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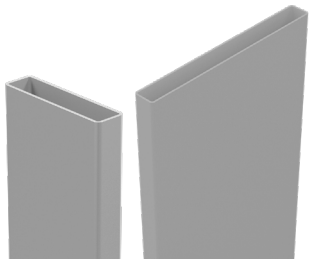
QUICK SCREEN USA.

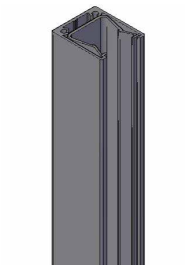
HORIZONTAL SLAT SCREENING
VARIABLE SLAT & SPACING PANEL

QUICK SCREEN SIDE FRAME - BUILD AS YOU GO (BAYG)

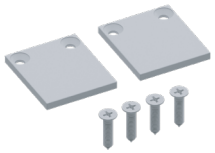
INSTALLATION OVERVIEW



2.56" Slat or 6" Slat



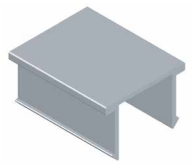
Quickscreen side frame



Side frame end plates

9mm spacer

1/2 inch Spacer



1 inch Spacer

Post Top Cap

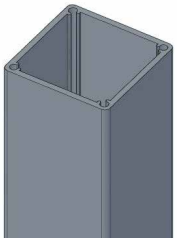
OPTIONAL EXTRAS:

Centre Support Rail

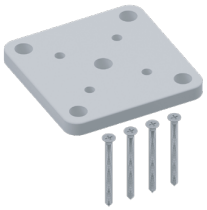
Centre Support Rail Top Cap

Wafer screws

135° adapter

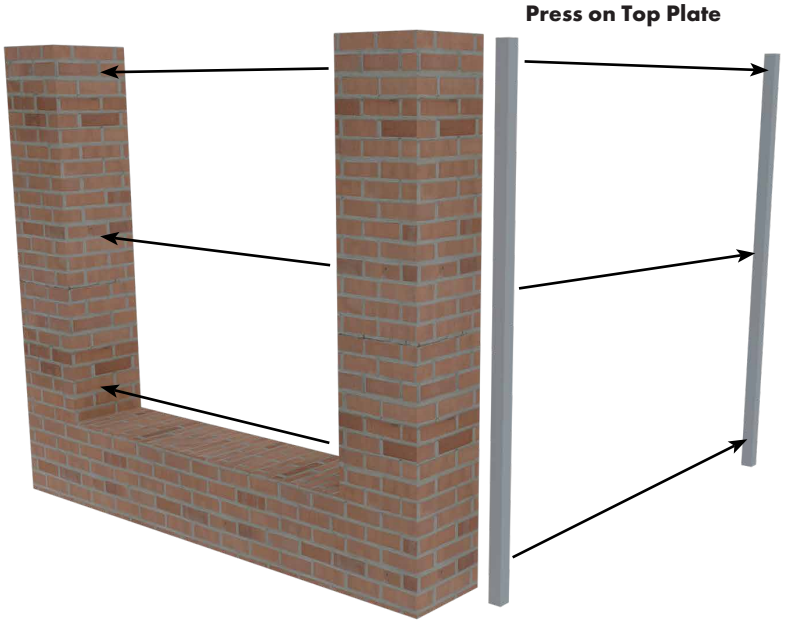


2.56" Full Post



Base Plate

Post Extender



1 Identify location of where Quick screen panel/s are to be installed

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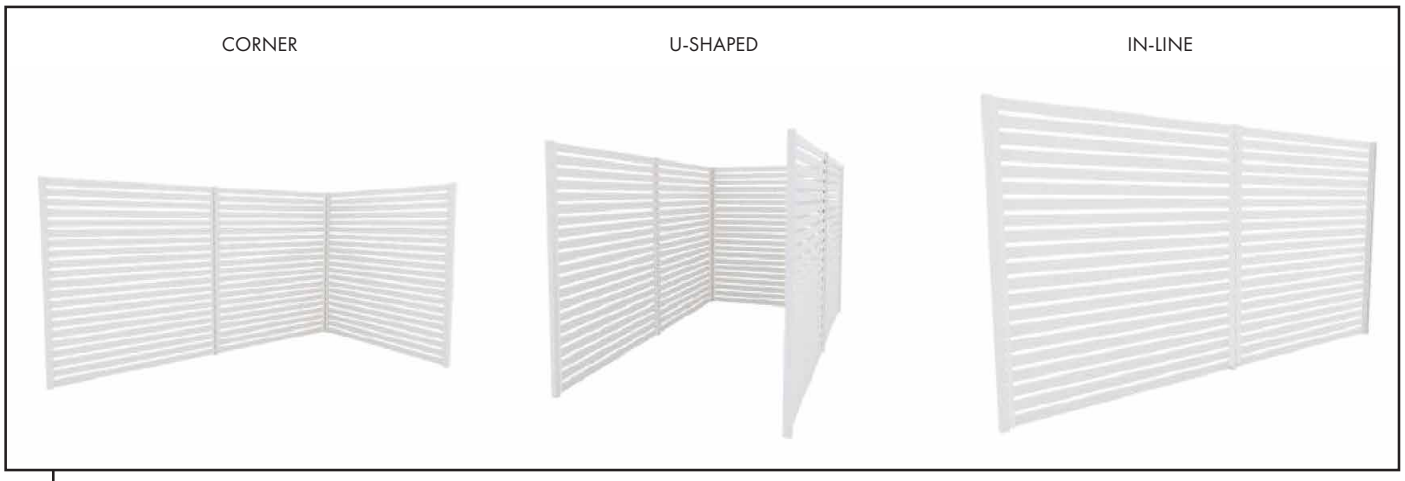
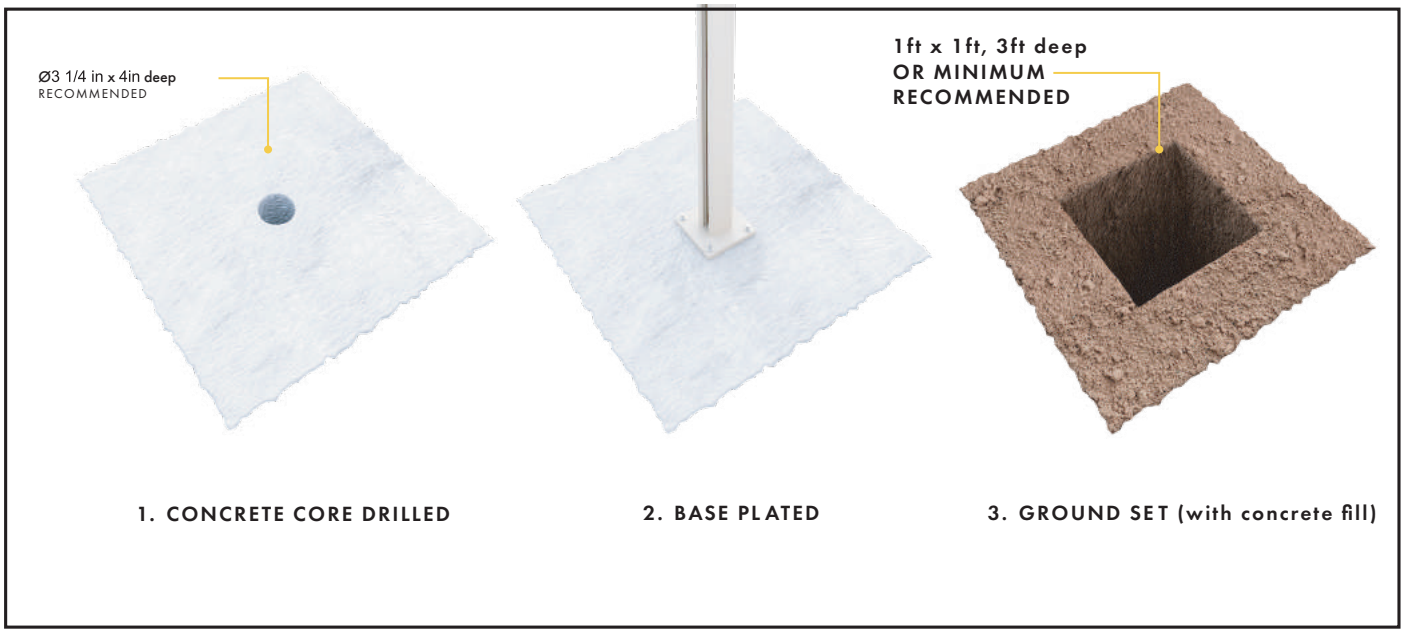


2 Determine fence layout



3 Determine how posts are to be installed:

1. Core drill into concrete (recommended min ø 2 1/2" core hole at approx. 4 inches deep)

2. Base plated to surface (for high wind areas, refer to attached engineering specs)

3. Set into ground with concrete footings, making sure local building codes are followed. (refer to attached engineering specs)

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4 Determine the height and width of your panels then cut to length using the following charts

2.56" slat spacing table

1. **Ht of post** - Total height from ground to top of post (incl. top cap)
2. **Slat Qty** - Total number of slats required for height shown in corresponding rows. 2.56" slat sold in 2 packs.
   Slat spacing - Height of gap between each slat
   Ht from bottom of 1st slat to top of last slat - Height shown
3. includes spacers.
4. · Bottom slat: sits on top of end plate if using side frame. If using post system slat sits on top of starting block which you control the height of (you adjust this to meet overall height taking into consideration slopes and alignment of other panels)
   · Top slat: No spacer is generally used unless you need to fill post due to gap above slat

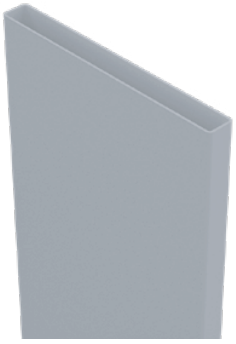
Overall screen height does not include any gaps below or above slat panel. It does take into consideration extrusion tolerances. Due to tolerance variations, you may need a spacer at top of panel to fill void.

Slat calculation formula = height / ((slat size + slat spacing)-spacing)

Always round down number to next lowest full slat EG 10.35 – qty of slat 10

Remaining portion slat you allow for in positioning of side frame on post or with friction fit post build fraction into starting block.

2 9/16" (65 mm) Slat			
1. HT OF POST	2. SLAT QTY.	3. SLAT SPACING	4. HT FROM BOTTOM OF 1ST SLAT TO TOP OF LAST SLAT
3′	14	Nil	36"
	12	3/8"(9mm)	35 1/4"
	11	1/2" (12.7mm)	33 7/8"
	10	1" (25.4mm)	35 3/4"
4′	18	Nil	46 3/8"
	16	3/8"	47"
	15	1/2"	46"
	13	1"	46 15/32"
5′	23	Nil	59 1/4"
	20	3/8"	58 3/4"
	19	1/2"	58 9/32"
	16	1"	57 3/16"
6′	28	Nil	72"
	24	3/8"	70 1/2"
	23	1/2"	70 17/32"
	20	1"	71 1/2
7′	32	Nil	82 13/32"
	28	3/8"	82 1/4"
	27	1/2"	82 11/16"
	23	1"	82 1/4"
8′	36	Nil	92 5/8 "
	31	3/8"	91 1/16"
	30	1/2"	92
	26	1"	93



6" slat spacing table

1. **Ht of post** - Total height from ground to top of post (incl. top cap)
2. **Slat Qty** - Total number of slats required for height shown in corresponding rows. 2.56" slat sold in 2 packs.
   Slat spacing - Height of gap between each slat
   Ht from bottom of 1st slat to top of last slat - Height shown
3. includes spacers.
4. · Bottom slat: sits on top of end plate if using side frame. If using post system slat sits on top of starting block which you control the height of (you adjust this to meet overall height taking into consideration slopes and alignment of other panels)
   · Top slat: No spacer is generally used unless you need to fill post due to gap above slat

Overall screen height does not include any gaps below or above slat panel. It does take into consideration extrusion tolerances. Due to tolerance variations, you may need a spacer at top of panel to fill void.

Slat calculation formula = height / ((slat size + slat spacing) - spacing)

Always round down number to next lowest full slat EG 10.35 – qty of slat 10

Remaining portion slat you allow for in positioning of side frame on post or with friction fit post build fraction into starting block.

6" (150 mm) Slat			
1. HT OF POST	2. SLAT QTY.	3. SLAT SPACING	4. HT FROM BOTTOM OF 1ST SLAT TO TOP OF LAST SLAT
3′	6	Nil	36"
	5	3/8"(9mm)	32 5/32"
	5	1/2"(12.7mm)	31 15/32"
	5	1"(25.4mm)	34 11/16
4′	8	Nil	48"
	7	3/8"	45"
	7	1/2"	44 1/32"
	6	1"	41 5/8"
5′	10	Nil	50
	9	3/8"	57 7/8"
	9	1/2"	56 5/8"
	8	1"	59"
6′	12	Nil	71 1/4"
	11	3/8"	70 3/4"
	11	1/2"	69 7/32"
	10	1"	69 3/8"
7′	14	Nil	83
	13	3/8"	83 9/16"
	13	1/2"	81 13/32"
	12	1"	83 1/4
8′	15	Nil	89 1/16"
	14	3/8"	91 1/16"
	14	1/2"	88 1/16
	13	1"	"90 3/16"

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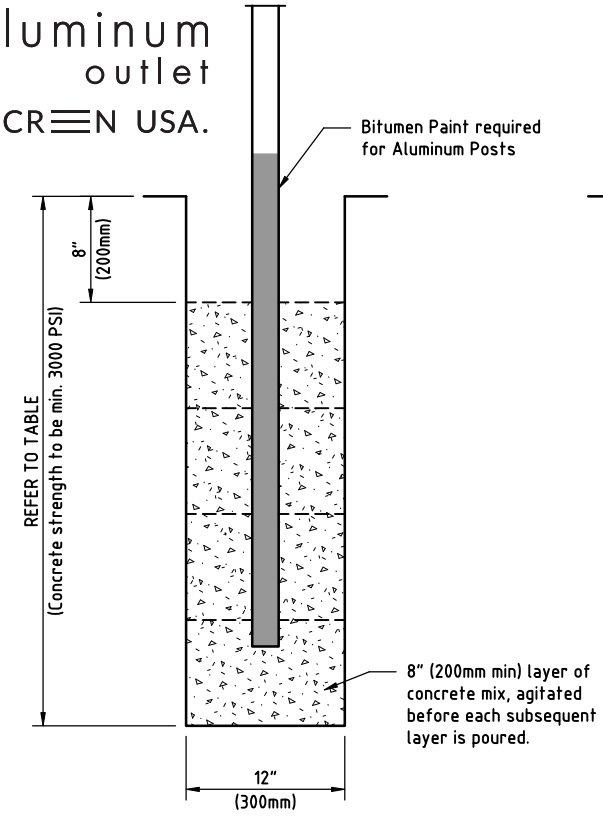
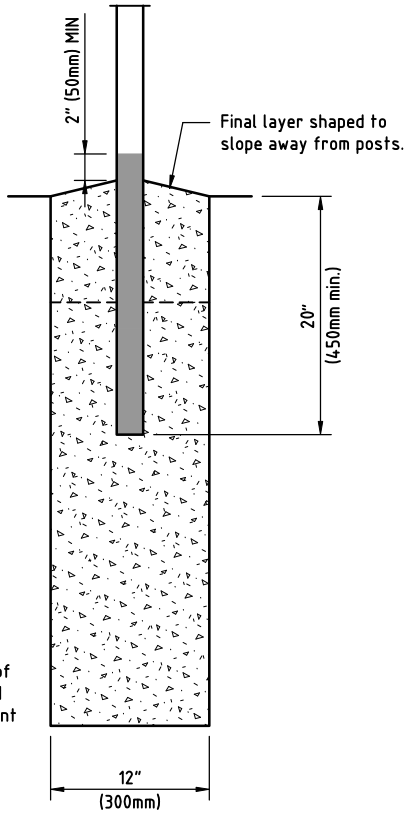
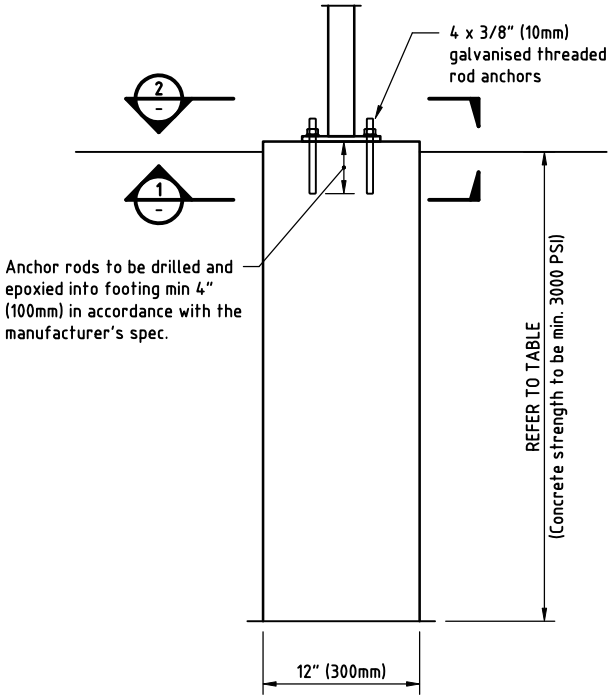
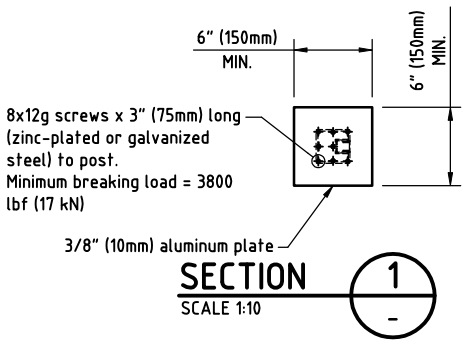


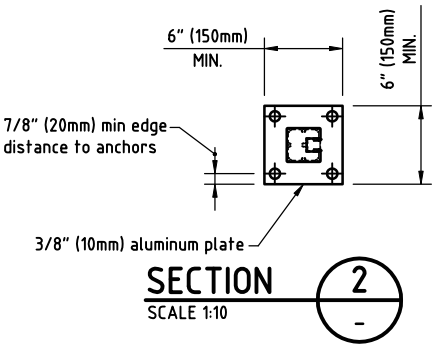


POST CAST INTO FOOTING DETAIL



POST INSTALLED ON TOP OF FOOTING DETAIL





MINIMUM FOOTING DEPTHS (inches) - 12" DIA PIER			
SOIL TYPE	CAST IN POST 6063-T6 ALLOY	CAST IN POST 6005-T5 ALLOY	POST BOLTED TO FOOTING MINIMUM 6063-T6 ALLOY
SAND (ϕ=25 DEG)	40	44	32
SAND (ϕ=30 DEG)	36	40	30
SAND (ϕ=35 DEG)	32	36	28
SANDY CLAY (ϕ=25 DEG, c=3.5 psi)	40	44	32
STIFF CLAY (ϕ=15 DEG, c=5.0 psi)	36	40	30

Each anchor must resist a pullout force (LFRD) of 3300 lbf (15 kN)

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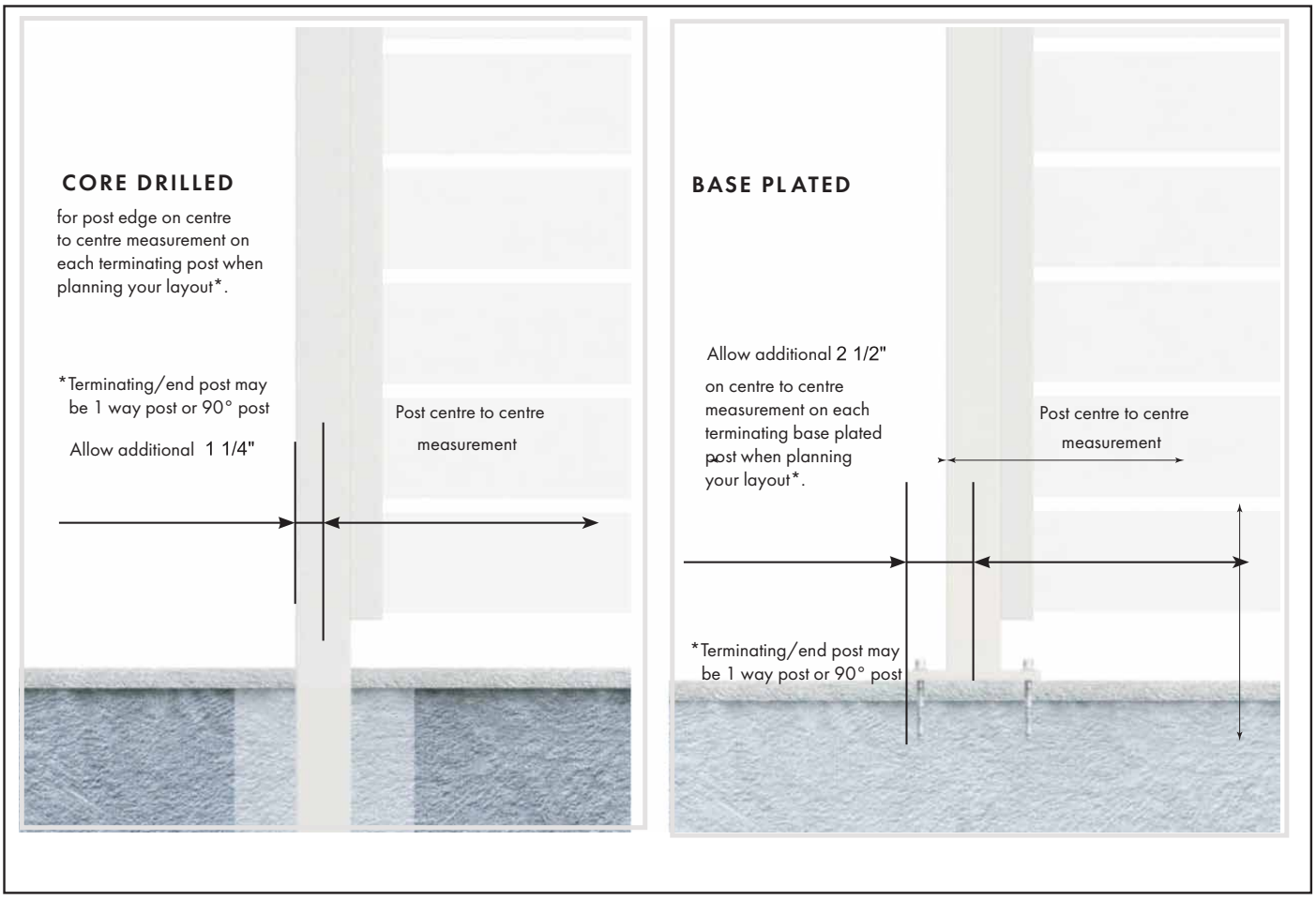
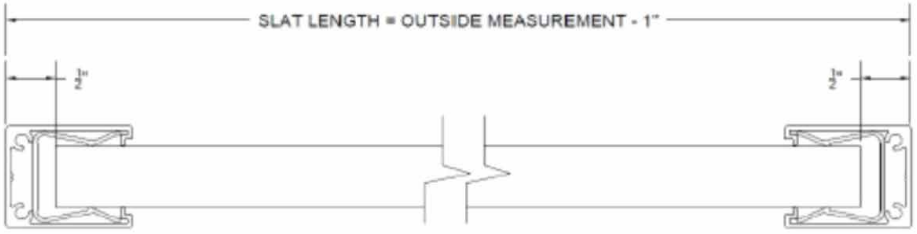


5 Determine post positions. For simplicity, calculate post positions from centre of post to centre of post. Recommended that post centres do not exceed , in areas of high wind, consider restricted span widths.

Install tip: For end of corner posts of a run, there will be 1 1/4" extra to take into account for 'overhang' of 2 1/2" post.

If using 95" long slat, maximum spacing between posts 96" (center to center + post thickness)

If using 71" long slat, maximum spacing between posts 72" (center to center + post thickness)



TO DETERMINE SLAT LENGTH, DEDUCT 1"FROM THE OVERALL WIDTH OF THE PANEL, AS SHOWN IN THE ADJACENT DIAGRAM.

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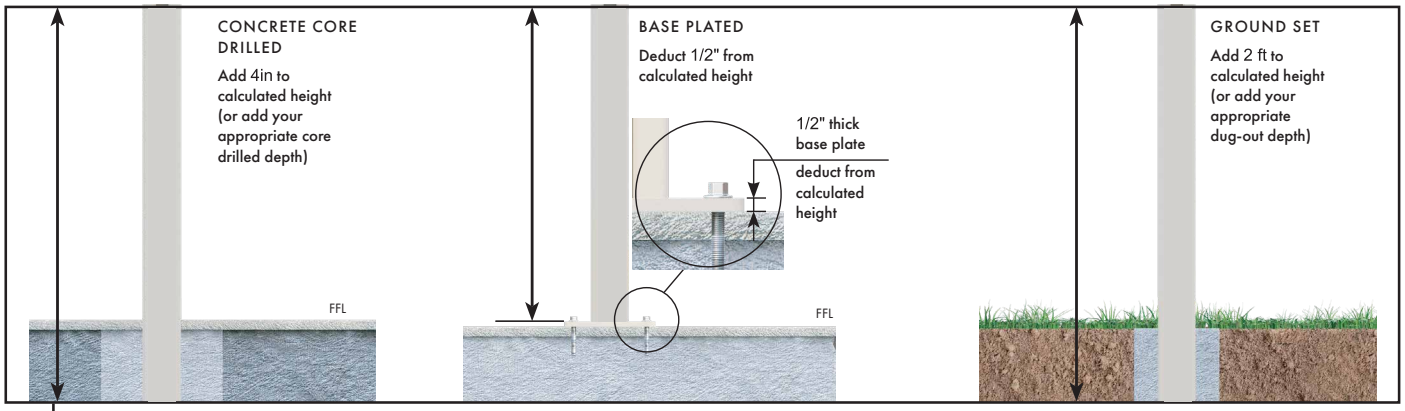


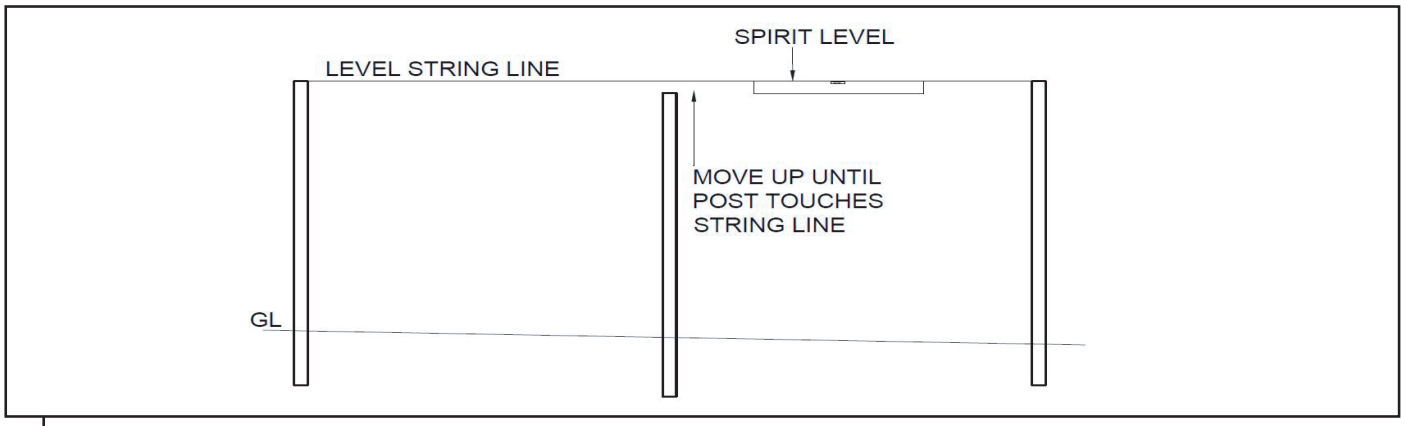
6 Determine overall post height required.

For overall post heights required, add the extra length below the surface for core drill and concrete footings.

For base plated installations, deduct 1/2" from screen height (as base plate is 1/2" thick). Install posts.

TIP - Use spirit level to ensure posts are vertically level all around Ensure top of posts level and in alignment.

IMPORTANT: It is necessary to lubricate all screws before attaching the base plate to the post.
DO NOT OVERTIGHTEN.



7 **NOTE:** For uneven ground, determine height wanted for the posts, and place first post and last post in the run, at the predetermined height. Then, connect a string line to the the centre of the tops of the two posts and adjust the height of the first or last post until the string line is level. Ensure the posts are plumb in all directions. Cement the two posts into place. Place remaining posts in the run and adjust height so that the top of the posts touch the level string line. Ensure the posts are plumb and centered before cementing into place.

FOR CORE DRILLED applications, cut to desired length (core drill depth+ clearance). Follow the procedure outlined above, to complete the installation.

FOR BASE PLATE fixing, cut one post to length for the first post, Fit the base plate and install into place. Install the last post and run a string line across the top of the centre of the posts. Where a post sits above the level string line, mark and cut the post so that the first and last post are level. At every post interval, measure from the string line to the floor. Subtract 1/2 inch (base plate thickness) from this measurement and cut the post. Attach all base plates to the posts and fix to the floor.

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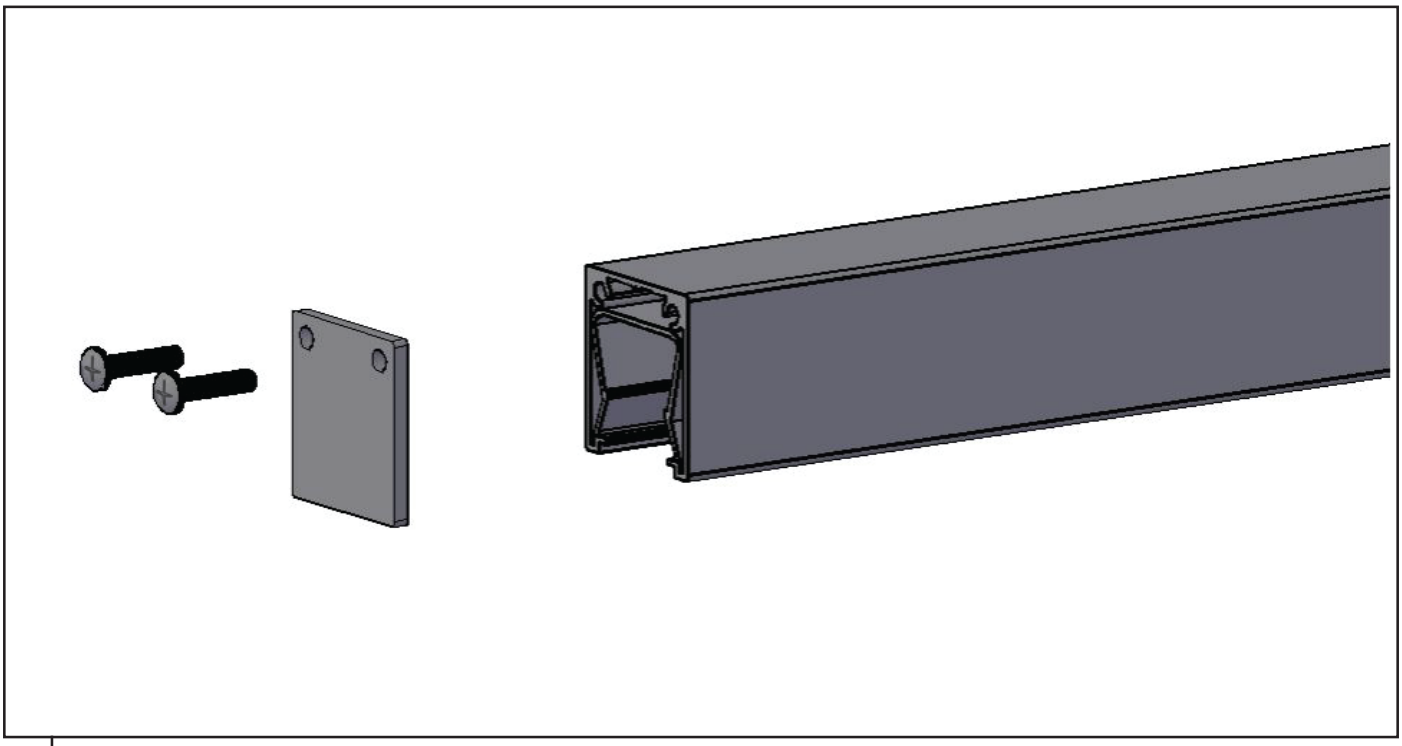
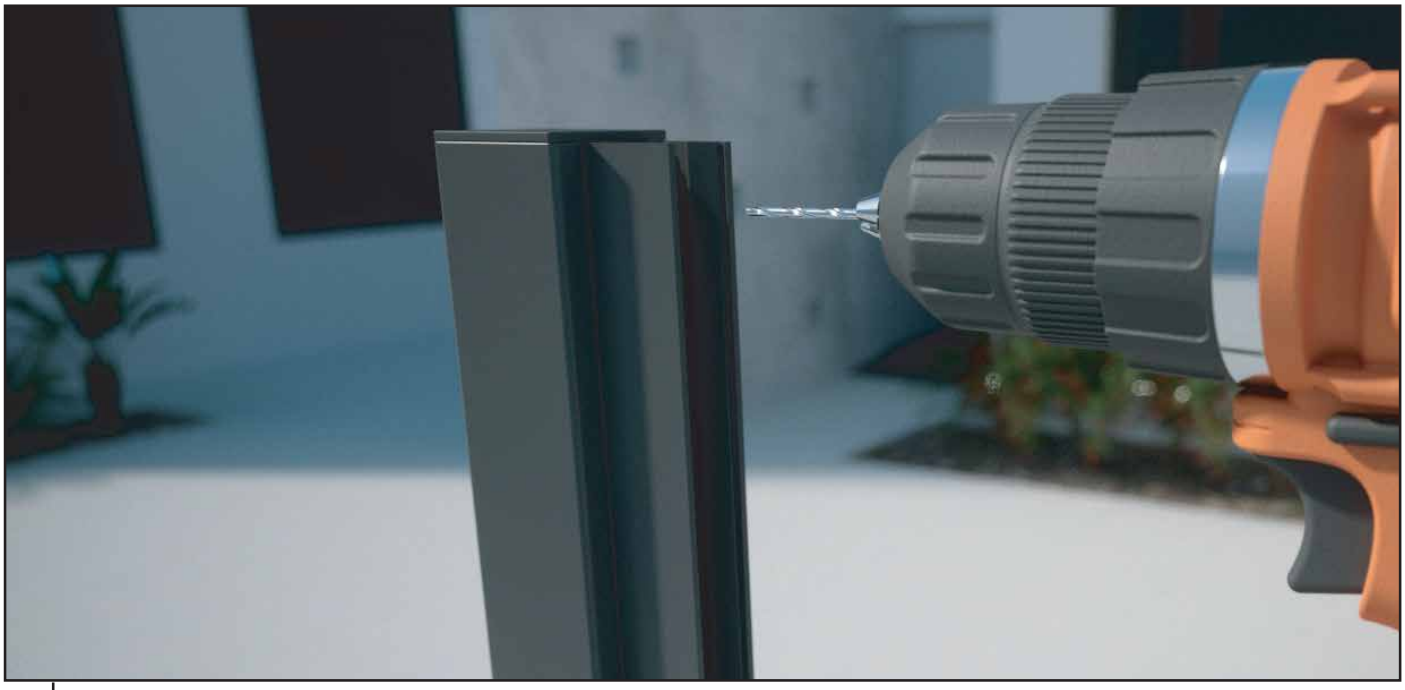


8 Each side frame comes with top and bottom end plate attached. Remove top plate before proceeding to step3.



9 To allow for the top end plate, position the side frames 1/8inch less than the desired height and drill pilot holes in side frame for mounting. Attach side frame to post or mounting substrate using appropriate fixings (fixings not supplied). Repeat for all side frame locations.

** recommended fixings at approx 15inch spacing.

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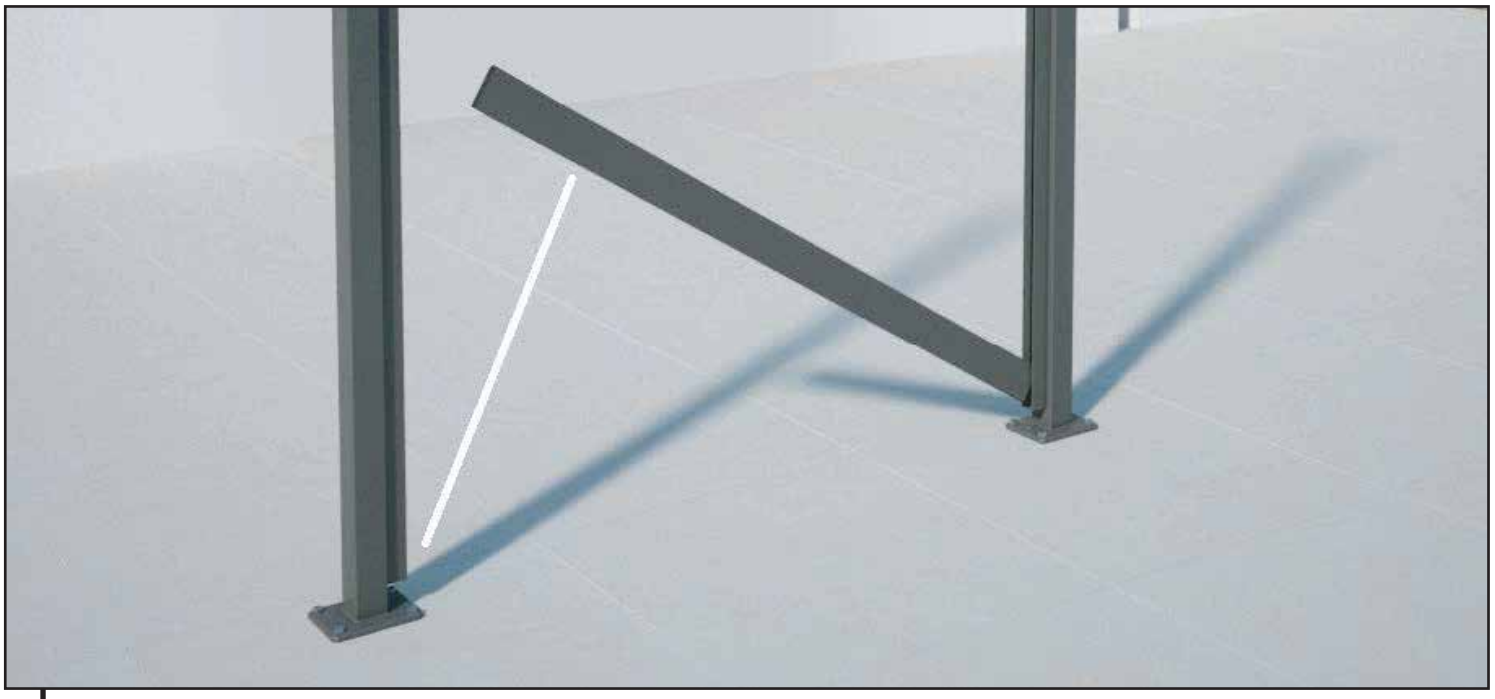
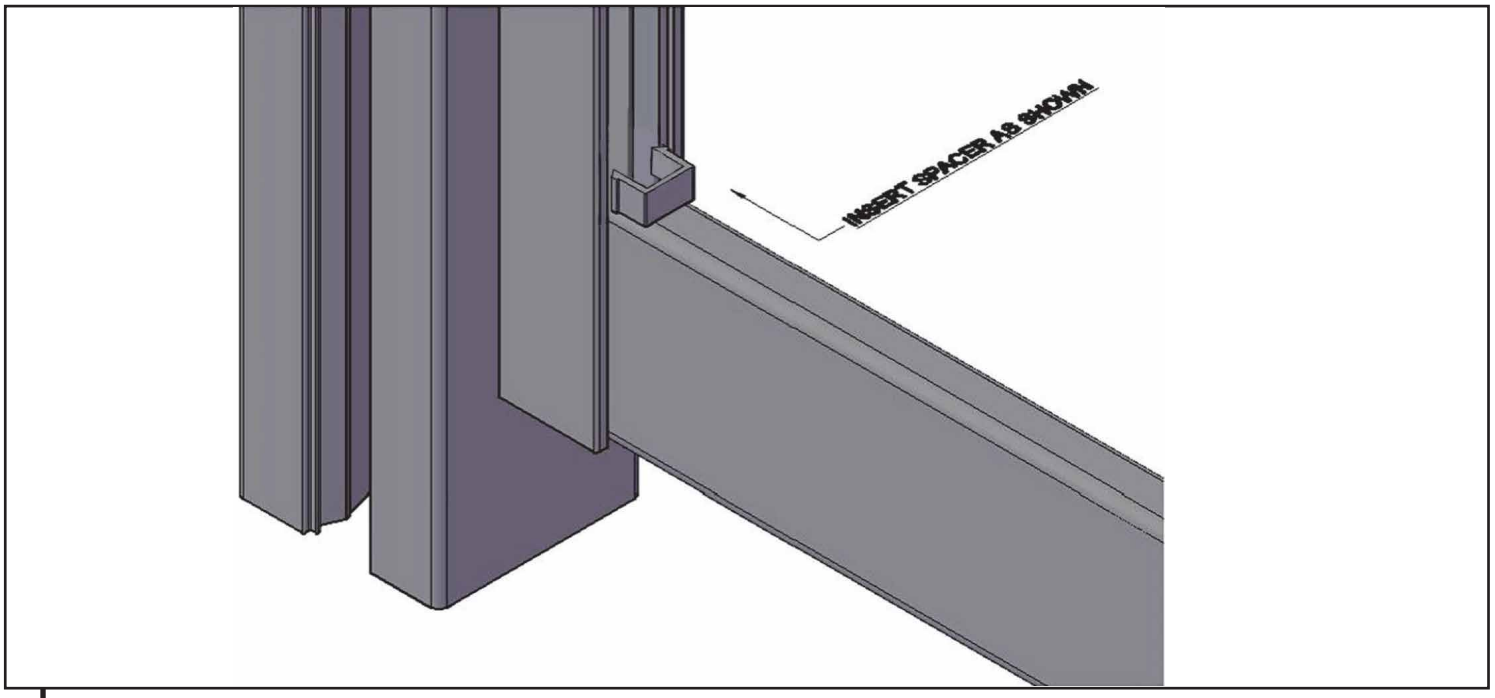


10 Install first slat into side frames directly onto bottom plate (no spacer required). Lever slat in at an angle. Ensure the first slat is level. Patented aluminum side frame legs will hold slats firmly in place.



11 Snap in spacers above slats on both sides. Add in new slats. Repeat until screen is complete. If no gap is required, stack slats on top of each other without spacers.

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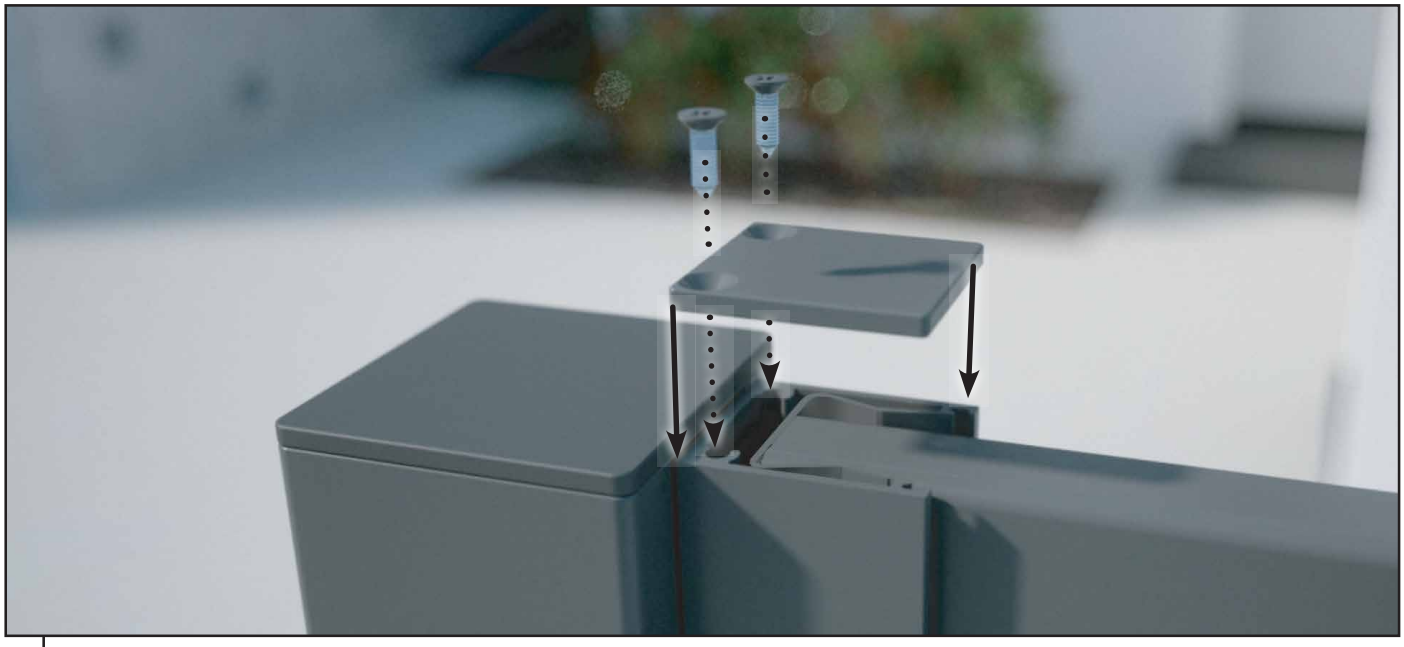
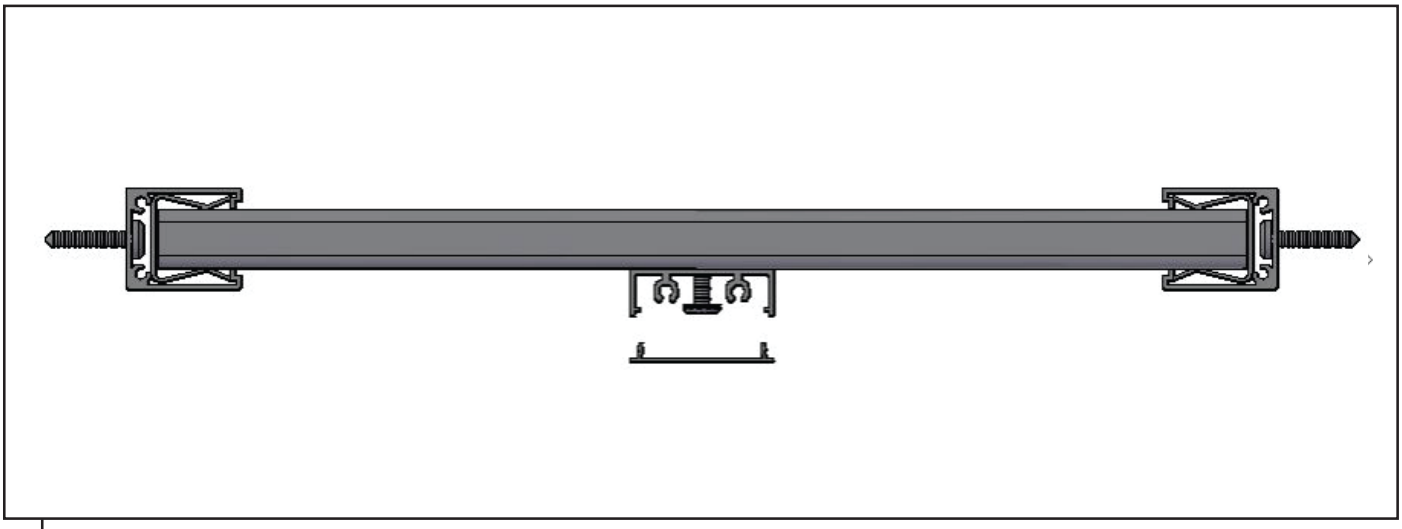


12 Above final slat, install top plate onto side frames to complete screen.



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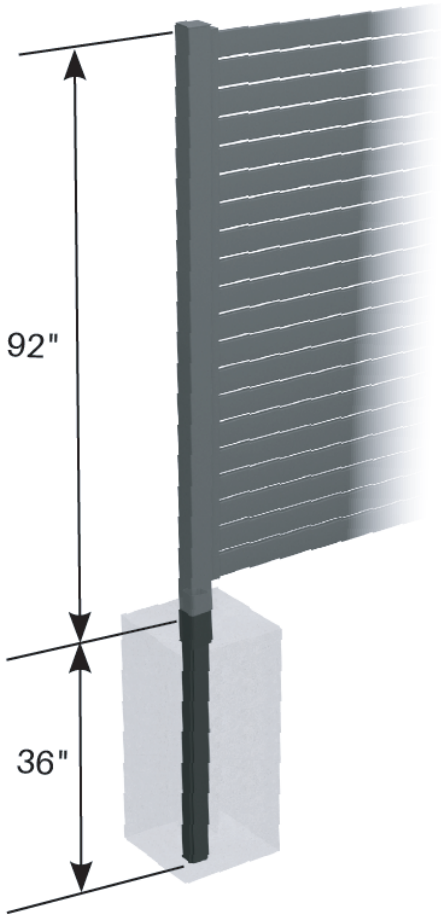
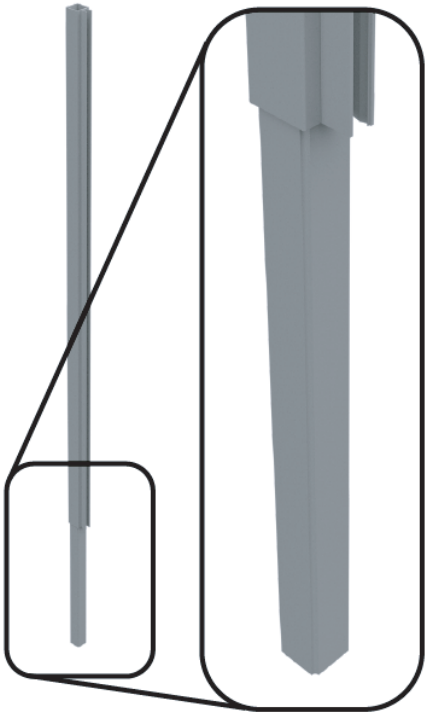
Appendix - Post Extension



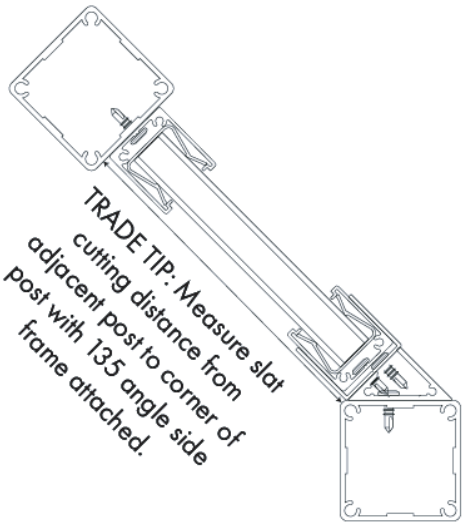


*based on 95" post

For use when posts need to go into ground more than 24" or fence higher than 6' (will also require side frame).
Screw-fix post extender to bottom of post.

Appendix - 135 Degree Adapter

- Simple 2 step process:
(1) Adapter fixes to post/wall
(2) Quickscreen side frame then attaches to adapter into which slats insert
- Ideal for when screens to run at 135 degree angle from post or wall



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Appendix - Full Post Install

1. For each screw used in the post, pre-drill through the center of the 2 walls of the post, a 5/16"hole. If using a 3'- 4' post, drill 3 holes. If using a post over 4' in length, drill 4 holes. 1st and last holes are drilled 4" from each end, and the remainder equally spaced.

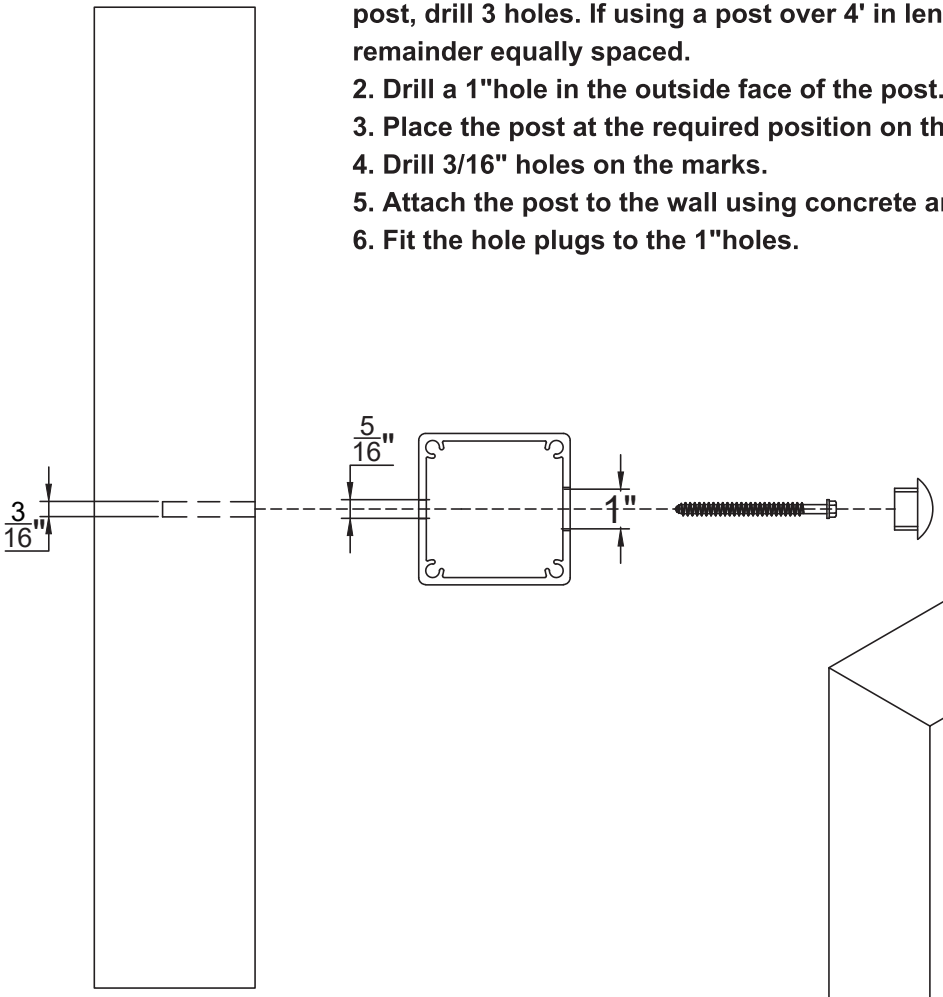
2. Drill a 1"hole in the outside face of the post.

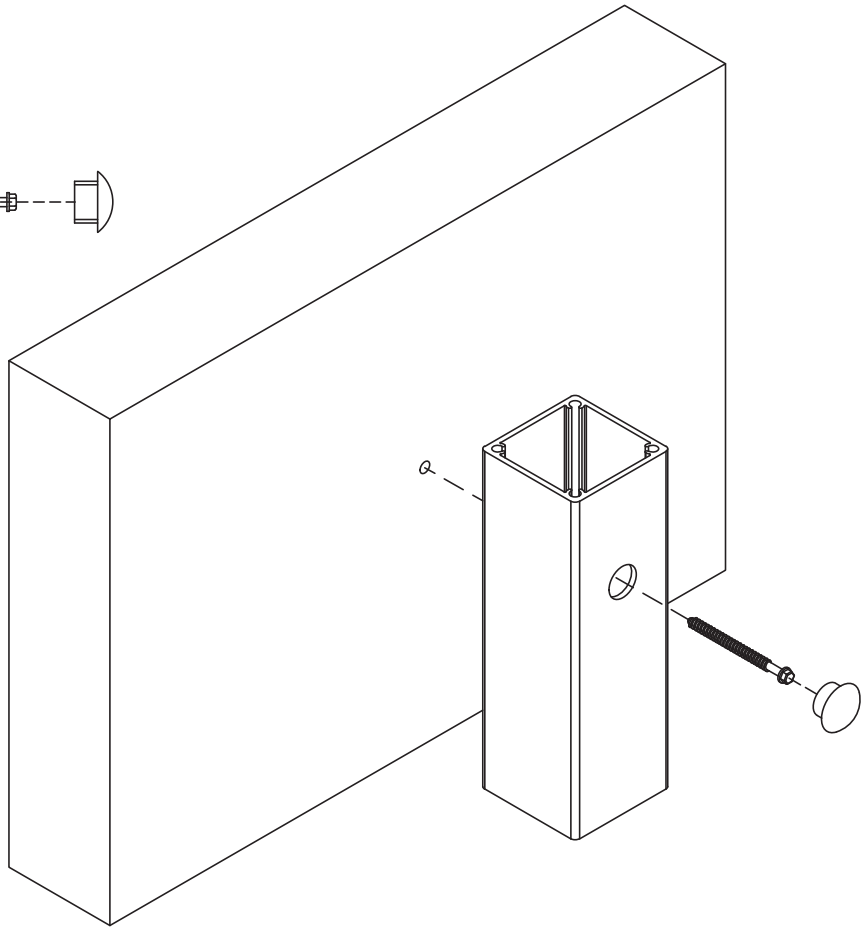
3. Place the post at the required position on the wall and with a marker, mark the hole center of all holes, on the wall.

4. Drill 3/16" holes on the marks.

5. Attach the post to the wall using concrete anchor screws.

6. Fit the hole plugs to the 1"holes.





CONFAST or TAPCON 1/4"x 2 3/4" Hex Head concrete screw anchor.