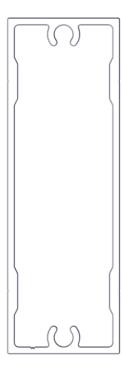
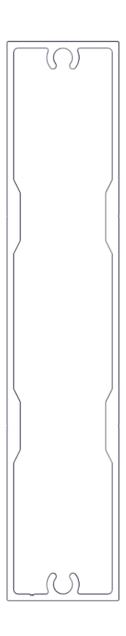


# **Privacy Beam Soffit**

Installation Guidelines





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#### Finishes

- Longboard Products are available in a wide range of powder coated finishes
- Custom solid colors are available upon request
- · Longboard Products are not recommended for use on marine applications in direct contact with salt water

Longboard extruded products are produced 1" (25mm) oversized, as one end is drilled for the coating process, and both ends have 1/2" (12mm) of masking tape (woodgrains only) which must be cut off for best results. Longboard Cladding is to be installed outboard of a weather resistant barrier, including all flashings, following code, and building requirements.

#### **Expansion & Contraction**

Privacy Beam components expand & contract 1/4" (6mm) over 24' (7.3m) along the length, measured over a 30°C (54°F) temperature range. Due to this range of movement, Privacy Beam Fins /Battens should be installed with staggered butt-joints, leaving a 1/4" (6mm) min. gap, every 24' (7.3m) min.

See Appendix for Tables 1 & 2, expansion/contraction calculations per foot/meter of material.

#### **Material Ordering & Delivery**

٠	Packaging:	Privacy Beams are sold in 24' lengths, 1x3 & 1x5. End caps are sold by the box: 20 caps/bx Single Posts are sold in 24' lengths
٠	Shipping:	Most Popular Finishes -ready to ship within 1 week Additional Finishes -ready to ship within 14 weeks Delivered on 24' (7.3m) long skids weighing up to 2000 lbs. A mechanical lift with forks is required on site to receive the order.
•	QC:	Always inspect the delivery for damage and contact LB ASAP if there are any issues: info@longboardproducts.com or 1-800-604-0343 and include your PO# and any pictures if possible. Mark the delivery receipt as "damaged" and accept the delivery as-is. Longboard is not responsible for the installation of blemished or damaged material.

#### Storage & Handling

Be sure to store the material flat, keep it dry, safe & secure and remain in unopened cartons until ready to be installed. See **Appendix for proper handling and care instructions.** 

#### **Cleaning Recommendations**

- Initial and periodic cleaning for best looking product
- Basic methods use a combination of moderate water pressure, soft sponge/brush and a mild detergent (Safe for your hands, safe for the product)

▲ NEVER use aggressive acid or alkaline cleaners on Longboard finishes. Do not use cleaners containing Trisodium Phosphate, Phosphoric Acid, Hydrochloric Acid, Hydrofluoric Acid, Fluorides, or any other compound that is known to react with metal.

\*See Cleaning Guide for full requirements & cleaning schedule: longboardproducts/resources/care-maintenance.com

#### Warranty

Upon substantial completion of the project, register for warranty online here: <u>longboardproducts.com/warranty</u>  $\triangle$  Registration is required for the warranty to be in effect.

#### **Graffiti Removal**



Note: Cleaning the surface with a cleanser that is not diluted as per instructions, may result in damage to the coating.

#### **Components (Typical)**

The Privacy Beam system consists of Beams attached to Single Posts and installed onto a support structure or exterior building envelope. For all LB components go to <u>longboardproducts.com</u>.

Privacy Beam System								
Size	Product	24'	End Caps (20/box)					
1x3"	Privacy Beam	1X3B.289	1BEC.3					
1x5″	Privacy Beam	1X5B.289	1BEC.5					
2x2"	Single Post	2X2SP.289	2X2PC.2					
2x3″	Double Post	2X3DP.289	2X3PC.3					







1x5 Beam

1x3 Beam

End Cap

Mounting Accessories	Qty	SKU
Spacer Block	100, box	2X2SB.N100
1" Spacer Bar Stock Length	1	1X2FB.145
1x3" Spacer Bar	100, box	1X2FB.1
1x5" Spacer Bar	100, box	1X2FB.3
3" Mounting Bracket	100, box	3PSMB.1
#10 Black Screws	100, box	PECS.N100



**Mounting Bracket** 



Single Post



Spacer Block

Spacer Bar



Single Post End Cap



-used to secure Single Post End Cap

#### Tools

Commonly used tools for Privacy Beam install.

Table Saw with Carbide Metal Blade Non-ferrous 60- 80T (for cutting aluminum)	Miter Saw with Carbide Metal Blade Non-ferrous 60- 80T (for cutting aluminum)	Cordless Drill with clutch	Jig Saw (for protrusions)
	0		
Rubber Mallet (or Hammer)	Level	#2 Square Drive Bit (Roberston)	3/8" Hex Head Driver

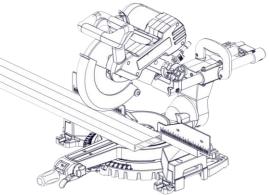
#### Cutting

Always be sure to wear appropriate PPE: eye & hearing protection.

Cut battens using a Miter Saw and Table Saw always allowing for expansion & contraction. Trim the taped/drilled ends of all stock length material by at least 1/2" (12mm) each end and discard.



A DO NOT Install Privacy Beams without trimming the ends.



#### Fastening

Longboard Privacy Beam consists of 1x3 & 1x5 extrusions which are installed onto single posts using mounting brackets for Floating system or spacer blocks for End Frame system. These posts are fastened with #12 fasteners (by others) to a solid secure support structure or substrate, sharppoint screws (for wood substrates) or self-drilling (for metal substrates).

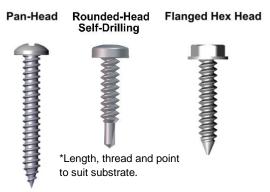
Fasteners must be corrosion resistant and comply with all local building codes.

All fasteners should be suitable for exterior use and be compatible with the substrate type. Fasteners should be anchored into a solid secure substrate.

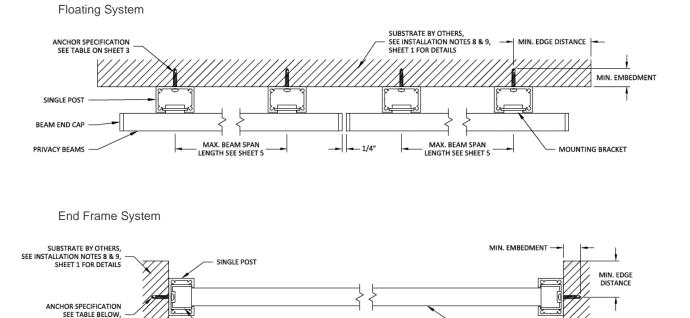
▲ See Appendix for project specific fastener spacing: Table 3

#### Fastener types

#### RECOMMENDED



PRIVACY BEAMS



MAX. BEAM SPAN LENGTH SEE SHEET 5

#### Framing/Furring requirements

MAX, SPACING SEE SHEET 5

Always consult your local building authority and follow local building code requirements.

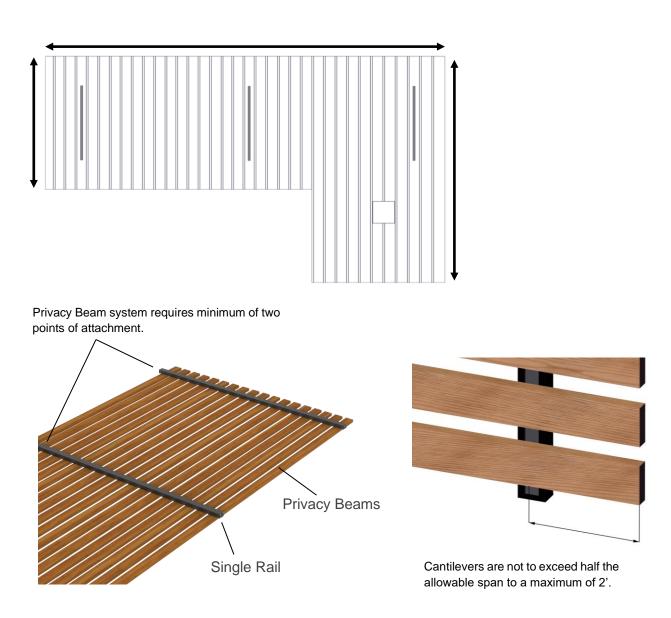
See Appendix for framing/furring/sheathing specs: Table 3

SPACER BLOCK

### 3

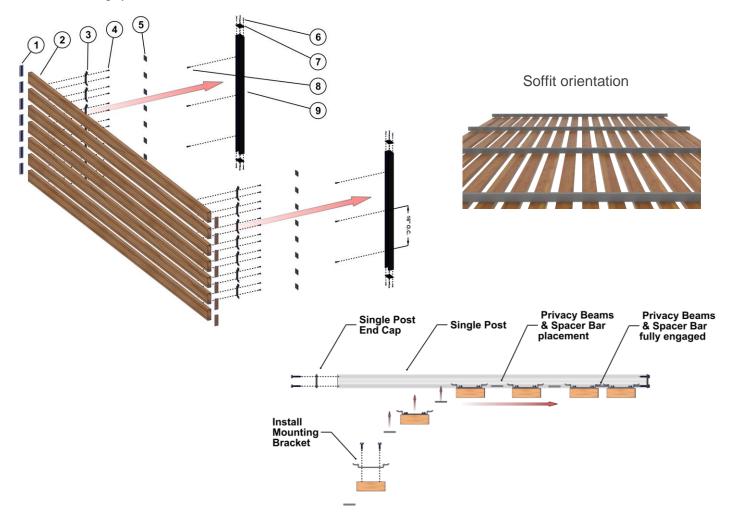
#### Perimeter and field area limitations

Measure and layout your application area to consider Privacy Beam alignment with fixtures, penetrations, and adjacent walls, for desired appearance. The same methodology applies for vertical installations.



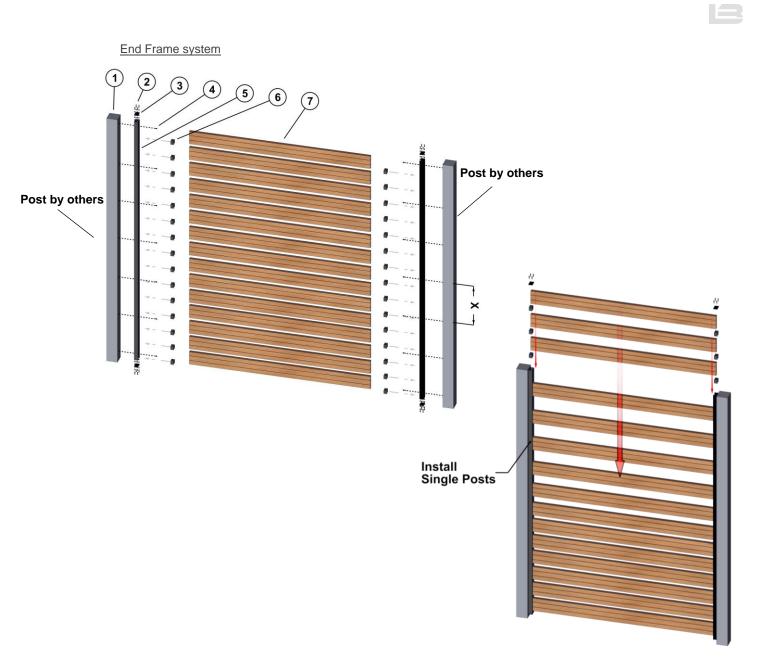
#### Component assembly overview





No.	Description	Details	SKU
1	End Cap	-End Caps are friction fit onto ends of the Privacy Beams	1BEC.3, 1BEC.5
2	Privacy Beam	-1"x3" Beam, 1"x5" Beam	1X3B.289, 1x5B.289
3	Mounting Bracket	-Secured onto Beam, (100/box)	3PSMB
4	#10-16x3/4 Tek Hex Head Screw	-For securing the bracket to the Beam Included x 2 with bracket, (200/box)	Included with Mounting Bracket
5	Spacer bar (1" piece)	-For spacing between the Beams 12' length, 1" length- (100/Box), 3" length- (100/Box)	1X2FB.145, 1X2FB.1, 1X2FB.3
6	#10-1 Pan Head Screw	-For securing the Single Post End caps (sold separately)	PECS
7	Single Post End Cap	-Secured onto the end of the Single Posts	2X2PC.2
8	#12 Fastener (by others)	-Used to secure the Posts to the structure. For spacings subject to loading see tables 3 & 4 in appendix.	N/A
9	Single Post	-Installed at 6' O.C. typical spacing, Beams are connected to the posts via the mounting bracket	2X2SP.289

12

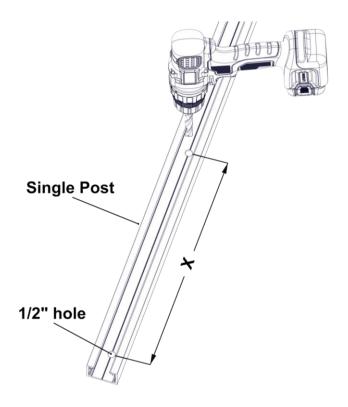


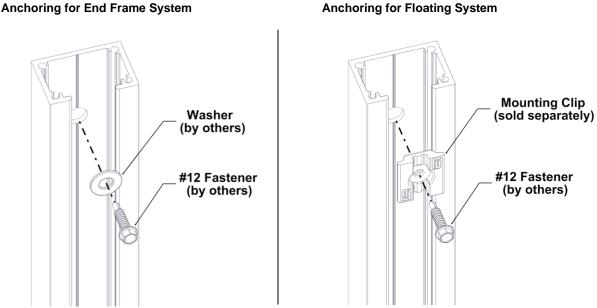
No.	Description	Details	SKU
1	Post or structural member	-By others	N/A
2	#10-1 Pan Head Screw	-For securing the Single Post End caps (sold separately)	PECS
3	Single Post End Cap	-Secured onto the end of the Single Posts	2X2PC.2
4	#12 Fastener (by others)	-Used to secure the Posts to the structure. For spacings subject to loading see tables 3 & 4 in appendix.	N/A
5	Single Post	-Installed at 6' O.C. typical spacing, Beams are connected to the posts via the mounting bracket	2X2SP.289
6	Spacer Block	-For spacing between the Beams (1" spacing)	2X2SB
7	Privacy Beam	-1"x3" Beam, 1"x5" Beam	1X3B.289, 1x5B.289

#### Preparation drilling for Install

To prepare the Privacy Beam system for install, predrill the single posts with 1/2" holes every 16" O.C. typical with the first hole approx. 2" in from the end.

\*For fastener max. spacing (X), see table 3 in Appendix for project specific loading.





#### Anchoring for End Frame System

#### Install steps

#### Floating system

#### Step 1

Layout and install predrilled Privacy Posts onto secure structure. It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best result.

Note: Be sure to fasten in the center of the 1/2" holes to allow for movement each way. Hard fasten near the center of each length to prevent migration of the material over time.

#### Step 2

Install bottom Single Post End Cap and Spacer Bar.

#### Step 3

Fasten Mounting Brackets onto Privacy Beams at desired spacing for the connection to the Single Posts. Use the Die lines as guides for the Mounting Bracket positioning.

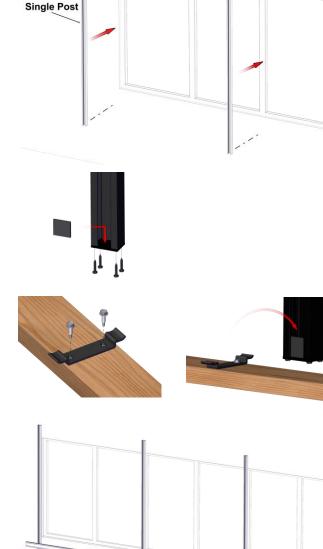
# Cut off Taped/Drilled Privacy Beam ends (1/2" each end).

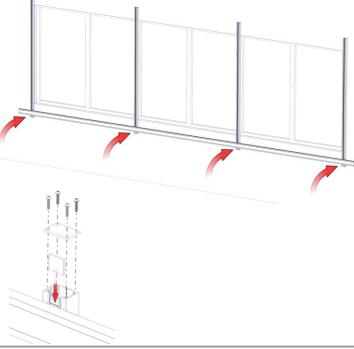
#### Step 4

Install Privacy Beams onto the Single Posts locking into place and continue until all are in place.



Step 5 To finish, install the last Spacer Bar and Single Post End Cap. Then install Privacy Beam End Caps.





#### **Install steps**

#### End Frame system

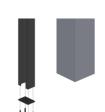
Step 1 Install bottom Single Post End Cap.

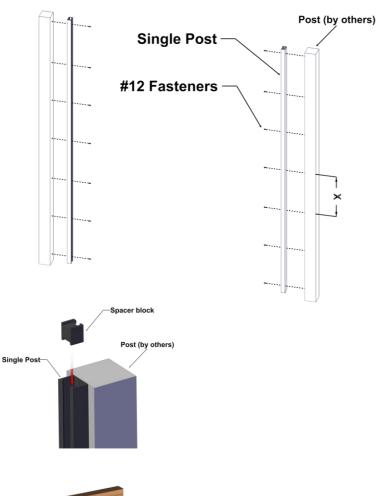
#### Step 2

Install predrilled Privacy Posts onto secure structure. It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best result.

Note: Be sure to fasten in the center of the 1/2" holes to allow for movement each way. Hard fasten near the center of each length to prevent migration of the material over time.

\*For fastener max. spacing (X), see table 3 in Appendix for project specific loading.



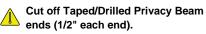


#### Step 3

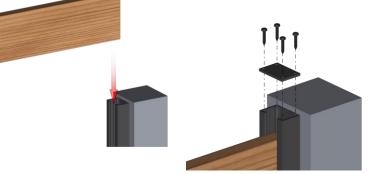
Place Spacer Block into Post from top of Post and slide down to required location.



Cut and place Privacy Beam into Single Posts. Then another Spacer Block and Beam and repeat.



Step 5 To finish, install the Single Post End Cap.

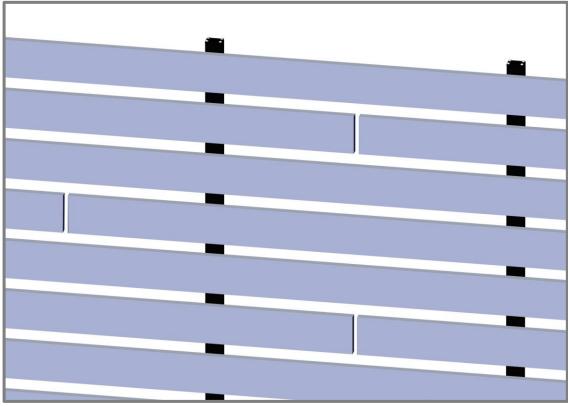


Privacy Beam Soffit Installation Guide PB\_S\_IG\_RC\_V3

#### Details

Butt-Joints

• A BUTT-JOINTS. When installing butt-joints, ensure to leave a 1/4" (6mm) min. gap. every 24' (7.3m) min. (See Detail A).



Detail A

# **Appendix**

### **Expansion and Contraction Tables**

TABLE 1 - IMPERIAL AVERAGE TEMPERATURE AT TIME OF CUTTING & INSTALLATION													
		°C	-50	-40	-30	-20	-10	0	10	20	30	40	50
		°F	-58	-40	-22	-4	14	32	50	68	86	104	122
o.	°C	۴F				EXPAN	ISION OR C	ONTRACT	ION (INCH/	FOOT)			
CONSTRUCTION TEMP.	-50	-58	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022	-0.024	-0.027
z	-40	-40	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022	-0.024
E	-30	-22	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019	-0.022
2C	-20	-4	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016	-0.019
S	-10	14	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014	-0.016
5	0	32	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011	-0.014
2	10	50	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008	-0.011
5	20	68	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005	-0.008
MIN/MAX POSI	30	86	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003	-0.005
2 N	40	104	0.024	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000	-0.003
			21 0mm 0 mm	C1 (2020)							0.005		
	50		0.027	0.024	0.022	0.019	0.016	0.014	0.011	0.008	0.005	0.003	0.000
	50 E 2 - M	ETRIC			AVERA	GE TEMPE	RATURE A	T TIME OF	CUTTING	& INSTALL	ATION		
		IETRIC	-50	-40	AVERA -30	GE TEMPE	RATURE A	T TIME OF	CUTTING	& INSTALL 20	ATION 30	40	50
	E 2 - M	ETRIC °C °F			AVERA	<b>GE TEMPE</b> -20 -4	<b>RATURE A</b> -10 14	<b>T TIME OF</b> 0 32	<b>CUTTING</b> 10 50	& INSTALL 20 68	ATION		
BL	E 2 - M °C	ETRIC °C °F °F	-50 -58	-40 -40	AVERA -30	<b>GE TEMPE</b> -20 -4	RATURE A -10 14 ISION OR C	T TIME OF 0 32 ONTRACTI	CUTTING 10 50 ON (MM/N	& INSTALL 20 68	ATION 30	40 104	50 122
BL	E 2 - M ° <b>C</b> -50	ETRIC °C °F -58	-50 -58 0.000	-40 -40	AVERA -30 -22 -0.460	GE TEMPE -20 -4 EXPAN -0.690	RATURE A -10 14 SION OR C -0.920	T TIME OF 0 32 ONTRACTI -1.150	CUTTING 10 50 ON (MM/N -1.380	& INSTALL 20 68 1ETER) -1.610	ATION 30	40 104 -2.070	50 122 -2.300
BL	E 2 - M °C -50 -40	ETRIC °C °F °F -58 -40	-50 -58 0.000 0.230	-40 -40 -0.230 0.000	AVERA -30 -22 -0.460 -0.230	GE TEMPE -20 -4 EXPAN -0.690 -0.460	RATURE A -10 14 ISION OR C -0.920 -0.690	T TIME OF 0 32 0NTRACTI -1.150 -0.920	CUTTING 10 50 ON (MM/N -1.380 -1.150	& INSTALL 20 68 IETER) -1.610 -1.380	ATION 30 86 -1.840 -1.610	40 104 -2.070 -1.840	50 122 -2.300 -2.070
BL	E 2 - M -50 -40 -30	ETRIC °C °F -58 -40 -22	-50 -58 0.000 0.230 0.460	-40 -40 -0.230 0.000 0.230	AVERA -30 -22 -0.460 -0.230 0.000	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230	RATURE A -10 14 ISION OR C -0.920 -0.690 -0.460	T TIME OF 0 32 ONTRACTI -1.150 -0.920 -0.690	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920	& INSTALL 20 68 IETER) -1.610 -1.380 -1.150	ATION 30 86 -1.840 -1.610 -1.380	40 104 -2.070 -1.840 -1.610	50 122 -2.300 -2.070 -1.840
BL	€ 2 - M • C -50 -40 -30 -20	ETRIC °C °F -58 -40 -22 -4	-50 -58 0.000 0.230 0.460 0.690	-40 -40 -0.230 0.000 0.230 0.460	AVERA -30 -22 -0.460 -0.230 0.000 0.230	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000	RATURE A -10 14 ISION OR C -0.920 -0.690 -0.460 -0.230	T TIME OF 0 32 0NTRACTI -1.150 -0.920 -0.690 -0.460	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690	& INSTALL 20 68 1ETER) -1.610 -1.380 -1.150 -0.920	ATION 30 86 -1.840 -1.610 -1.380 -1.150	40 104 -2.070 -1.840 -1.610 -1.380	50 122 -2.300 -2.070 -1.840 -1.610
BL	€ 2 - M • C -50 -40 -30 -20 -10	ETRIC °C °F -58 -40 -22 -4 14	-50 -58 0.000 0.230 0.460 0.690 0.920	-40 -40 -0.230 0.000 0.230 0.460 0.690	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000 0.230	RATURE A -10 14 SION OR C -0.920 -0.690 -0.460 -0.230 0.000	T TIME OF 0 32 0NTRACTI -1.150 -0.920 -0.690 -0.460 -0.230	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460	& INSTALL 20 68 (ETER) -1.610 -1.380 -1.150 -0.920 -0.690	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920	40 104 -2.070 -1.840 -1.610 -1.380 -1.150	50 122 -2.300 -2.070 -1.840 -1.610 -1.380
BL	€ 2 - M • C -50 -40 -30 -20 -10 0	ETRIC °C °F -58 -40 -22 -4 14 32	-50 -58 0.000 0.230 0.460 0.690 0.920 1.150	-40 -40 -0.230 0.000 0.230 0.460 0.690 0.920	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460 0.690	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000 0.230 0.460	RATURE A           -10           14           SION OR C           -0.920           -0.690           -0.460           -0.230           0.000           0.230	T TIME OF 0 32 0NTRACTI -1.150 -0.920 -0.690 -0.460 -0.230 0.000	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460 -0.230	& INSTALL 20 68 (ETER) -1.610 -1.380 -1.150 -0.920 -0.690 -0.460	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690	40 104 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920	50 122 -2.300 -2.070 -1.840 -1.610 -1.380 -1.150
BL	E 2 - M -50 -40 -30 -20 -10 0 10	ETRIC °C °F -58 -40 -22 -4 14 32 50	-50 -58 0.000 0.230 0.460 0.690 0.920 1.150 1.380	-40 -40 -0.230 0.000 0.230 0.460 0.690 0.920 1.150	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690	RATURE A           -10           14           SION OR C           -0.920           -0.690           -0.460           -0.230           0.000           0.230           0.460	T TIME OF 0 32 0NTRACTI -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000	& INSTALL 20 68 (ETER) -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460	40 104 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690	50 122 -2.300 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920
BL	E 2 - M -50 -40 -30 -20 -10 0 10 20	ETRIC °C °F -58 -40 -22 -4 14 32 50 68	-50 -58 0.000 0.230 0.460 0.690 0.920 1.150 1.380 1.610	-40 -40 -0.230 0.000 0.230 0.460 0.690 0.920 1.150 1.380	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920 1.150	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920	RATURE A -10 14 SION OR C -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690	T TIME OF 0 32 ONTRACTI -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230	& INSTALL 20 68 (ETER) -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230	40 104 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460	50 122 -2.300 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690
BL	© C -50 -40 -30 -20 -10 0 10 20 30	ETRIC °C °F -58 -40 -22 -4 14 32 50 68 86	-50 -58 0.000 0.230 0.460 0.690 0.920 1.150 1.380 1.610 1.840	-40 -40 -0.230 0.000 0.230 0.460 0.690 0.920 1.150 1.380 1.610	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920 1.150 1.380	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.230 0.230 0.460 0.690 0.920 1.150	RATURE A -10 14 SION OR C -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920	T TIME OF 0 32 0NTRACTI -1.150 -0.920 -0.690 -0.460 0.230 0.000 0.230 0.460 0.690	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460	& INSTALL 20 68 IETER) -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000	40 104 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230	50 122 -2.300 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460
	E 2 - M -50 -40 -30 -20 -10 0 10 20	ETRIC °C °F -58 -40 -22 -4 14 32 50 68	-50 -58 0.000 0.230 0.460 0.690 0.920 1.150 1.380 1.610	-40 -40 -0.230 0.000 0.230 0.460 0.690 0.920 1.150 1.380	AVERA -30 -22 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920 1.150	GE TEMPE -20 -4 EXPAN -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690 0.920	RATURE A -10 14 SION OR C -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460 0.690	T TIME OF 0 32 ONTRACTI -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230 0.460	CUTTING 10 50 ON (MM/N -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000 0.230	& INSTALL 20 68 (ETER) -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230 0.000	ATION 30 86 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460 -0.230	40 104 -2.070 -1.840 -1.610 -1.380 -1.150 -0.920 -0.690 -0.460	

#### **TABLE 3**

					PF	RIVACY E	BEAM SE	PAN TAB	LE			v.1.2
1X3 & 1X5 PRIVACY BEAM						PSF (F	actored / U	timate)				
1x3 Beam* 1x5 Beam*	3	20	30	40	50	60	70	80	90	100	110	120
	4'											1x3 Beam 1x5 Beam
	6'					1x5 Beam	1x3 Beam					
POST SPACING (FT)	7'		1x5 Beam	1x3 Beam					 			
CANTILEVERS are not to exceed half (1/2) the	8'		am Only									

\*CANTILEVERS are not to exceed half (1/2) the allowable span to a maximum of 2'

Calculations are using L/180 deflection limits

SINGLE POST ANCHOR TABLE				
FASTENER SPA	CING (INCHES)			
FLOATING SYSTEM	END FRAME SYSTEM			

SINGLE POST		FLOATING SYSTEM				END FRAME SYSTEM			
		WOOD	STEEL/ ALUM.	CONCRETE/ CMU	WOOD	STEEL/ ALUM.	CONCRETE/ CMU		
	4'	16"	6"	6"	6"	14"	6"		
	6'	18"	7"	7"	7"	16"	6"		
POST SPACING (FT)	7	24"	10"	10"	10"	24"	10"		
	8' *	24"	12"	12"	12"	24"	11*		

SUBSTRATE TYPE	SUBSTRATE REQUIREMENTS	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	Min. specific gravity = 0.55 wood	#12 Wood Screw	1-1/2"	1"
STEEL	Min. 1/16" thick, Min. Fy=36 ksl.	#12 Self-Drilling or Self-Tapping Screw	3 threads penetration past	1/2"
ALUMINUM	Min. 1/8", Min. 6063-T5	(Grade 5)	metal structure	1/2
CONCRETE	Min. 3000 psi	3/16" ITW Tapcon	1-1/2"	2"
HOLLOW/GROUT-FILLED CMU	Conforms to ASTM C-90, with Min. compressive strength of 2000 psi	and nw lapton	1-1/4"	3"

GENERAL NOTES:

1. This product has been designed and manufactured to comply with the current Florida Building Code (FBC), INCLUDING HVHZ and has been evaluated according to the following:

- Section 1709.8

- ASTM E8-16

2. Adequacy of the structural concrete/masonry and 2X framing as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the engineer or architect of record for the project of installation.

3. Substrate shall be designed and anchored to properly transfer all loads to the structure. Buck design and installation is the responsibility of the engineer or architect of record for the project of installation.

4. The installation details described herein are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed herein, a licensed engineer or architect shall prepare site specific documents for use with this document.

5. The Privacy Beam System has not been designed to be a life-safety item. Designs of this nature are the responsibility of the engineer or architect of record.

#### INSTALLATION NOTES:

1. One (1) installation anchor is required at each location. Minimum of two (2) anchors per batten.

2. Spacing is from fastener center to center.

3. The number of installation anchors per the table is the minimum number of anchors to be used for product installation.

4. Install individual installation anchors within a tolerance of +/- 1/2<sup>o</sup> of the specified spacings. Tolerances are not cumulative from one installation anchor to the next.

5. Minimum embedment and edge distance exclude wall finishes, including but not limited to stucco, foam, brick veneer, sheathing and siding.

Installation anchors and associated hardware must be made of corrosion resistant material or have a corrosion resistant coating. Common fastener types can be equal or better to a & b listed below:
 a. Zinc plated fasteners for moderate climate zones

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b. 316 Stainless Steel fasteners for coastal climate zones

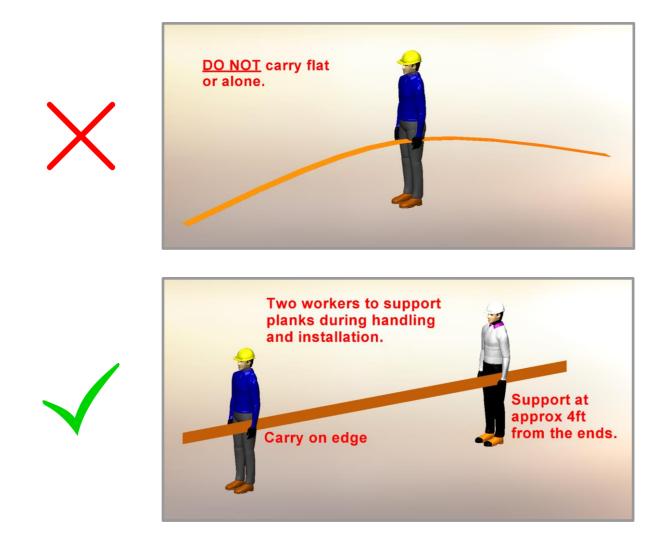
7. For holiow block and grout filed CMU block, do not install installation anchors into mortar joints. Edge distance is measured from free edge of block or edge of mortar joint into face shell of block.

8. Installation anchors shall be installed in accordance with anchor manufacturer's installation instructions, and anchors shall not be used in substrates with strengths less than the minimum strength specified by the anchor manufacturer.

## **Proper Handling of Longboard Products**



To help avoid injury and product damage, Longboard products require proper handling to and from storage areas during installation. When carrying or installing any products it is recommended that they be moved or carried by at least two people with each support point approximately 4ft from the ends. Carrying products without proper support can cause excessive bending which may damage the appearance or finish of the product. Any short cut lengths should also be carried on edge while supporting the material. See below for details.



#### A Delivery, Storage & Handling A

- Always inspect the delivery for damage and contact LB ASAP if there are any issues: <u>info@longboardproducts.com</u> or 1-800-604-0343 and include your PO# and any pictures if possible. Longboard is not responsible for the installation of blemished or damaged material.
- Be sure to store the material flat, keep it dry, safe & secure and remain in unopened cartons until ready to be installed.
- Always wear appropriate PPE when handling products.

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Every effort has been made to ensure that the information in these installation guidelines is accurate. Longboard is not responsible for printing or clerical errors.

For more information, contact client care at info@longboardproducts.com or call toll free 1-800-604-0343.