PRIVACY SCREEN SYSTEM *by* Longboard®

PREMIUM ARCHITECTURAL PRODUCTS

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PRIVACY SCREEN SYSTEM

-A Premium Longboard Product-

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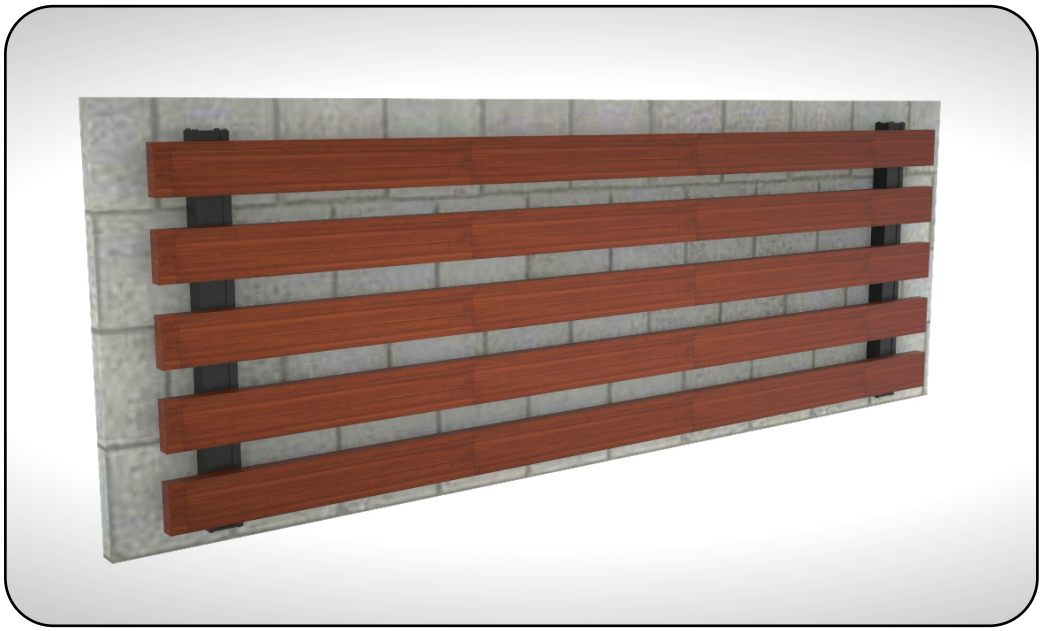
END-FRAME PRIVACY SCREEN



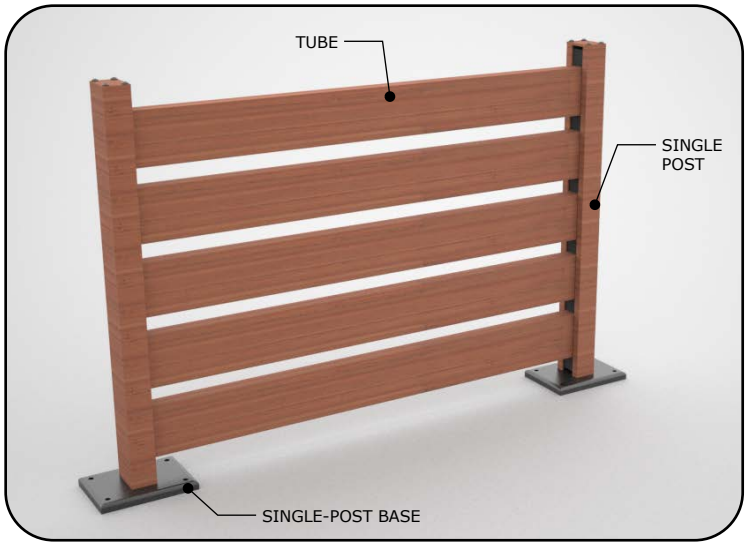
FLOATING PRIVACY SCREEN

Longboard Privacy Screen System features decorated powder-coated aluminum alloy tubes and posts that are offered in wood-grain and solid color finishes. The privacy screen product line includes two types of screening systems: End-Frame and Floating. These give the designer options to create various screening and decoration solutions depending on the functional and aesthetic desires.
The simplicity of the product allows for an easy and straight-forward installation.

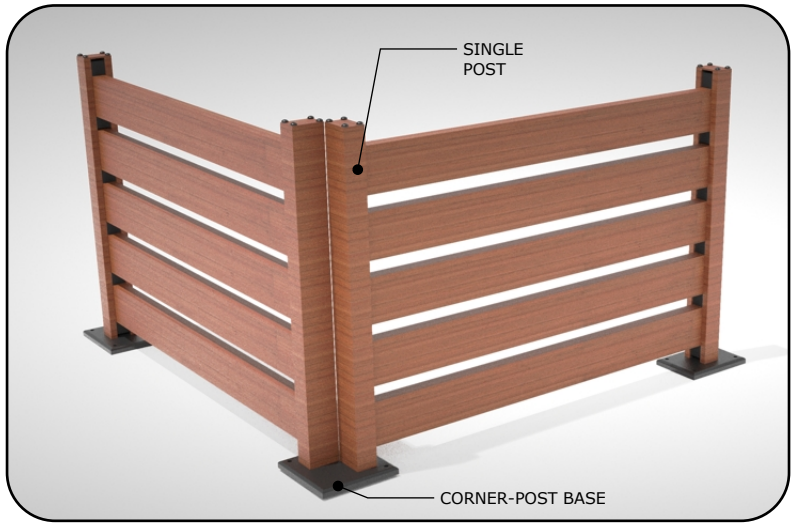
END-FRAME SYSTEM - Typical Configurations

COMMON APPLICATIONS:

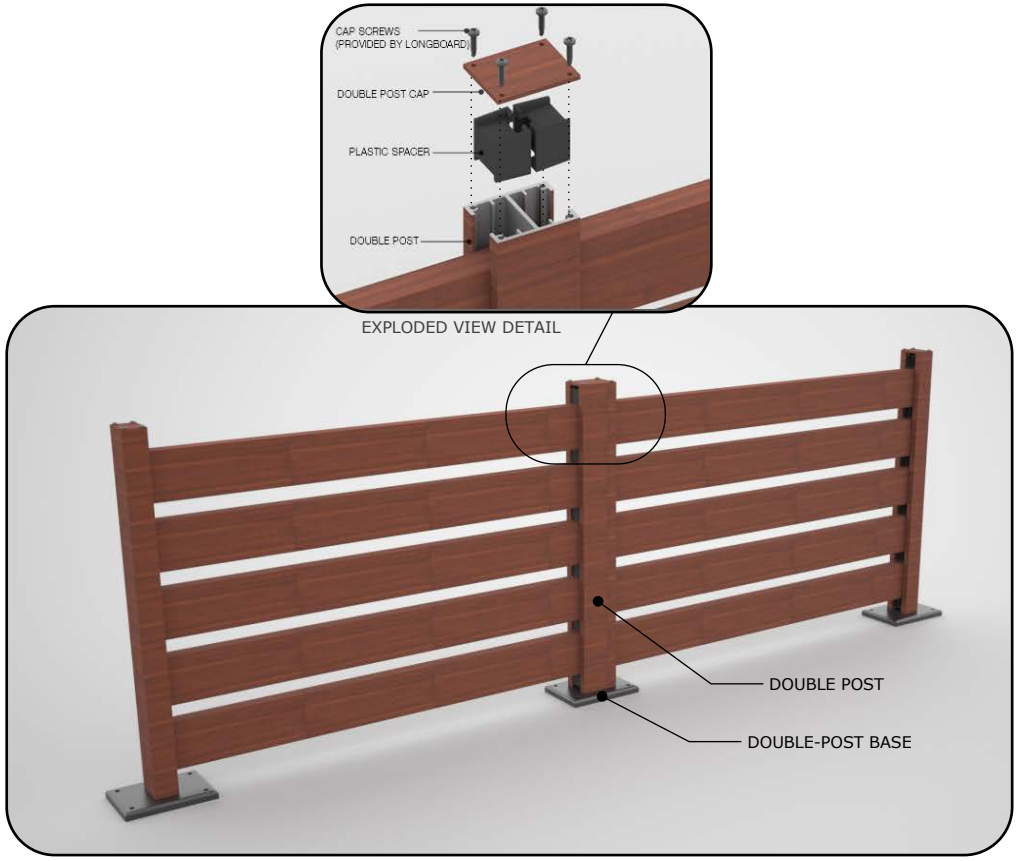
- Free-standing partitions
- Privacy screens around homes, pools, yards, etc.
- Free-standing trellis



END-FRAME SYSTEM - Standard



END-FRAME SYSTEM - Corner



END-FRAME SYSTEM - Continuous

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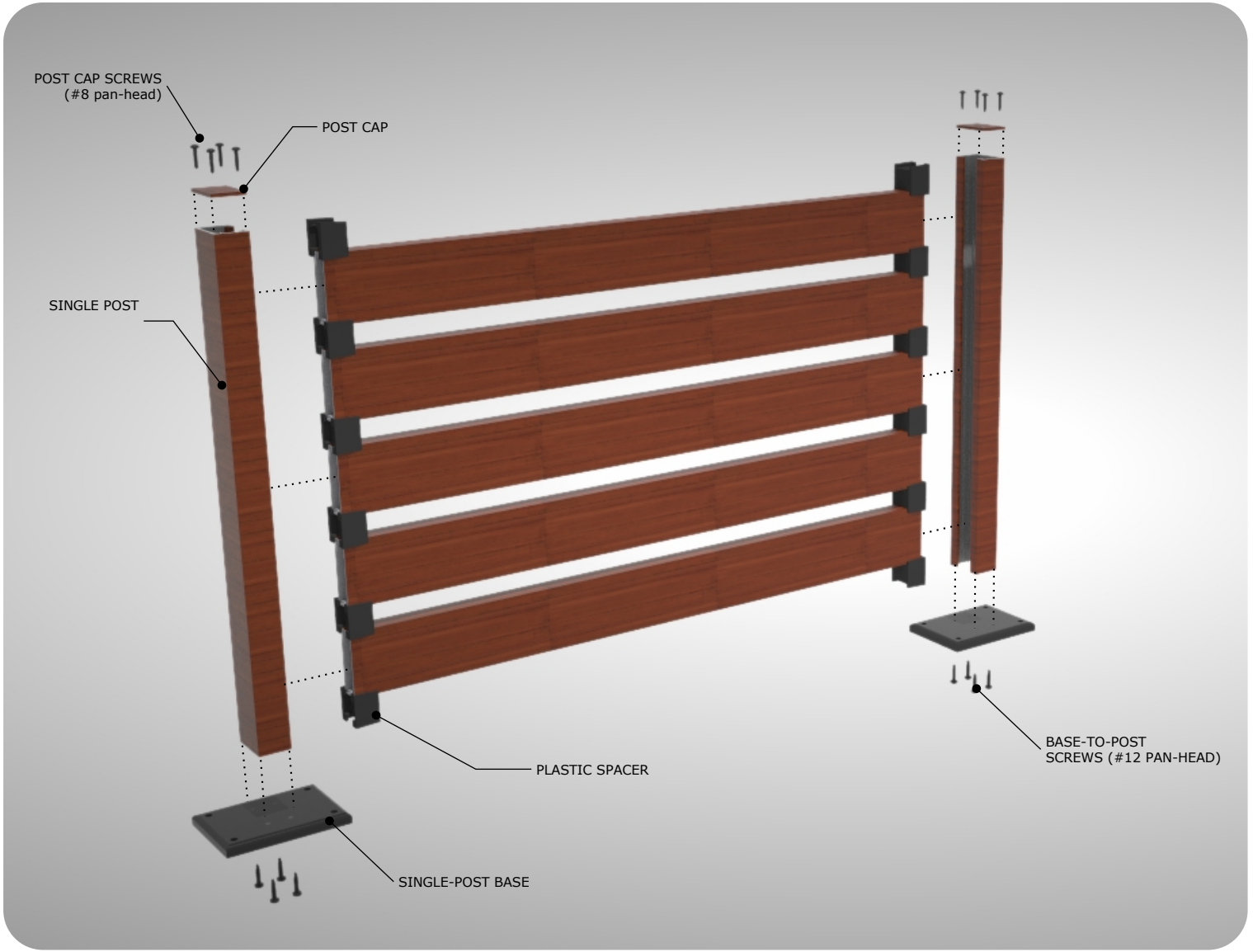
END-FRAME SYSTEM (shown as free-standing) - Exploded View



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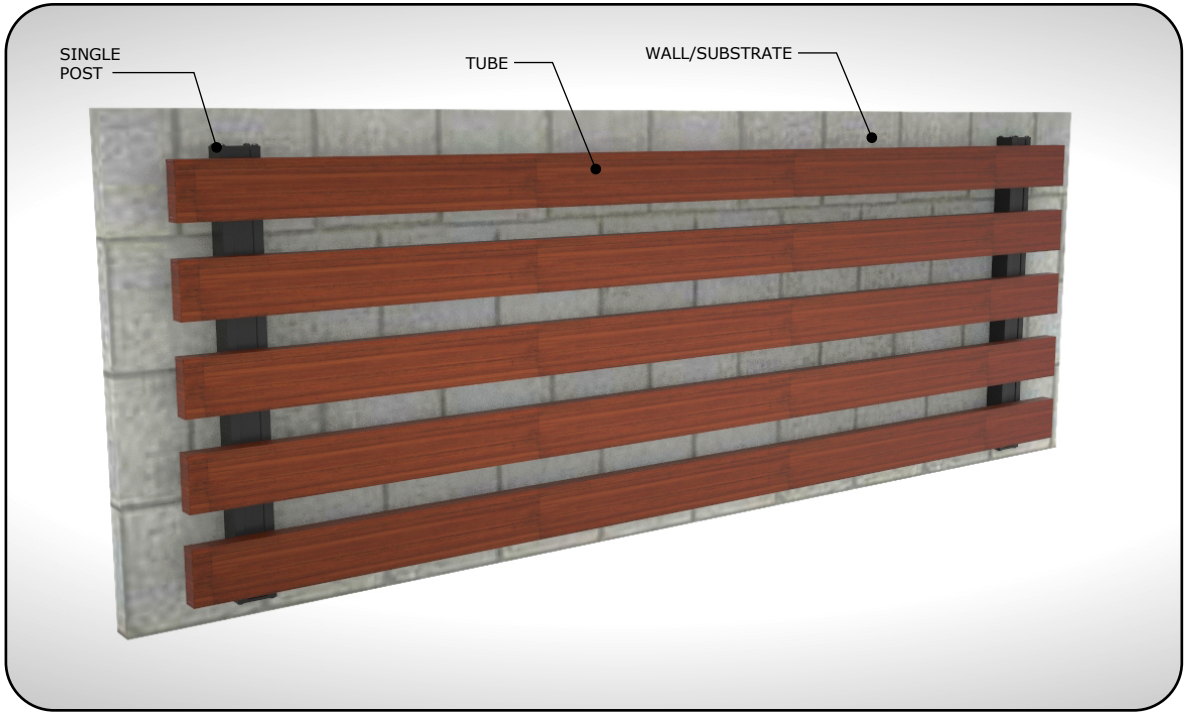
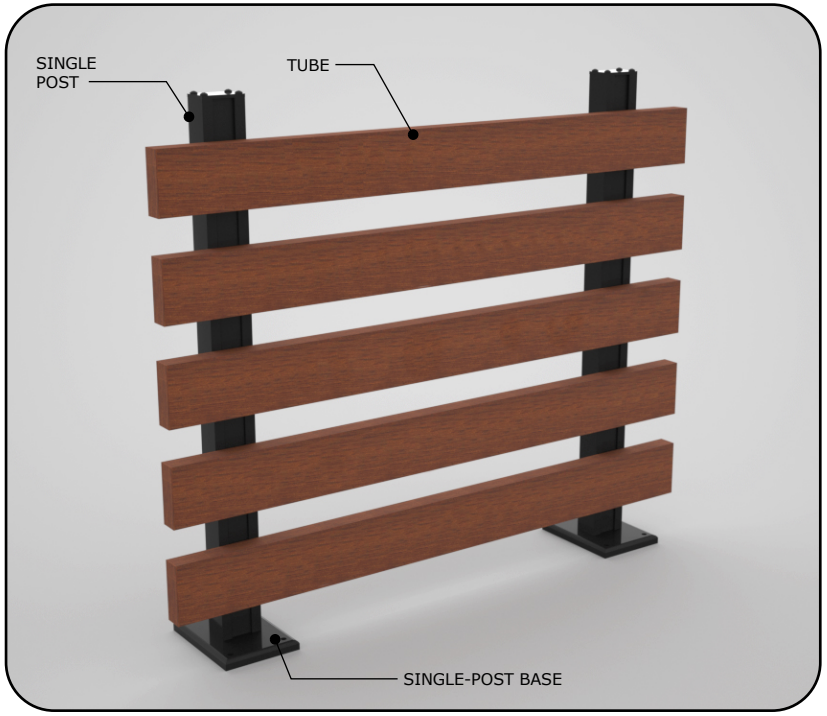
FLOATING SYSTEM - Typical Configurations

COMMON APPLICATIONS:

- Building facade screening / decoration
- Brise soleil
- Screening out / hiding aesthetically unpleasant structures



FLOATING SYSTEM - On Substrate



FLOATING SYSTEM - Free Standing

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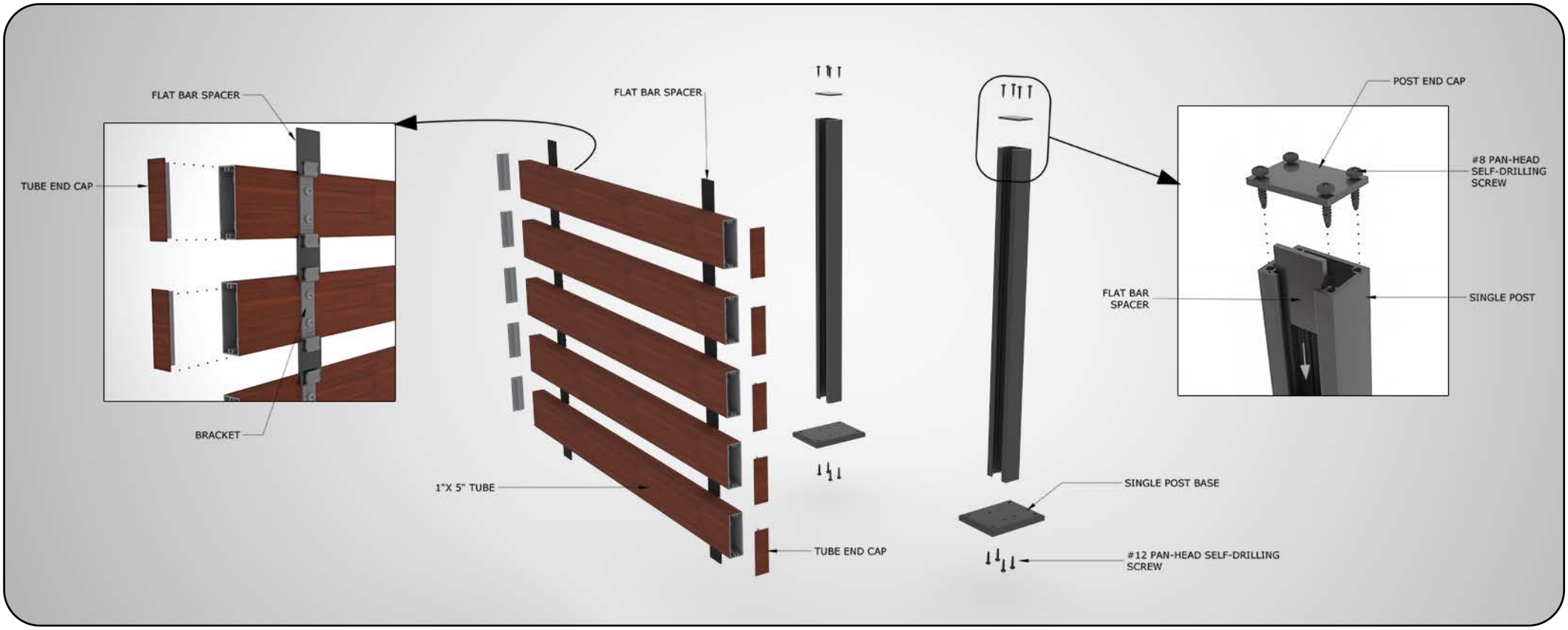
FLOATING SYSTEM (shown as free-standing) - Exploded View



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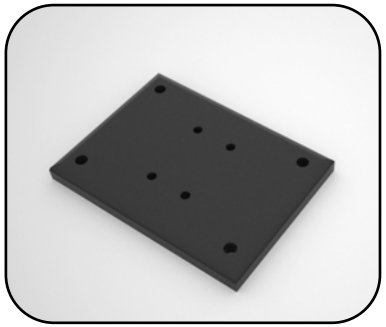
PRIVACY SCREEN SYSTEM - Components

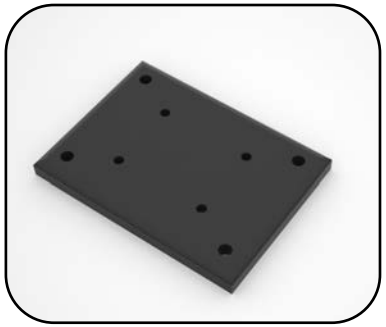
1x5 TUBE

1x3 TUBE

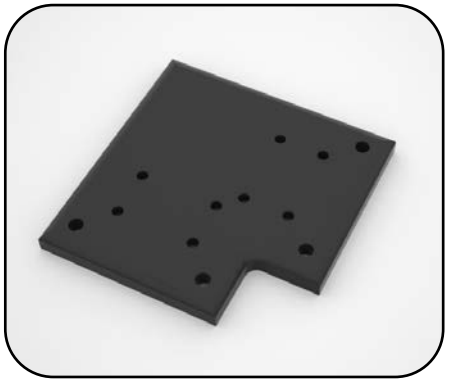
TUBE END-CAP



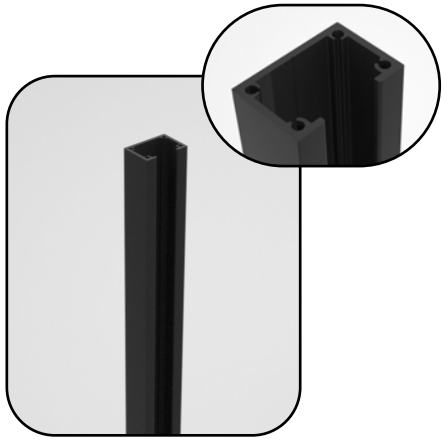
SINGLE-POST BASE
(steel)



DOUBLE-POST BASE
(steel)

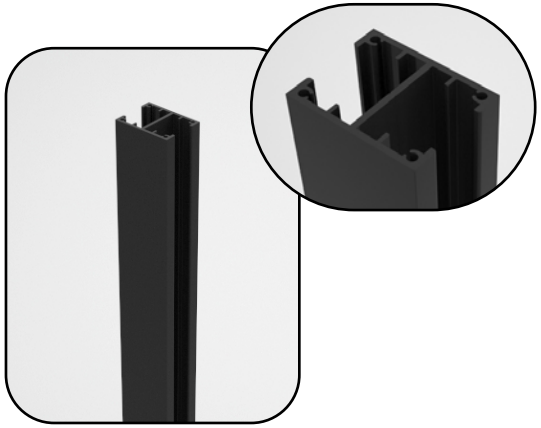


CORNER BASE
(steel)

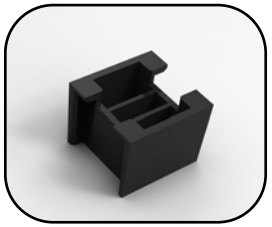


SINGLE POST

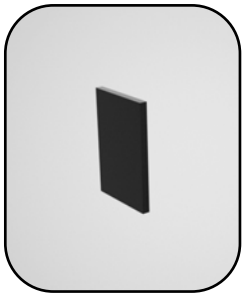
POST CAP



DOUBLE POST



PLASTIC SPACER
(FOR END-FRAME SYSTEM ONLY)



FLAT-BAR SPACER
(FOR FLOATING SYSTEM ONLY)

BRACKET
(FOR FLOATING SYSTEM ONLY)

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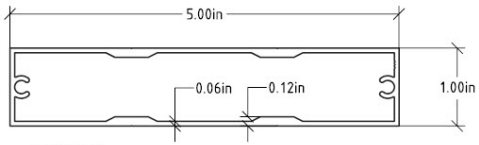
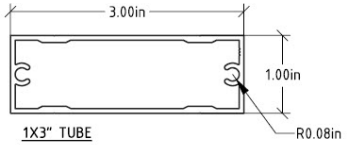
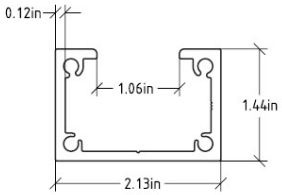
PRIVACY SCREEN SYSTEM - Component Dimensions



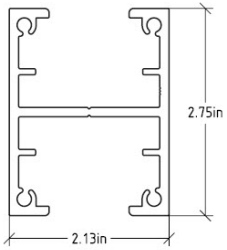
1X5" TUBE



1X3" TUBE



SINGLE-POST



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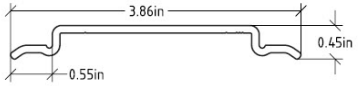

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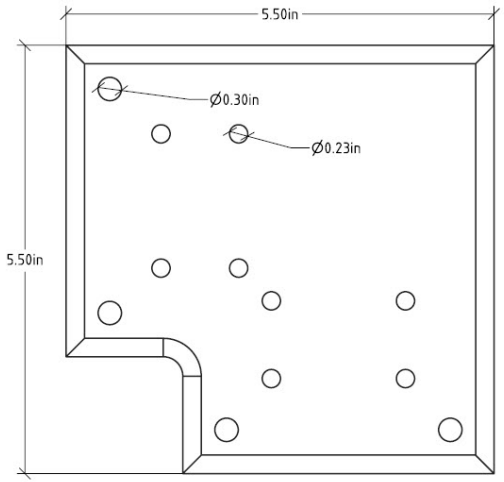
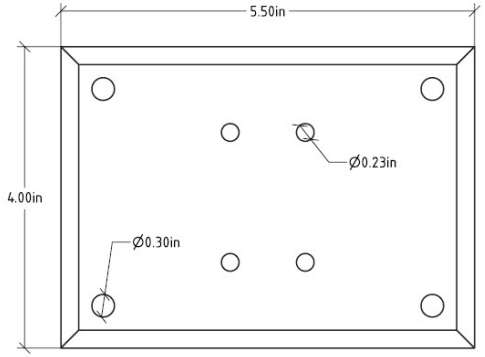


CORNER BASE



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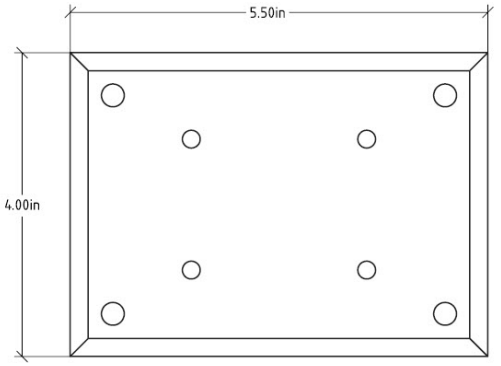

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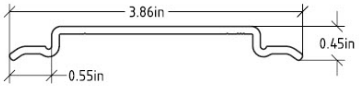

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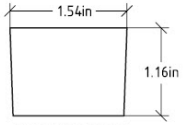
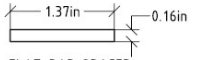
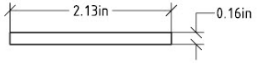


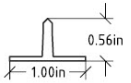
PLASTIC SPACER



FLAT-BAR SPACER



POST CAP



TUBE CAP

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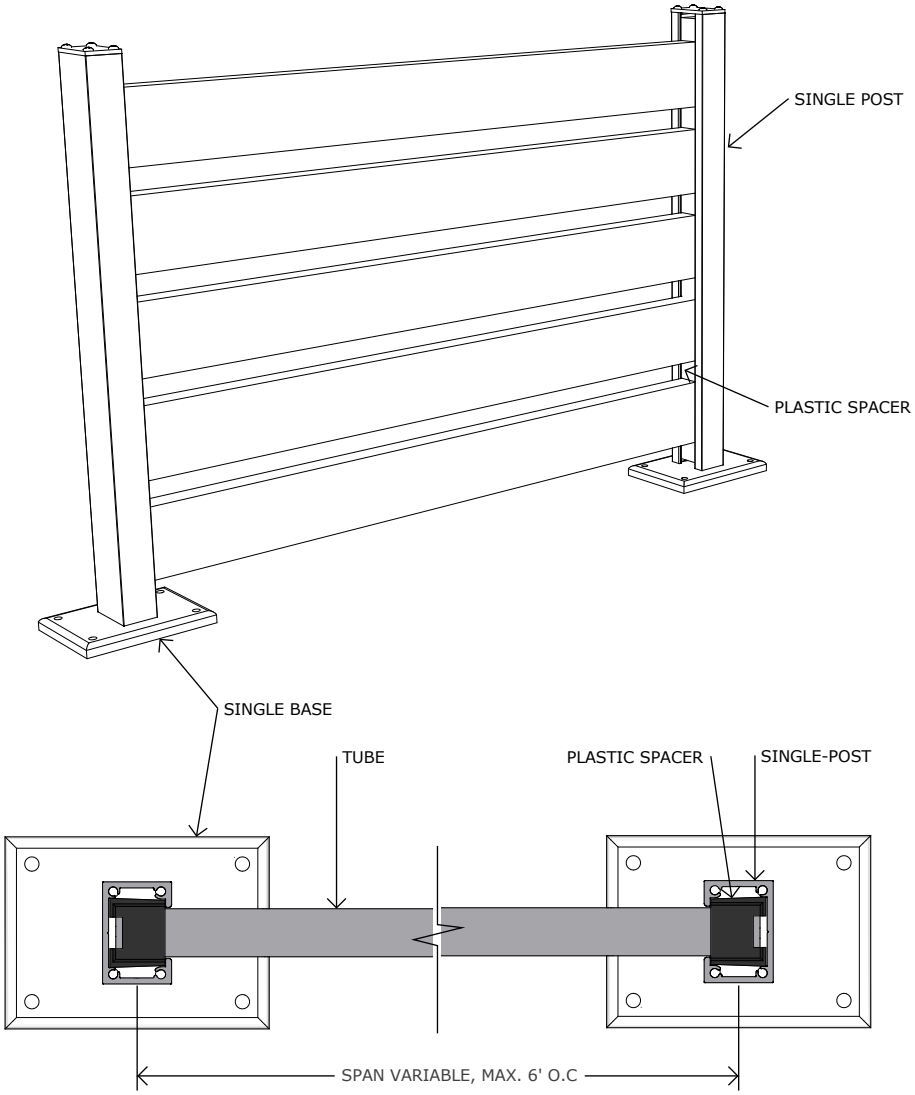
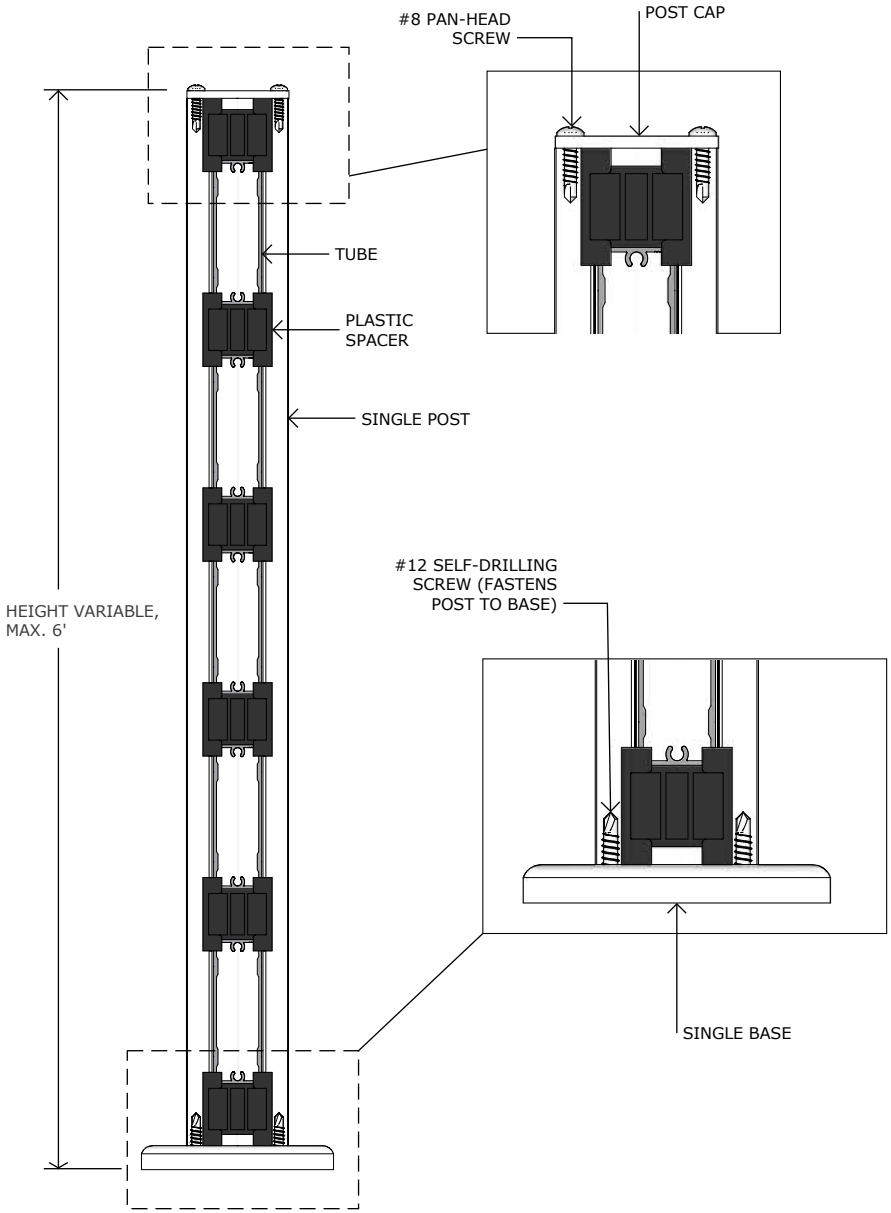
END-FRAME SYSTEM (Free-Standing) - CAD Drawing



TOP SECTION



SIDE SECTION

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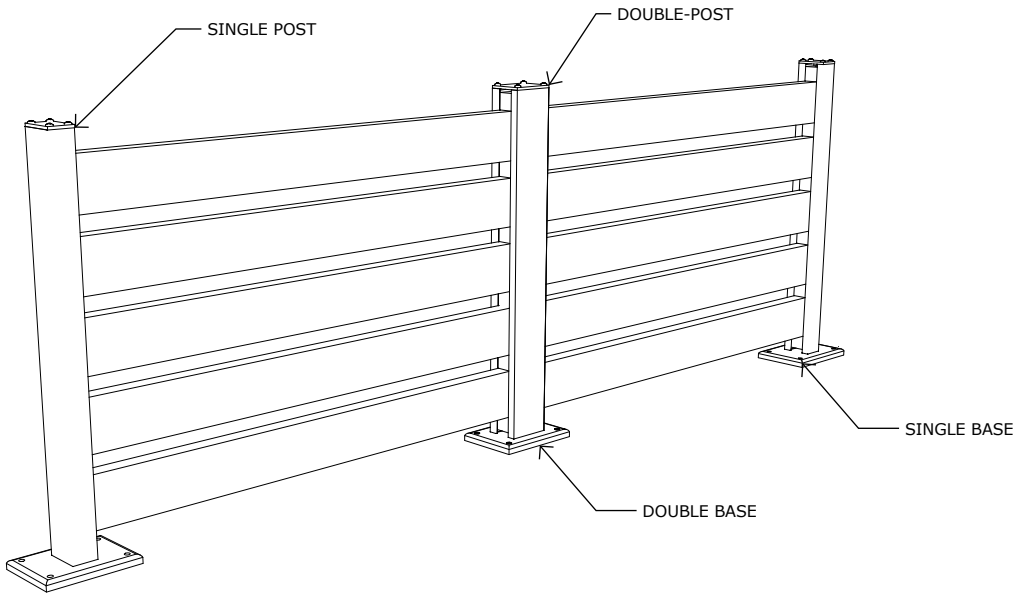
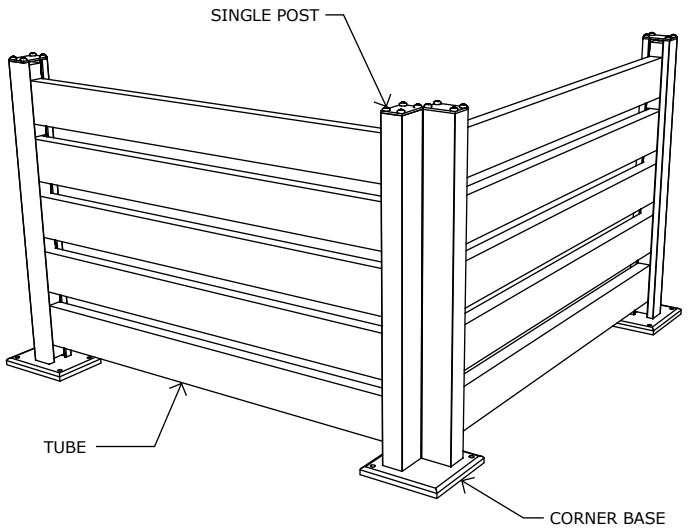
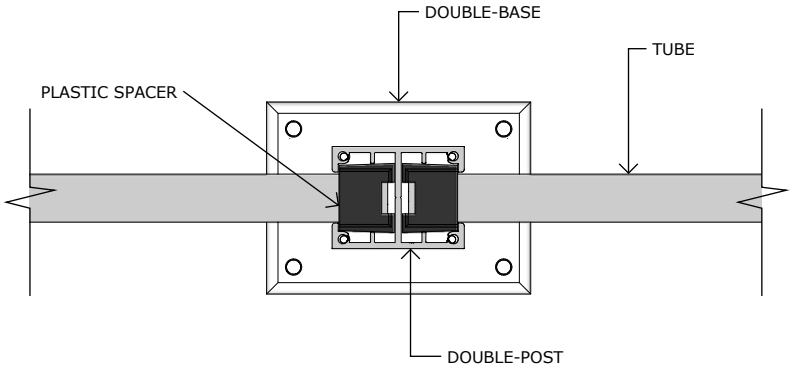
END-FRAME SYSTEM (Extended & Corner) - CAD Drawing



END-FRAME EXTENDED WITH DOUBLE-POST



END-FRAME CORNER



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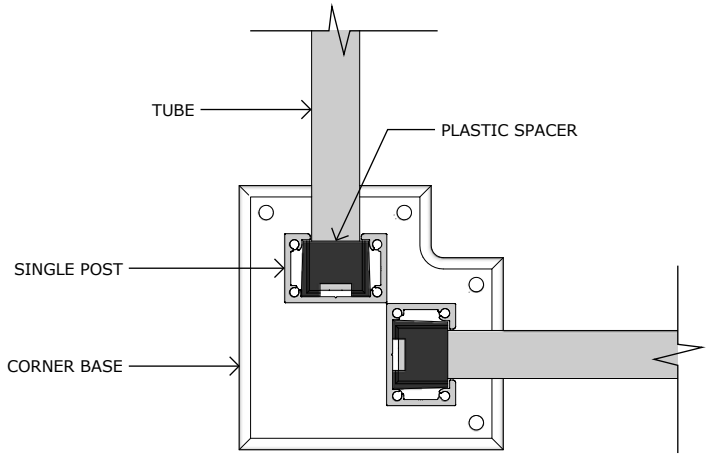

TOP SECTION

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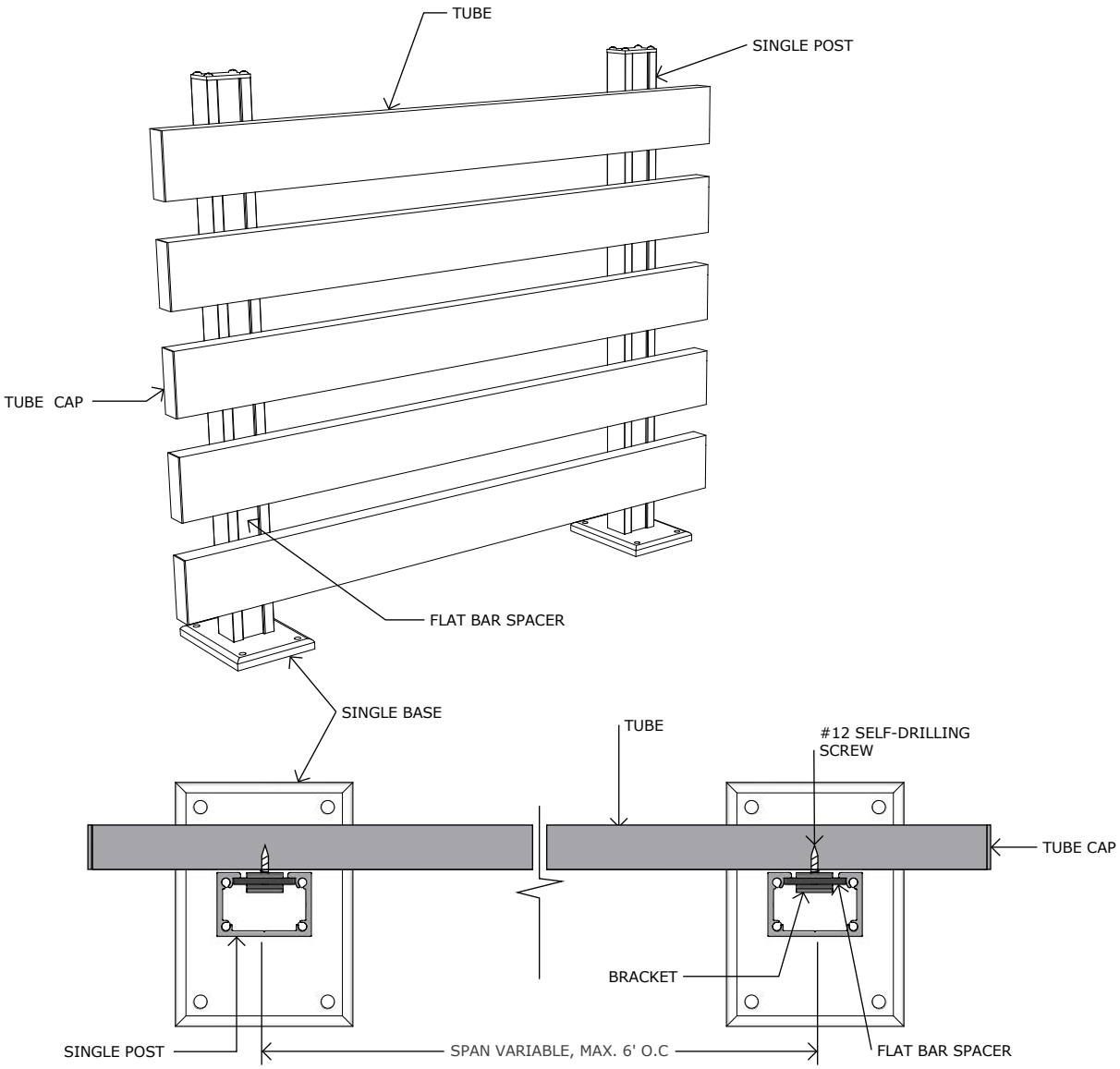
FLOATING SYSTEM (Free-Standing) - CAD Drawing



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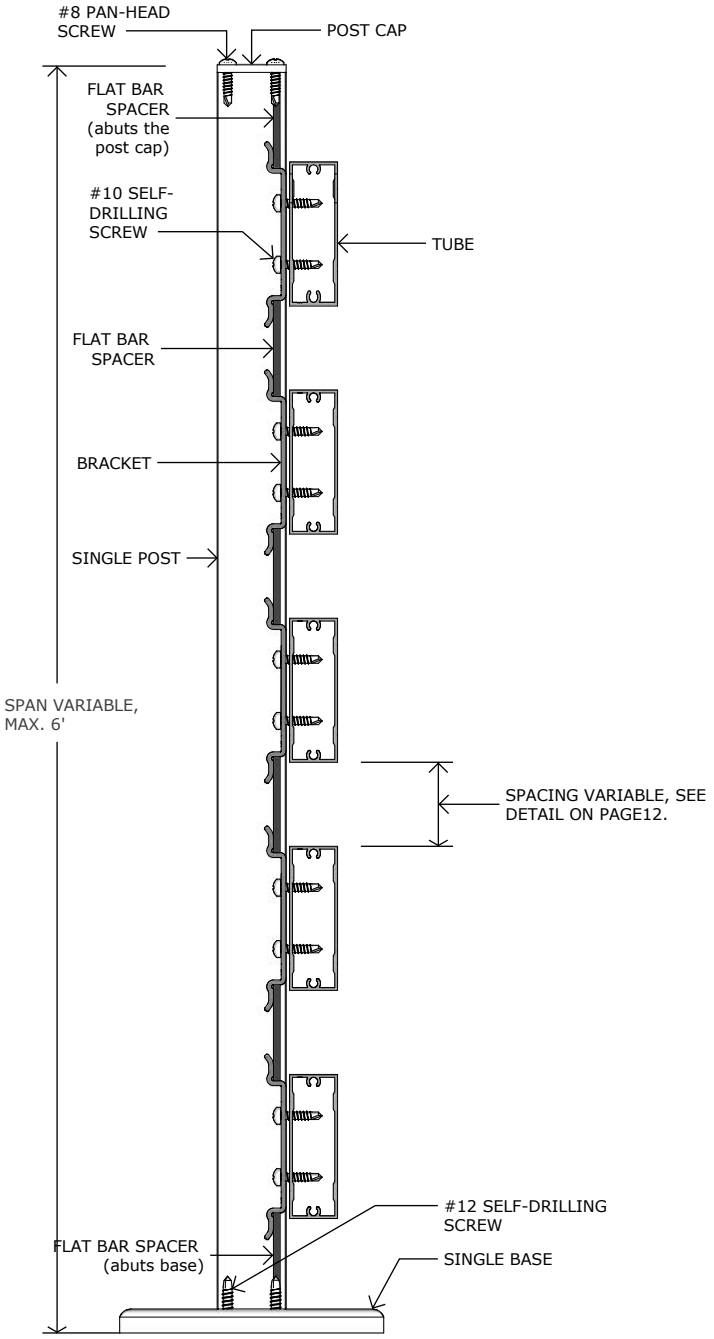

SIDE SECTION

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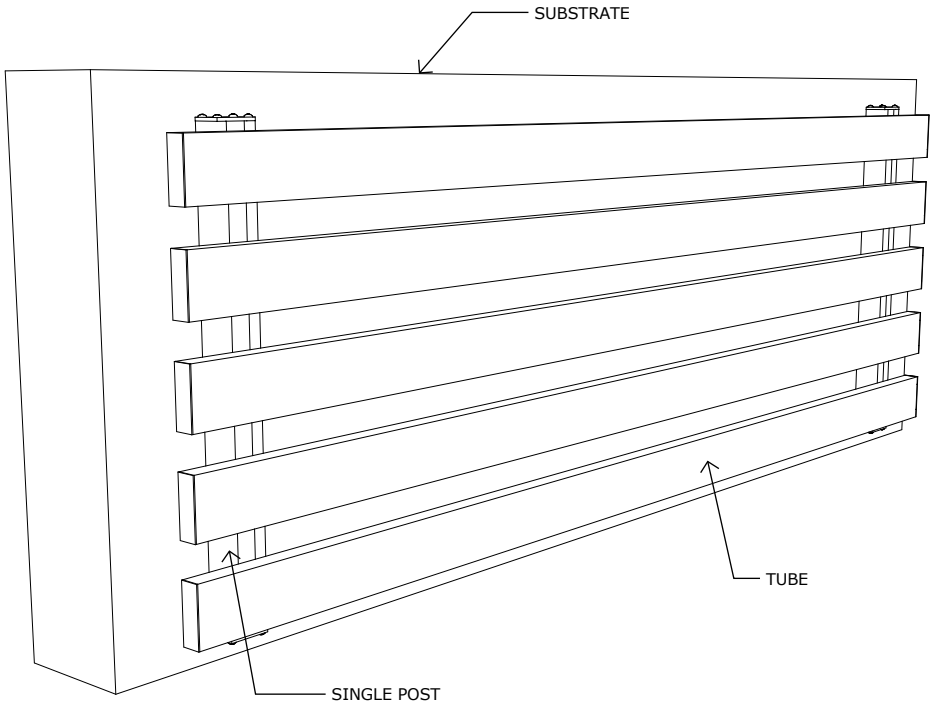
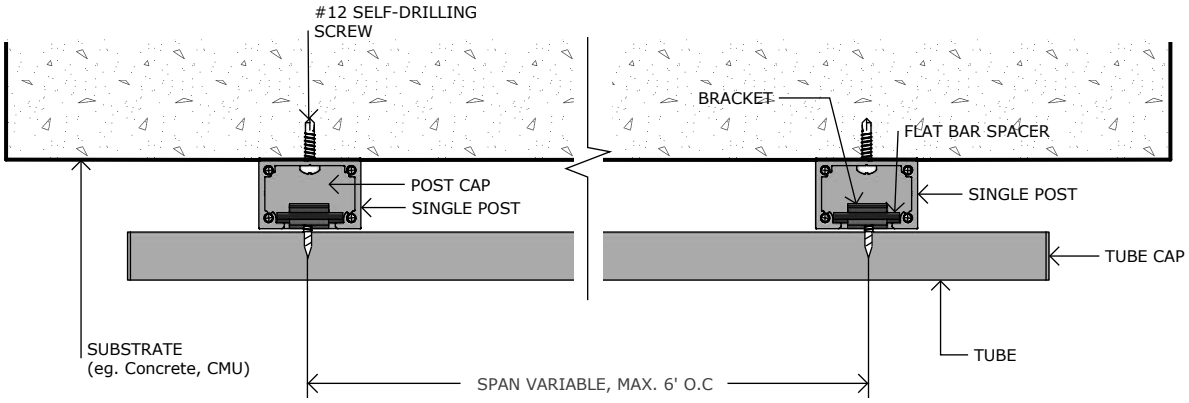
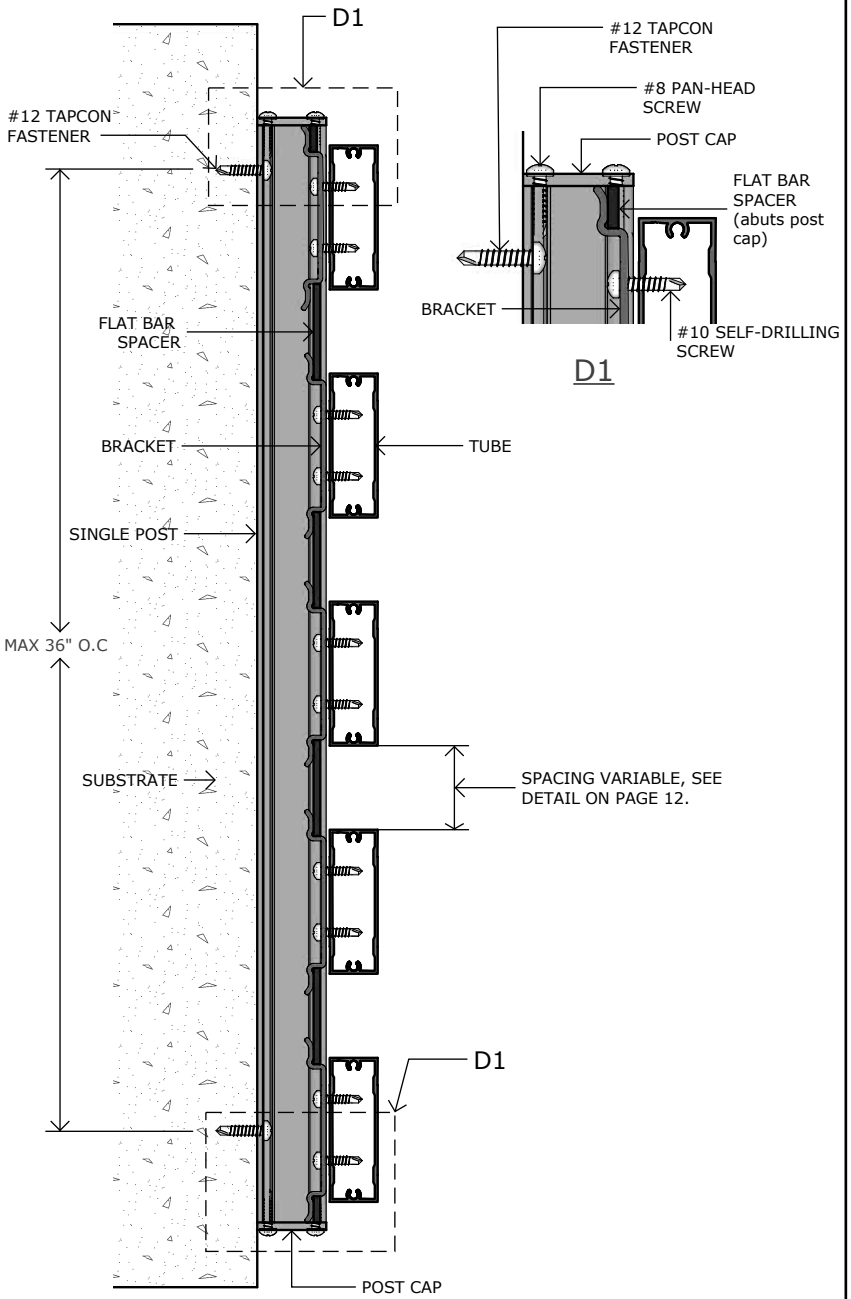
FLOATING SYSTEM (On Substrate) - CAD Drawing





TOP SECTION



D1

SIDE SECTION

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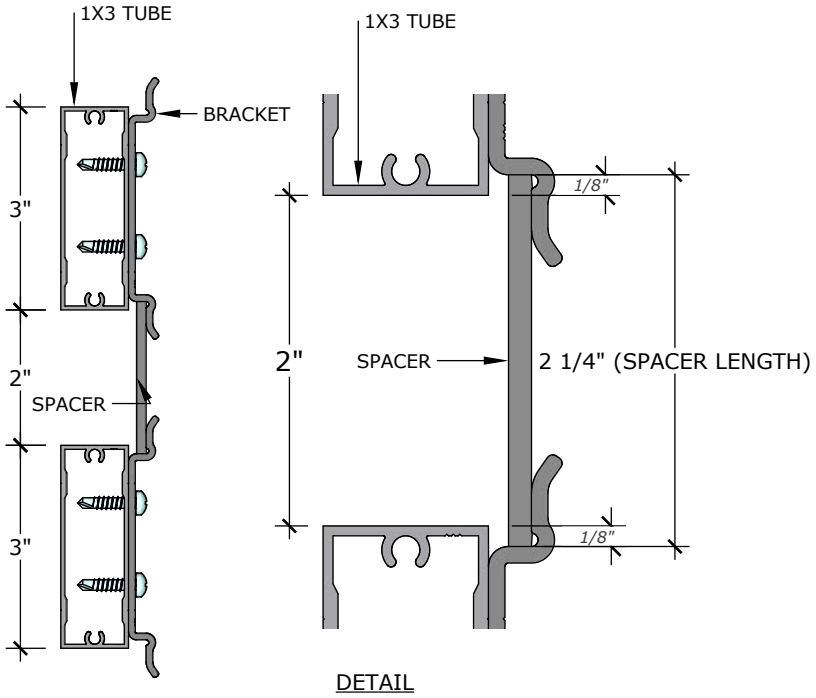
FLOATING SYSTEM - Determining Flat Bar Spacer Length

SPACER LENGTH REQUIRED FOR A SPACING OF "N" INCHES BETWEEN 1 X 3 INCH TUBES:

SPACER LENGTH [in] = N + 1/4"
where "N" is desired spacing
in inches

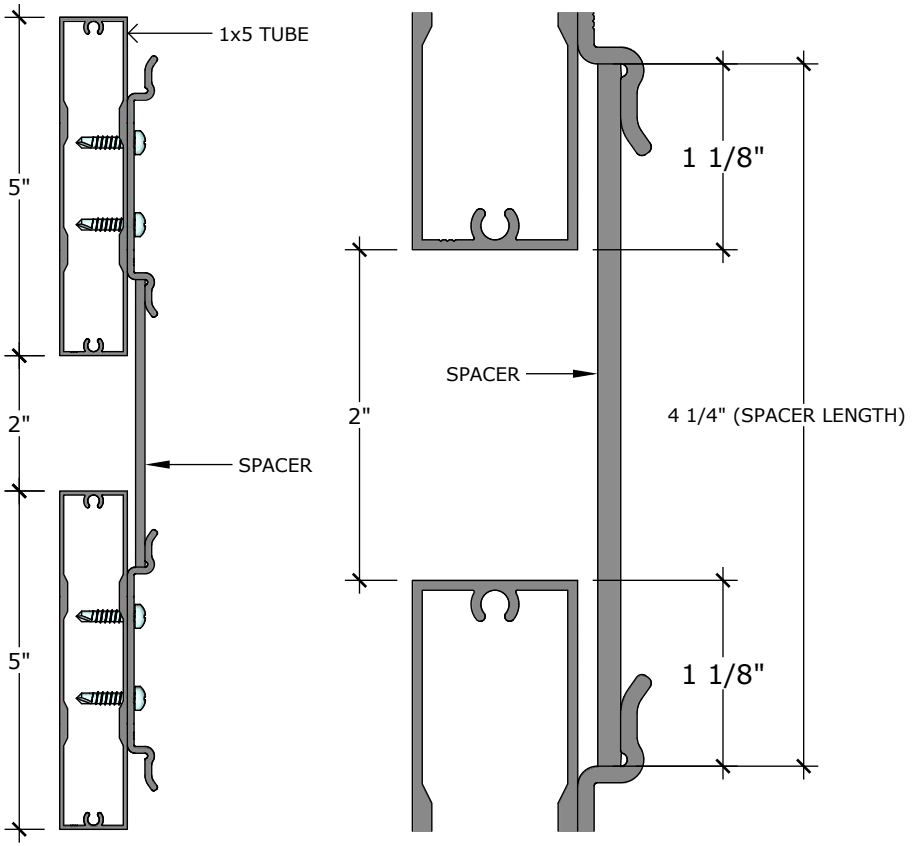


DETAIL

EXAMPLE: SPACER LENGTH FOR A 2 " SPACING BETWEEN 1X3 TUBES

SPACER LENGTH REQUIRED FOR A SPACING OF "N" INCHES BETWEEN 1 X 5 INCH TUBES:

SPACER LENGTH [in] = N + 2 1/4"
where "N" is desired spacing
in inches



DETAIL

EXAMPLE: SPACER LENGTH FOR A 2 " SPACING BETWEEN 1X5 TUBES

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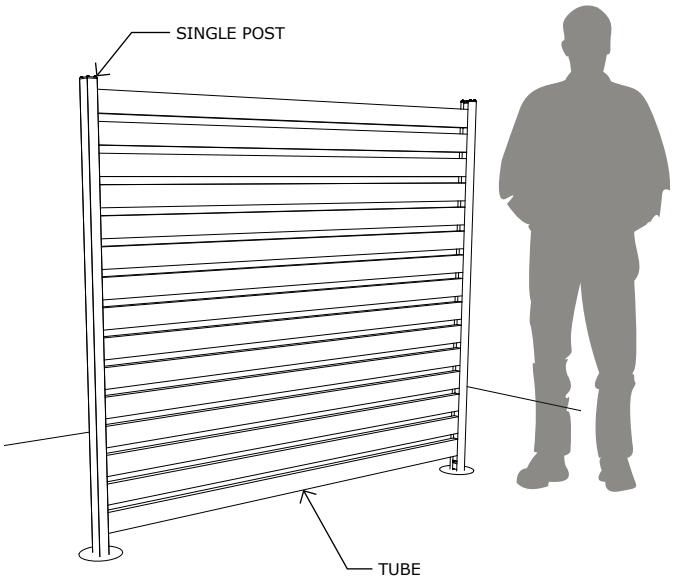
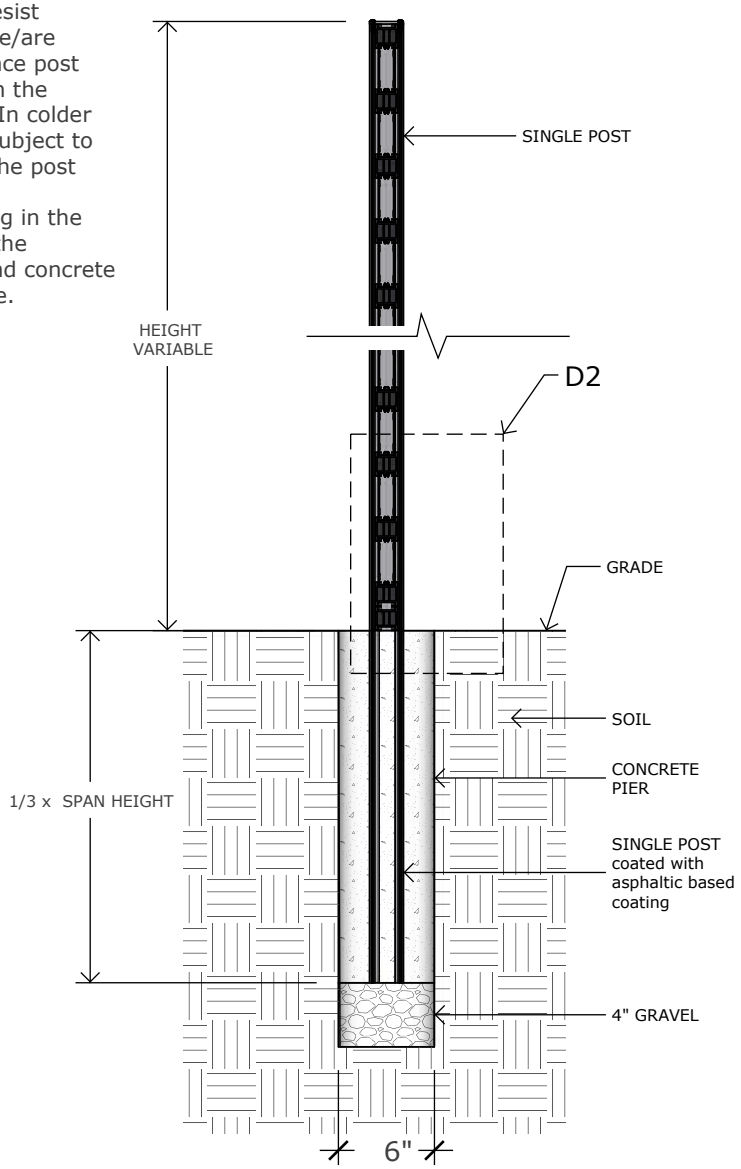
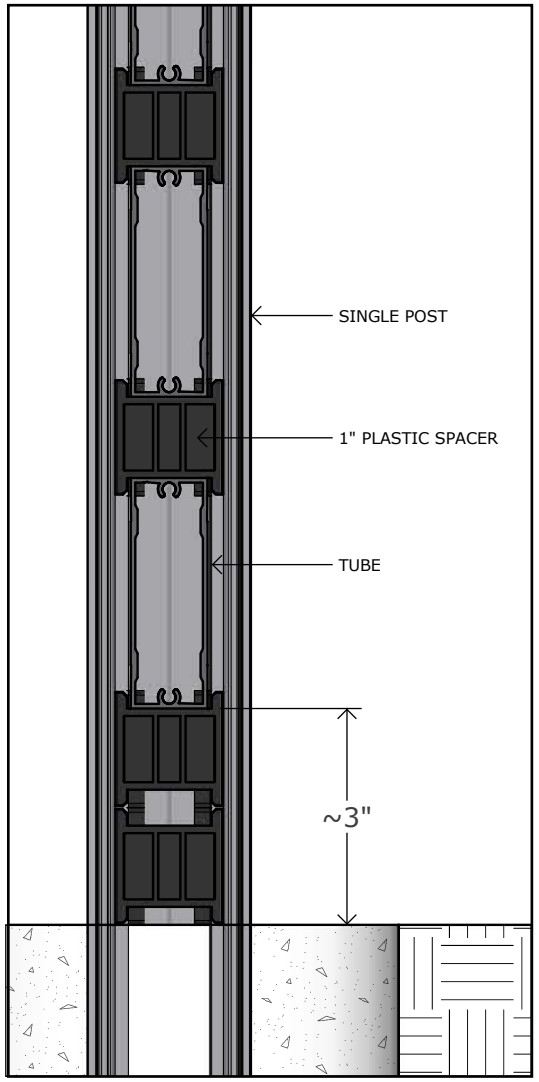
PRIVACY SCREEN SYSTEM - FENCE

Longboard's free-standing privacy screens can also function as fences with increased rigidity and thus be able to resist greater loads and moments that fences typically can be/are subjected to. Drawing on this page shows a typical fence post foundation detail. Typically, the posts are embedded in the ground approximately one third of the fence's height. In colder climate zones where the top portion of the ground is subject to heaving due to freezing of the soil, the foundation of the post shall extend below the frost line.
Recommended is to coat the portion of the posts sitting in the concrete with an asphaltic based coating to eliminate the chemical reaction from occuring between aluminum and concrete that otherswise could cause concrete to spall over time.





SIDE SECTION



D2

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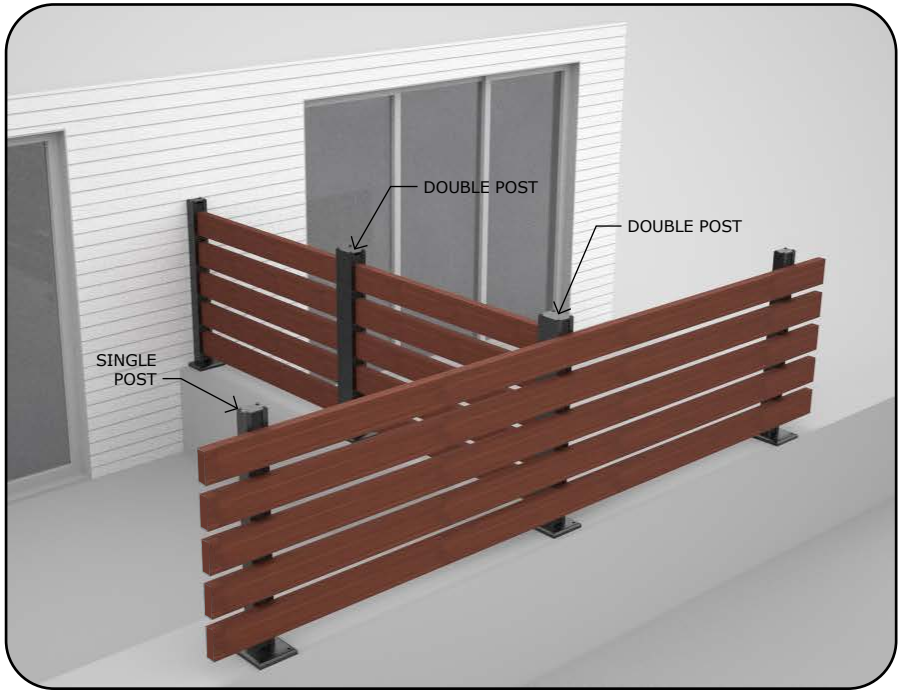
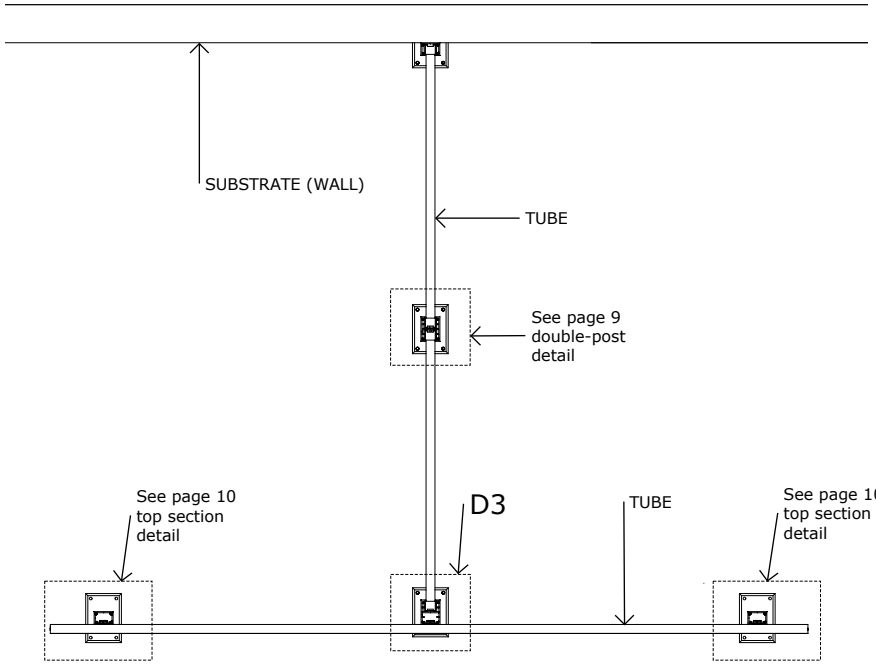
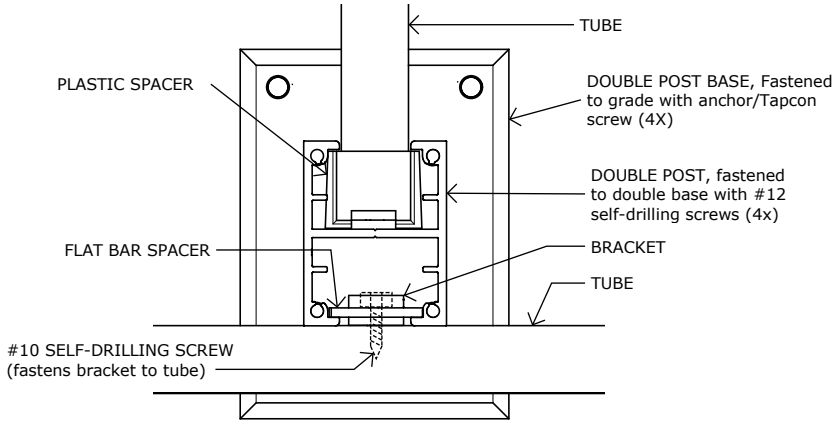
END-FRAME TO FLOATING - T-Connection





TOP SECTION



D3

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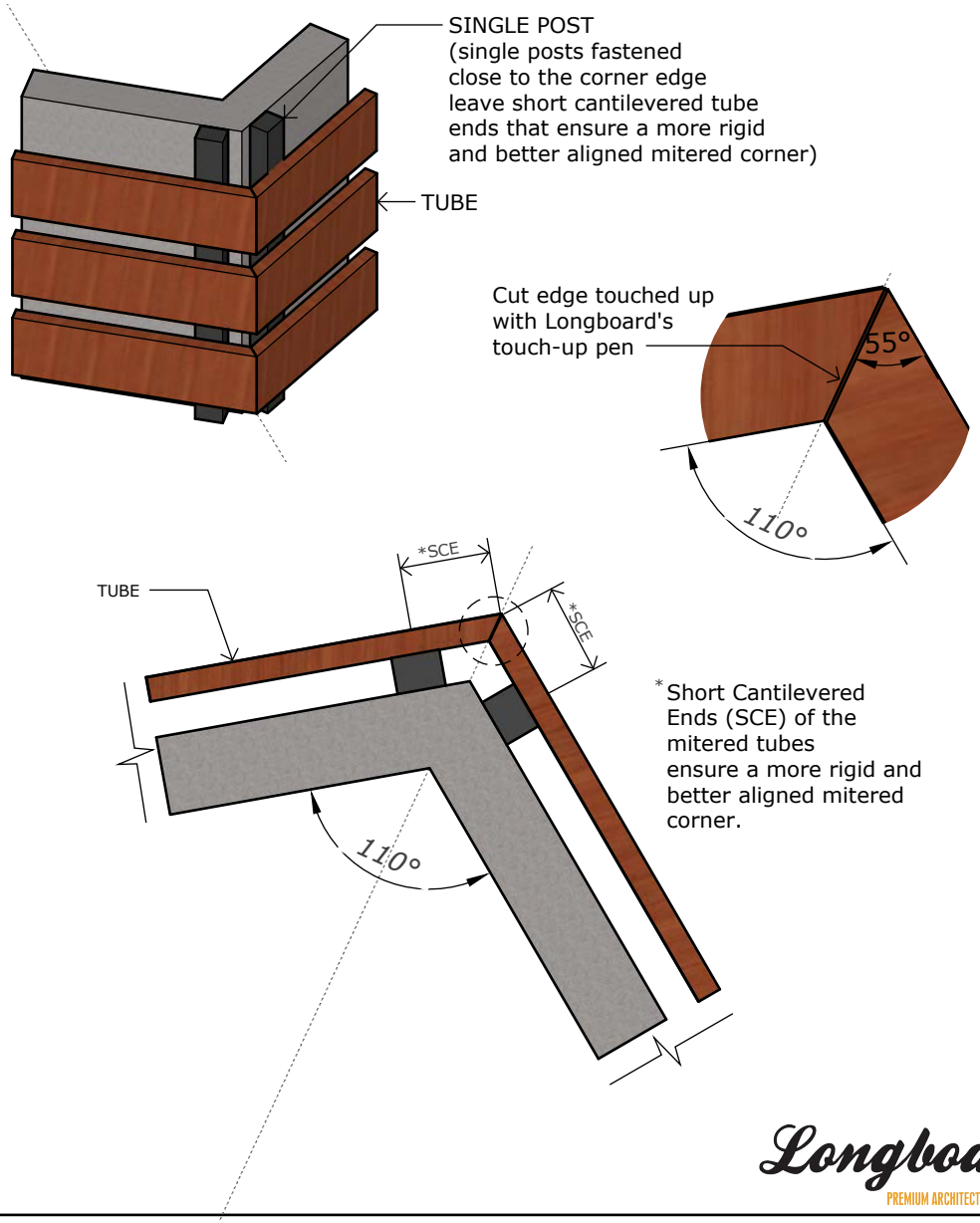
PREMIUM ARCHITECTURAL PRODUCTS

PRIVACY SCREEN SYSTEM - Mitered Corners

Privacy screen tubes can be cut to create mitered corners. Once the tubes are cut, the cut aluminum tube sections of the tubes can be touched up with Longboard's touch-up pen. The image below shows a mitered condition of Starbucks storefront in Toronto using Longboard'privacy screen tubes.

MITERED CORNER - FLOATING PRIVACY SCREEN
(SHOWING A 110 DEGREE CORNER AS AN EXAMPLE)



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