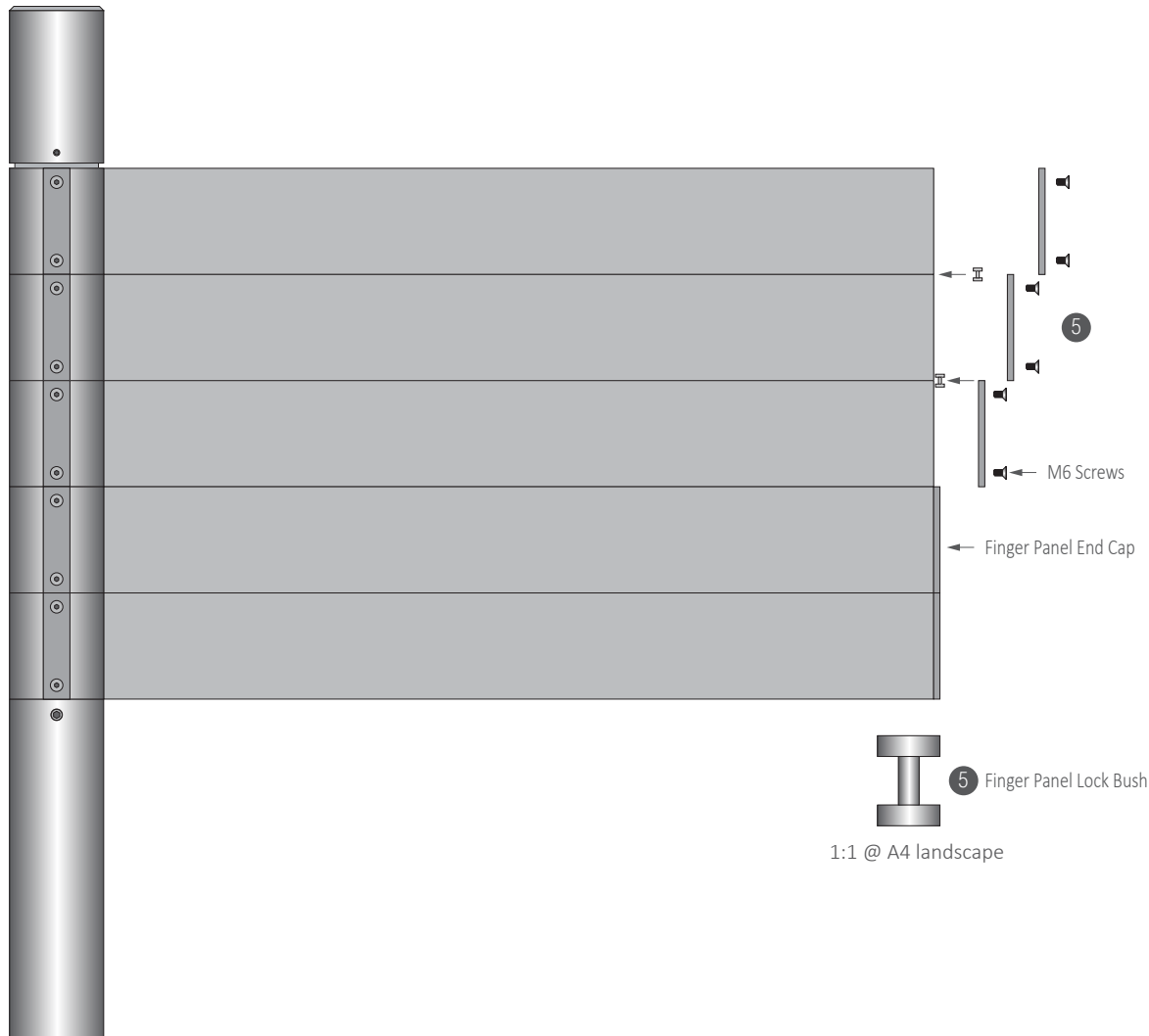


General Assembly

Octopus Fingerpost Sign System can be delivered part or fully assembled to suit the customer requirements. For example, supply of product direct to site ready to install or as part assembly for finishing in a sign workshop.

Procedure to Assemble

- 1 Establish top end of sign post, this is easily identified by a 13mm dia hole drilled 15mm from one edge. Firstly check that the internal octagonal cavity is clean and clear from dirt, swarf or paint over spray, equally check that the telescopic spline is clean. This check is important as the 2 components are a close slide fit and can jam if not clean when assembled together. The spline has a series of 5 holes drilled and tapped along its length, the bottom hole measure 185mm from one end, insert this end into the post. Make sure when inserting the spline that the clearance hole (side without screw threads) is facing the same side as the 13mm dia hole. Adjust telescopic spline to the required length, for 1 to 5 sign finger collars. Insert special screw with spacer into the post and fully tighten up.
- 2 Firstly establish configuration and assembly order of sign finger panels. We recommend the special screw is always designated the no 8 position (see separate diagram). Slide sign panels over telescopic spline until all panels are assembled as required. Check that all panels are stacked on top of each other neatly.
- 3 Place top clamp plate on top of the final sign finger collar with chamfer edge to the top. Insert M16 bolt with split locking washer and nylon washer and fully tighten up using a spanner. Check bolt is fully tightened.
- 4 Place top finial cap over top clamp plate, make sure that M6 side screw is undone enough to allow finial to go over top clamp plate. When finial is in position, fully tighten side screw and check that it is secure.



General Assembly

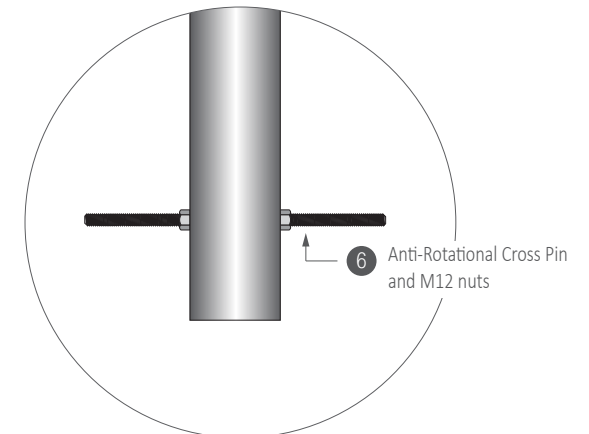
Multiple Stacked Sign Panels

Where multiple stacked sign panels are pointing in the same direction, we recommend the use of finger panel lock bushes to keep the panels in alignment.

- 5 Panel Alignment Procedure**

Once the sign panels are fully assembled as in steps 1 to 5. Remove finger panel end caps by undoing M6 CSK head end screws, this will reveal a small groove into which the finger panel lock bushes are to be located. Insert panel lock bush into the groove and this will link the 2 panels together, continue insert panel lock bushes until all panels are linked together and then finally refit finger panel end caps and tighten screws.
- 6 Anti-Rotational Post Cross Pin Assembly**

The anti-rotational cross pin is fitted to the end of the sign post, this position is easily identified by two 14mm dia cross holes located 100mm from the end of the post. Insert threaded cross pin through the cross holes in the sign post, make sure it is central and then screw a M12 nut on each end of the threaded cross pin to finally secure. Check that the assembly is fully tightened.



Paint Finishing

Paint Systems

Octopus finger post sign system is ideal for painting and we recommend the use of a good quality wet spray or powder coating system. When applying any paint finish always follow manufacturers guidelines to achieve best results. Where powder coating is used, care should be taken to not apply heavy coats on corners or edges that may affect the operational performance of the sign system.

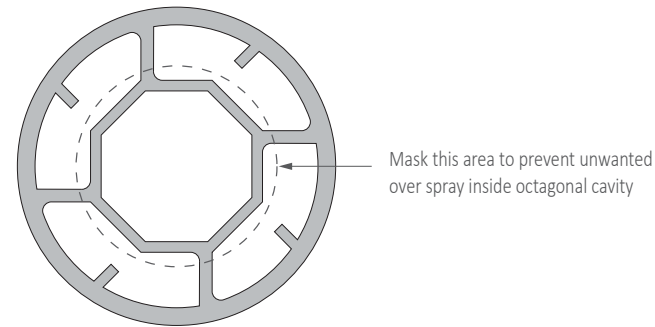
Masking of Components

Due to the close slide fit of the telescopic spline, sign post and finger panel collars it is essential to prevent any over spray from getting inside the octagonal shaped cavity. We recommend that octagonal cavities are locally masked to prevent unwanted over spray.

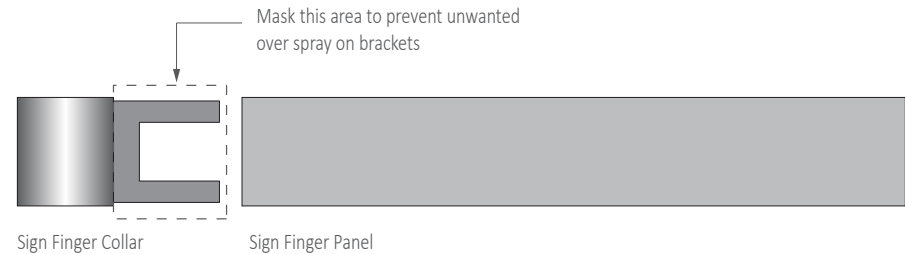
If sign finger panels and sign finger collars are to be finished in different colours then we recommend that these be painted separately. Sign finger collar brackets should be masked to prevent over spray as the bracket has a close internal fit to the sign finger panel.

Telescopic Spline

We do not recommend the painting of the telescopic spline as this is may cause the spline to jam inside the sign post. The spline is protected by an AA25 external grade anodised finish.



Cross Section of Octopus Sign Post



Configuration and Graphic Application

Directional Positioning of Finger Panels

We recommend the use of the following system to correctly position finger panels and to produce a consistently looking finger post sign.

To establish a reference point on the round sign post, this is done by allocating position no 8 to the special screw.

Direction of sign fingers can be allocated to 1 of 8 positions, these positions are equally positioned at 45 degrees apart.

The sign finger is then allocated to a sign finger level, there are a total of 5 levels available. Always allocate from the top level and work downwards. Where 5 levels are not used in the sign configuration this can be accommodated by adjusting the telescopic spline to suit the number of levels or by using blank sign finger collars. We would recommend that sign fingers are sorted by alphabetical order as a general rule.

Graphic Application

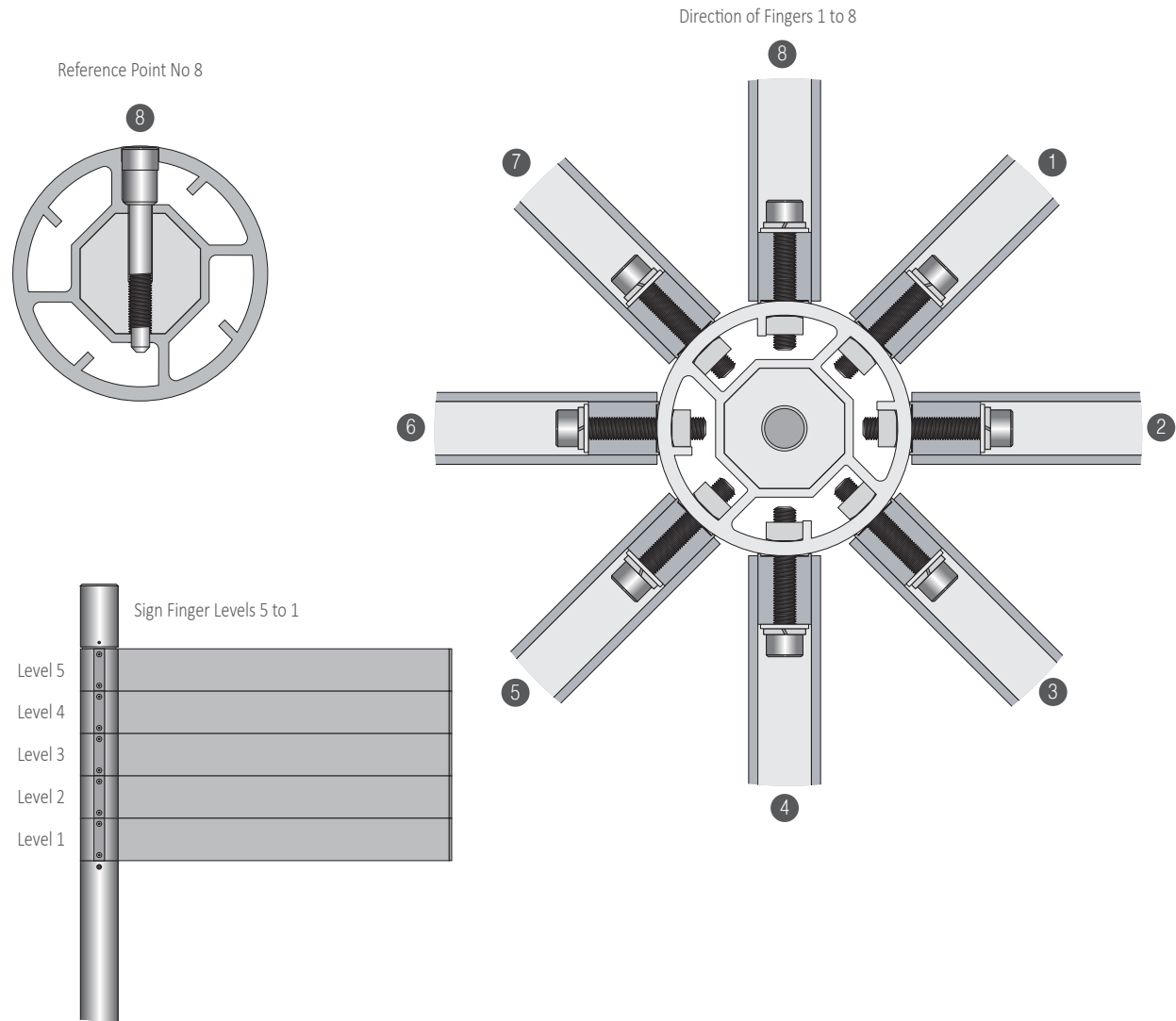
Octopus sign fingers accept a wide range of graphic processes, ranging from: self adhesive vinyl text, screen printing, direct to media digital print and engraved lettering.

When using self adhesive vinyl we recommend the use of a good quality vinyl, typically with a durability life span of 7 to 10 years. Always follow manufacturers guidelines to achieve best results.

Screen printing is recommended, always follow manufacturers guidelines to achieve best results.

Direct to media digital print process can be used but care must be used to check the suitability of this print process to adhere satisfactorily to painted sign panels. The use of a clear over lacquer may assist with external durability.

Engraved lettering is recommended, care should be taken to ensure infill enamels adhere correctly.



Installation

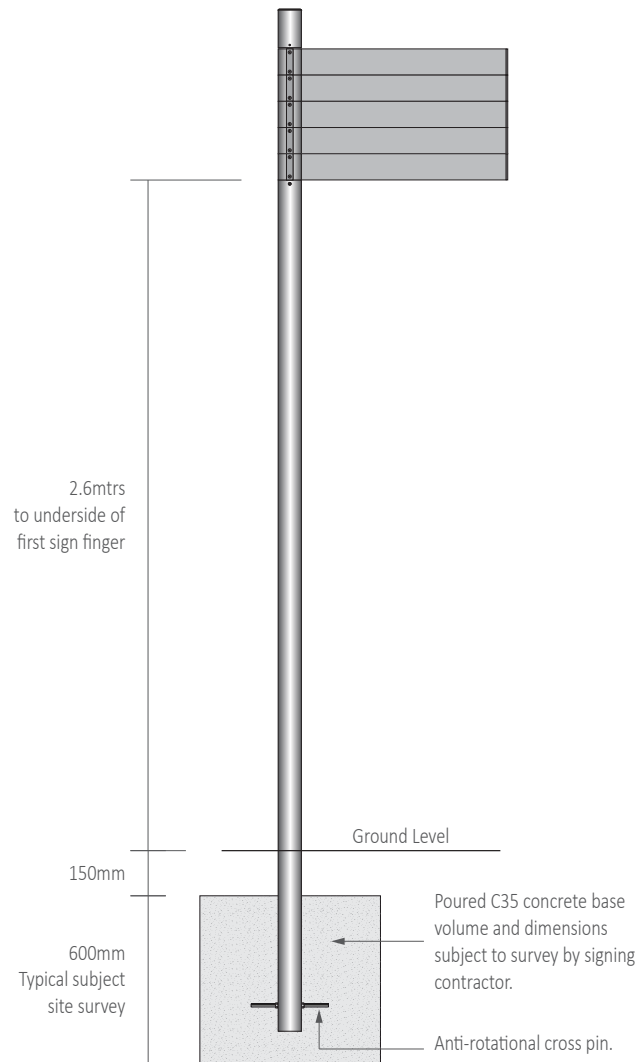
Octopus Sign System is designed to be installed by burying the sign post into a concrete foundation.

Before installation can take place the foundation details must be calculated to suit the unique geographic location where the sign is to be installed, this will take into account factors like wind loading and soil types. We are therefore not able to specify foundation details as each location is unique and should be calculated as such.

The generic layout diagram shows a typical foundation that will require verification subject to survey and geographic location.

Sign posts are supplied at 3.3mtr long with an additional 700mm of length buried below ground. The distance from ground level to the first finger or to the top of the sign post is 2.6mtrs. The poured concrete base is located 150mm below ground level, this is to allow for reinstatement of paving slabs, tarmac, concrete or soft landscape. When excavating for the concrete base, pocket sides to be produced straight and perpendicular, base of pocket to be flat. Sign should be set square and central in the excavated pocket and then concrete poured to the required level. Make sure all air bubbles are removed from the freshly poured concrete.

Note signs can be installed with or without sign fingers attached. Great care must be taken if installing without fingers to ensure the post is correctly orientated. We would recommend the use of a directional template to assist with alignment of the post.



System type Information Panels

The town already has some information/ poster case systems, and where they are in sound condition we would suggest refinishing to match RAL 7016 Anthracite.

Where new systems are need, we would suggest a commercial, but customisable, system which can include:

- Round posts
- RAL 7016 finish to match rest of family
- Minimal design- not heritage/victoriana type
- Properly vented for outdoor use, not just a rubber seal to allow the condensation to build up...
- Quality lock, preferably located to the base or back of the frame to deter tampering.

We would consider:

- Who will have control over content? If several organisations is it better to have separate lockable areas per sign, with suited keys, rather than one large space?
- What content will be visible if there is no notice? We'd suggest using default backers for postercases containing suggestions for things to do and see, ensuring that a viewer is never confronted with an empty grey space...

A few example suppliers and systems

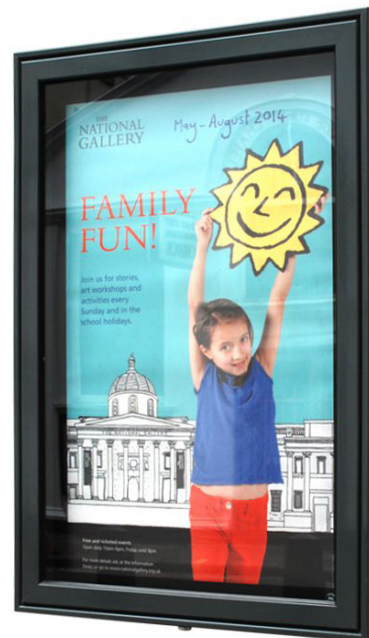
www.greenbarnes.co.uk A-Max aluminium

www.artformurban.co.uk Targa Display [custom]

www.es-streetfurniture.co.uk



Greenbarnes A-Max



Art from urban Targa [can be provided with lockable case, and powdercoated.]



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