

Elite Transit stop Overview



Overview

Patented Transit stop Information System

- Contemporary 'Modular' Design
- Strong, Long Lasting Materials & Anodised Aluminum Finish
- Quality Presentation of Route Information
- Quick Release Fittings & Fixings (aids operation & maintenance)
- Robust, Boat Shaped Flag Sign with Quick Release Route Tiles
- No Visible Fixings for Tamperproof & Vandal Resistant Operation
- Post Designed to accept RTP1 Power & Communications Cables
- Attractive Weather Resistant Materials (Stainless Steel & Aluminum)
- Solar Power Lighting & Illuminated Route Display Options
- Tactile Bumper foot for Visually Impaired
- Many Safety Features & ADA/Mobility Group Features
- Compliant with all Relevant Structural Standards and Legislation

Elite Transit stop Benefits

2

Elite Transit stop Benefits

Design Features - Patented Design - A “Unique” System Protected by International Design Copyright

Industry leading Elite transit stop design – tried & tested performance.

The Elite transit stop is a ‘modular’ system.

It has been specifically designed for use in transit agencies. Thousands of Elite units have been successfully installed throughout the world.

The Elite transit stop has been specifically designed to offer the following marketing, performance, safety and operational benefits:-

Marketing & promotional features & benefits

- High profile tool for the promotion of bus routes and bus services
- High quality information display (day & night – solar power)
- Modern, contemporary design – raising the profile of bus travel
- Provides a 21st century ‘shop window’– the hub or gateway for public transportation
- The ultimate platform for the promotion of transport corporate identity
- Proven to increase bus usage

- Performance features & benefits (long lasting appearance & functionality)
- Robust, vandal, graffiti and weather resistant materials & finishes, rugged, anodised post, coloured items have special anti-graffiti paint (optional)
- Stainless steel & aluminum construction for long lasting appearance and zero corrosion
- Tamperproof fittings and fixings throughout

Future proofed – technology enabled

- RTPI electronic display flags
- Electronic routes and touch screen journey planning systems
- Audio information and messaging systems
- Smart card & smart ticketing systems
- Mains power and / or solar power

Compliance with ADA regulations

- Designed in conjunction with disability & access user groups
- Tactile bumper foot for wheelchairs and the visually impaired
- Raised letter ‘B’ on transit stop display for visually impaired

Operational, installation & maintenance features & benefits

- Quick release, fastenings for quick assembly & maintenance
- Lightweight, modular components for fast, safe erection on street
- Wide range of special foundation options to suit all sites
- Vandal resistant, tamperproof fixings

Health & safety benefits

- Solar illumination - provides a safe, welcoming environment
- Tactile bumper foot to guard strollers from overhanging routes
- Structurally engineered, full compliance with required ADA standards

Environmental benefits – Elite solar illumination

- Manufactured from 100% recyclable materials
- Some parts already made from pre-recycled materials
- Energy efficient, environmentally friendly solar energy solution

Elite Transit stop Currently installed



Elite Transit stop Impact Tested

Impact Tested

NCHRP 350 Approved System meets International Breakaway Standard



Elite Transit stop System



1



2



3



4



5



5

SOLAR

Elite Transit stop Future Upgrades

THE ELITE ‘SMART CITY’ TRANSIT STOP

Customisable Internal Technology Features

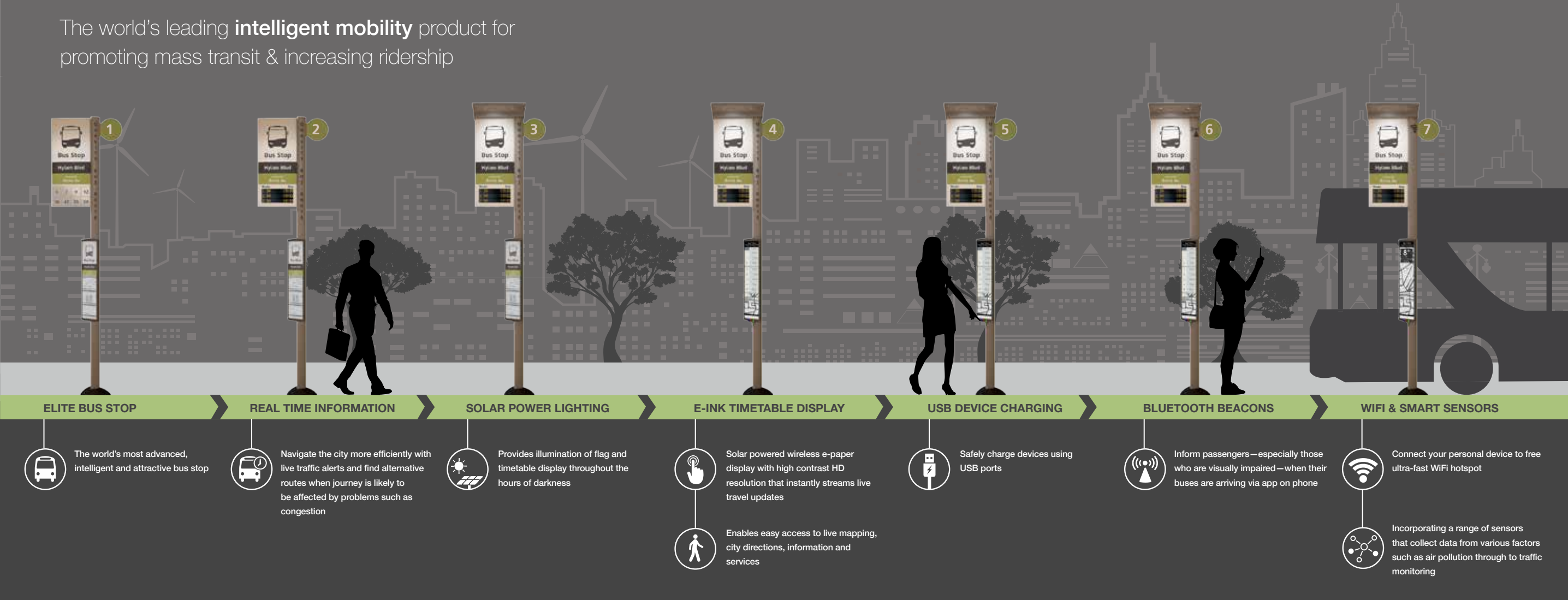
The world's leading **intelligent mobility** product for promoting mass transit & increasing ridership

A Modular - Future Proofed System

The Elite transit stop harnesses leading design, latest Internet of Things (IoT) transit technologies and apply advanced manufacturing materials and techniques. The Elite transit stop is a vital ‘Smart City’ and ‘Intelligent Mobility’ building block. It helps connect mass transit & commuters, residents and neighborhoods, cities and citizens, the digital and physical worlds, people & information - Enabling economically prosperous, socially equitable, environmentally sustainable, safer and healthier cities.

Smart Accessories

The Elite stop is a ‘modular’, fully ‘future proofed’ system. An endless range of smart accessories can be seamlessly added to the core Elite stop at any point in the future.



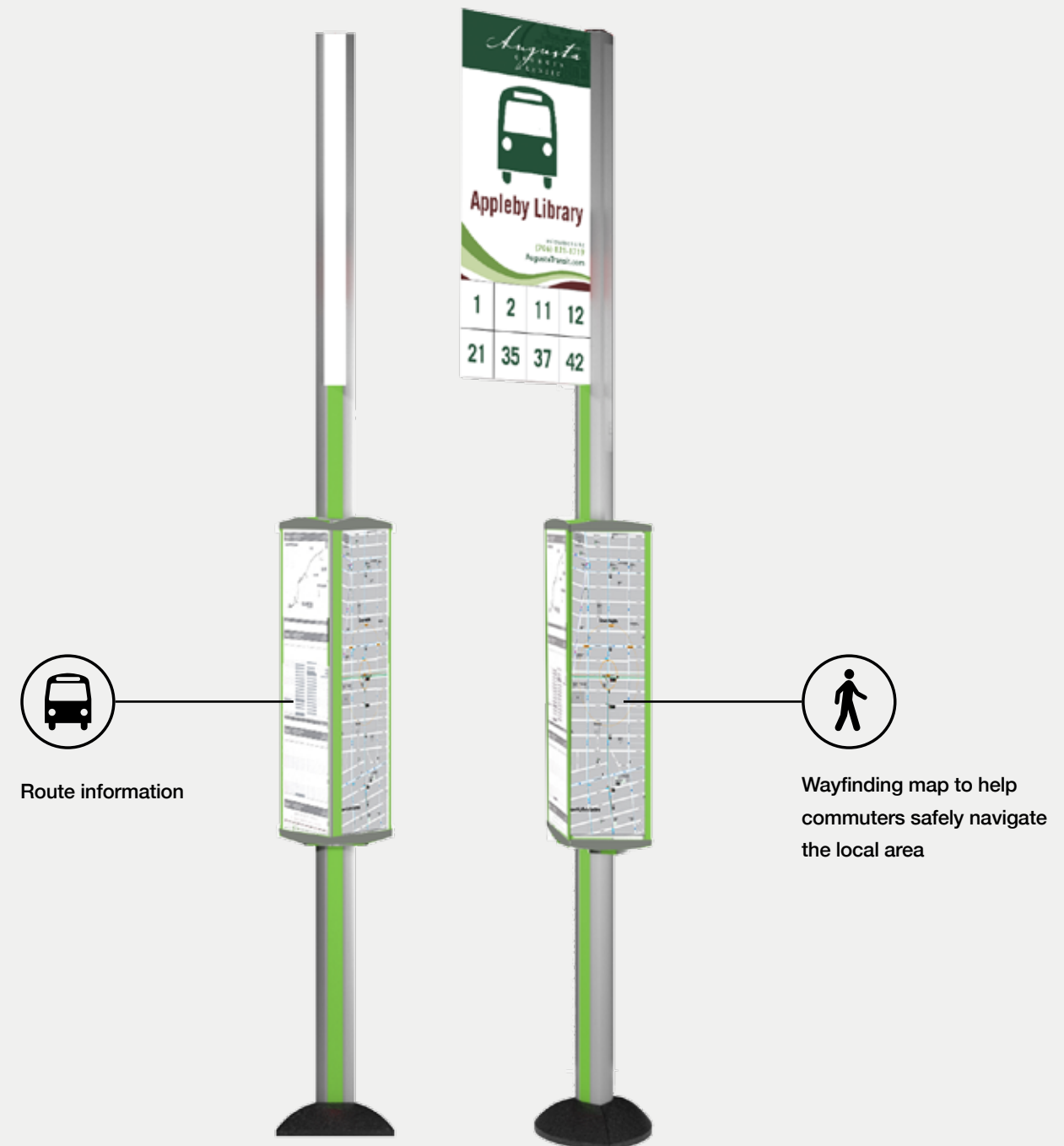
Elite Transit stop Multiple Timetable Options

Combined Wayfinding & Route Holder

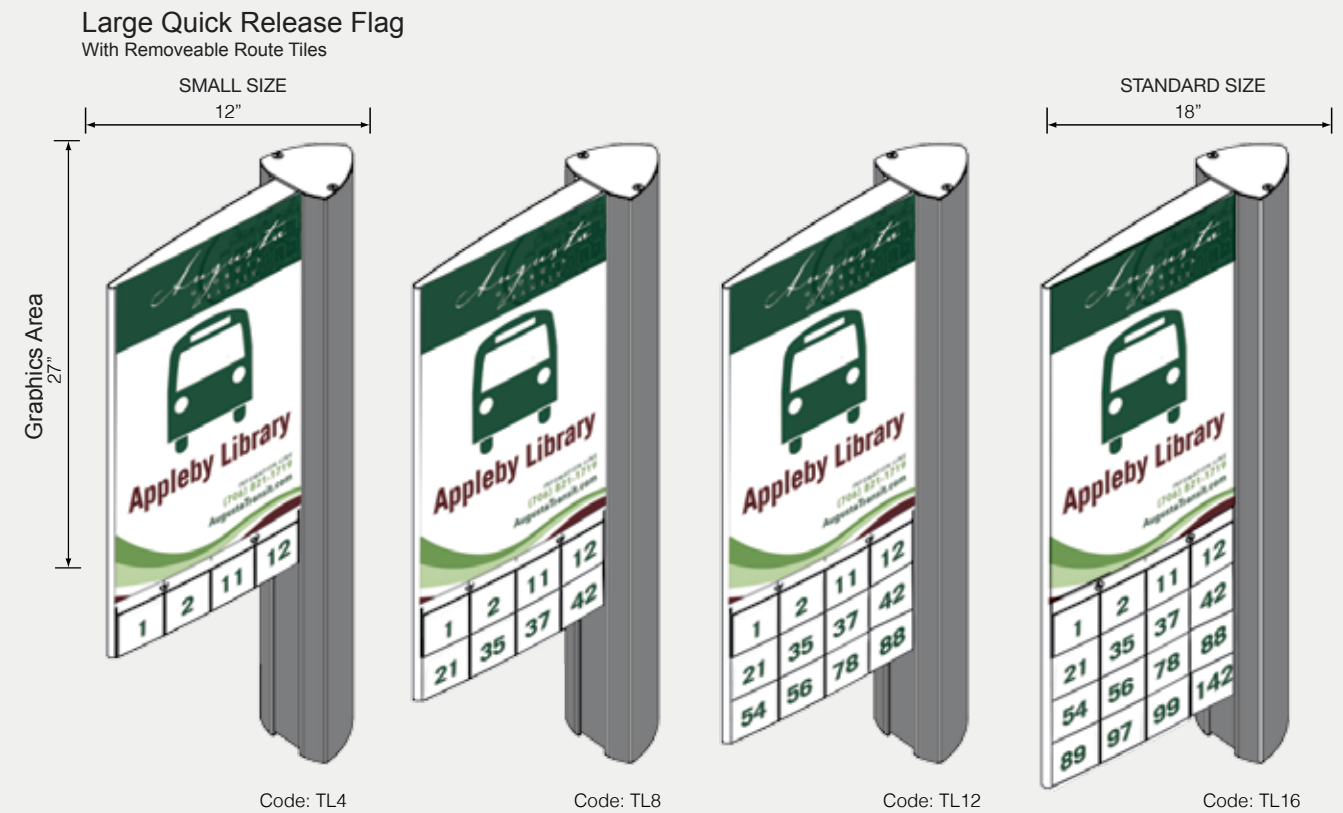
Features:

- Display route information alongside wayfinding
- Robust and attractive route case design
- Anti-tamper security screw entry
- Innovative (design protected) double & triple case connector
- Smooth, curved edges
- Quick and easy fitting of display material
- Raised letter 'B' option for partially sighted
- High quality display presentation
- Cases can be upgraded to be illuminated

Range of widths and lengths available to suit your needs



Elite Transit stop Route and Blade Sign Options



18 Tile Size:
3" x 2"

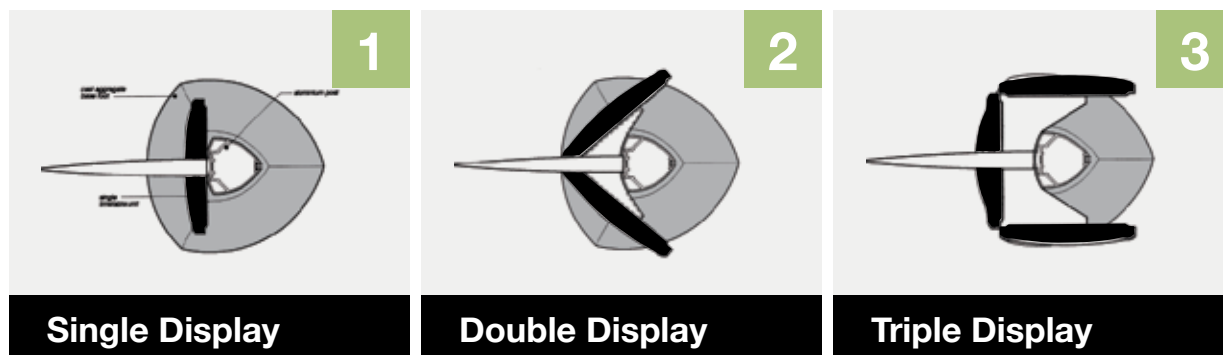
Features

- Ultra Robust Construction
- Corrosion Resistant Stainless Steel
- Removable Injection Molded Route Tiles
- Quick Release Fitting
- Tamperproof
- Elegant, Modern Design
- Range of lengths & sizes available
- UV Stable, Exterior Grade Graphics
- Can be retroreflective materials

18 Tile Size:
4"

18 Columbia St

Optional Long Size Tile:
17" x 5"

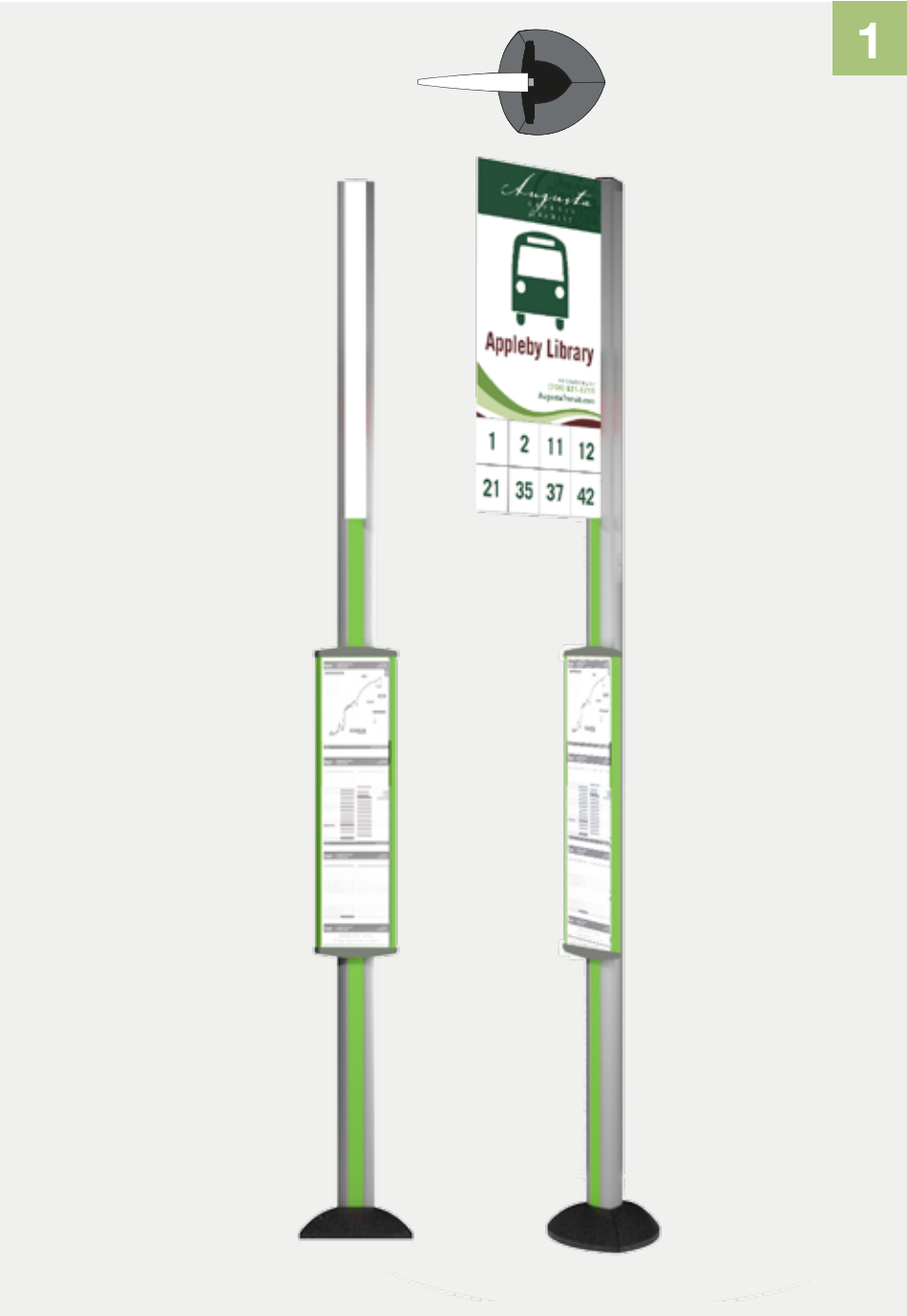


Single Display

Double Display

Triple Display

Elite Transit stop Route Options



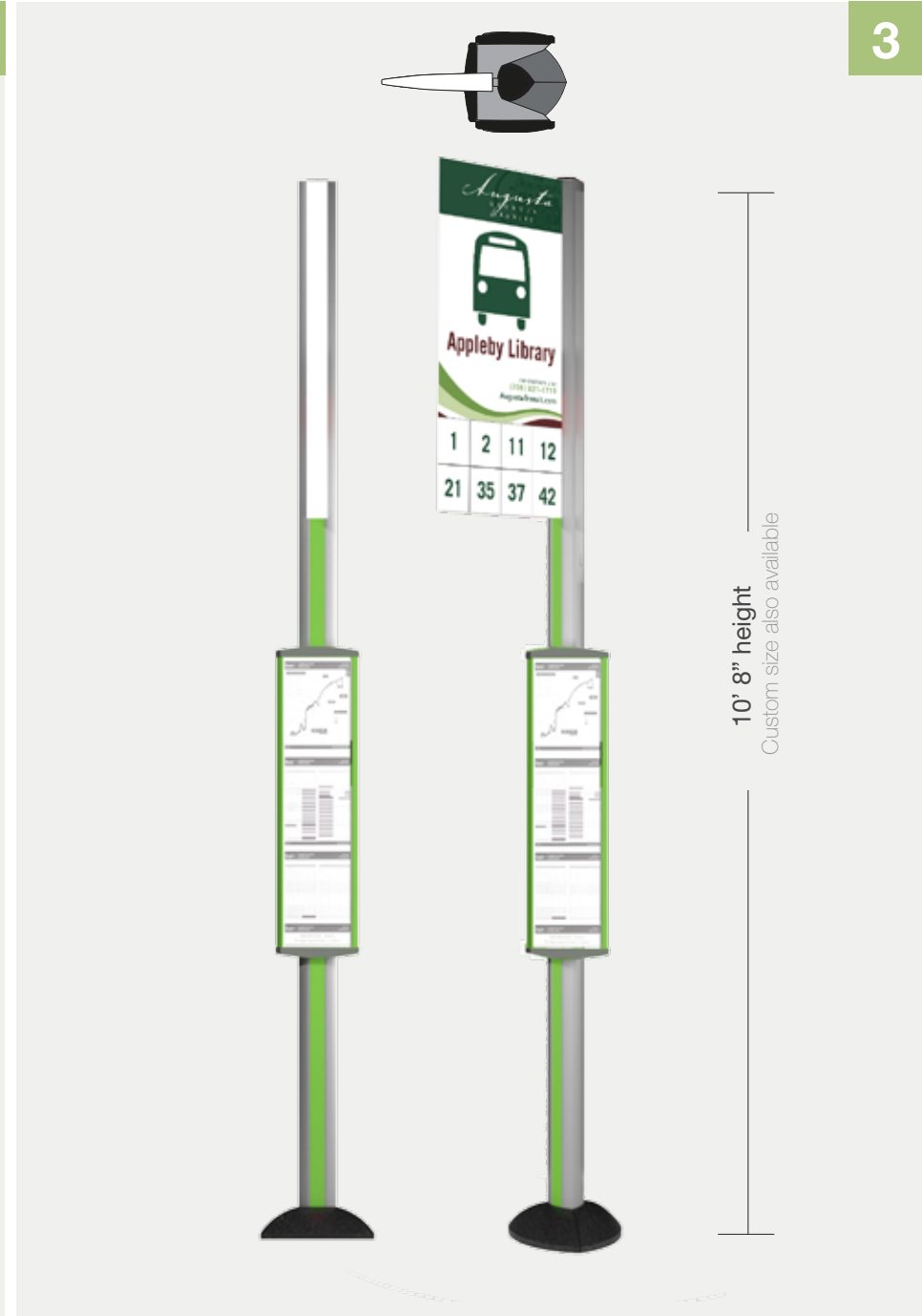
1

Single Route Display



2

Double Route Display

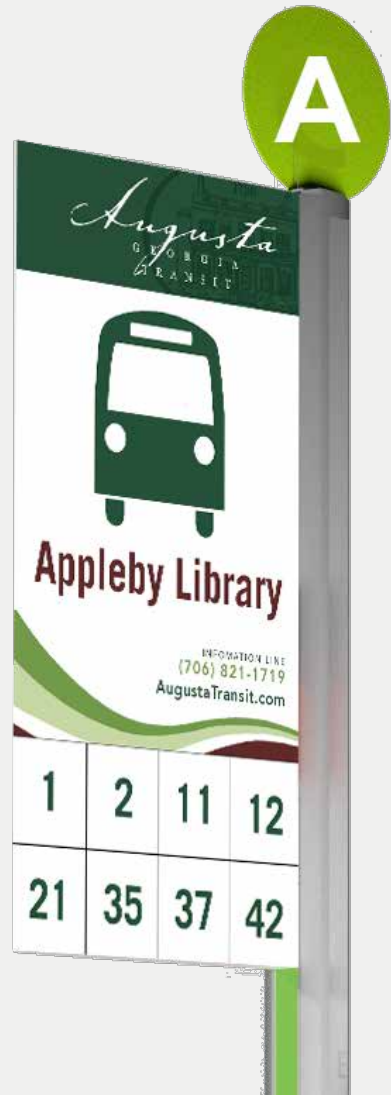


3

Triple Route Display

Elite Transit stop Marker/Finial Options

1

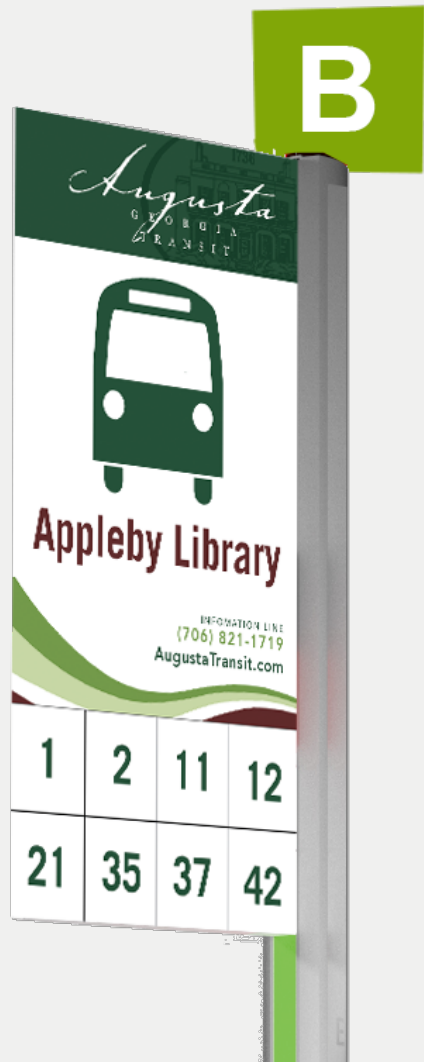


Option A features a round green finial with a white letter 'A'. The sign panel displays the Augusta Georgia Transit logo, a bus icon, the stop name 'Appleby Library', contact information, and a route table.

1	2	11	12
21	35	37	42

Round Marker/Finial

2

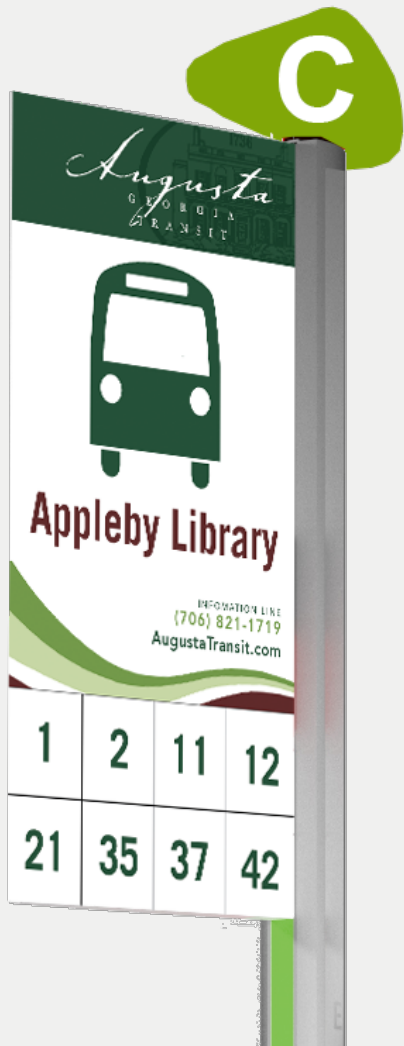


Option B features a square green finial with a white letter 'B'. The sign panel displays the Augusta Georgia Transit logo, a bus icon, the stop name 'Appleby Library', contact information, and a route table.

1	2	11	12
21	35	37	42

Square Marker/Finial

3

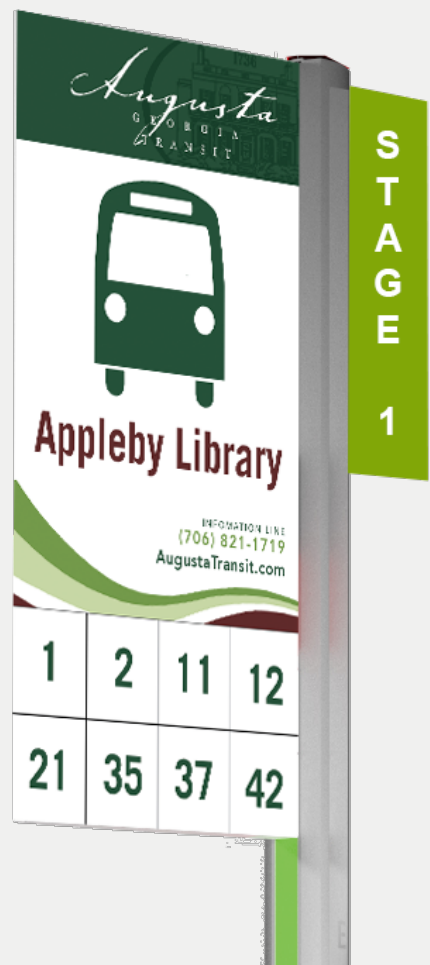


Option C features an arc-shaped green finial with a white letter 'C'. The sign panel displays the Augusta Georgia Transit logo, a bus icon, the stop name 'Appleby Library', contact information, and a route table.

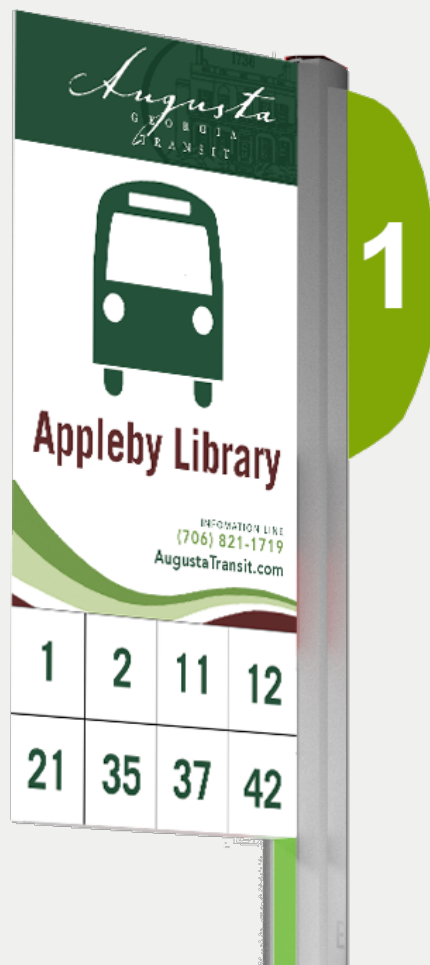
1	2	11	12
21	35	37	42

Arc Marker/Finial

Elite Transit stop Marker/Finial Options



Rectangle Marker/Finial



Curved Marker/Finial



Bespoke Marker/Finial

Elite Transit stop Post Graphic Options

1

1	2	11	12
21	35	37	42

Post Graphic Option 1

2

1	2	11	12
21	35	37	42

Post Graphic Option 2

3

1	2	11	12
21	35	37	42

Post Graphic Option 3

Elite Transit stop Solar Power



Solar Power

Solar Power Kit for Elite Poles

State of the art solar energy collection, utilizing industry leading energy management electronics and charge regulation, robust, high efficiency mono crystalline solar collection cell (positioned discreetly on top of pole), rechargeable battery pack, LED illuminator lights (front illumination of route media), special push button activator (with night visibility LED for easy location (glowing button!)).

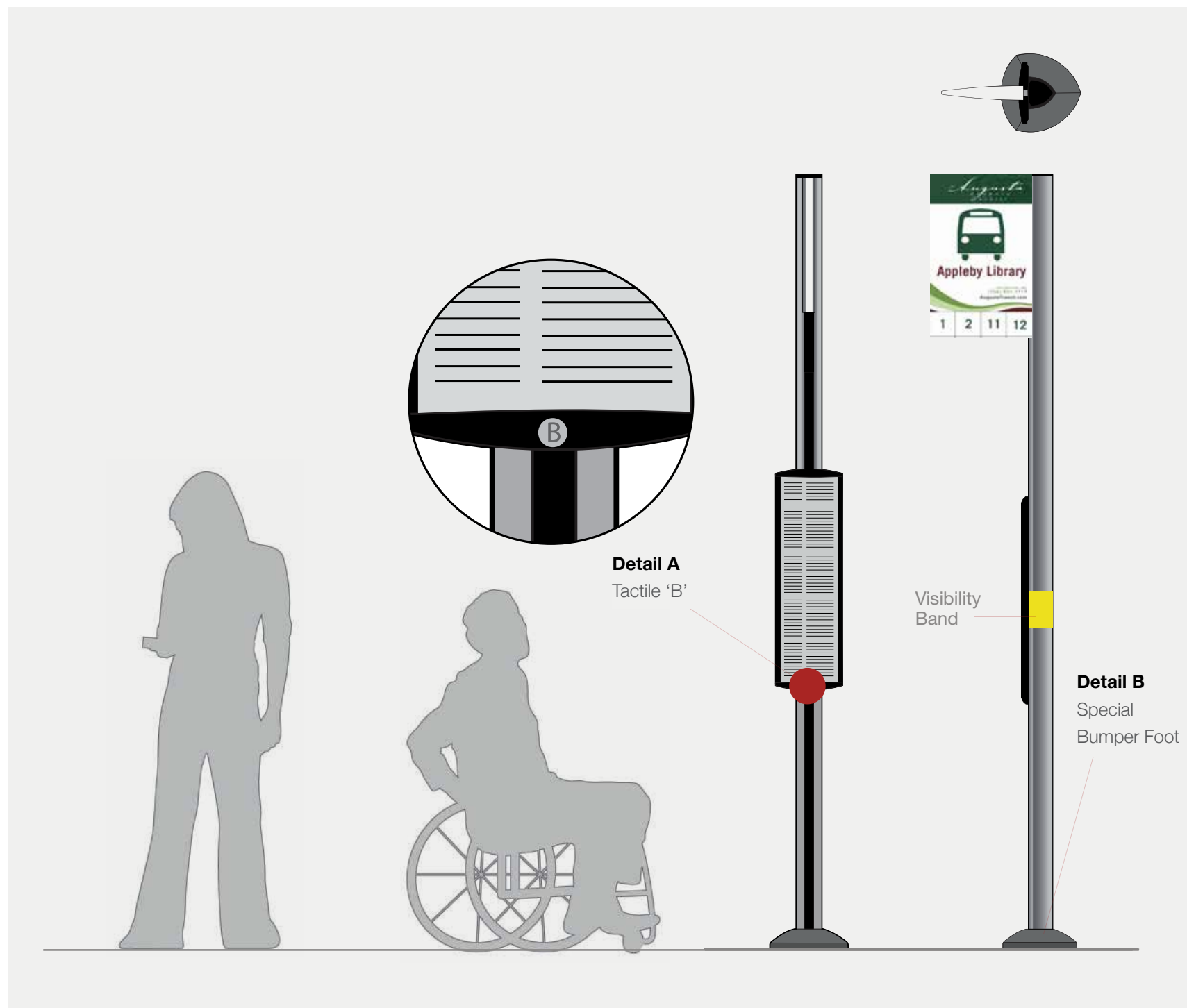


Elite Transit stop Accessibility & ADA

Accessibility & ADA

Features

- Special tactile raised letter 'B'
- Contrasting coloured band (tamperproof vinyl applied to post)
- Bumper foot – wards sticks, wheelchairs & strollers away from overhanging route timetable
- Illumination at night – safety and clarity of information– solar power options



Elite Transit stop Electronic Screens



Electronic Screens

The Elite transit stop has been specifically designed to incorporate future technologies. It can readily accept additional equipment such as electronic routes, touch screens and journey planning kiosk displays.

Elite Transit stop RTI Flags



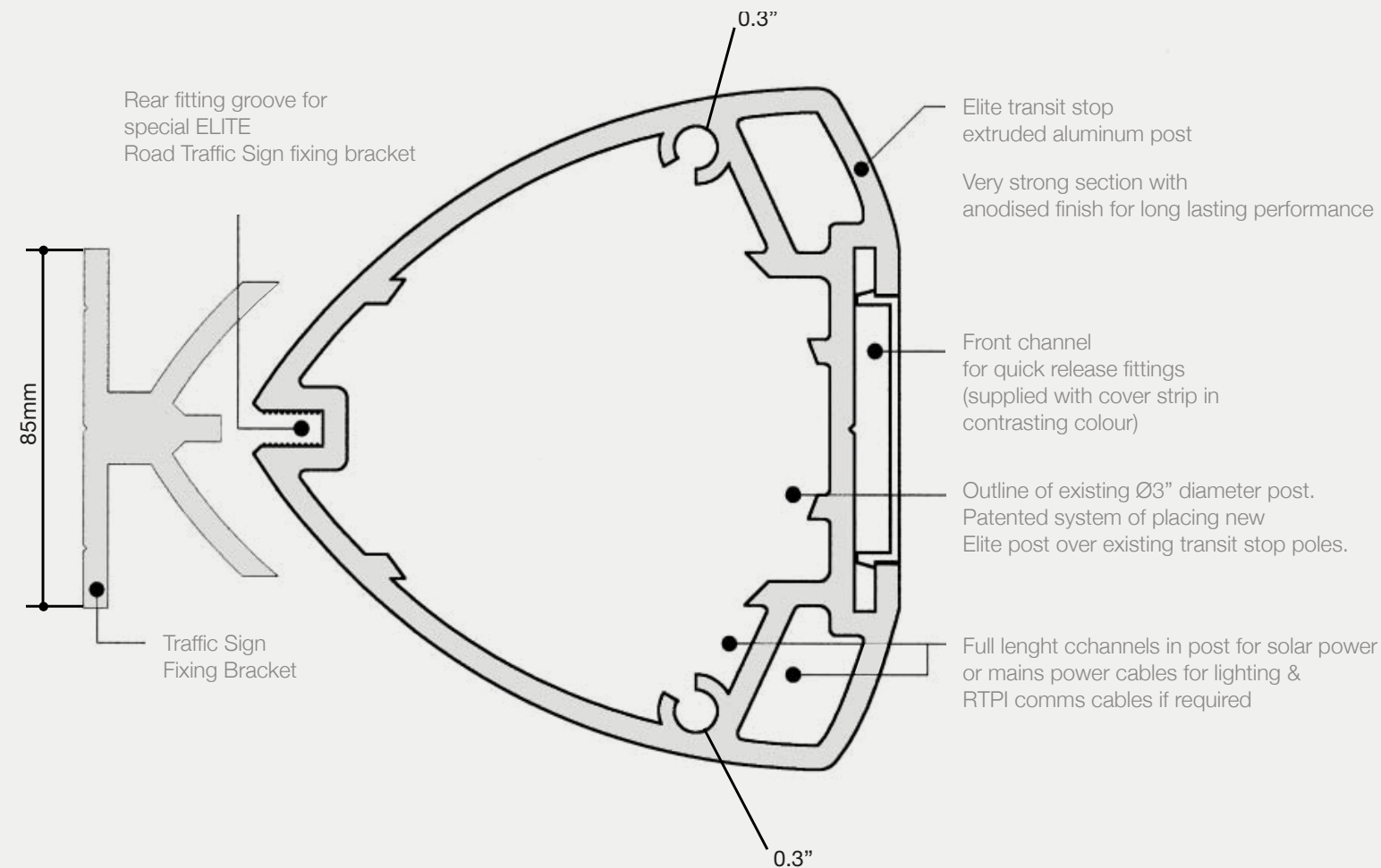
RTI Flags

Future Systems’s Elite transit stop system has been specifically designed to accept RTI display flag blade signs.

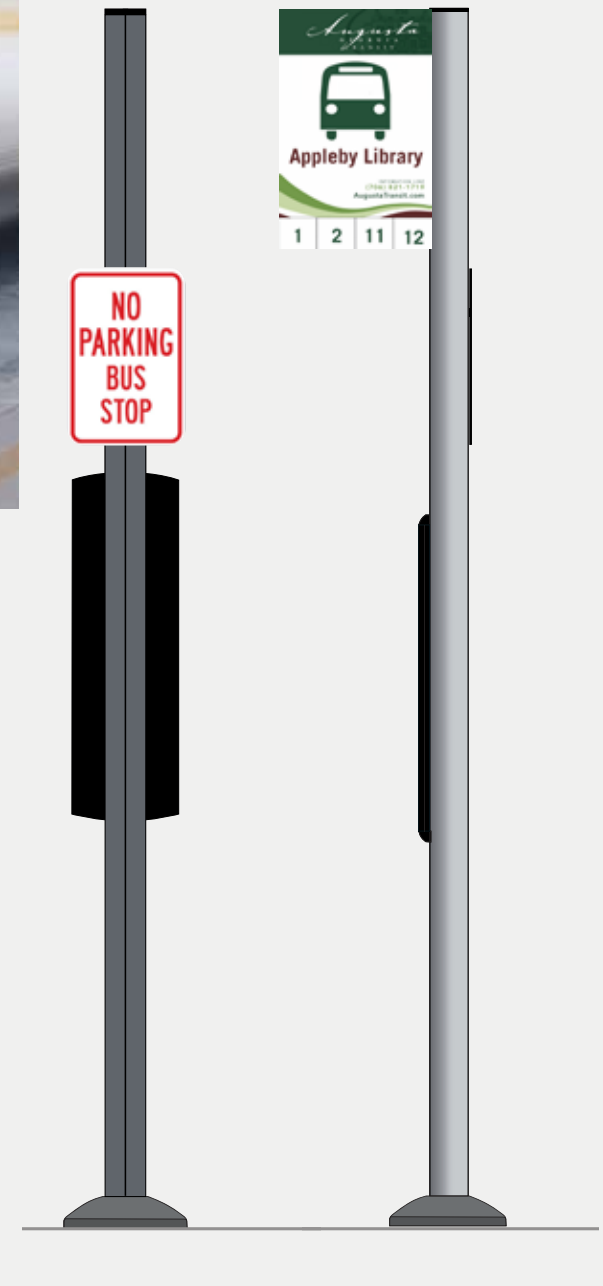
Future Systems’s sister company Ferrograph, is the UK’s leading manufacturer of these digital flag display signs, and supplied these to the transit stop, shelter and real time display market. These flag signs have been designed to work in harmony with the Elite transit stop pole.

Elite Transit stop No Parking Sign

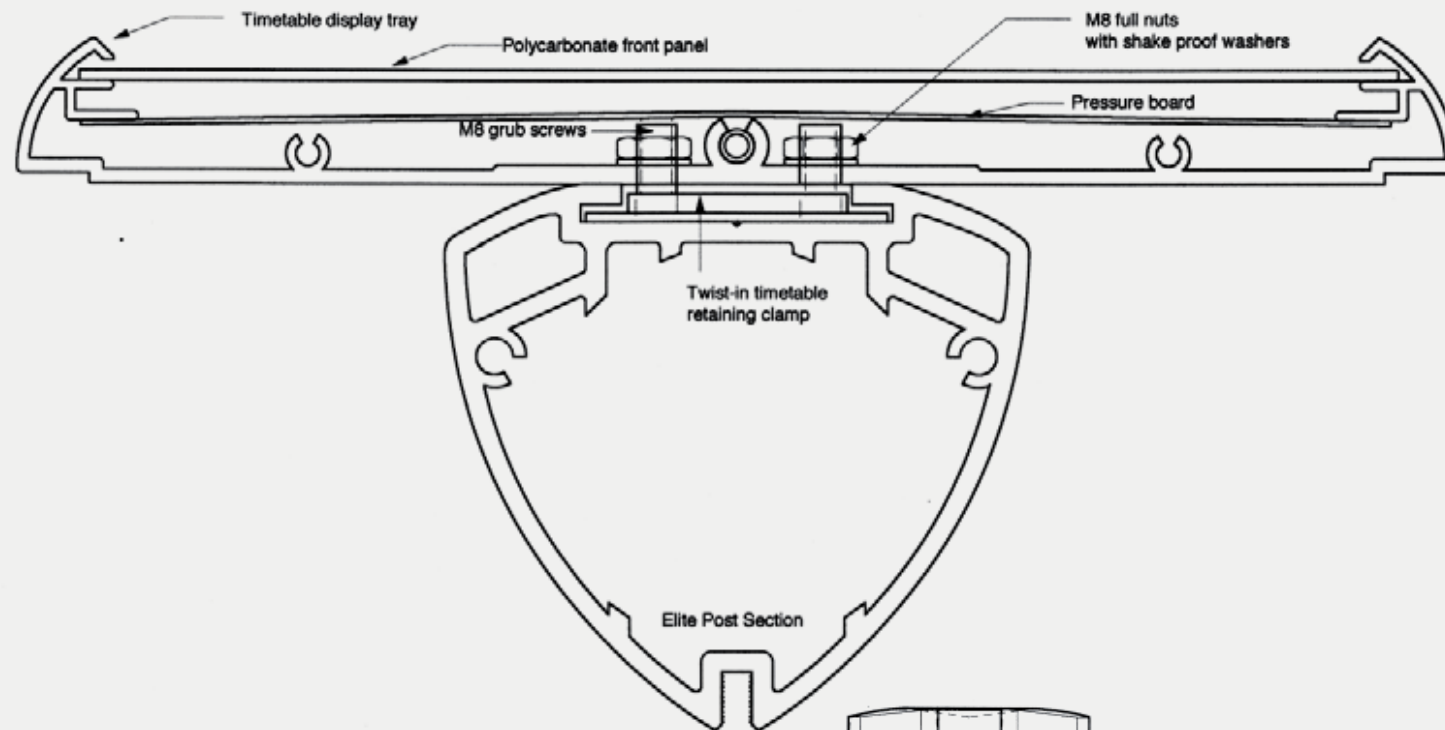
Fitting of No Parking Road Signs



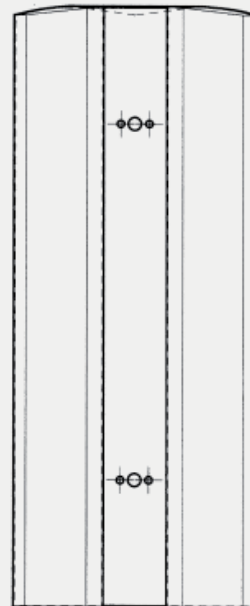
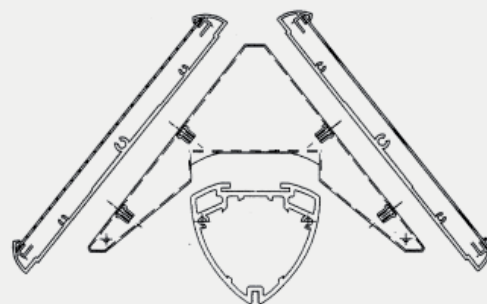
Future Proofed System



Elite Transit stop Adaptor Details



Stainless steel double connector spine



Rear view of connector spine - NO gaps to trap litter or bombs.

Stainless steel! Non-rust!

This enclosed system is Future Systems' design and protected. Future Systems is the only supplier that can offer this enclosed system.

Route Double/Triple Adaptor Details

Features:

- Robust and attractive route case design
- Anti-tamper security screw entry
- Innovative (design protected) double & triple case connector
- Smooth, curved edges
- Quick and easy fitting of display material
- Raised letter 'B' option for partially sighted
- High quality display presentation
- Cases can be upgraded to be illuminated

Material & finish

- Route tray:- extruded aluminum alloy
- Top caps:- exterior quality polycarbonate
- Top cap (alternative):- also available in die cast aluminum alloy
- Display lens:- 2mm thick clear polycarbonate
- Pressure board:- 1.2mm thick aluminum alloy
- Double & triple spine:- stainless steel

Range of widths and lengths available to suit your needs

Special Route Display Option

Multiple Route Connector

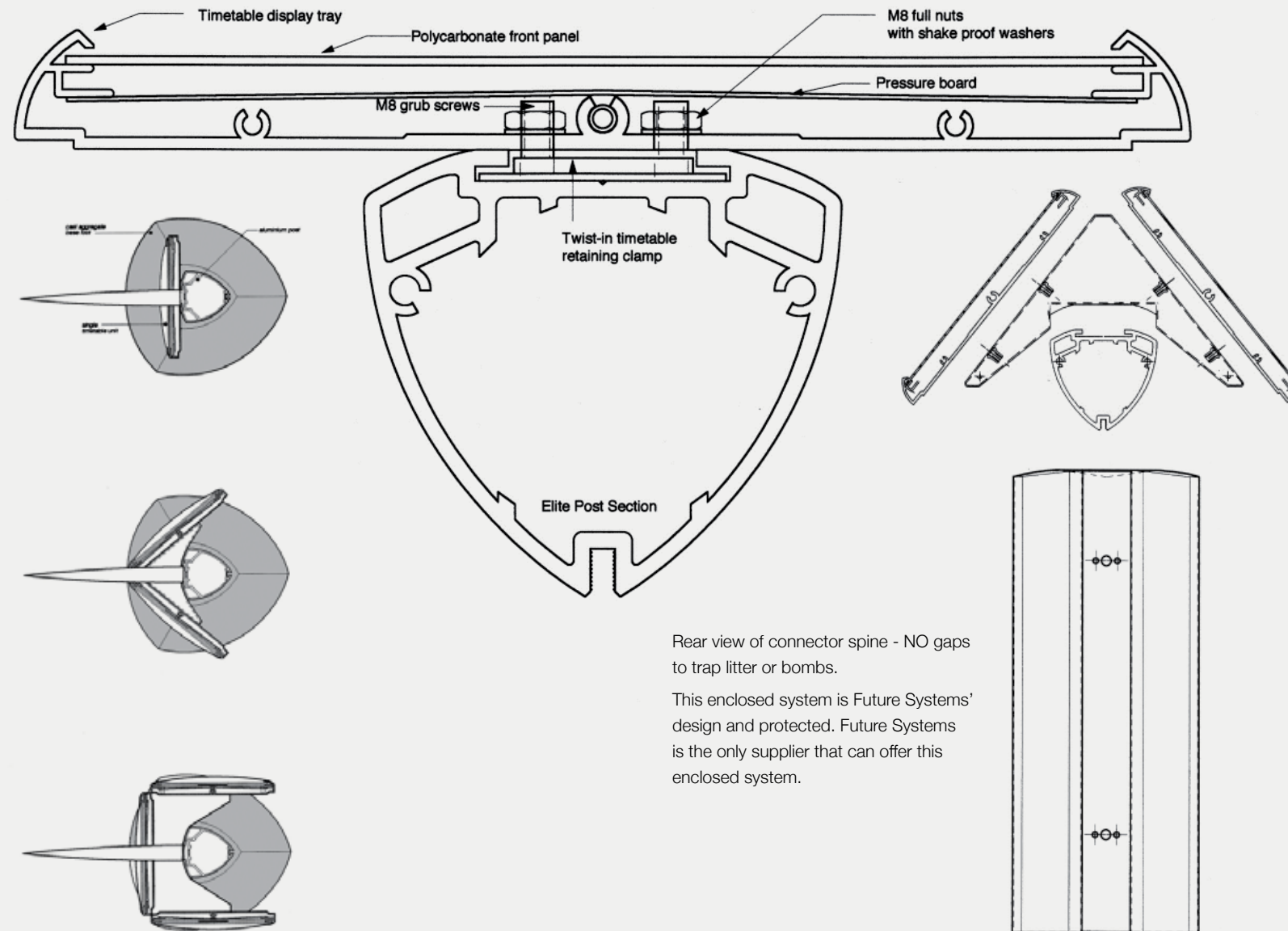
Multiple Route Connector (Fully enclosed)

Features:

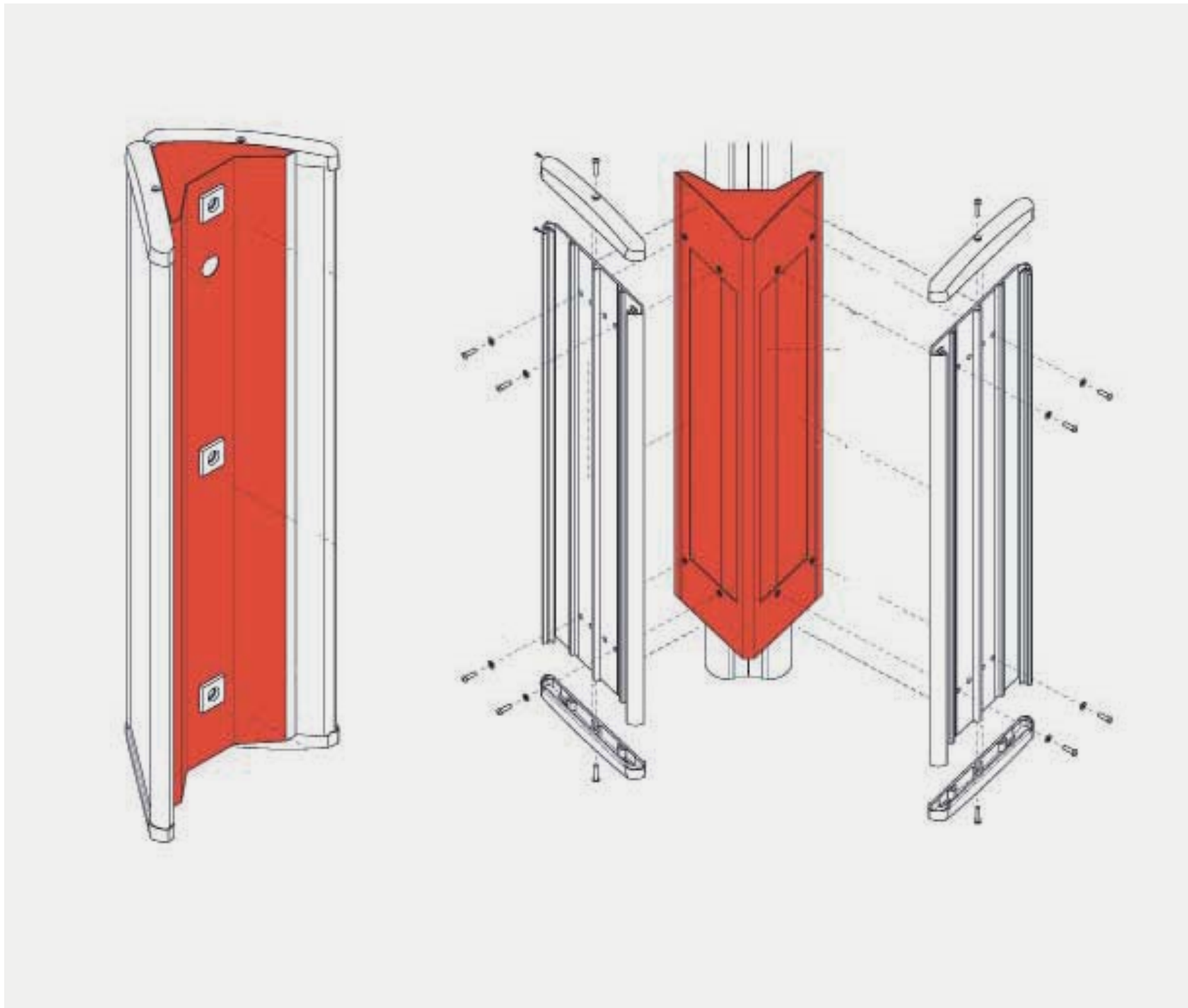
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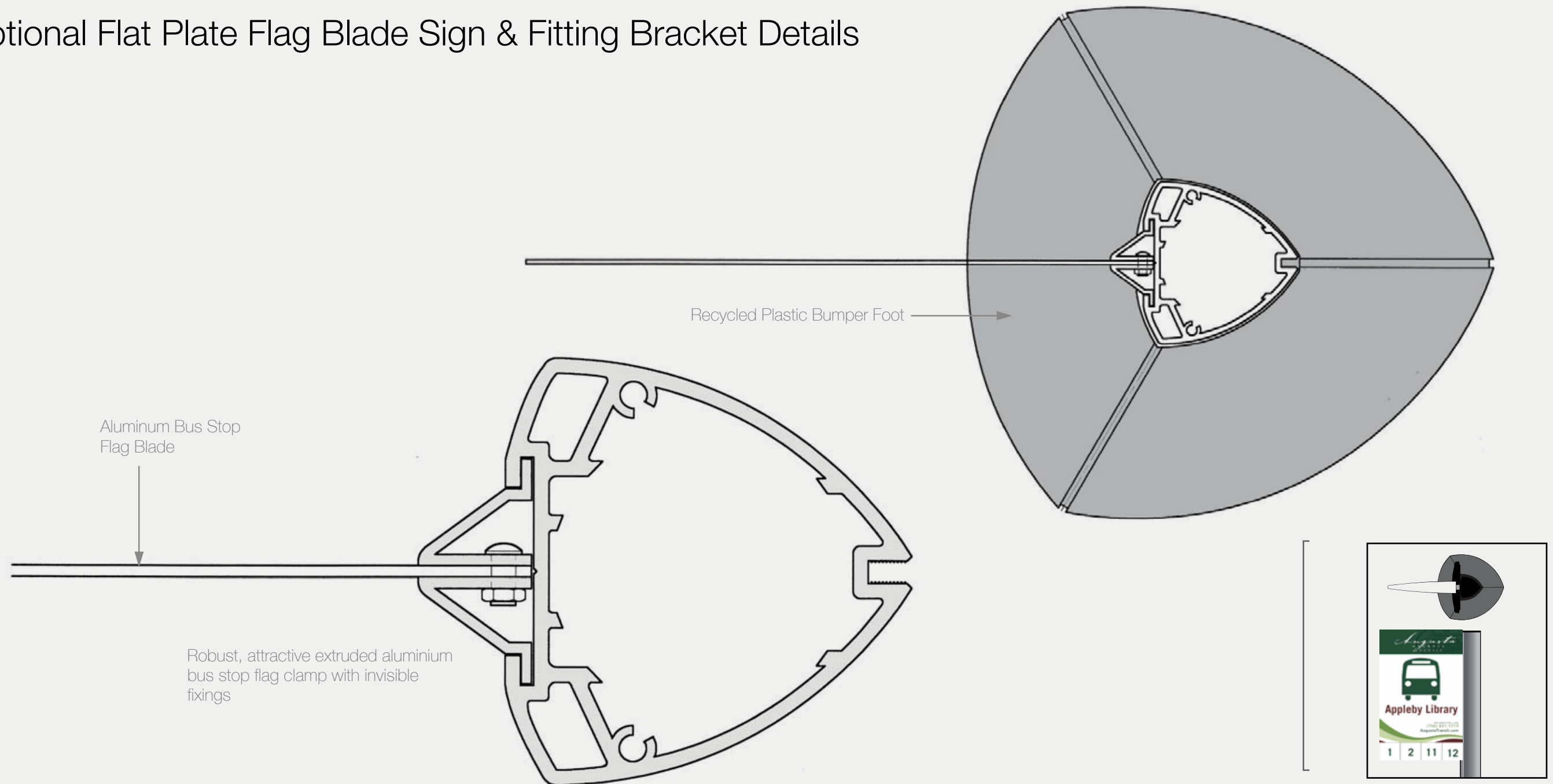


Connector Brackets Double & Triple

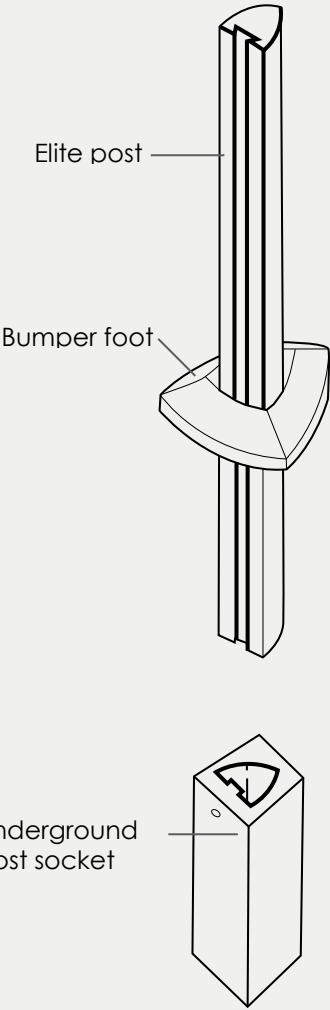


Elite Transit stop Flat Plate

Optional Flat Plate Flag Blade Sign & Fitting Bracket Details

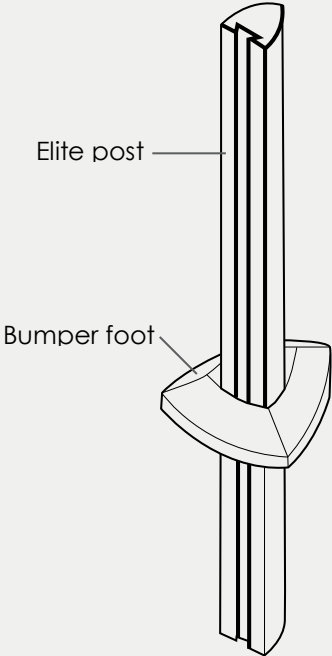


Elite Transit stop Foundation Options



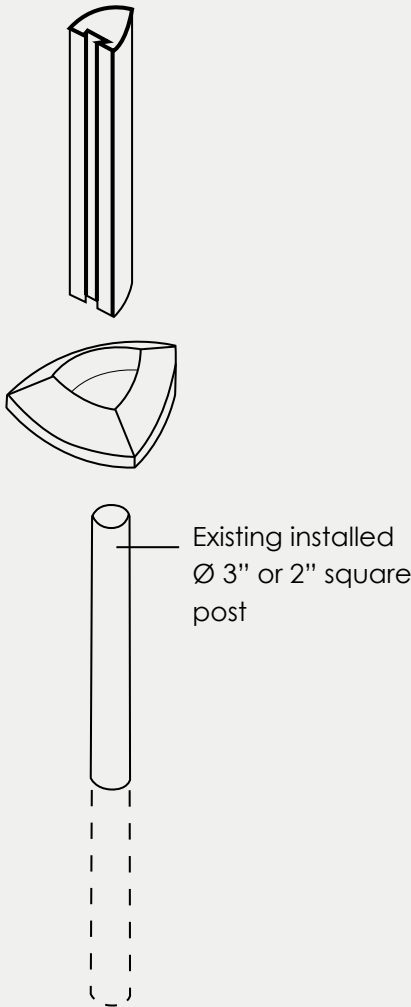
Standard Foundation
Special underground socket system

Option 1



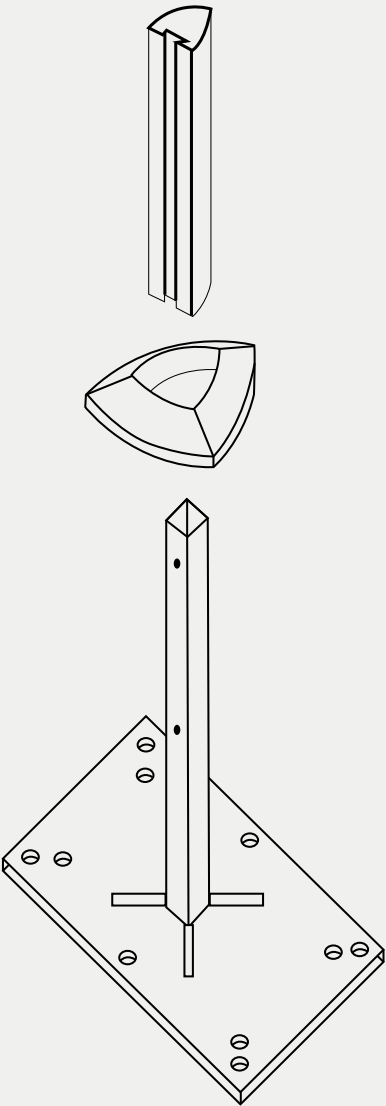
Post cast directly into ground

Option 2



Future Systems Patented Design
Post over post (sleeve) option
3" diameter or 2" square

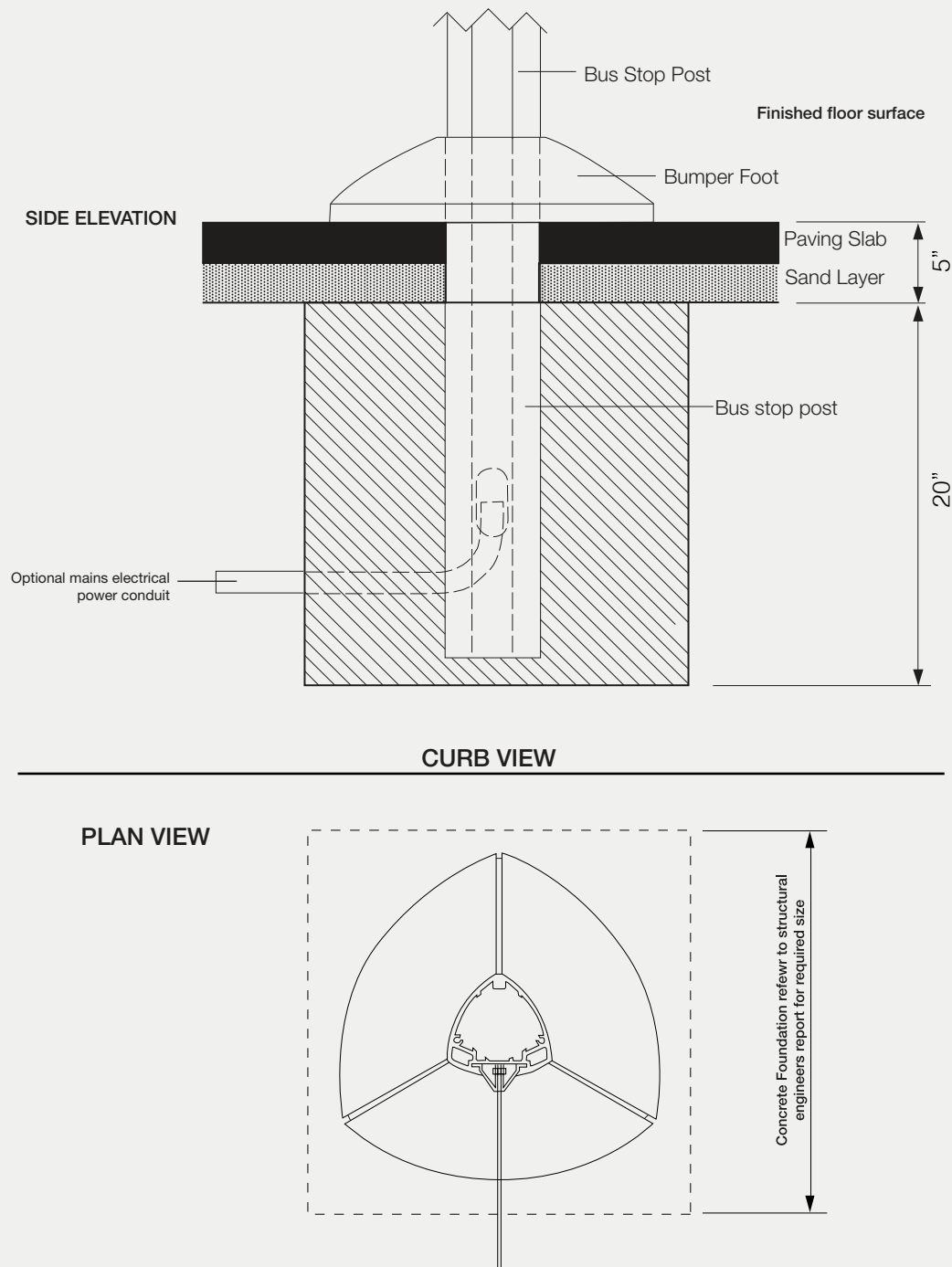
Option 3



Restricted Depth Foundation
(used over services, cellers etc.)

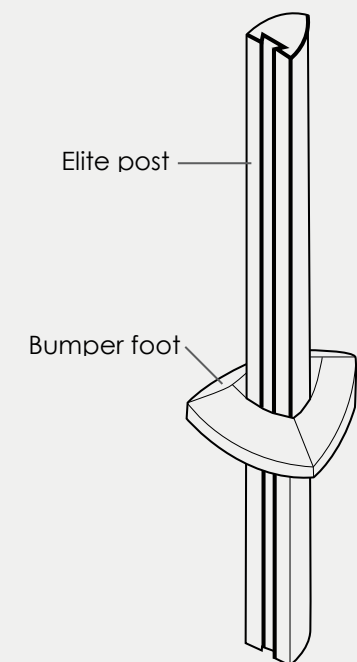
Option 4

Elite Transit stop Foundation Option 2

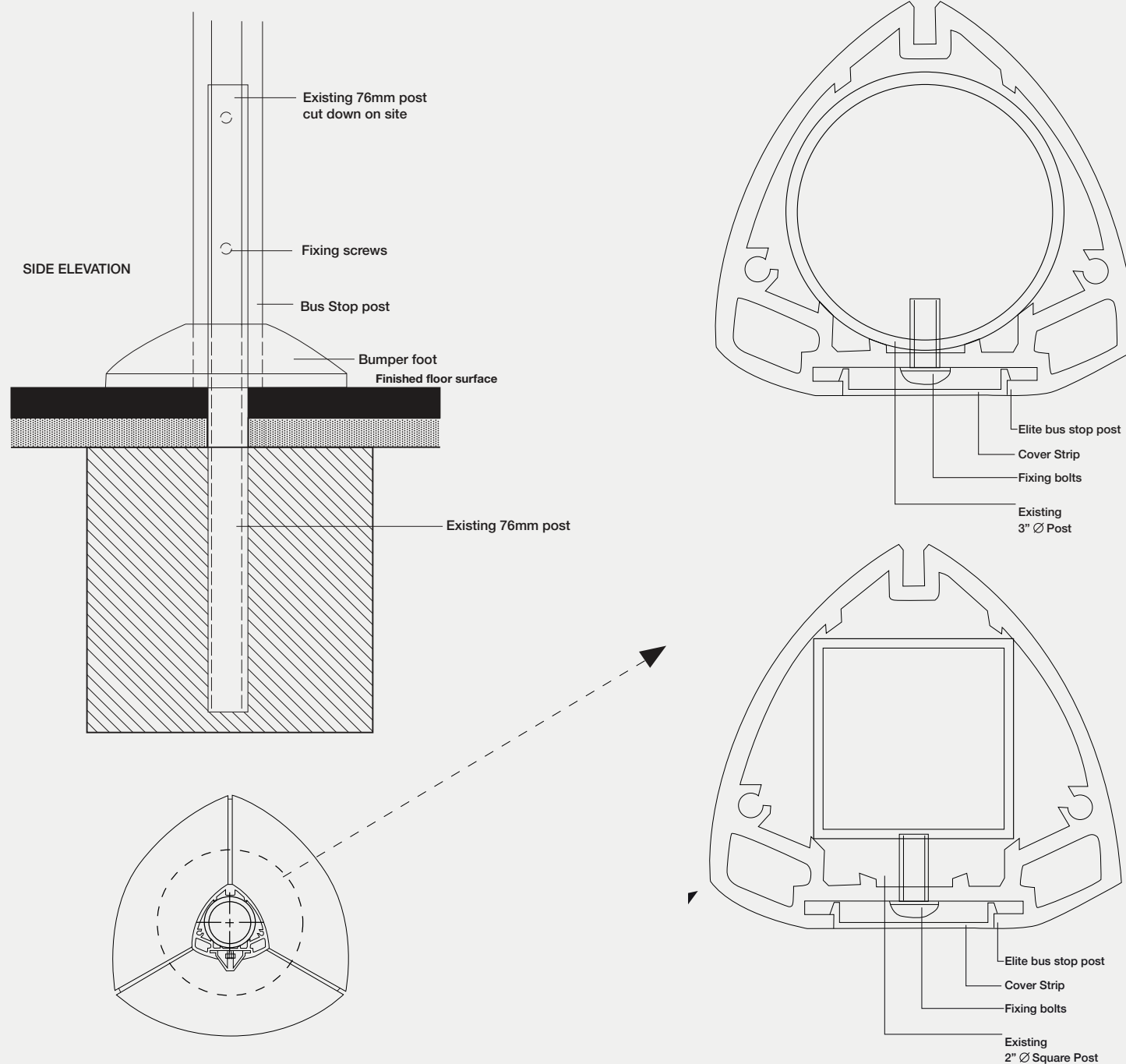


Elite Foundation Option 2

Future Systems's Elite transit stop poles can be installed directly into the ground. The lower (underground) section of the pole is treated with bitumen paint and rapid setting cements are recommended to aid quick, accurate setting of the post.



Elite Transit stop Foundation Option 3

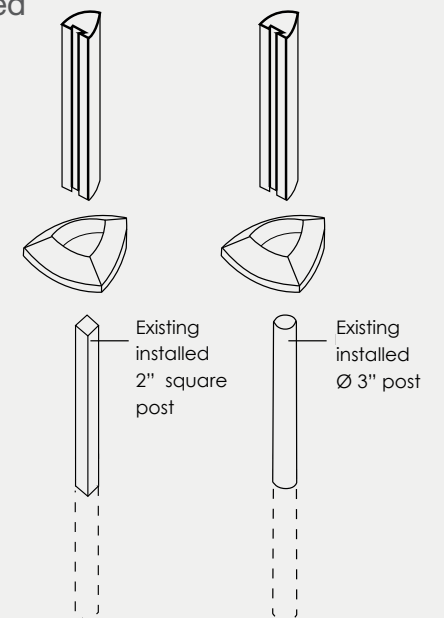


Elite Foundation Option 3

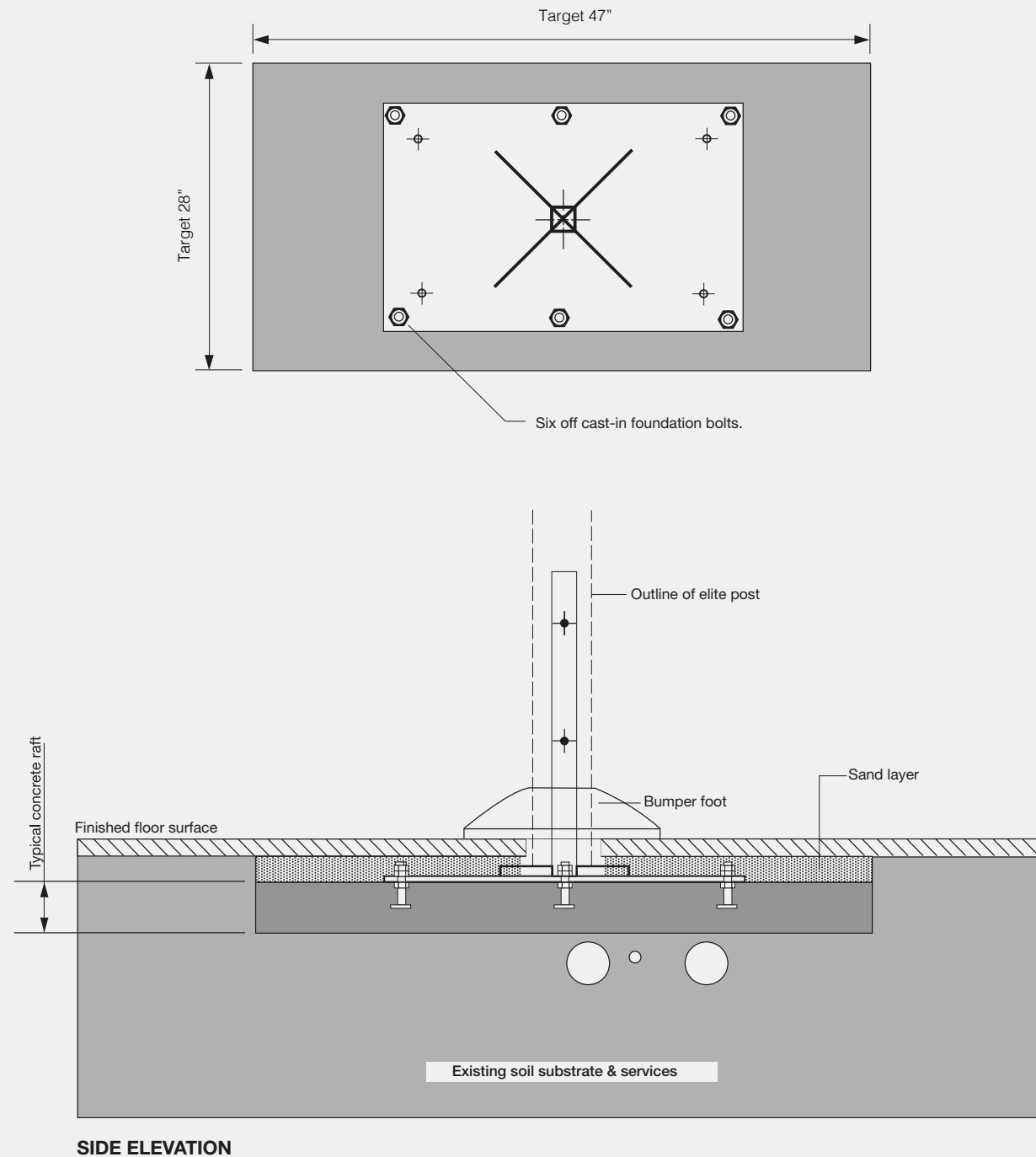
Future Systems's patented post over post system enables the rapid installation of transit stop poles, without having to break into the finished floor surface. Designed for low cost, rapid erection of transit stop poles, the post over post system has been used successfully in many applications.

Advantages of the socket system include:

- Rapid installation of transit stop poles,
- Low cost
- Opening notices and utilities information not required
- No civils work and re-instatement required
- Can use non-civils installation teams



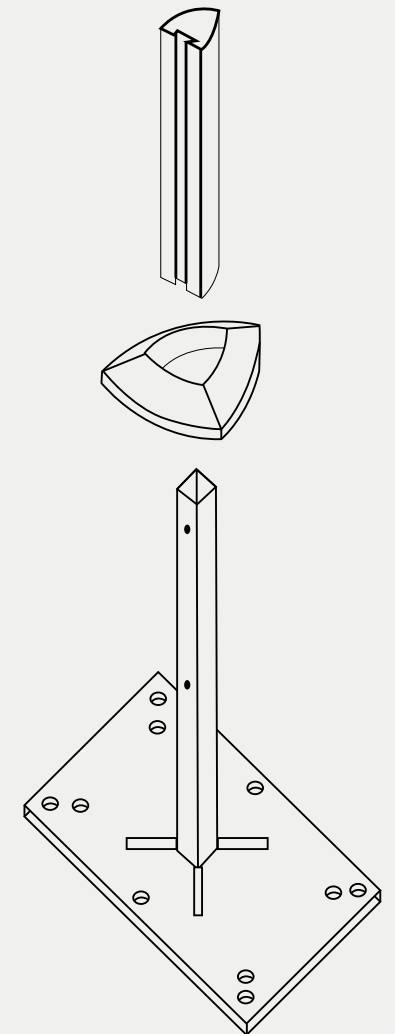
Elite Transit stop Foundation Option 4



Elite Foundation Option 4

Future Systems's restricted depth foundation system enables the safe, secure installation of transit stop poles at difficult locations which would otherwise inhibit installation, including:-

- Underground services,
- Very hard digs / concrete rafts
- Cellars
- Underground car parks
- Bridges
- Large tree roots



Elite Transit stop Extended Range

2

Elite Transit stop Extended Range



Advertising Display



Advertising Display

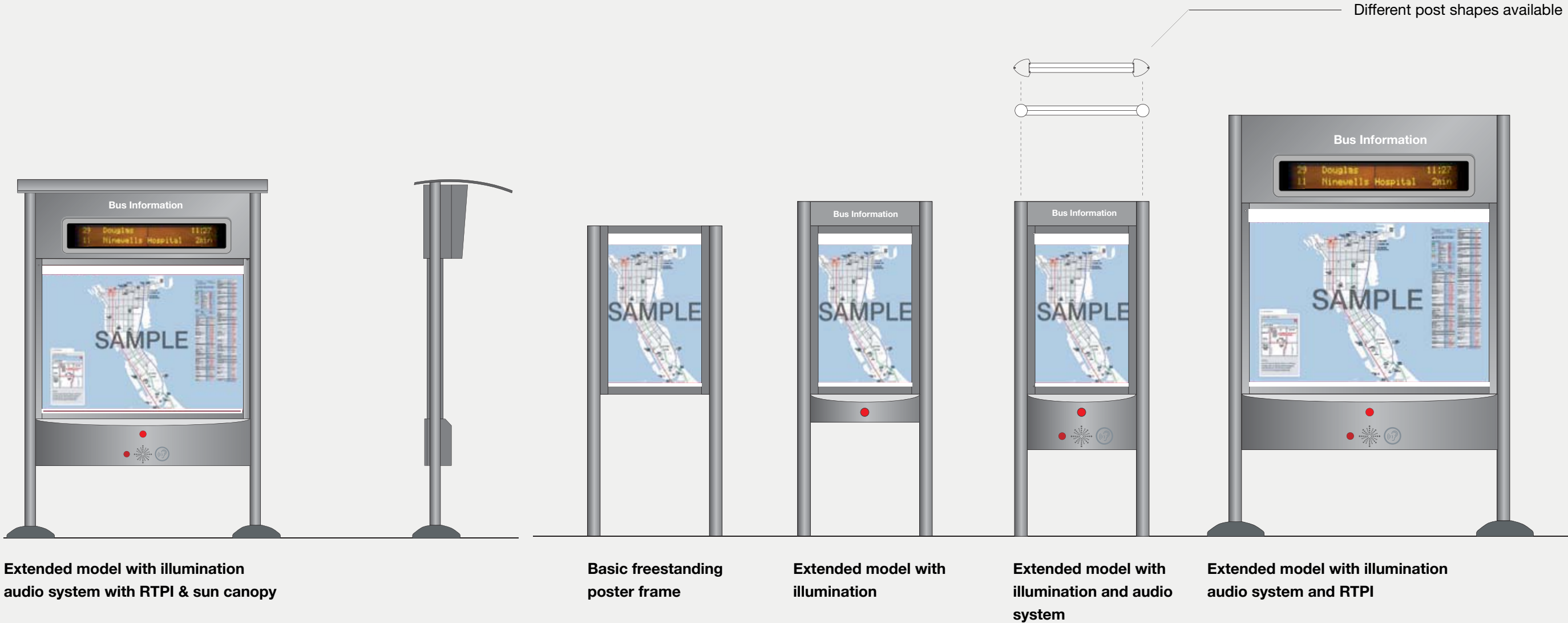


Totem with RTPI and Audio



Totem with Audio

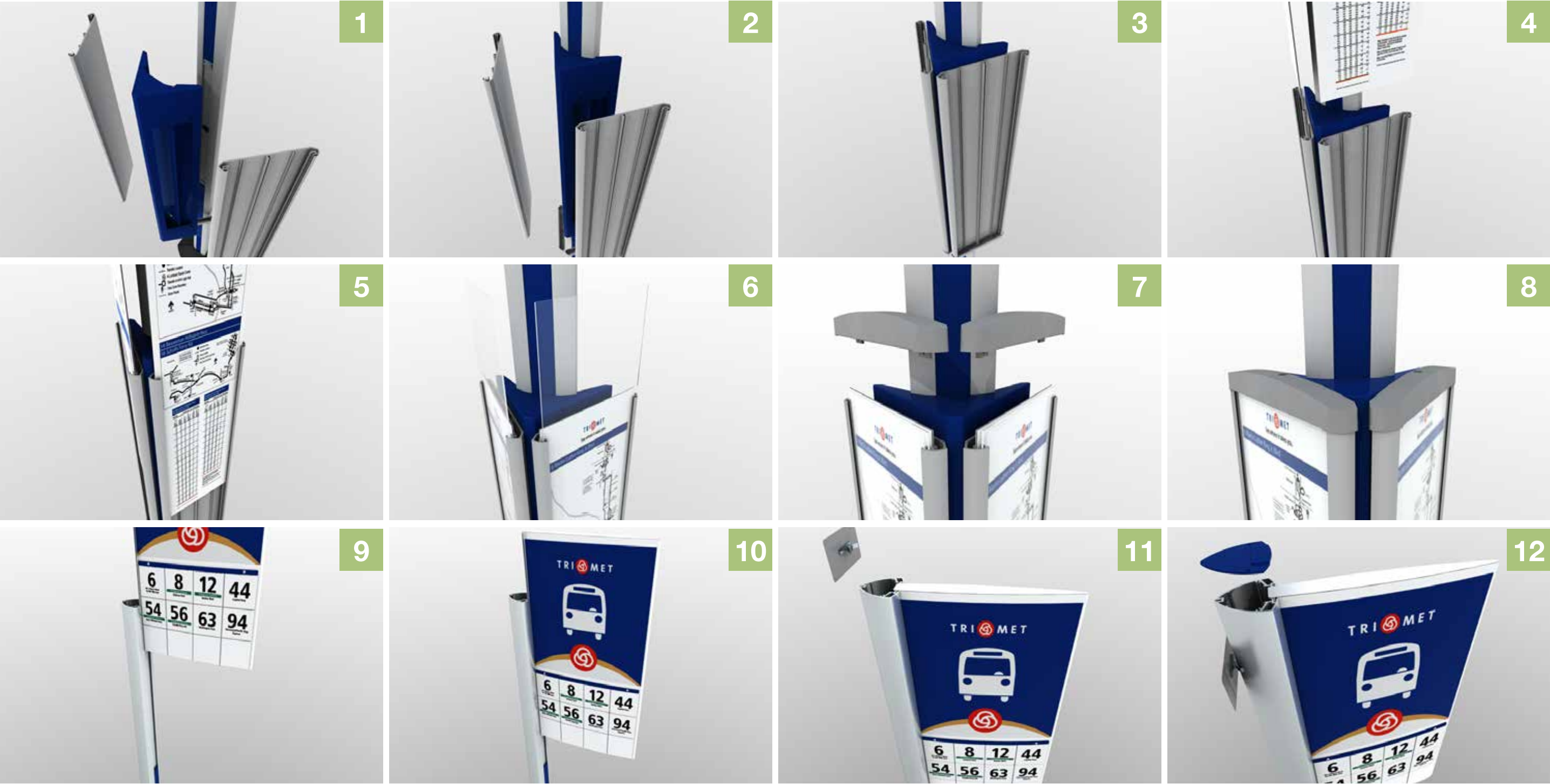
Elite Transit stop Extended Range



Elite Transit stop Extended Range



Elite Transit stop Anatomy of an Elite Transit Stop



Elite Transit stop Anatomy of an Elite Transit Stop

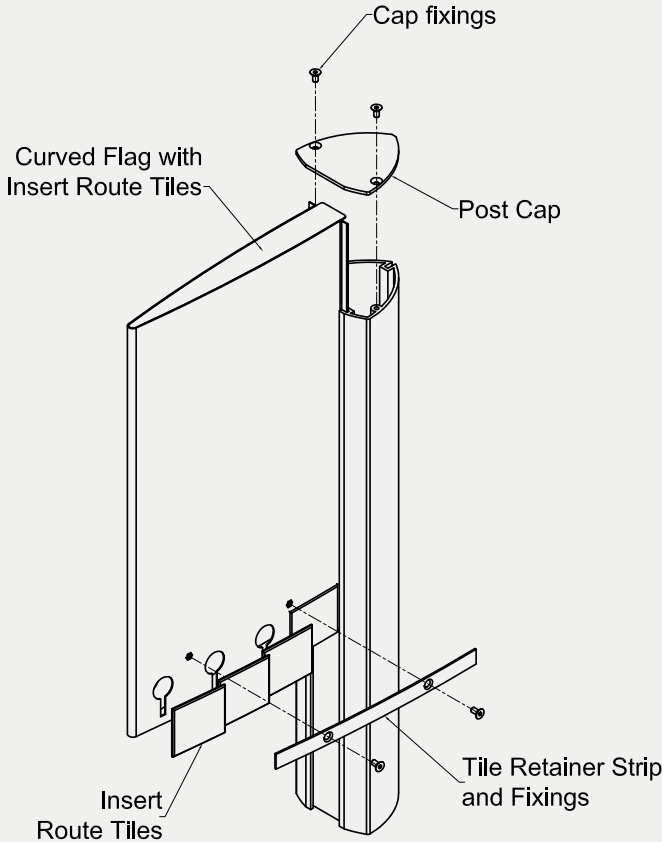


Elite Transit stop Case Study - TfL

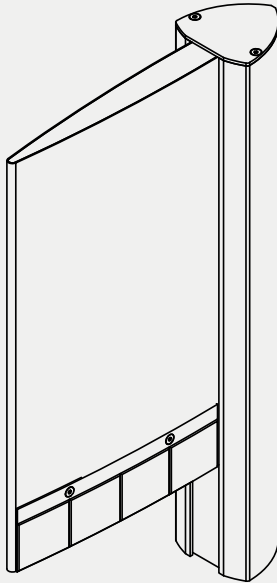


Examples of TfL transit stops manufactured, installed and maintained by Future Systems

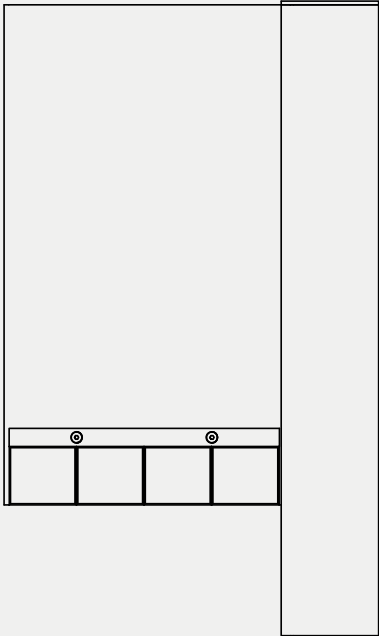
Flag Options Flag Option 1



Exploded Isometric



Front Isometric



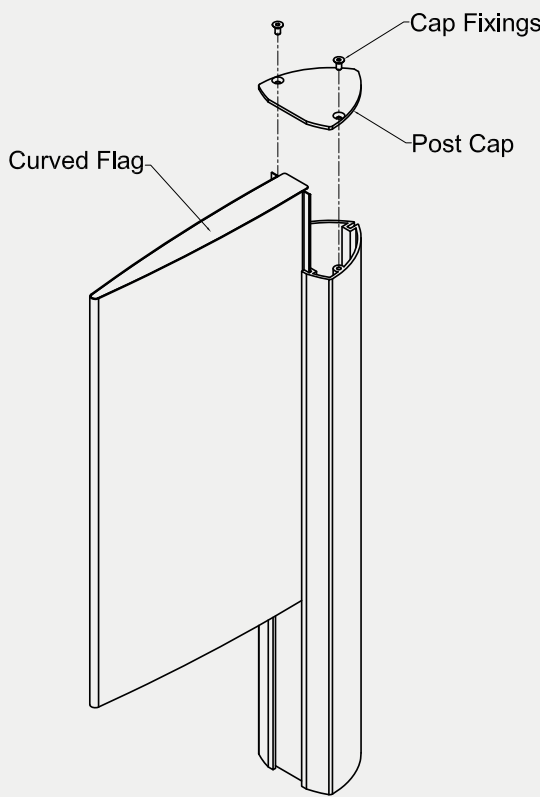
Front Elevation



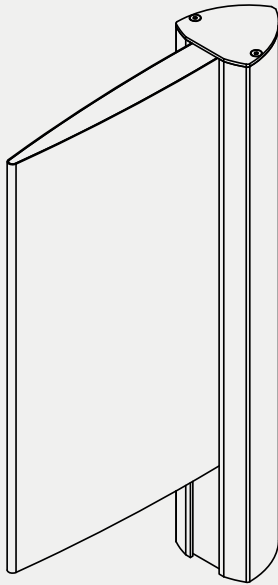
Plan Elevation

Curved route tile flag shown on Elite post - also fits onto Slimline post

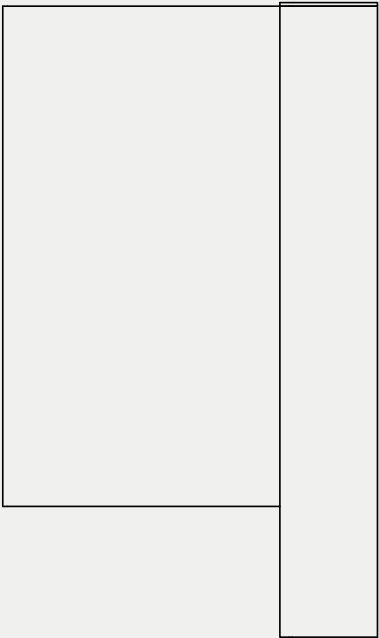
Flag Options Flag Option 2



Exploded Isometric



Front Isometric



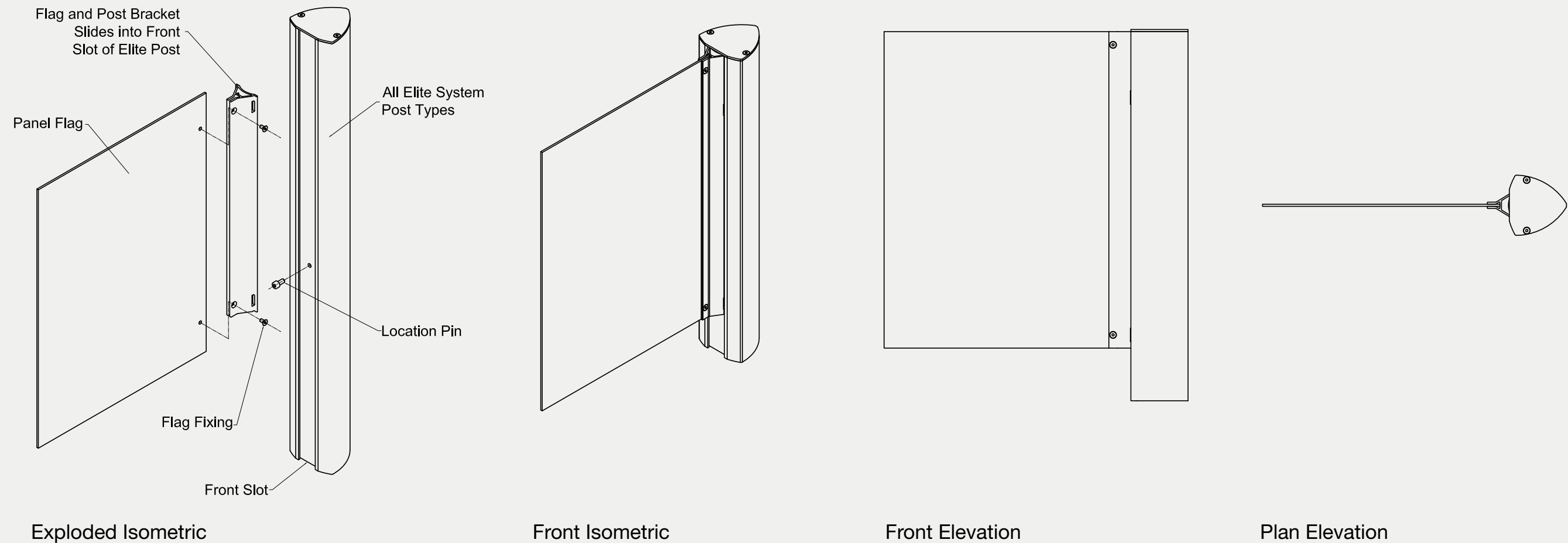
Front Elevation



Plan Elevation

Shown on Elite post - also fits onto Slimline post

Flag Options Flag Option 3



Shown on Elite post - also fits onto Slimline post