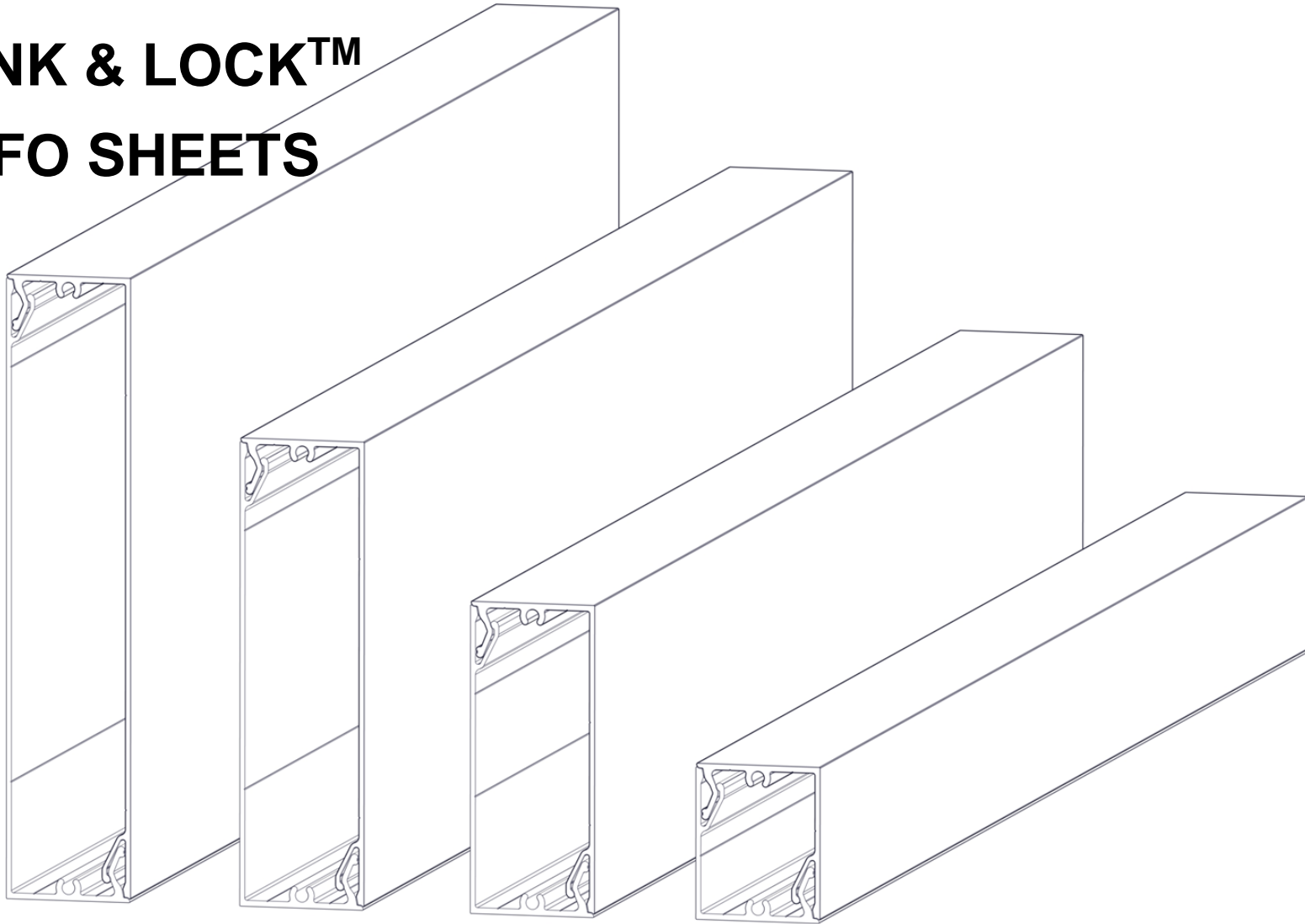




LONGBOARD®
INSPIRING ARCHITECTURE

LINK & LOCK™

INFO SHEETS



L&L Dimensions

Finishes:

Woodgrains, Solid, Specialty

Custom Solid Color Matching - (Additional lead times apply)



2" Link & Lock



4" Link & Lock



6" Link & Lock



8" Link & Lock

Actual Sizes & Weights

| L&L | Width | Depth | Length | Weight(lbs/LF) *per set |
|-------|--------------|-----------------|---------|-------------------------|
| 2" | 2" (50.8mm) | 1 5/8" (41.3mm) | 12'/24' | 0.93 |
| 4" | 4" (101.6mm) | 1 5/8" (41.3mm) | 12'/24' | 1.3 |
| 6" | 6" (152.4mm) | 1 5/8" (41.3mm) | 12'/24' | 1.6 |
| 8" | 8" (203mm) | 1 5/8" (41.3mm) | 12'/24' | 1.9 |
| 4"x4" | 4" (101.6mm) | 4" (101.6mm) | 12'/24' | 1.8 |
| 4"x6" | 4" (101.6mm) | 6" (152.4mm) | 12'/24' | 2.1 |

Physical data:

- 6063-T5 Extruded Aluminum
- 100% recyclable
- Warranty on Finish: 15 year (standard)/20 year* (ultra) (*10week lead time); Aluminum: 50 year

Link & Lock™ Battens

| Size | 12' | 24' | End Caps (20/box) | End Mounts (20/box) |
|------|-----------|-----------|----------------------|------------------------|
| 2" | 2X2LL.145 | 2X2LL.289 | 2LLEC.2 | 2LLEM.2 |
| 4" | 2X4LL.145 | 2X4LL.289 | 2LLEC.4 | 2LLEM.4 |
| 6" | 2X6LL.145 | 2X6LL.289 | 2LLEC.6 | 2LLEM.6 |
| 8" | 2X8LL.145 | 2X8LL.289 | 2LLEC.8 | 2LLEM.8 |

| Mounting Accessories | Qty | SKU |
|---|---------|-------------|
| Link & Lock Mounting Clip | 48, bag | LLMC.N48 |
| Dewalt® 1/2" Pilot Point Drill Bit | 1 | DRILLBT.05 |
| 24' Link & Lock Internal Stiffener | 1 | LLSTIFF.289 |
| 3M® Double Sided Adhesive Tape - 108' | 1, roll | LLTAPE.1296 |

Link & Lock™ Box Battens

| | | | | |
|--------|-----------|-----------|---------|---|
| 4 x 4" | 4X4LL.145 | 4X4LL.289 | 4LLEC.4 | - |
| 4 x 6" | 4X6LL.145 | 4X6LL.289 | 4LLEC.6 | - |



4"x4" Link & Lock



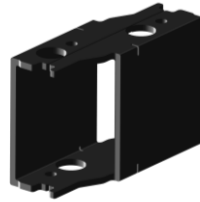
4"x6" Link & Lock

L&L Installation Components [See L&L Install Guide for details](#)



Mounting Clip:

- Nylon with embedded SS washer
- Used on Batten and Fin orientation to secure the back "L" to the substrate
- Included in order with L&L for 6' O.C. attachment
- Additional Clips purchased separately (48 pcs/box)



End Mount:

- Extruded 6063-T5 Aluminum Alloy, powder coated black
- Used for End-to-End attachment to provide a solid mount for the L&L set to wrap around and snap together
- Available for 2", 4", 6" & 8" L&L
- Purchased separately (20 pcs/box)



#12 Fastener (By others):

- Zinc-plated or Stainless Steel
- Used for attaching the back "L" to the substrate
- Use the correct fastener for the required project substrate
- Supplied by others



Internal Stiffener:

- Extruded 6063-T5 Aluminum Alloy (comes powder coated black)
- Used for reinforcing the 4", 6" & 8" L&L to allow for up to 12' spans between attachment points
- See Testing and Loading page for span allowance



1/2" Pilot Point Drill Bit:

- 1/2" Pilot Point Drill Bit
- Used for Drilling out the holes for mounting the L&L to the substrate
- See Install Guide for drilling details



Paint Pen:

- Color choices available
- Used for touch ups at the ends before installing End Caps
- Purchased separately



Double-sided Adhesive Tape:

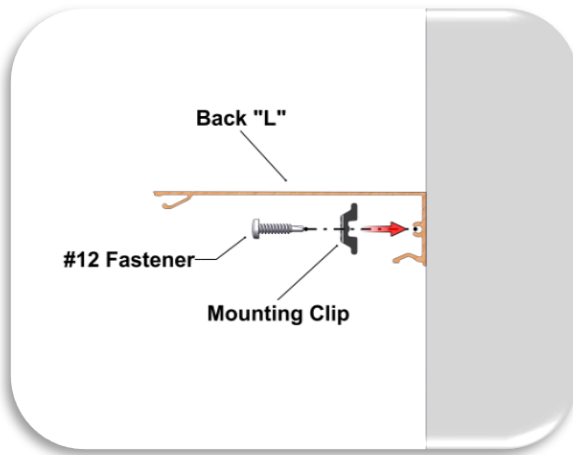
- 3M VHB Tape
- Used for attaching the Internal Stiffener to the back "L" of the L&L set
- Tape is placed in the center of the Stiffener

L&L Install Images

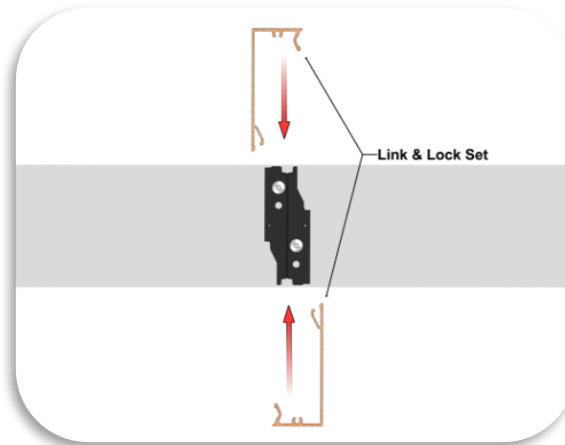
See L&L Install Guide for details

BIM & CAD: RVT & DWG files available, see website for details

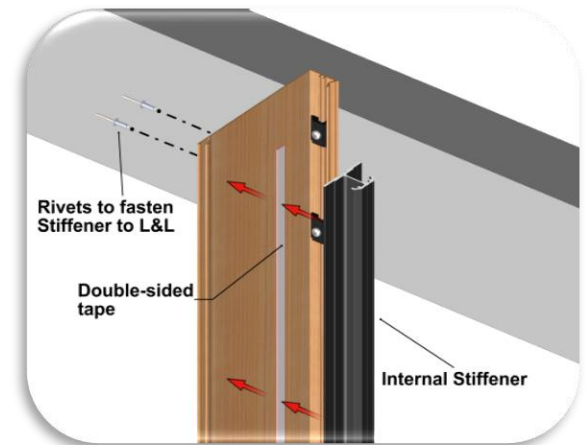
Mounting Clip (Fin orientation)



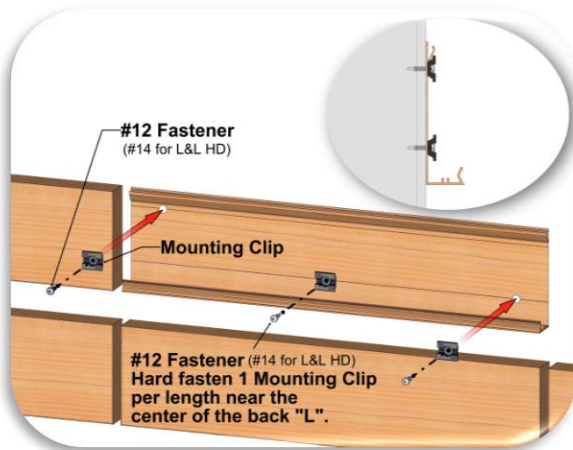
End Mount



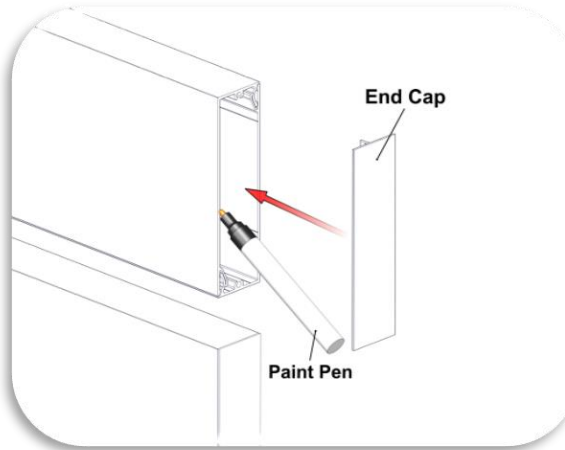
Internal Stiffener (with Double-sided Tape)



Mounting Clip (Batten orientation)



Paint Pen (for cut edges)



Drilling (Fin orientation)



L&L Testing Data and Allowable Spans

LONGBOARD
INSPIRING ARCHITECTURE

| 2" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 4' | [Green] | | | | | | | | | |
| | 6' | [Green] | | | | | | | | | |
| | 8' | [Green] | | | | | | | | | |
| | 10' | [Green] | | | | | | | | | |

All testing has been performed using L/180 deflection limits

LONGBOARD
INSPIRING ARCHITECTURE

| 4" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 2' | [Green] | | | | | | | | | | |
| | 4' | [Green] | | | | | | | | | | |
| | 6' | [Green] | | | | | | | | | | |
| | 8' | [Green] | | | | | | | | | | |

All testing has been performed using L/180 deflection limits

LONGBOARD
INSPIRING ARCHITECTURE

| 6" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 2' | [Green] | | | | | | | | | |
| | 4' | [Green] | | | | | | | | | |
| | 6' | [Green] | | | | | | | | | |

All testing has been performed using L/180 deflection limits

LONGBOARD
INSPIRING ARCHITECTURE

| 8" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 2' | [Green] | | | | | | | | | |
| | 4' | [Green] | | | | | | | | | |
| | 6' | [Green] | | | | | | | | | |

All testing has been performed using L/180 deflection limits

LONGBOARD
INSPIRING ARCHITECTURE

| 4x4 LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 8' | [Green] | | | | | | | | | | |
| | 10' | [Green] | | | | | | | | | | |
| | 12' | [Green] | | | | | | | | | | |

All testing has been performed using L/180 deflection limits

LONGBOARD
INSPIRING ARCHITECTURE

| 4x6 LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 8' | [Green] | | | | | | | | | |
| | 10' | [Green] | | | | | | | | | |
| | 12' | [Green] | | | | | | | | | |


All testing has been performed using L/180 deflection limits


Testing:
ICC-ESR 4183 Evaluation Report - Division: 05 00 00 – METALS
 • Section: 05 50 00 - Metal Fabrications

LARR - Los Angeles Department of Building Safety (LADBS) accepts ICC-ES reports as proof of compliance

Florida Product Code: FL41842

International Building Code (IBC), International Residential Code (IRC)
 California Building Code (CBC), California Residential Code (CRC)
 City of Los Angeles Building Code (LABC)
 City of Los Angeles Residential Code (LARC)
 Florida Building Code – Building, Florida Building Code - Residential

 Fire Rating: Class A Non-Combustible by ASTM E136 & ASTM E84

 Light Reflectance: 5% (Black) up to 73.2% (Ultra White)

L&L Allowable Spans with Stiffener

LONGBOARD
INSPIRING ARCHITECTURE

| 4" LINK & LOCK W. STIFFENER | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|-----------------------------|-------|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | **4' | [Green] | | | | | | | | | |
| | **6' | [Green] | | | | | | | | | |
| | **8' | [Green] | | | | | | | | | |
| | **10' | [Green] | | | | | | | | | |
| | **12' | [Green] | | | | | | | | | |

All testing has been performed using L/180 deflection limits
**Using Longboard Link & Lock Internal Stiffener

LONGBOARD
INSPIRING ARCHITECTURE

| 6" LINK & LOCK W. STIFFENER | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|-----------------------------|-------|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | **4' | [Green] | | | | | | | | | |
| | **6' | [Green] | | | | | | | | | |
| | **8' | [Green] | | | | | | | | | |
| | **10' | [Green] | | | | | | | | | |

All testing has been performed using L/180 deflection limits
**Using Longboard Link & Lock Internal Stiffener

LONGBOARD
INSPIRING ARCHITECTURE

| 8" LINK & LOCK W. STIFFENER | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|-----------------------------|------|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | **2' | [Green] | | | | | | | | | |
| | **4' | [Green] | | | | | | | | | |
| | **6' | [Green] | | | | | | | | | |
| | **8' | [Green] | | | | | | | | | |

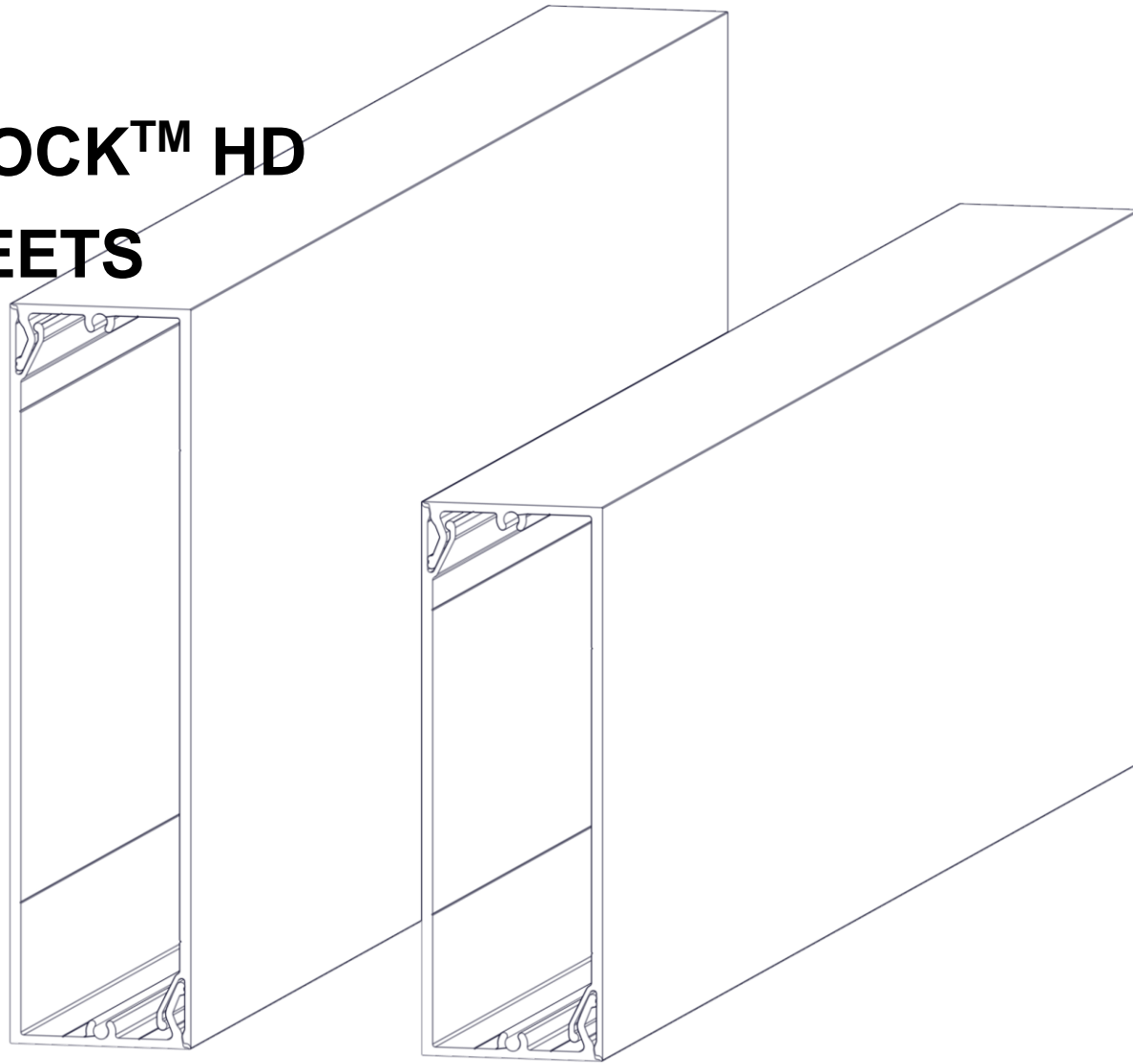
All testing has been performed using L/180 deflection limits
**Using Longboard Link & Lock Internal Stiffener



LONGBOARD®
INSPIRING ARCHITECTURE

LINK & LOCK™ HD

INFO SHEETS



L&L HD Components

Finishes:

Woodgrains, Solid, Specialty

Custom Solid Color Matching - (Additional lead times apply)



6" Link & Lock HD



8" Link & Lock HD



Link & Lock HD End Mount

Actual Sizes & Weights

| L&L | Width | Depth | Length | Weight(lbs/LF) *per set |
|-----|--------------|-------------|---------|-------------------------|
| 6" | 6" (152.4mm) | 2" (50.8mm) | 12'/24' | 2.4 |
| 8" | 8" (203mm) | 2" (50.8mm) | 12'/24' | 3 |

| Size | 12' | 24' | End Caps (20/box) | End Mounts (20/box) |
|------|-------------|-------------|-------------------|---------------------|
| 6" | 2X6LLHD.145 | 2X6LLHD.289 | 2LLHDEC.6 | 2LLHDEM.6 |
| 8" | 2X8LLHD.145 | 2X8LLHD.289 | 2LLHDEC.8 | 2LLHDEM.8 |

| Mounting Accessories | Qty | SKU |
|------------------------------------|---------|------------|
| Link & Lock Mounting Clip | 48, bag | LLMC.N48 |
| Dewalt® 1/2" Pilot Point Drill Bit | 1 | DRILLBT.05 |

Physical data:

- 6063-T5 Extruded Aluminum
- 100% recyclable
- Warranty on Finish: 15 year (standard)/20 year* (ultra) (*10week lead time); Aluminum: 50 year

BIM & CAD:

- RVT & DWG files to be available



Mounting Clip:

- Nylon with embedded SS washer
- Used on Batten and Fin orientation to secure the back "L" to the substrate
- Included in order with L&L for 6' O.C. attachment
- Additional Clips purchased separately (48 pcs/bag)



#14 Fastener

-Eng. & Load Dependent (By others):

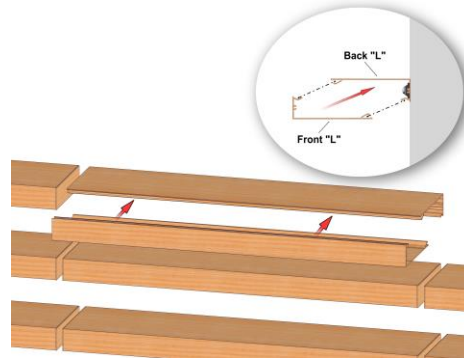
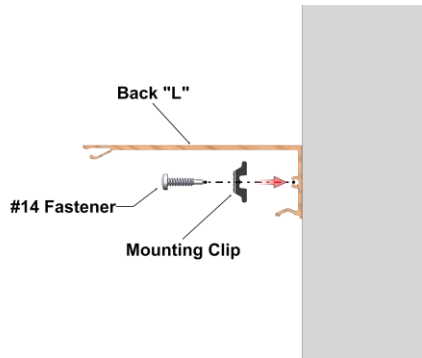
- Zinc-plated or Stainless Steel
- Used for attaching the back "L" to the substrate
- Use the correct fastener for the required project substrate
- Supplied by others



1/2" Pilot Point Drill Bit:

- 1/2" Pilot Point Drill Bit
- Used for Drilling out the holes for mounting the L&L to the substrate
- See Install Guide for drilling details

L&L HD Installation, Testing Data & Allowable Spans See L&L Install Guide for details



**Fastening
Fin Orientation**



**Fastening
Batten Orientation**

Testing: (In Development)

ICC-ES Evaluation Report -
Division: 05 00 00 – METALS

- Section: 05 50 00 - Metal Fabrications

LARR - Los Angeles Department of Building Safety (LADBS) accepts ICC-ES reports as proof of compliance

International Building Code (IBC)
International Residential Code (IRC)
California Building Code (CBC)
California Residential Code (CRC)
City of Los Angeles Building Code (LABC)
City of Los Angeles Residential Code (LARC)
Florida Building Code – Building
Florida Building Code - Residential

☀️ Light Reflectance: 5% (Black) up to 73.2% (Ultra White)

🔥 Fire Rating: Class A Non-Combustible by ASTM E136 & ASTM E84

| 6" LINK & LOCK HD | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 8' | Green | | | | | | | | | | |
| | 12' | Green | | | | | | | | | | |

All testing has been performed using L/180 deflection limits

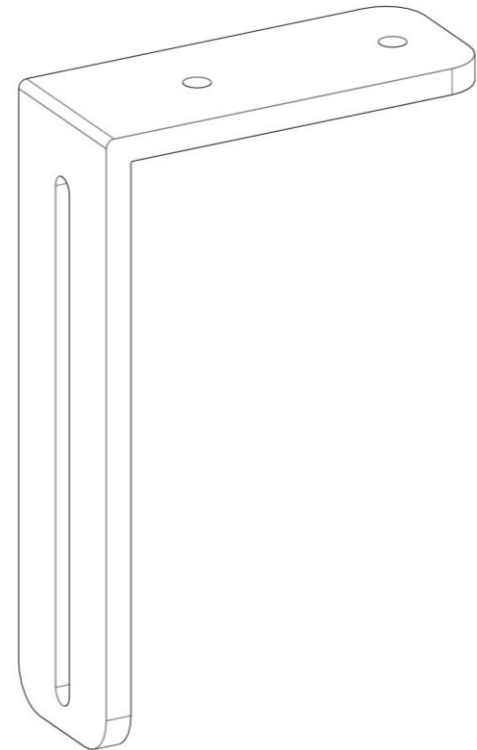
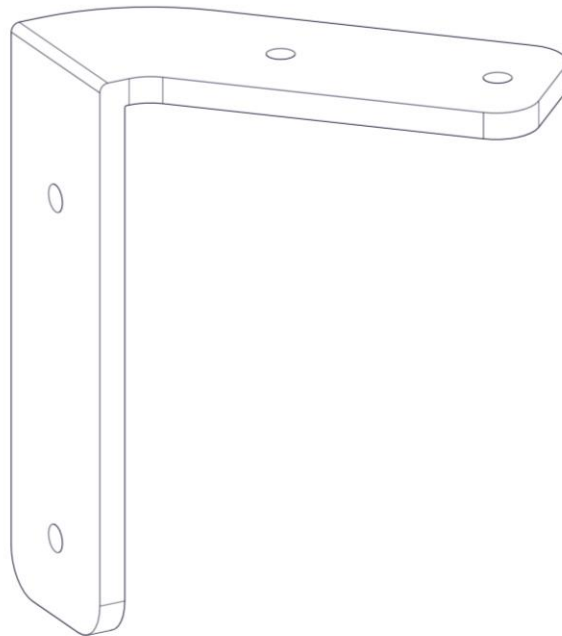
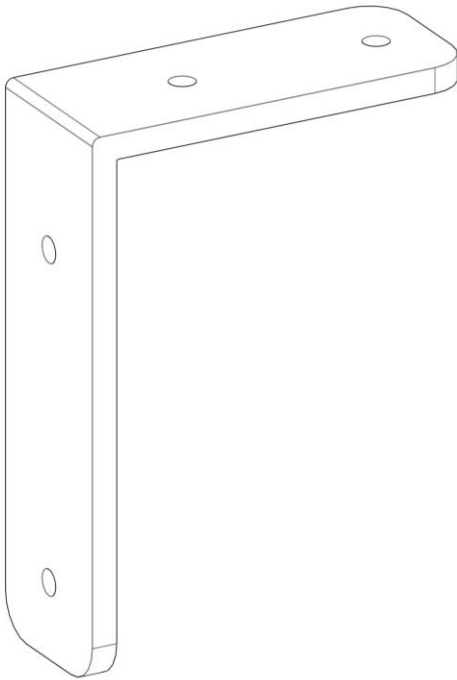
| 8" LINK & LOCK HD | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 4' | Green | | | | | | | | | | |
| | 6' | Green | | | | | | | | | | |
| | 8' | Green | | | | | | | | | | |
| | 10' | Green | | | | | | | | | | |

All testing has been performed using L/180 deflection limits



LONGBOARD®
INSPIRING ARCHITECTURE

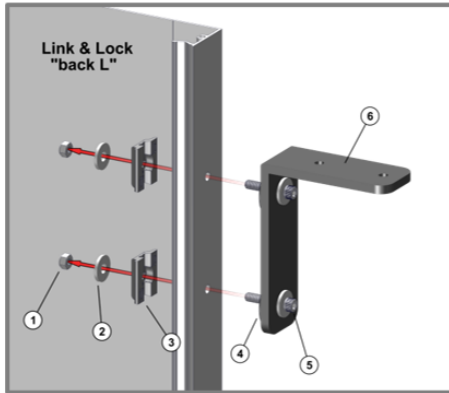
LINK & LOCK™ BRACKETS INFO SHEETS



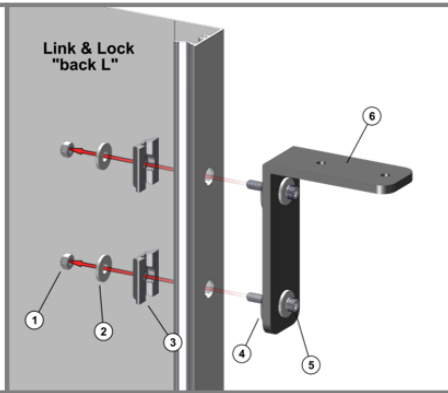
L&L Bracket Components

Single Bracket for horizontal substrate

Fixed Bracket (Hard fastened with 1/4" holes)

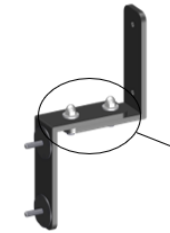
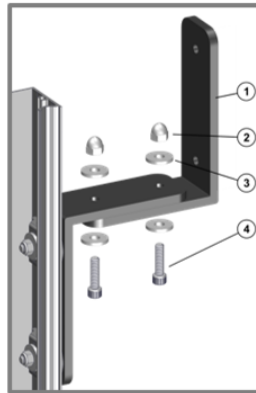


Fixed Bracket (Expansion 1/2" holes)



| No. | Description | Material | Qty |
|-----|---|------------------------------|-----|
| 1 | 1/4" -20 Locknut | Stainless Steel Nylon-Insert | 2 |
| 2 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 4 |
| 3 | Link & Lock Mounting Clip | Nylon w. Stainless Washer | 2 |
| 4 | Self-Retaining Washer for 1/4" size | Nylon, Black | 2 |
| 5 | 1/4" -20 Socket Head Screw, 1-1/4" length | Stainless Steel | 2 |
| 6 | Link & Lock Bracket -90 Center Fixed | 6005A Aluminum | 1 |

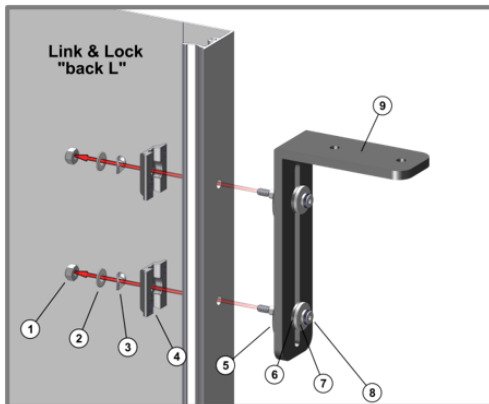
Dual Bracket for vertical substrate



Dual Bracket components are pre-assembled by manufacturer. Do not adjust or remove unless authorized by the manufacturer.

| No. | Description | Material | Qty |
|-----|---|-----------------|-----|
| 1 | Link & Lock Dual Bracket -90 Center Fixed | 6005A Aluminum | 1 |
| 2 | Distorted-Thread Cap Locknut | Stainless Steel | 2 |
| 3 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 4 |
| 4 | 7/8" Socket Head Screw | Stainless Steel | 2 |

Sliding Bracket (Use 1/4" holes)



| No. | Description | Material | Qty |
|-----|--|------------------------------|-----|
| 1 | 10-24 Locknut | Stainless Steel Nylon-Insert | 2 |
| 2 | Washer, #10 screw size, 0.5" OD | Stainless Steel | 2 |
| 3 | Single-Wave Washer, 0.5" OD | Stainless Steel | 2 |
| 4 | Link & Lock Mounting Clip | Nylon w. Stainless Washer | 2 |
| 5 | Self-Retaining Washer for 1/4" screw size | Nylon, Black | 2 |
| 6 | Plastic Washer, 1/4" screw size, 0.734 OD | Nylon, Black | 2 |
| 7 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 2 |
| 8 | 1/4" Shoulder screw, 1" Shoulder length 10-24 Thread | Stainless Steel | 2 |
| 9 | Link & Lock Bracket -90 Center Sliding | 6005A Aluminum | 1 |

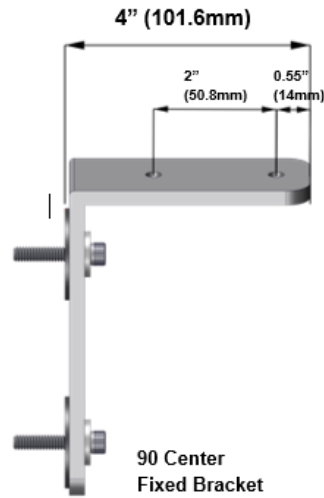
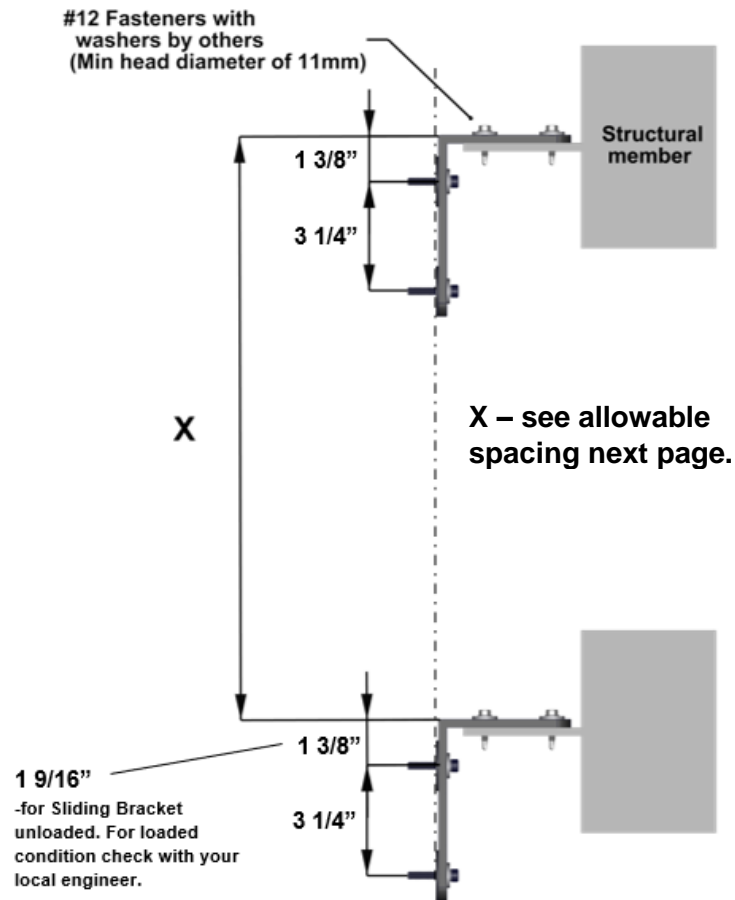
Link & Lock™ Mounting Brackets

| Product | Single | Dual |
|--------------------|------------|------------|
| 45° LEFT FIXED | LLMBK.45LF | LLMDK.45LF |
| 45° RIGHT FIXED | LLMBK.45RF | LLMDK.45RF |
| 90° CENTER FIXED | LLMBK.90F | LLMDK.90F |
| 45° LEFT SLIDING | LLMBK.45LS | LLMDK.45LS |
| 45° RIGHT SLIDING | LLMBK.45RS | LLMDK.45RS |
| 90° CENTER SLIDING | LLMBK.90S | LLMDK.90S |



Single Dual
Link & Lock™ Mounting Brackets

L&L Bracket Dimensions



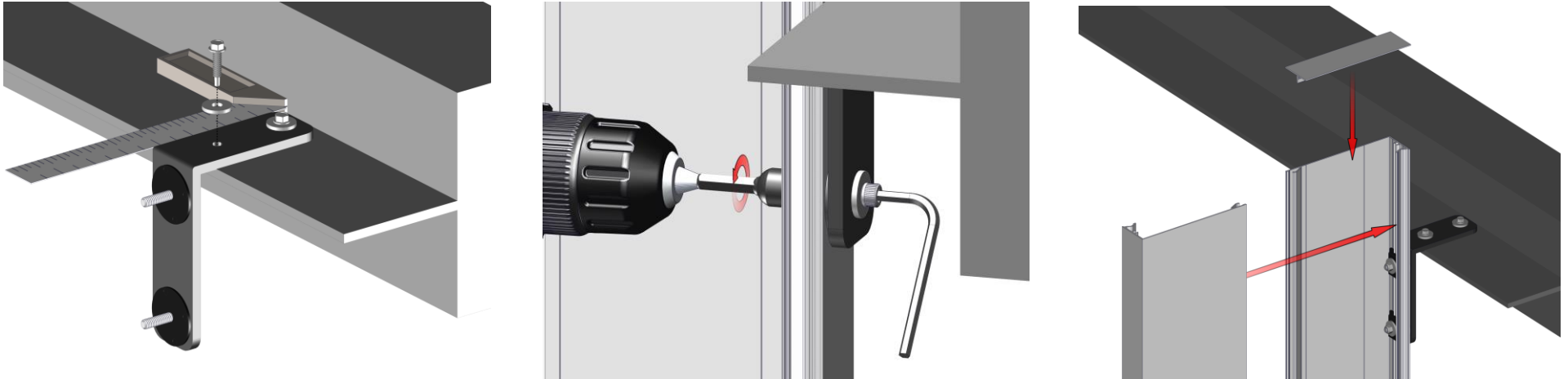
Tools for Bracket Install to L&L

Nut Driver
7/16" Fixed Brackets
3/8" Sliding Brackets

Allen Key
3/16" Fixed Brackets
1/8" Sliding Brackets

L&L Bracket Installation, Load Data & Allowable Spacing

See [L&L Install Guide](#) for details



| LINK & LOCK™ BATTEN | LINK & LOCK™ BRACKET MAX. SPACING (FT) | | | | | | | | | |
|-----------------------------------|--|-----|----|----|----|----|----|-----|-----|-----|
| | WIND LOAD PSF (FACTORED/ULTIMATE) | | | | | | | | | |
| | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 1-5/8" x 2" | 10' | 8' | | | | 6' | | | | 4' |
| 1-5/8" x 4" | 8' | 6' | | 4' | | | | 2' | | |
| 1-5/8" x 4" w. Internal Stiffener | 12' | 10' | 8' | | 6' | | | 4' | | |
| 1-5/8" x 6" | | 6' | | | 4' | | | | 3' | 2' |
| 1-5/8" x 6" w. Internal Stiffener | 10' | 8' | 6' | | | 4' | | | 3' | |
| 1-5/8" x 8" | 6' | 4' | | | | | | 2' | | |
| 1-5/8" x 8" w. Internal Stiffener | 8' | 6' | | 4' | | | 3' | | | 2' |
| 2" x 6" HD | 10 | 8' | 6' | | | 4' | | | 3' | |
| 2" x 8" HD | 8' | 6' | | 4' | | | 3' | | | 2' |

Recommended torque value for Link & Lock™ to Bracket attachment:

note 1 Factored Wind Load: max. 168 LBS/EA Bracket

note 2 Factored Dead Load: max. 29 LBS/EA Fixed Bracket

note 3 Fixed Bracket 1/4" -20 Socket Head Screw, 60 in/lbs + prevailing torque of self-locking nut

note 4 Sliding Bracket 1/4" Shoulder Socket Head Screw (#10-24 thread), 20 in/lbs + prevailing torque of self-locking nut



LONGBOARD®
INSPIRING ARCHITECTURE

Link & Lock™ Cladding

Installation Guidelines

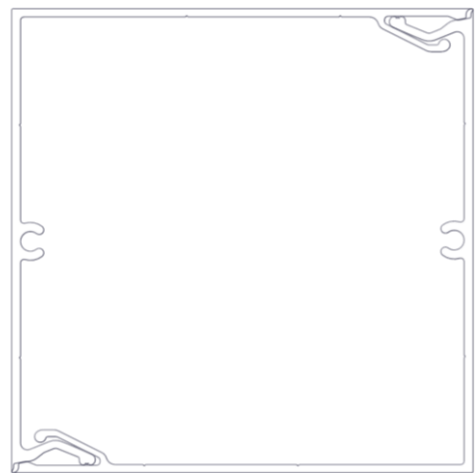
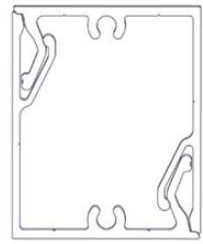
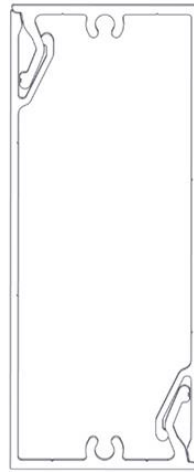
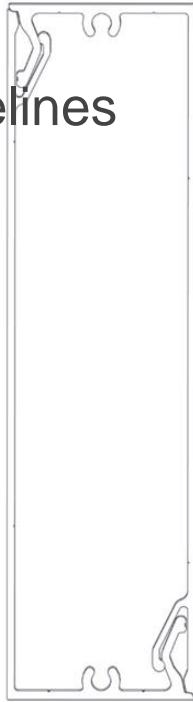


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Material Specifications

Finishes

- Longboard Products are available in a wide range of powder coated finishes
- Custom solid colors are available upon request

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.

Expansion & Contraction

Link & Lock 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, Link & Lock Fins/Louvers/Battens should be installed with staggered butt-joints, leaving a 1/4" (6mm) min. gap, every 24' (7.3m) min. Alternatively, staggered lap-joints are an option for a continuous appearance, however 1/4" (6mm) gaps should be left at each joint to allow for thermal movement. Be sure to lap joints by 2' (610mm) minimum over the back "L". See **Appendix for Tables 1 & 2, expansion/contraction calculations per foot/meter of material.**

Material Ordering & Delivery

- | | |
|--------------|---|
| • Packaging: | Link & Lock is sold by the set (pair) and in widths of 2", 4", 6", 8" End caps are sold by the box: 20 caps/bx End Mounts are sold by the box: 20 mounts/bx Stiffener is sold in 24' lengths (includes Double-sided Tape) |
| • 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.com/resources/care-maintenance.com

Warranty

Upon substantial completion of the project, register for warranty online here: longboardproducts.com/warranty

⚠ Registration is required for the warranty to be in effect.

Graffiti Removal

Standard Woodgrain
 Use Standard soap & water only

D2000 Solid Color

| | Prosoco Cleaner | MEK Solvent |
|-------------------------|-------------------------------------|-------------------------------------|
| Permanent Marker | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Oil Based Spray Paint | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Water Based Spray Paint | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Adhesive Tape | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

MEK Solvent

Prosoco Anti-Graffiti Cleaner

SPECIAL ORDER - EXT. LEAD TIMES CONTACT LB

Anti-Graffiti High Gloss Woodgrain

| | MEK Solvent |
|-------------------------|-------------------------------------|
| Permanent Marker | <input checked="" type="checkbox"/> |
| Oil Based Spray Paint | <input checked="" type="checkbox"/> |
| Water Based Spray Paint | <input checked="" type="checkbox"/> |
| Adhesive Tape | <input checked="" type="checkbox"/> |

MEK Solvent

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

Components

Components (Typical)

The Link & Lock™ system consists of two (2) matching L-shaped extrusions, snapped together to make a complete set. For all LB components go to longboardproducts.com.

Link & Lock™ Battens

| Size | 12' | 24' | End Caps (20/box) | End Mounts (20/box) |
|------|-----------|-----------|----------------------|------------------------|
| 2" | 2X2LL.145 | 2X2LL.289 | 2LLEC.2 | 2LLEM.2 |
| 4" | 2X4LL.145 | 2X4LL.289 | 2LLEC.4 | 2LLEM.4 |
| 6" | 2X6LL.145 | 2X6LL.289 | 2LLEC.6 | 2LLEM.6 |
| 8" | 2X8LL.145 | 2X8LL.289 | 2LLEC.8 | 2LLEM.8 |

Link & Lock™ HD Battens

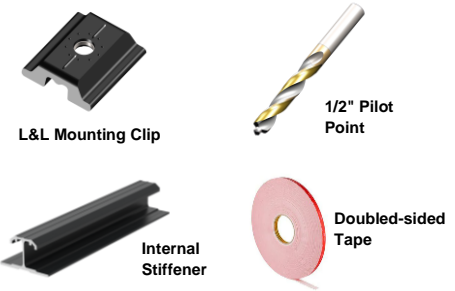
| | | | | |
|----|-------------|-------------|-----------|-----------|
| 6" | 2X6LLHD.145 | 2X6LLHD.289 | 2LLHDEC.6 | 2LLHDEM.6 |
| 8" | 2X8LLHD.145 | 2X8LLHD.289 | 2LLHDEC.8 | 2LLHDEM.8 |

Link & Lock™ Box Battens

| | | | | |
|--------|-----------|-----------|---------|---|
| 4 x 4" | 4X4LL.145 | 4X4LL.289 | 4LLEC.4 | - |
| 4 x 6" | 4X6LL.145 | 4X6LL.289 | 4LLEC.6 | - |



| Mounting Accessories | Qty | SKU |
|---------------------------------------|---------|-------------|
| Link & Lock Mounting Clip | 48, bag | LLMC.N48 |
| Dewalt® 1/2" Pilot Point Drill Bit | 1 | DRILLBT.05 |
| 24' Link & Lock Internal Stiffener | 1 | LLSTIFF.289 |
| 3M® Double Sided Adhesive Tape - 108' | 1, roll | LLTAPE.1296 |



Link & Lock™ Mounting Brackets


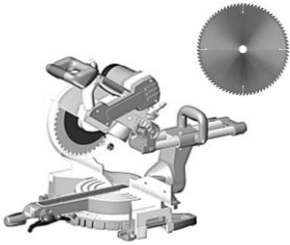

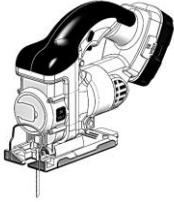

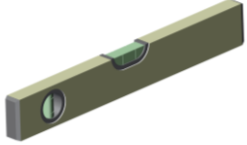


| Product | Single | Dual |
|--------------------|------------|------------|
| 45° LEFT FIXED | LLMBK.45LF | LLMDK.45LF |
| 45° RIGHT FIXED | LLMBK.45RF | LLMDK.45RF |
| 90° CENTER FIXED | LLMBK.90F | LLMDK.90F |
| 45° LEFT SLIDING | LLMBK.45LS | LLMDK.45LS |
| 45° RIGHT SLIDING | LLMBK.45RS | LLMDK.45RS |
| 90° CENTER SLIDING | LLMBK.90S | LLMDK.90S |



Tools/Cutting/Fastening

Tools

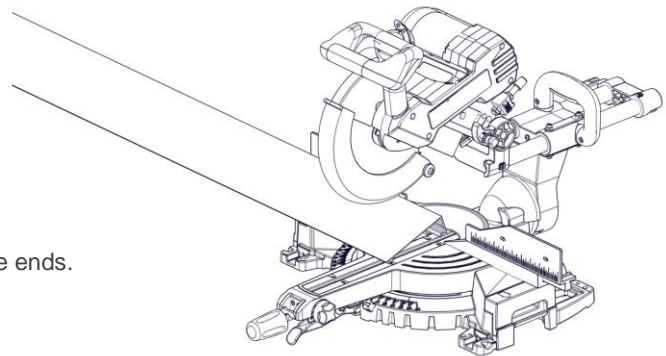
Commonly used tools for Link & Lock install.

| | | | |
|---|---|--|---|
|  |  |  |  |
| Table Saw (Match blade type same as Miter Saw) | Miter Saw with Carbide Metal Blade Non-ferrous 60-80T (for cutting aluminum) | Cordless Drill with clutch | Jig Saw (for protrusions) |
|  |  |  |  |
| Rubber Mallet (or Hammer) | Level | Hole Saw (for lighting fixtures) | Quick Grip Bar Clamp |

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.



⚠ **DO NOT** Install Link & Lock without trimming the ends.

Fastening

Longboard Link & Lock™ consists of two (2) matching L-shaped extrusions, snapped together to make a complete set. The back “L” is mechanically fastened to the substrate, using Longboard **Mounting Clips** fastened every **6-8’ O.C. up to 12ft when using Stiffeners** with #12 (#14 for L&L HD) sharp-point screws (for wood substrates) or self-drilling (for metal substrates). The Mounting Clips are included in the order for 6’ spacings.

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.**

Layout and predrill the back “L” at all fastener locations. Refer to **Preparation drilling for Install** for hole dimensions and further details.

⚠ See **Appendix for project specific fastener spacing:**
Allowable Span - Tables 3-13

| Fastener Types/Sizes for L&L | | |
|------------------------------|----------|----------|
| L&L | Pan Head | Hex Head |
| 2” | #12 | #12 |
| 4” | #12 | #12 |
| 6” | #12 | #12 |
| 8” | #12 | #12 |
| 4”x4” | #12 | #12 |
| 4”x6” | #12 | #12 |
| 6” HD | #14 | #14 |
| 8” HD | #14 | #14 |

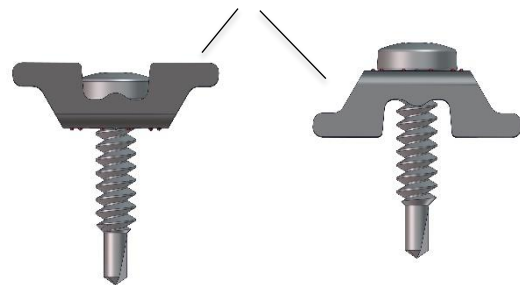
Fastener types

RECOMMENDED

Pan-Head Rounded-Head Self-Drilling Flanged Hex Head



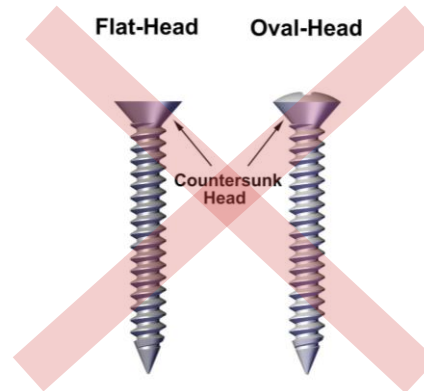
Mounting Clip



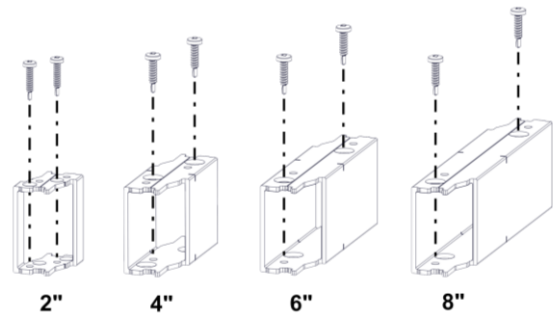
Batten (flat orientation)

Fin orientation

DO NOT USE



| Fastener Types/Sizes for End Mounts | | |
|-------------------------------------|----------|----------|
| End Mount | Pan Head | Hex Head |
| 2" | #10 | X |
| 4" | #12 | #12 |
| 6" | #12 | #12 |
| 8" | #12 | #12 |
| 6" HD | #14 | #14 |
| 8" HD | #14 | #14 |



Framing requirements

Always consult your local building authority and follow local building code requirements. See Typical dimensions for sizes and weights of the L&L system.

Wood Framing

- Size: 2x4 minimum

Metal Framing

- Gauge: 18 ga. minimum

Concrete/CMU

Wood or metal furring is recommended over concrete and CMU.

Wood Furring:

- Size: 2x2 minimum
- Type: Pressure treated lumber

Metal Furring:

- Size: 18 ga. minimum
- Type: Hat channel, c-stud, or z-furring.

System Install

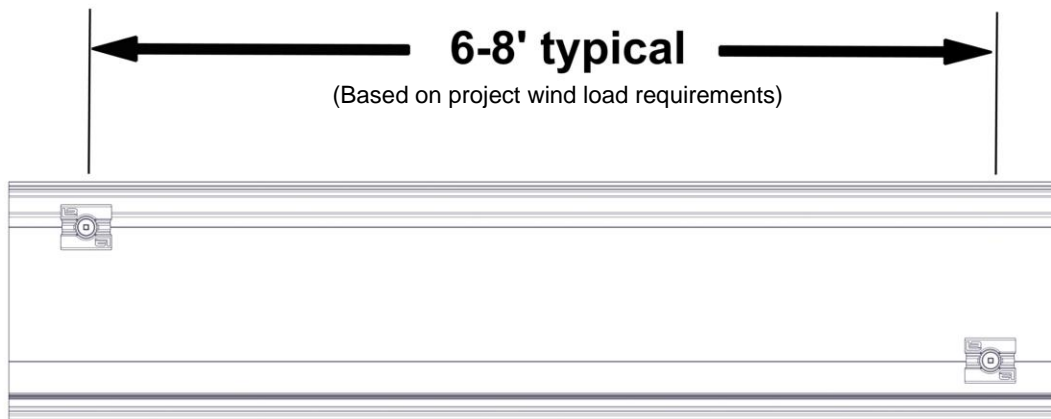
Install details

Typical dimensions

- Longboard Link & Lock system typical dimensions:

| L&L | Width | Depth | Length | Weight(lbs/LF) *per set |
|-------|--------------|-----------------|---------|-------------------------|
| 2" | 2" (50.8mm) | 1 5/8" (41.3mm) | 12'/24' | 0.93 |
| 4" | 4" (101.6mm) | 1 5/8" (41.3mm) | 12'/24' | 1.3 |
| 6" | 6" (152.4mm) | 1 5/8" (41.3mm) | 12'/24' | 1.6 |
| 8" | 8" (203mm) | 1 5/8" (41.3mm) | 12'/24' | 1.9 |
| 4"x4" | 4" (101.6mm) | 4" (101.6mm) | 12'/24' | 1.8 |
| 4"x6" | 6" (152.4mm) | 4" (101.6mm) | 12'/24' | 2.1 |
| 6" HD | 6" (152.4mm) | 2" (50.8mm) | 12'/24' | 2.4 |
| 8" HD | 8" (203mm) | 2" (50.8mm) | 12'/24' | 3 |

- Longboard Products are not recommended for use on marine applications in direct contact with salt water.
- Link & Lock is an open-joint system which is required to be installed outboard of a weather resistant barrier, including all flashings, following code, and building requirements.
- It is good practice to leave a 1/4" (6mm) gap between every component joint or 24' (7.3m) to allow for expansion & contraction. Consider the joints where components meet each other to dictate which component is installed first (eg: right angle butt joints, mitered joints etc.).
- Mounting Clips allow for movement of the battens, to expand & contract during thermal changes.
- Fasten Mounting Clips every 6-8' typical (based on project wind load requirements), alternating from top to bottom for battens using die lines for guides.

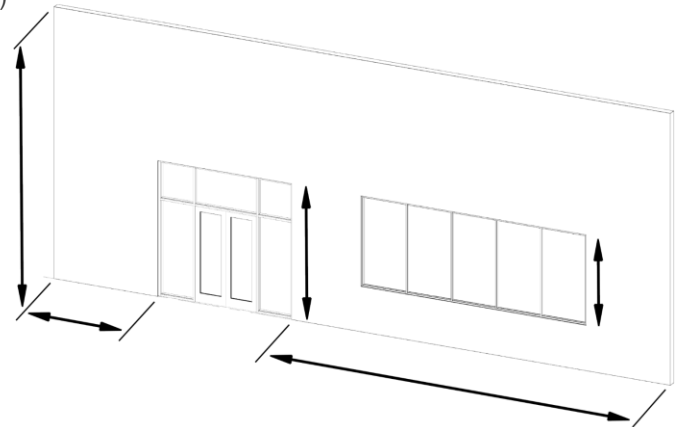
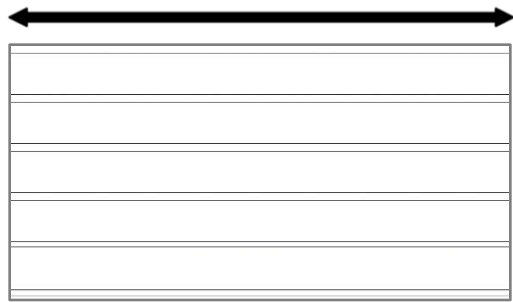


System layout and Install steps

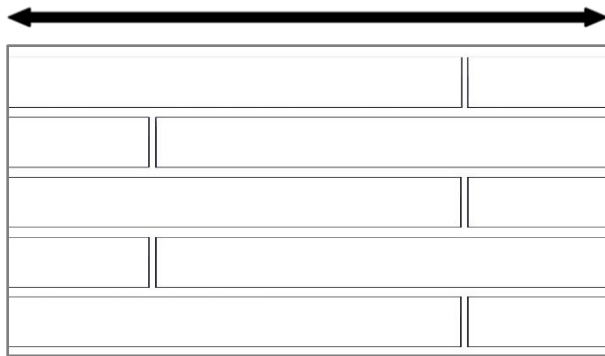
Perimeter and field area limitations

Measure and layout your wall area to consider Link & Lock alignment with fixtures, penetrations, and adjacent walls, for desired appearance. The same methodology applies for vertical installations.

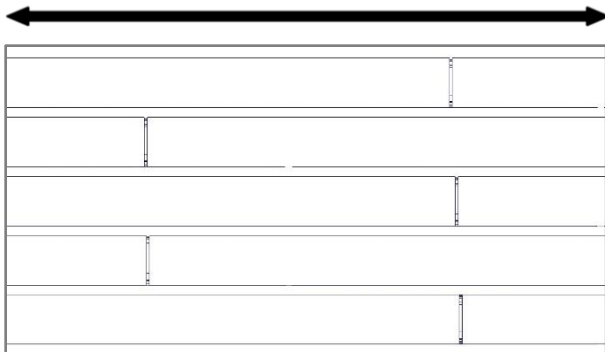
Seamless runs up to 24' length battens (no butt-joints)



Runs with staggered butt-joints



Runs with staggered lap-joints.



Preparation drilling for Install

To prepare Link & Lock for install, layout and predrill the back "L" with 1/2" holes every 6-8' O.C. typical, with the first hole 2" in from the end to allow space for the End Cap.

For the Batten orientation, alternate the holes from top to bottom using the Dielines for guides.

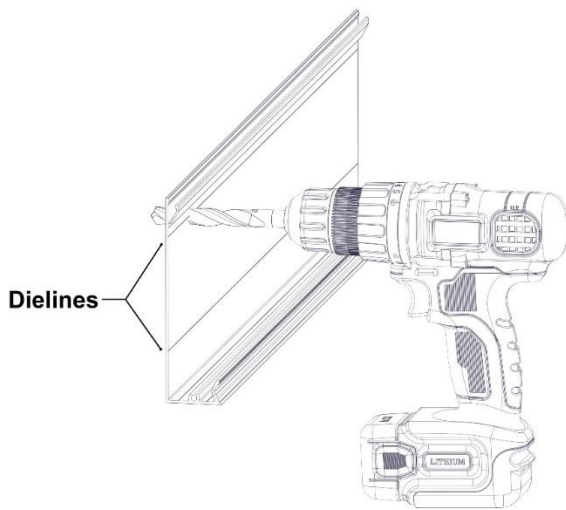
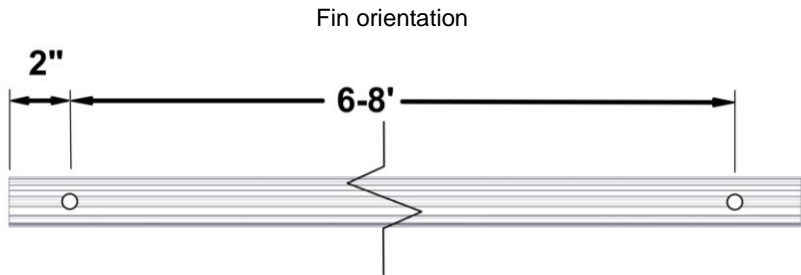
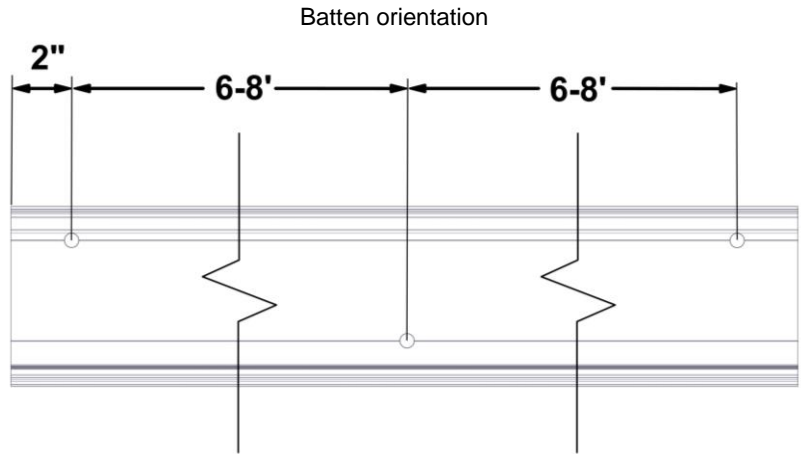
For Fin orientation, use Pilot Point Drill Bit (see below) as recommended for ease of drilling.

Note: To hard fasten 1 location per length, omit the drilled hole at that location and use for hard fastening.

See **Appendix for project specific fastener spacing:**

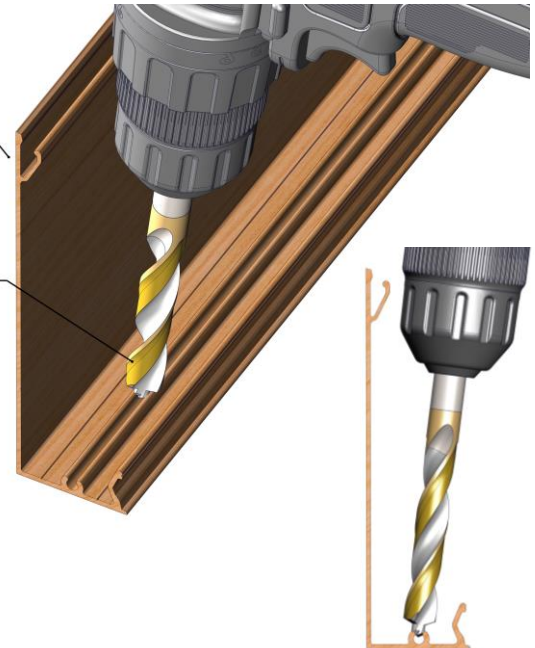
Allowable Span - Tables 3-13

⚠ Tip: Add weep holes as good practice to allow any potential moisture to escape.



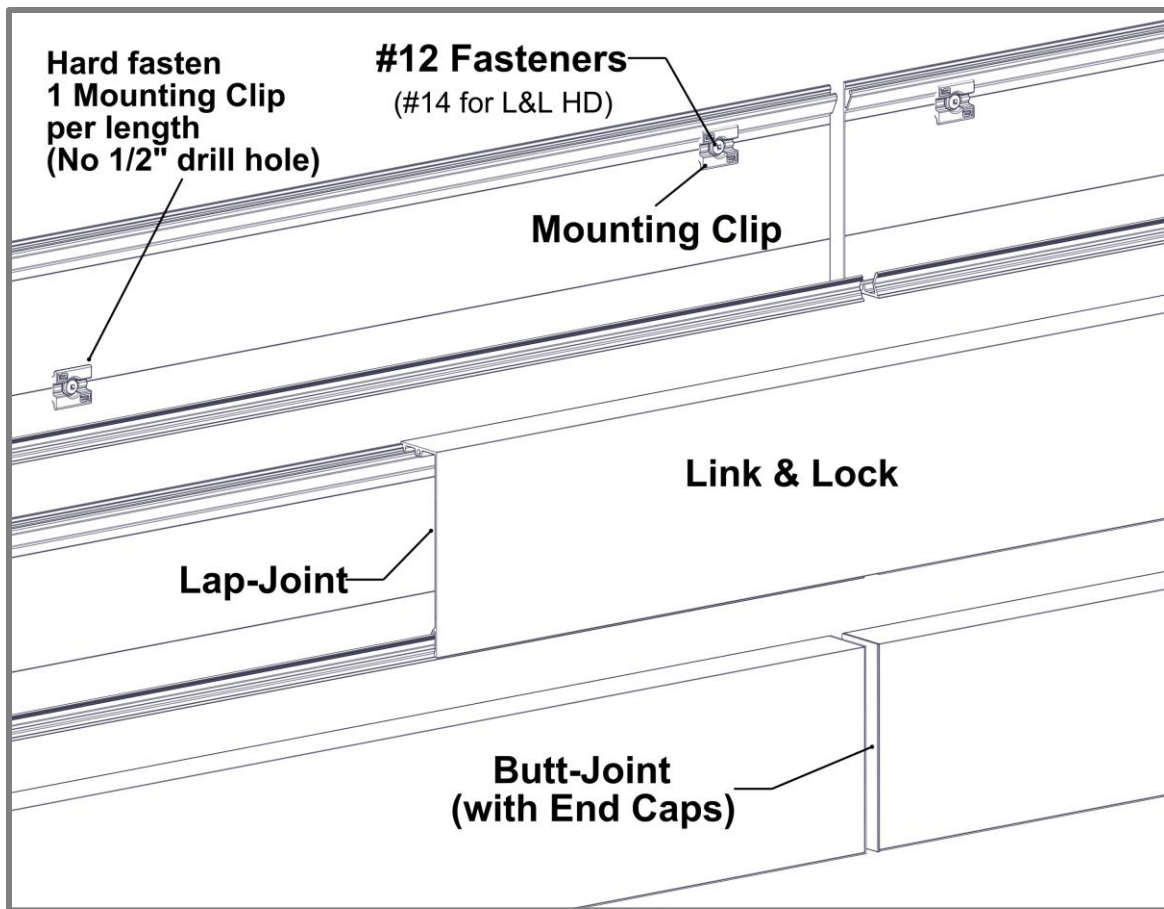
Back "L"

1/2" Pilot Point Drill Bit



Butt-Joints & Lap Joints

- **⚠ BUTT-JOINTS.** When installing butt-joints, ensure to leave a 1/4" (6mm) min. gap. every 24' (7.3m) min. (See **Detail A**). Fasteners should be anchored into a solid secure framing member, blocking, furring strip, or backer plate, etc.
- **⚠ LAP-JOINTS.** When installing lap-joints, ensure to leave a 1/4" (6mm) min. gap. every 24' (7.3m) min. (See **Detail A**). Fasteners should be anchored into a solid secure framing member, blocking, furring strip, or backer plate, etc.
- If needed, use touch-up paint pens (purchased separately) to finish the ends at the butt-joint or lap-joint.
- It is good practice to hard-fasten each back "L" at one point per length typically near the center, to keep the battens from migrating.
- DO NOT hard-fasten more than one (1) location per batten.

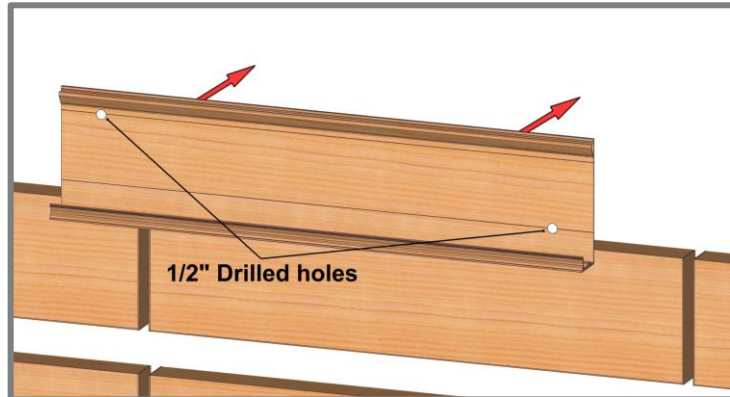


Detail A

Install Batten orientation

Step 1

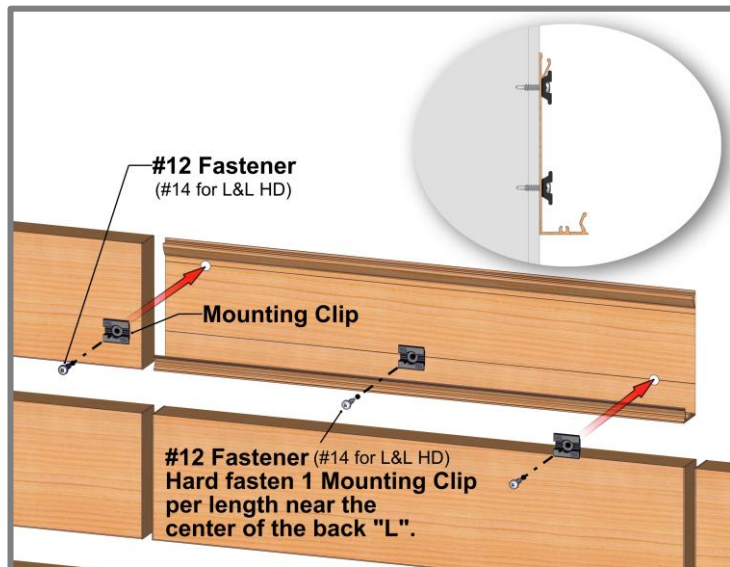
Place predrilled Link & Lock back "L" into position (Drilling page 11). It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best results.



Step 2

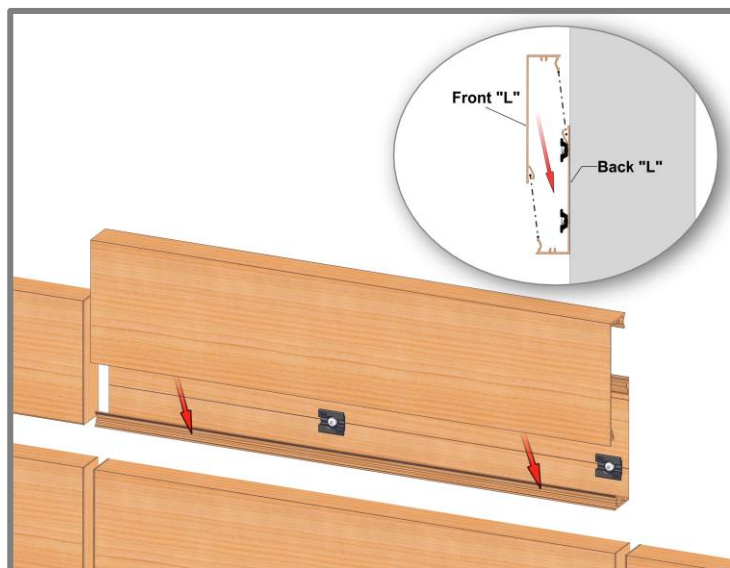
Install back "L" using #12 Fasteners (#14 for L&L HD) and Mounting Clips every 6-8' O.C. typical.

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.



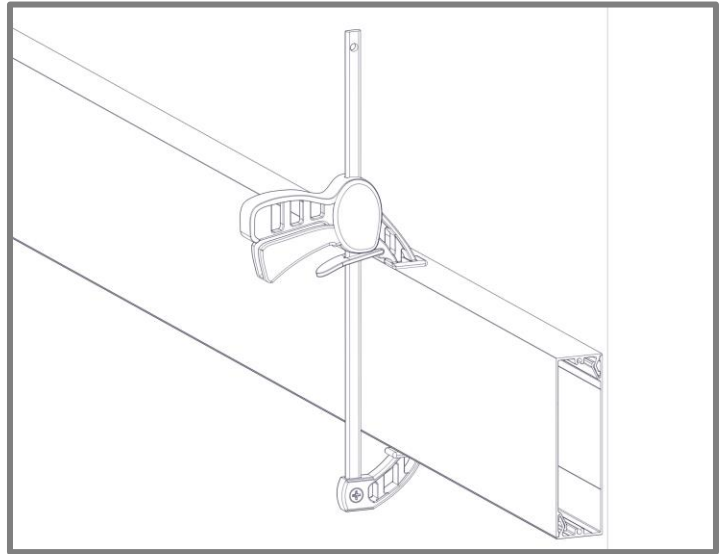
Step 3

Install front "L" and snap it into place, aligning it with ends and joints. If necessary, use a rubber mallet or hammer and block to protect the finish.



Step 3.1

Use clamps with rubber pads as common practice to securely snap the front "L" onto the back "L".

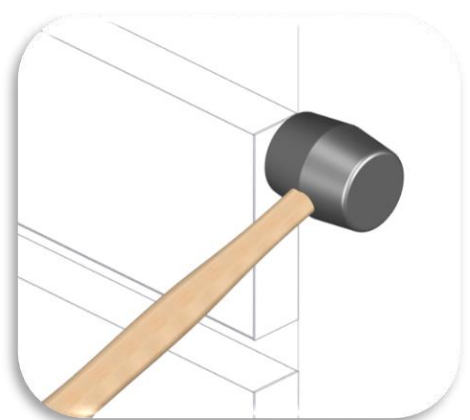
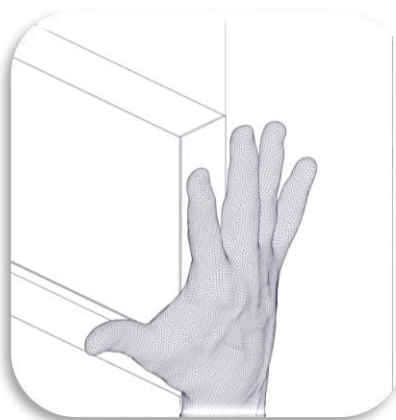
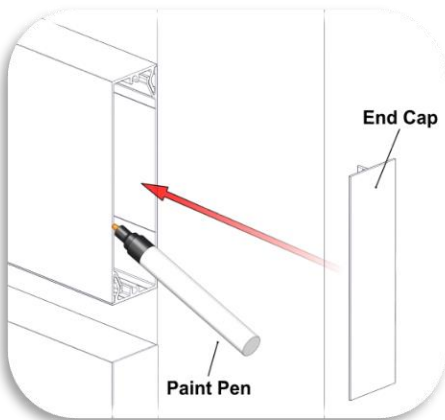
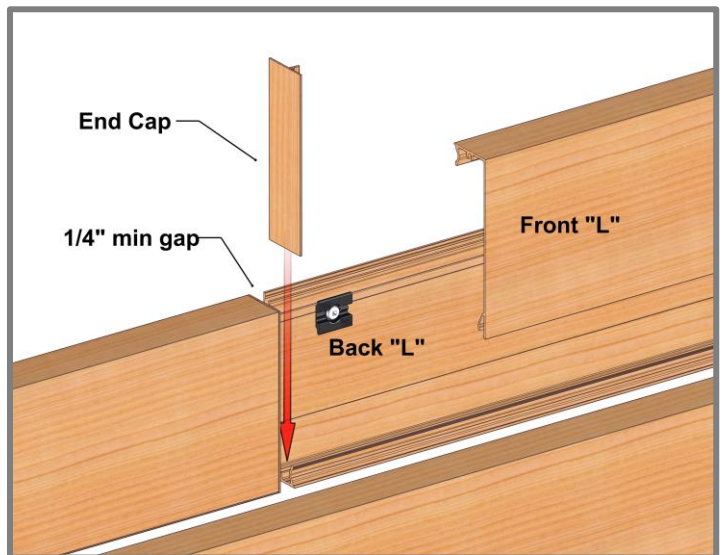


Step 4

Install End Caps, which are friction fit, by pressing them into place using the palm of your hand. If necessary, use a rubber mallet to snap them into place. See below images. Use paint pens to coat Link & Lock cut ends that may show slightly beyond the End Caps.

Consider your application sequence of the End Caps before installing adjacent Link & Lock members, as they may limit the space needed to insert the caps. In this situation you may need to install the caps first then the front "L" as seen in the image to the right.

▲ TIP: Use shim to hold/secure cap while snapping in the front "L".



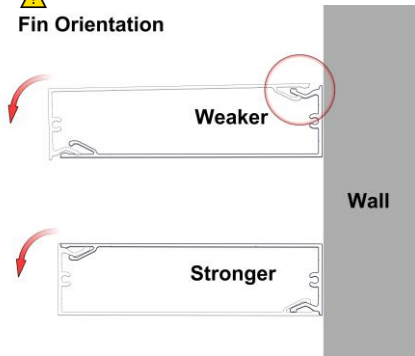
Install Fin orientation

Step 1

Place predrilled Link & Lock back "L" into position (Drilling page 11). It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best results.



Fin Orientation



Step 2

Install back "L" using #12 Fasteners (#14 for L&L HD) and Mounting Clips every 6-8' O.C. typical.

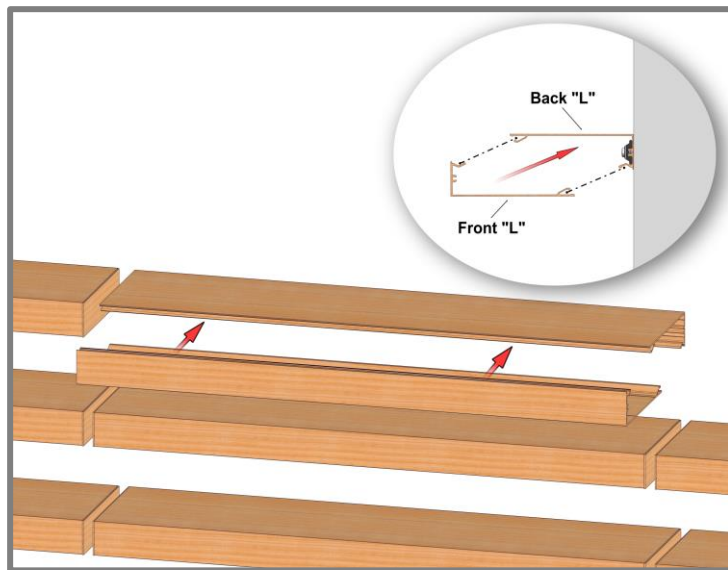
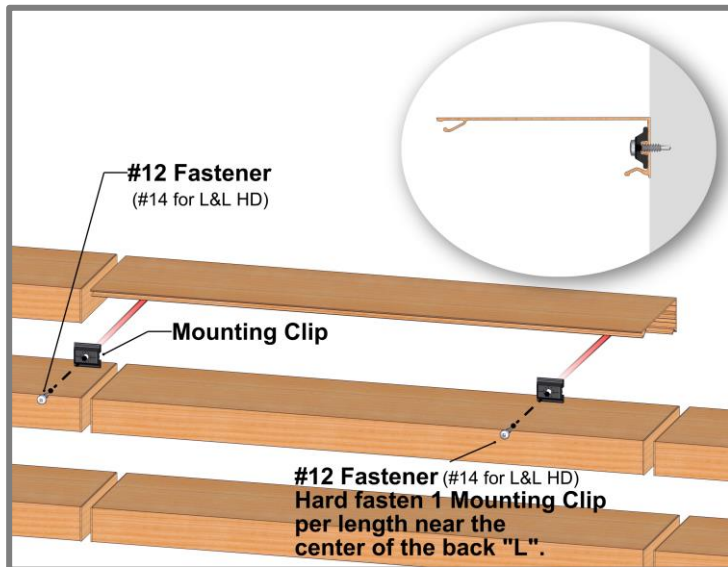
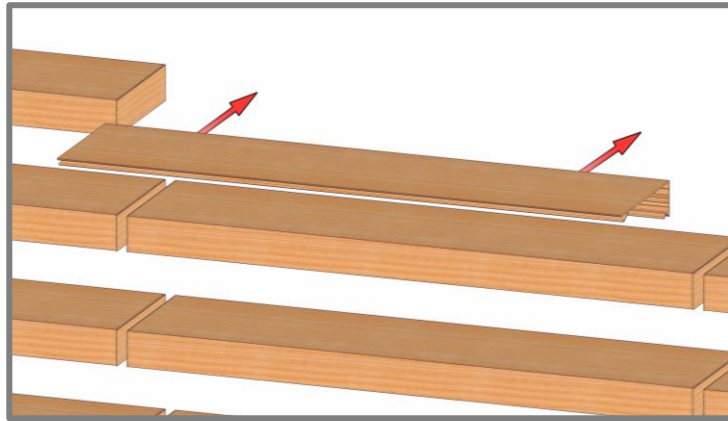
Note: Be sure to fasten in the center of the 1/2" holes to allow for movement each way. Hard fasten near the center of each length to prevent migration of the material over time.

Step 3

Install front "L" and snap it into place, aligning it with ends and joints. If necessary, use a rubber mallet or hammer and block to protect the finish.

Step 4

Refer to Page 14 for End Cap install and considerations.



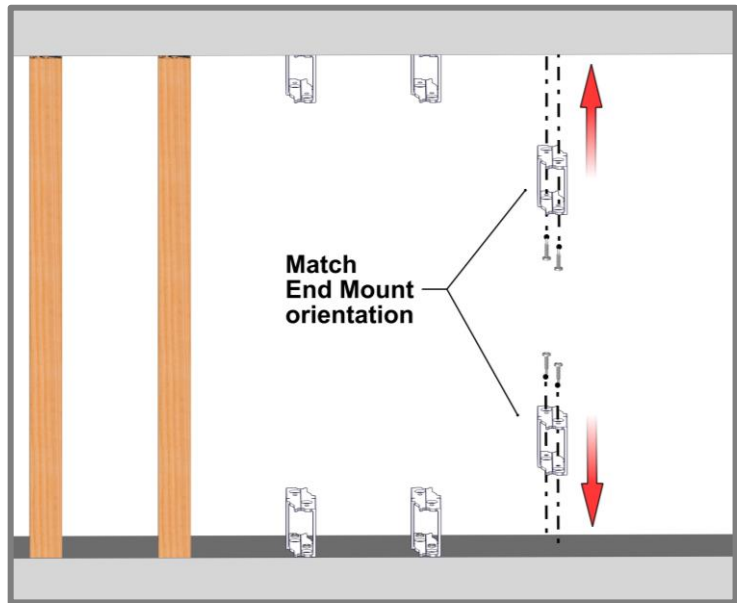
Install End to End orientation

Note: Use Tables 3-13 in Appendix for Allowable Span for Wind Loading.

Step 1

Place End Mounts into position at the top and bottom of the install. It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best results.

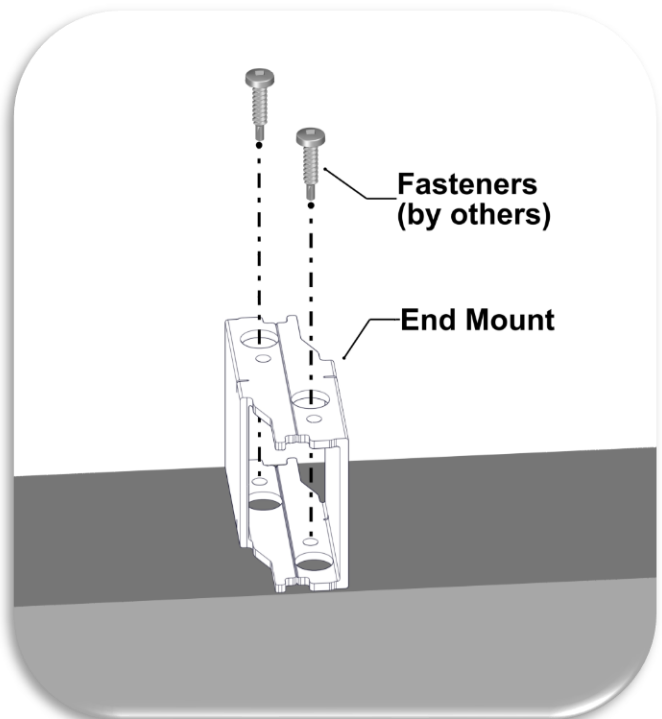
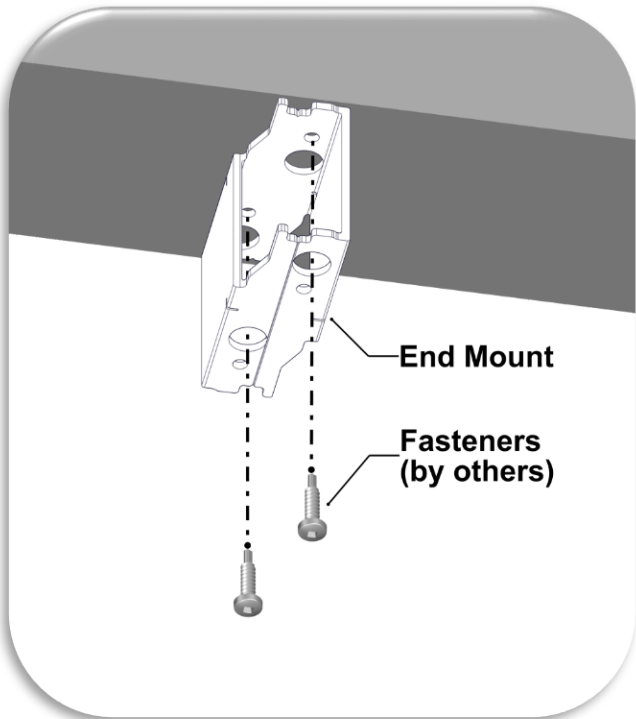
| Fastener Types for End Mounts | | |
|-------------------------------|----------|---------------------|
| End Mount | Pan Head | Hex Head |
| 2" | #10 | |
| 4" | #12 | #12 |
| 6" | #12 | #12 |
| 8" | #12 | #12 |
| 6" HD | #14 | #14 |
| 8" HD | #14 | #14 |



Step 2

Install the End Mounts using Fasteners (by others). Make sure to match the orientation of the End Mounts so the Link & Lock set matches on the top and the bottom. See above for **Fastener Types and sizing for End Mounts**.

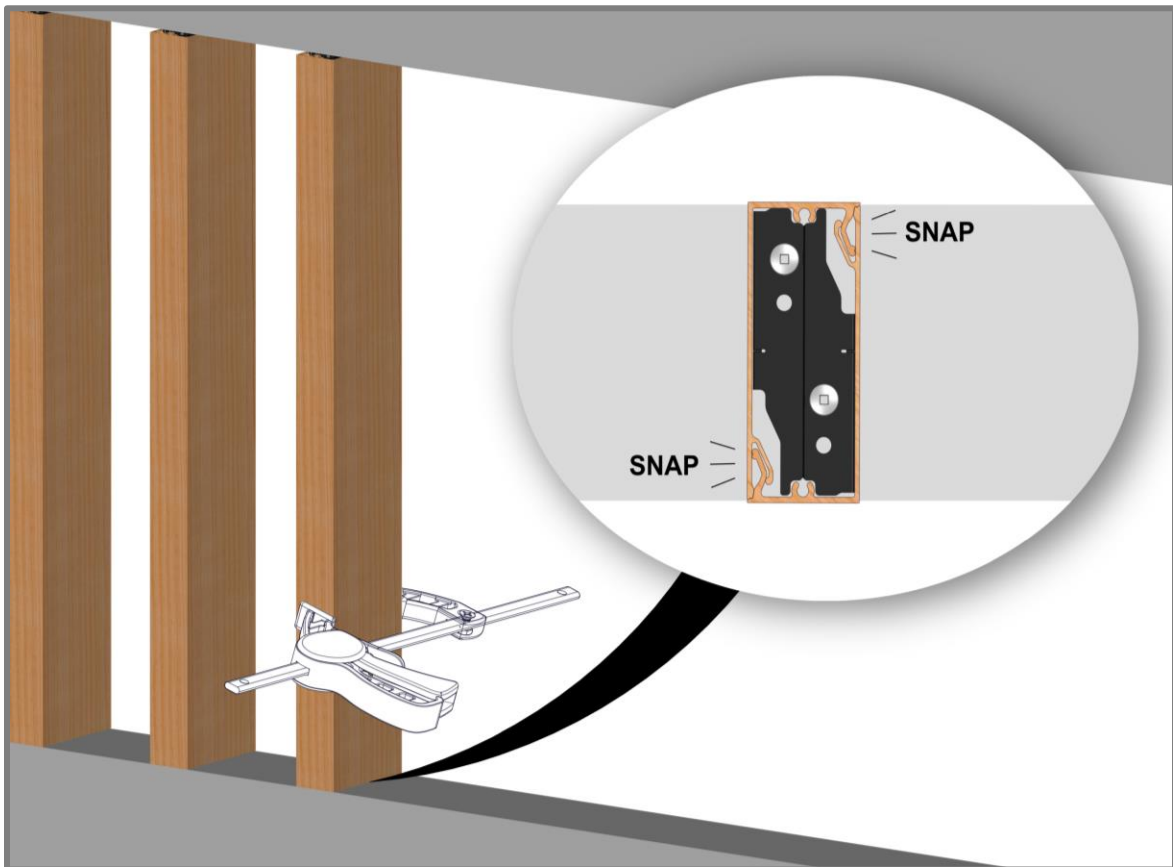
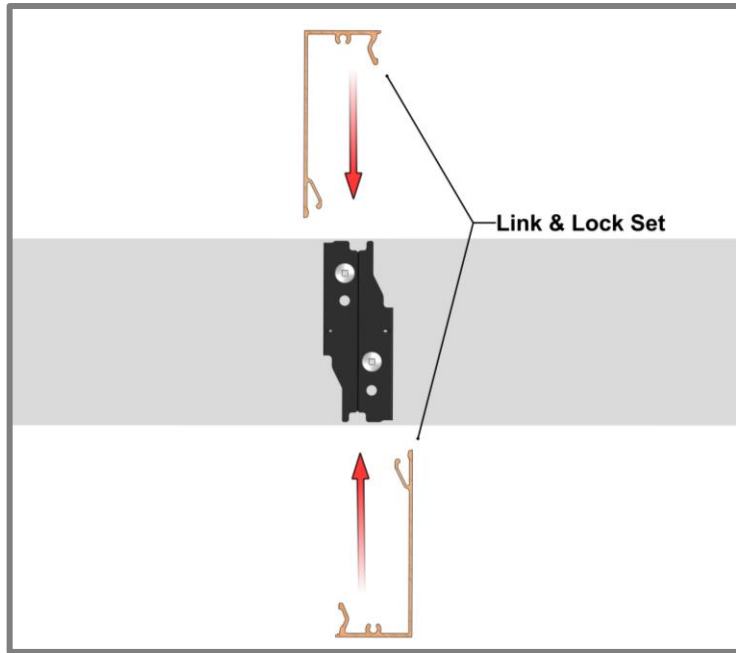
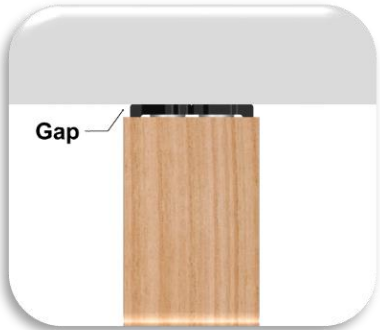
▲ TIP: Check the position of the End Mounts once installed to allow a plumb and straight look.



Step 3

Measure, cut and install Link & Lock Set and snap it into place onto the End Mounts. Use clamps with rubber pads as common practice to securely snap the front “L” onto the back “L”. If necessary, use a rubber mallet or hammer and block to protect the finish.

⚠ TIP: When measuring the Link & Lock, make sure to leave a gap (~1/4”) for expansion and building movement.



Large spans with Internal Stiffener

Requirements for large spans:

- Two Mounting Clips with #12 fasteners min, (#14 for L&L HD) are used at both ends with a minimum distance apart of 5" O.C.
- An Internal Stiffener is added to reinforce the Link & Lock set for spans up to 12' max @30psf.
- Stiffener must be one continuous member from attachment to attachment.
- Double-sided Tape is used to place the Stiffener onto the Link & Lock. The tape is placed on the center of the Stiffener and then pressed onto far end of the back "L" as shown on page 19.



See **Appendix for allowable spans for project specific wind load.**
Allowable Span - Tables 3-13

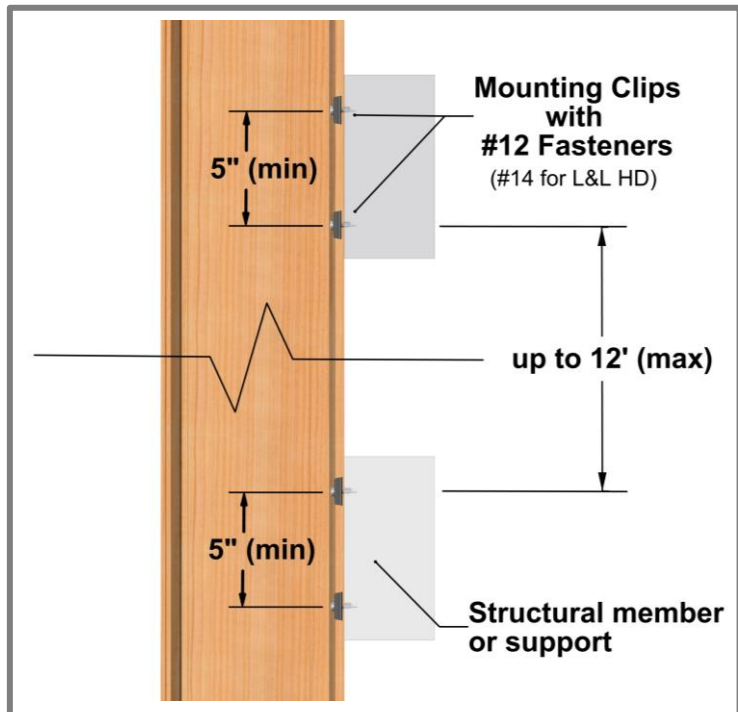
Step 1

Place predrilled Link & Lock back "L" into position (Drilling page 11). It is good practice to check your installation every 2-3 rows for level/plumb and flat/straight, for best results.

Step 2

Install back "L" using #12 Fasteners min, (#14 for L&L HD) and Mounting Clips at end attachment points with a minimum distance apart of 5" O.C.

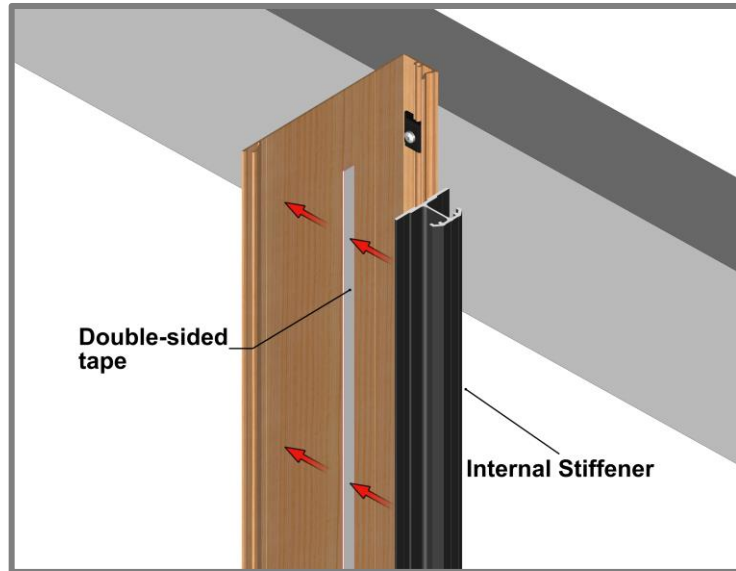
Note: Be sure to fasten in the center of the 1/2" holes to allow for movement each way. Hard fasten one end of each length to prevent migration of the material over time.



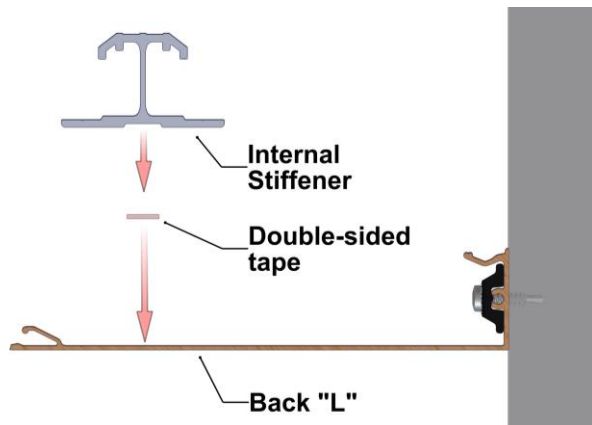
Step 3

Peel and place the Double-sided tape onto the back of the Stiffener O.C. Peel the second side and install the Stiffener as shown in the image pressing down to adhere to the tape.

Note: Install Stiffener 1" (min) from the end of the L&L to allow space for the End Cap as seen below.



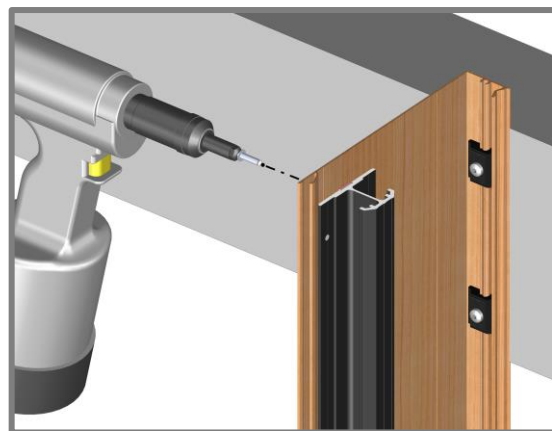
Make sure the Stiffener is located at the end of the back "L" and the tape is in the center of the stiffener.



Step 4

-Fastening Stiffener in Fin orientation

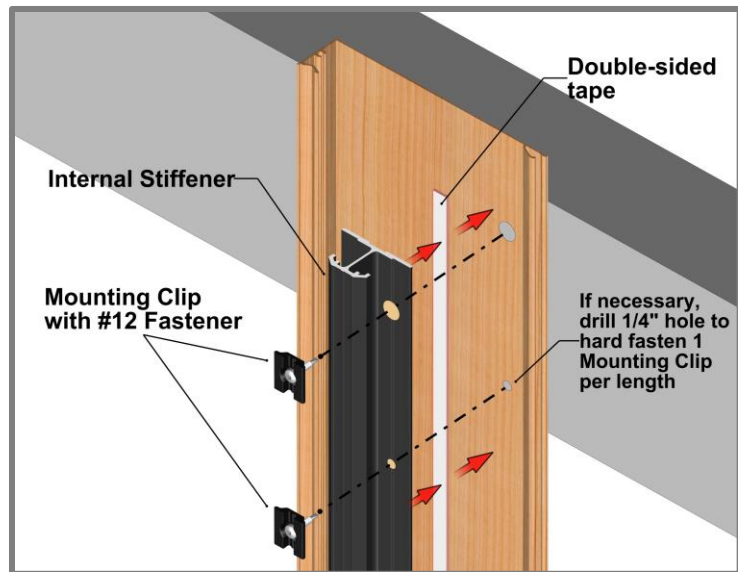
Mechanically fasten the Stiffener to the back "L" using 1/8" Dome Head Rivets (Aluminum). Drill the flange of the Stiffener using a 1/8" Drill bit and fasten two Rivets at the top or one end to mitigate movement of the stiffener over time.



Step 4.1

-Fastening Stiffener Batten orientation
Mechanically fasten the Stiffener to the back "L" using the Mounting Clips and #12 Fasteners.

Refer to Step 2, Page 13 for mounting.



Step 5

Refer to Step 3 & 4 on Page 13-14 for Front "L" and End Cap install and details.

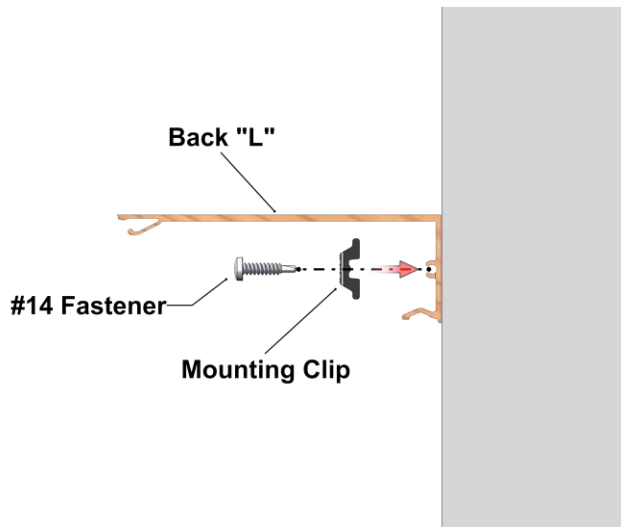


Link & Lock HD

- Used for greater spans compared to standard Link & Lock
- Available sizes: 6" & 8" (2" depth)
- Uses standard Mounting Clip and attachment methods
- Use #14 Fasteners

Refer to System Layout and Install steps section for typical install details.

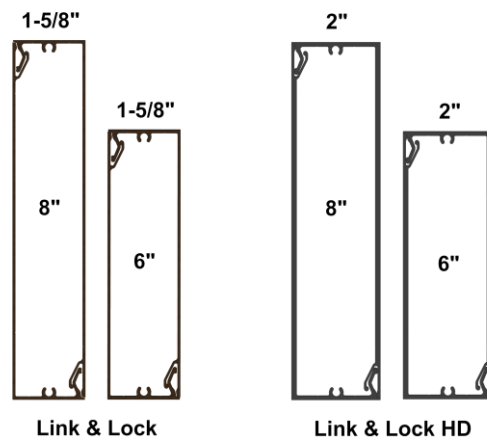
To Compare allowable spans:
See **Appendix for allowable spans for project specific wind load.**
Allowable Span - Tables 3-11



6" L&L
6' span max
@30PSF

6" L&L HD
12' span max
@30PSF

Profile Comparison

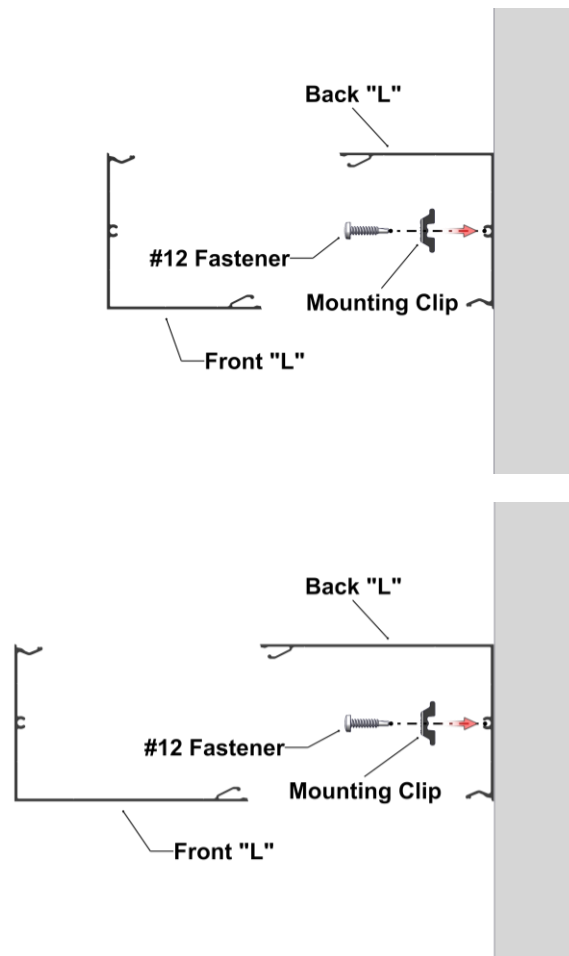


4x4 & 4x6 Link & Lock

- Available sizes: 4"x4" & 4"x6"
- Uses standard Mounting Clip and attachment methods with #12 Fasteners

Refer to System Layout and Install steps section for typical install details.

See **Appendix for allowable spans for project specific wind load.**
Allowable Span – Tables 12 & 13, Page 31

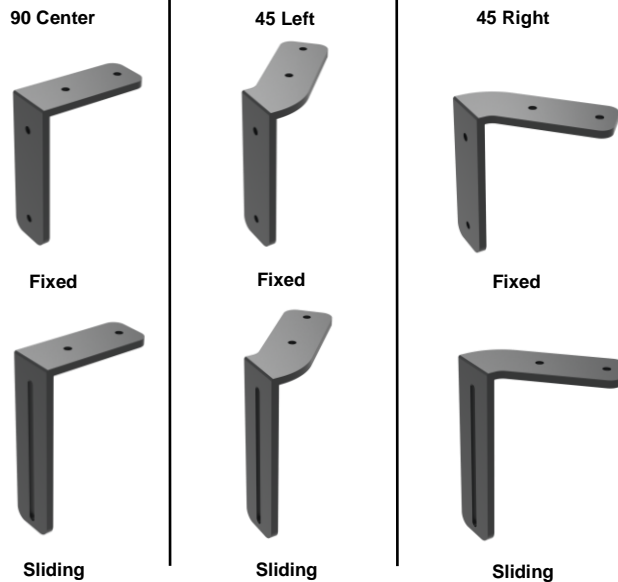


Link & Lock Brackets

- Alternate option for securing L&L cladding
- Attachment from L&L to bracket: use 1/4" Socket Head Screws, washers, locknuts & Mounting Clips included in order
- Attachment to structural element: Min #12 Fasteners (Min head diameter of 11mm) by others
- For expansion & contraction hard fasten only one fixed bracket per L&L run.
- Sliding Brackets are used for floor/slab deflection.

See Appendix for L&L Bracket Max. Spacing. Table 14, Page 32

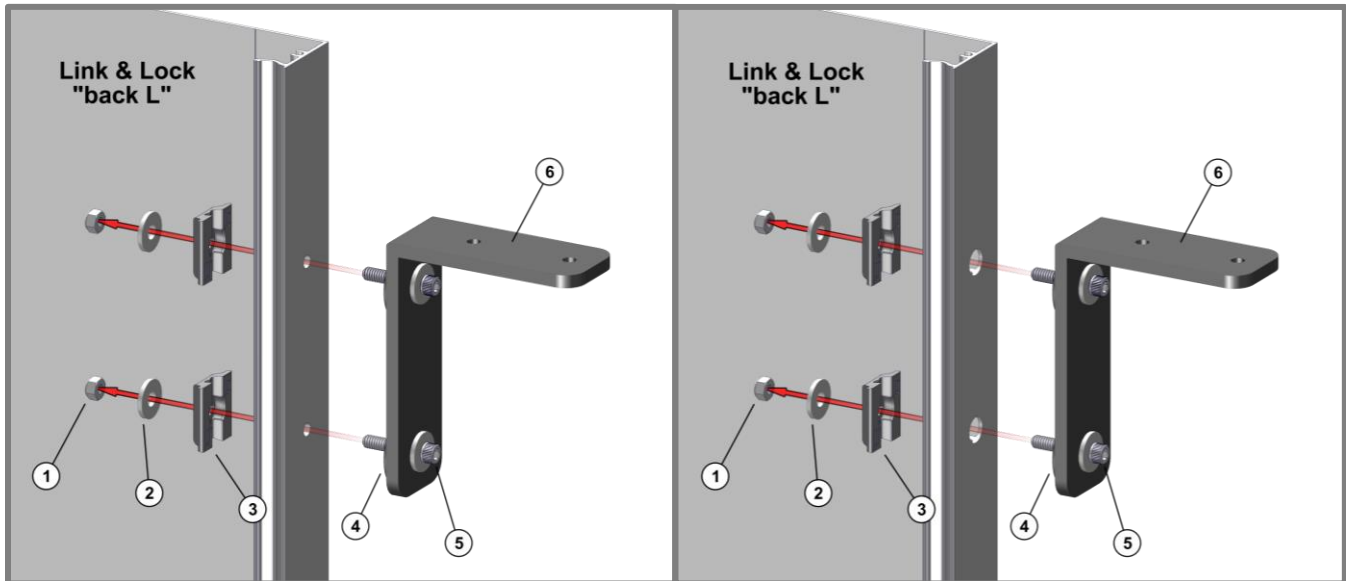
Link & Lock Bracket Options



Single Bracket for horizontal substrate

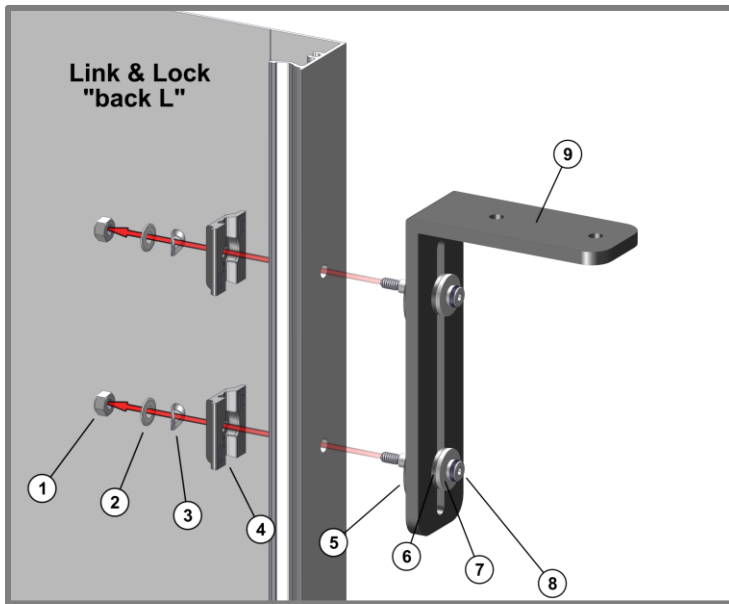
Fixed Bracket (Hard fastened with 1/4" holes)

Fixed Bracket (Expansion 1/2" holes)



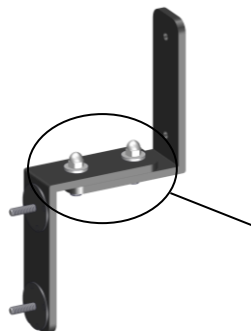
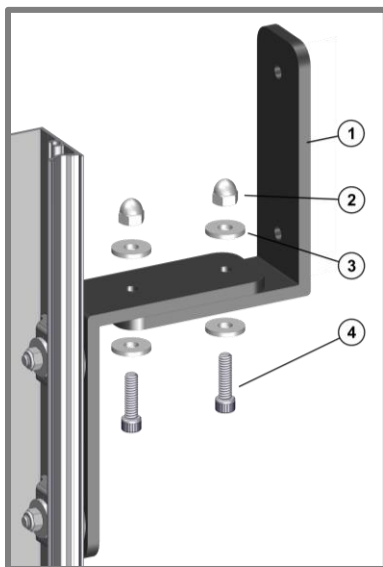
| No. | Description | Material | Qty |
|-----|---|------------------------------|-----|
| 1 | 1/4" -20 Locknut | Stainless Steel Nylon-Insert | 2 |
| 2 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 4 |
| 3 | Link & Lock Mounting Clip | Nylon w. Stainless Washer | 2 |
| 4 | Self-Retaining Washer for 1/4" size | Nylon, Black | 2 |
| 5 | 1/4" -20 Socket Head Screw, 1-1/4" length | Stainless Steel | 2 |
| 6 | Link & Lock Bracket -90 Center Fixed | 6005A Aluminum | 1 |

Sliding Bracket (Use 1/4" holes)



| No. | Description | Material | Qty |
|-----|--|------------------------------|-----|
| 1 | 10-24 Locknut | Stainless Steel Nylon-Insert | 2 |
| 2 | Washer, #10 screw size, 0.5" OD | Stainless Steel | 2 |
| 3 | Single-Wave Washer, 0.5" OD | Stainless Steel | 2 |
| 4 | Link & Lock Mounting Clip | Nylon w. Stainless Washer | 2 |
| 5 | Self-Retaining Washer for 1/4" screw size | Nylon, Black | 2 |
| 6 | Plastic Washer, 1/4" screw size, 0.734 OD | Nylon, Black | 2 |
| 7 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 2 |
| 8 | 1/4" Shoulder screw, 1" Shoulder length 10-24 Thread | Stainless Steel | 2 |
| 9 | Link & Lock Bracket -90 Center Sliding | 6005A Aluminum | 1 |

Dual Bracket for vertical substrate



Dual Bracket components are pre-assembled by manufacturer. Do not adjust or remove unless authorized by the manufacturer.

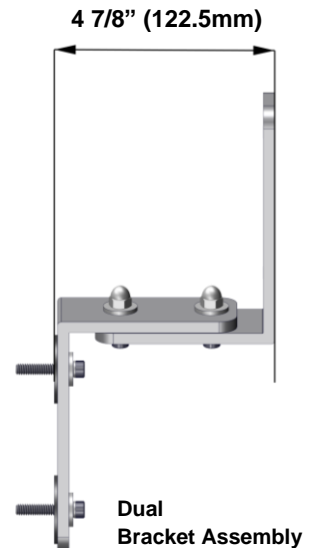
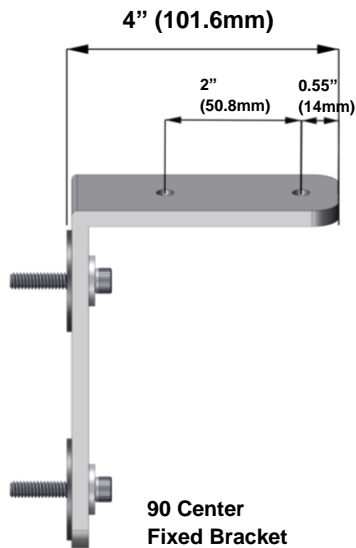
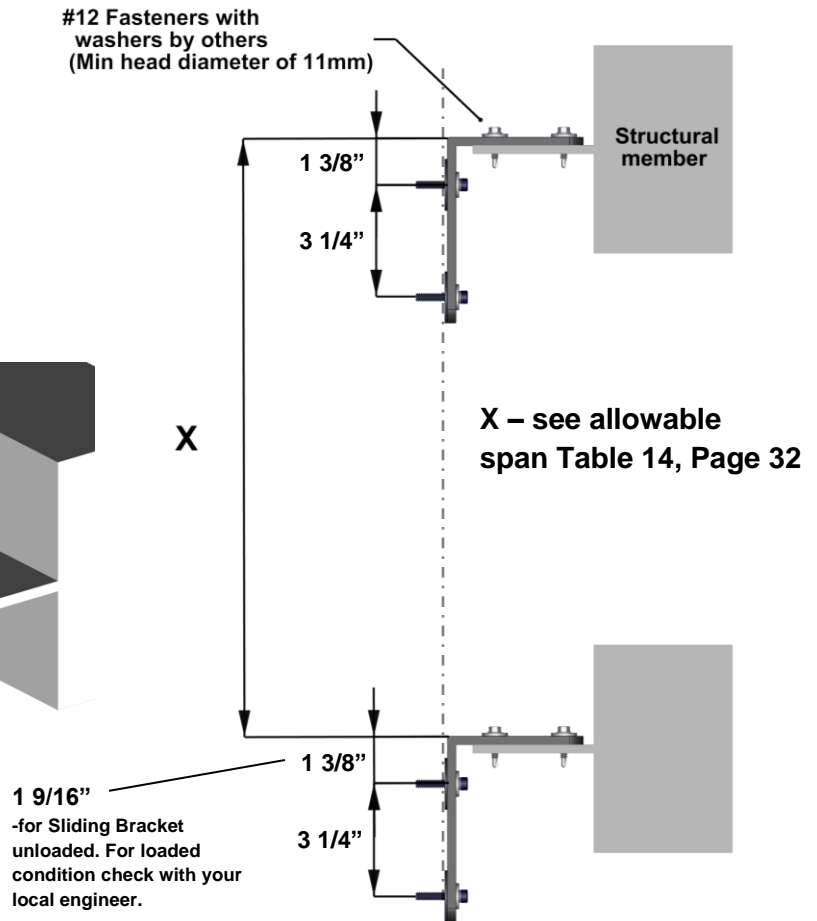
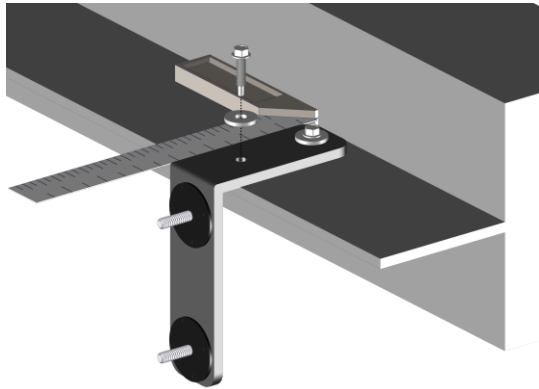
| No. | Description | Material | Qty |
|-----|---|-----------------|-----|
| 1 | Link & Lock Dual Bracket -90 Center Fixed | 6005A Aluminum | 1 |
| 2 | Distorted-Thread Cap Locknut | Stainless Steel | 2 |
| 3 | Washer, 1/4" screw size, 0.75" OD | Stainless Steel | 4 |
| 4 | 7/8" Socket Head Screw | Stainless Steel | 2 |

Install steps

Step 1

Layout & install Link & Lock Brackets. It is good practice to check for level/plumb and flat/straight, for best results.

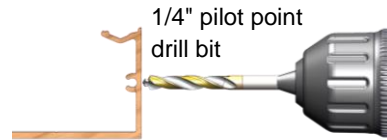
⚠ TIP: Install one run of L&L Brackets with the L&L to confirm measurements.



Step 2

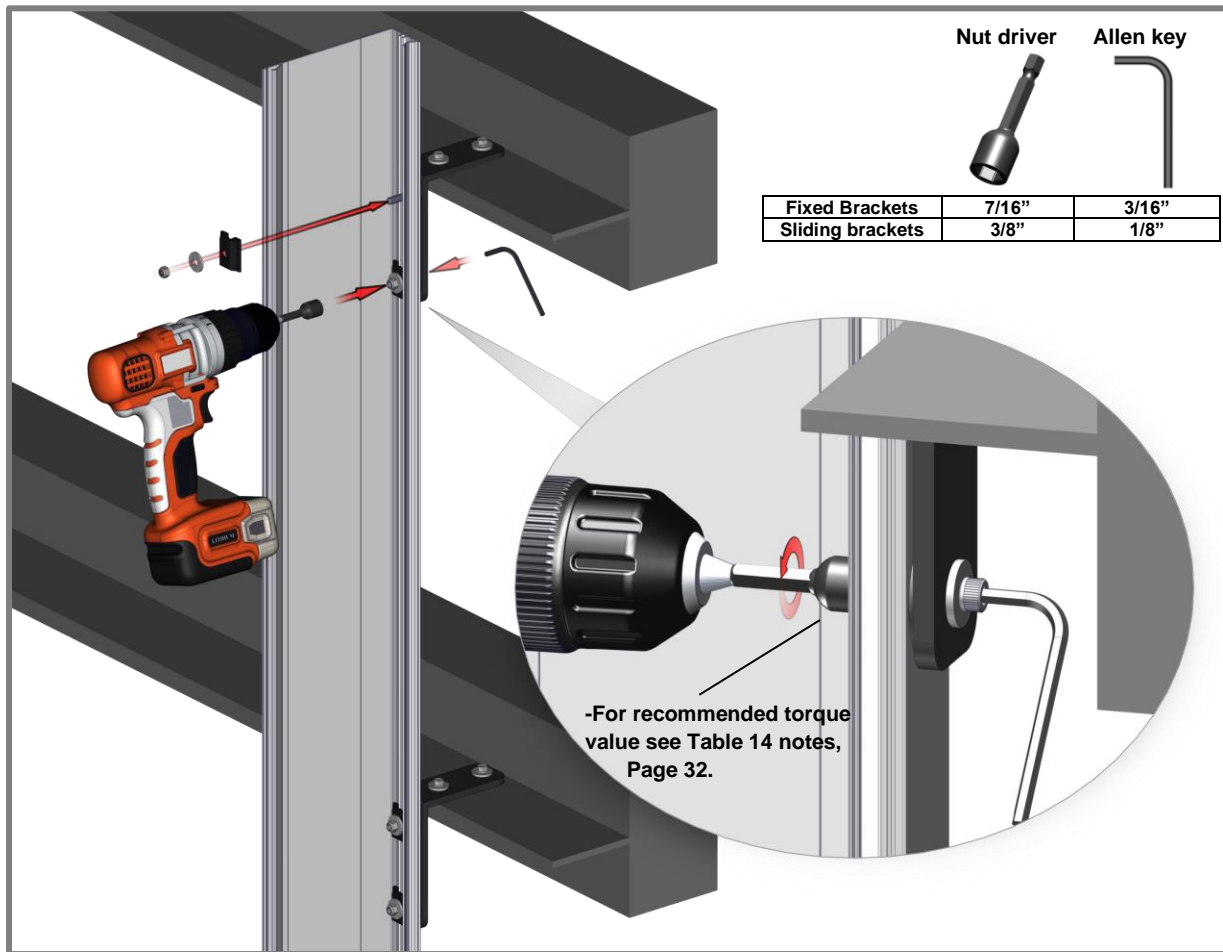
Drill out back "L" of the Link & Lock.
For dimensions review drawing details provided by Longboard if required.

- **1/4" holes**
-for hard fastening one Bracket per run
-for Sliding Brackets if used
- **1/2" holes** for expansion & contraction on the rest of the Fixed Brackets



Step 3

Install back "L" onto brackets.

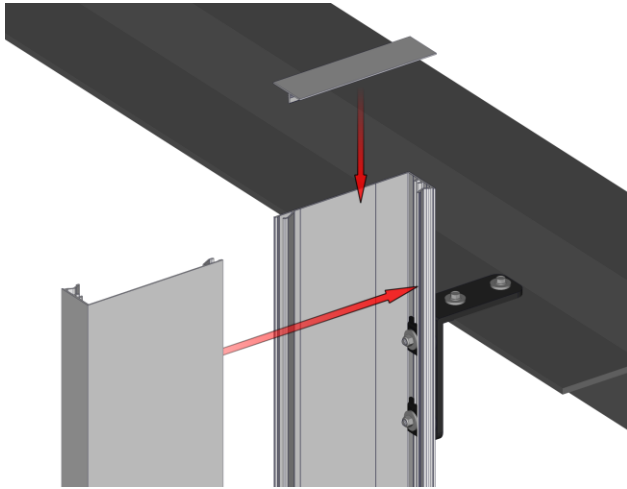


Step 3.1

Install Internal Stiffener if required. For install steps see Pages 19-20.

Step 4

Install front "L" onto back "L" and End Caps. For details See Pages 13-14, Steps 3 & 4.



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 | |
| MIN/MAX POST CONSTRUCTION TEMP. | °C | °F | EXPANSION OR CONTRACTION (INCH/FOOT) | | | | | | | | | | |
| | -50 | -58 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 | -0.016 | -0.019 | -0.022 | -0.024 | -0.027 |
| | -40 | -40 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 | -0.016 | -0.019 | -0.022 | -0.024 |
| | -30 | -22 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 | -0.016 | -0.019 | -0.022 |
| | -20 | -4 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 | -0.016 | -0.019 |
| | -10 | 14 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 | -0.016 |
| | 0 | 32 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 | -0.014 |
| | 10 | 50 | 0.016 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 | -0.011 |
| | 20 | 68 | 0.019 | 0.016 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 | -0.008 |
| | 30 | 86 | 0.022 | 0.019 | 0.016 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 | -0.005 |
| | 40 | 104 | 0.024 | 0.022 | 0.019 | 0.016 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 | -0.003 |
| | 50 | 122 | 0.027 | 0.024 | 0.022 | 0.019 | 0.016 | 0.014 | 0.011 | 0.008 | 0.005 | 0.003 | 0.000 |

TABLE 2 - METRIC

| | | 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 | |
| MIN/MAX POST CONSTRUCTION TEMP. | °C | °F | EXPANSION OR CONTRACTION (MM/METER) | | | | | | | | | | |
| | -50 | -58 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 | -1.380 | -1.610 | -1.840 | -2.070 | -2.300 |
| | -40 | -40 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 | -1.380 | -1.610 | -1.840 | -2.070 |
| | -30 | -22 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 | -1.380 | -1.610 | -1.840 |
| | -20 | -4 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 | -1.380 | -1.610 |
| | -10 | 14 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 | -1.380 |
| | 0 | 32 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 | -1.150 |
| | 10 | 50 | 1.380 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 | -0.920 |
| | 20 | 68 | 1.610 | 1.380 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 | -0.690 |
| | 30 | 86 | 1.840 | 1.610 | 1.380 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 | -0.460 |
| | 40 | 104 | 2.070 | 1.840 | 1.610 | 1.380 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 | -0.230 |
| | 50 | 122 | 2.300 | 2.070 | 1.840 | 1.610 | 1.380 | 1.150 | 0.920 | 0.690 | 0.460 | 0.230 | 0.000 |

TABLE 3

| 2" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 4' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 6' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 8' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 10' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

All testing has been performed using L/180 deflection limits

TABLE 4

| 4" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 2' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 4' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 6' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 8' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

All testing has been performed using L/180 deflection limits

TABLE 5

| 6" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 2' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 4' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 6' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

All testing has been performed using L/180 deflection limits

TABLE 6

| 8" LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | |
|---------------------|----|-------------------------|----|----|----|----|----|----|-----|-----|-----|---|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | |
| ALLOWABLE SPAN (ft) | 2' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 4' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 6' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

All testing has been performed using L/180 deflection limits

TABLE 7

| | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | | |
| ALLOWABLE SPAN (ft) | 4" LINK & LOCK W. STIFFENER | **4' | | | | | | | | | | | |
| | **6' | | | | | | | | | | | | |
| | **8' | | | | | | | | | | | | |
| | **10' | | | | | | | | | | | | |
| | **12' | | | | | | | | | | | | |

All testing has been performed using L/180 deflection limits
 **Using Longboard Link & Lock Internal Stiffener

TABLE 8

| | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | | |
| ALLOWABLE SPAN (ft) | 6" LINK & LOCK W. STIFFENER | **4' | | | | | | | | | | | |
| | **6' | | | | | | | | | | | | |
| | **8' | | | | | | | | | | | | |
| | **10' | | | | | | | | | | | | |

All testing has been performed using L/180 deflection limits
 **Using Longboard Link & Lock Internal Stiffener

TABLE 9

| | | PSF (FACTORED/ULTIMATE) | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|----|----|----|----|----|----|-----|-----|-----|--|--|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | | |
| ALLOWABLE SPAN (ft) | 8" LINK & LOCK W. STIFFENER | **2' | | | | | | | | | | | |
| | **4' | | | | | | | | | | | | |
| | **6' | | | | | | | | | | | | |
| | **8' | | | | | | | | | | | | |

All testing has been performed using L/180 deflection limits
 **Using Longboard Link & Lock Internal Stiffener

TABLE 10

| 6" LINK & LOCK HD | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 8' | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| | 10' | ✓ | ✓ | ✓ | | | | | | | |
| | 12' | ✓ | | | | | | | | | |

All testing has been performed using L/180 deflection limits

TABLE 11

| 8" LINK & LOCK HD | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 4' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 6' | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| | 8' | ✓ | ✓ | ✓ | | | | | | | |
| | 10' | ✓ | | | | | | | | | |

All testing has been performed using L/180 deflection limits

TABLE 12

| 4X4 LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 8' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 10' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| | 12' | ✓ | ✓ | ✓ | | | | | | | |

All testing has been performed using L/180 deflection limits

TABLE 13

| 4X6 LINK & LOCK | | PSF (FACTORED/ULTIMATE) | | | | | | | | | |
|---------------------|-----|-------------------------|----|----|----|----|----|----|-----|-----|-----|
| | | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| ALLOWABLE SPAN (ft) | 8' | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| | 10' | ✓ | ✓ | ✓ | ✓ | | | | | | |
| | 12' | ✓ | ✓ | | | | | | | | |

All testing has been performed using L/180 deflection limits

TABLE 14

| LONGBOARD® INSPIRING ARCHITECTURE | LINK & LOCK™ BRACKET MAX. SPACING (FT) | | | | | | | | | |
|---|--|-----|----|----|----|----|----|-----|-----|-----|
| | WIND LOAD PSF (FACTORED/ULTIMATE) | | | | | | | | | |
| LINK & LOCK™ BATTEN | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| 1-5/8" x 2" | 10' | 8' | | | | 6' | | | | 4' |
| 1-5/8" x 4" | 8' | 6' | | 4' | | | | 2' | | |
| 1-5/8" x 4" w. Internal Stiffener | 12' | 10' | 8' | | 6' | | | 4' | | |
| 1-5/8" x 6" | | 6' | | | 4' | | | | 3' | 2' |
| 1-5/8" x 6" w. Internal Stiffener | 10' | 8' | 6' | | 4' | | | | 3' | |
| 1-5/8" x 8" | 6' | 4' | | | | | 2' | | | |
| 1-5/8" x 8" w. Internal Stiffener | 8' | 6' | | 4' | | | 3' | | | 2' |
| 2" x 6" HD | 10 | 8' | 6' | | 4' | | | | 3' | |
| 2" x 8" HD | 8' | 6' | | 4' | | | 3' | | | 2' |

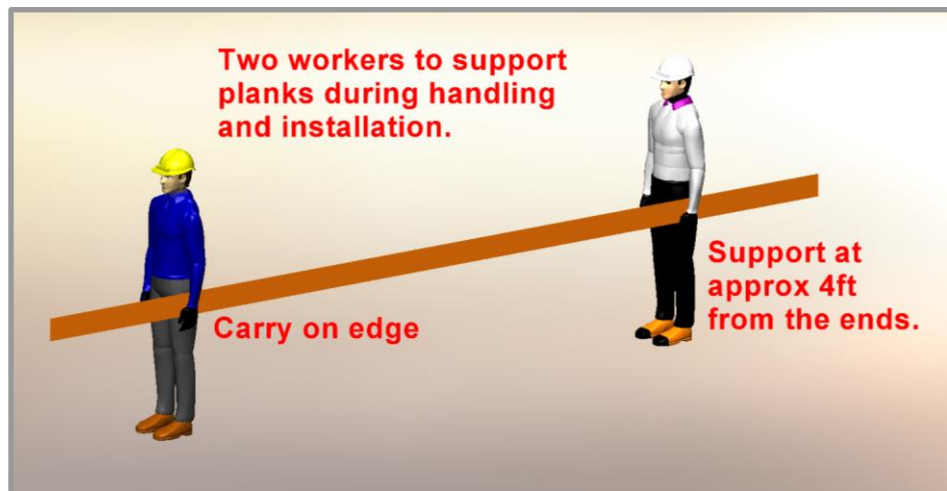
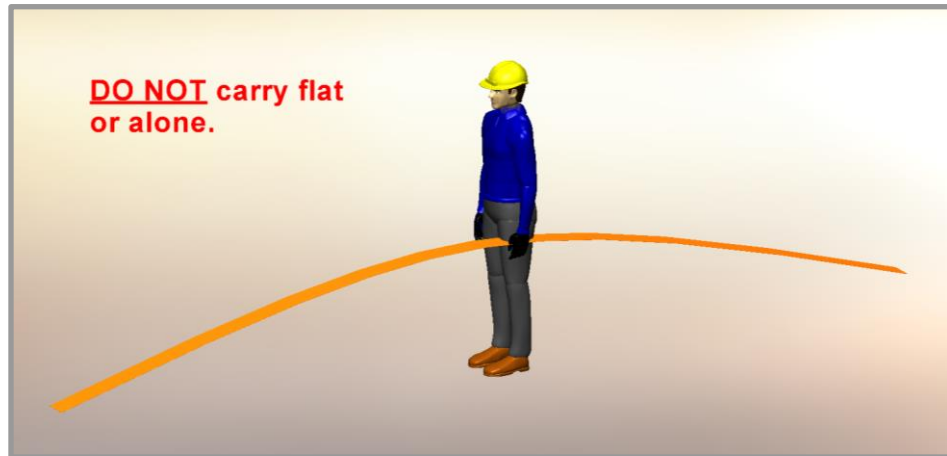
Recommended torque value for Link & Lock™ to Bracket attachment:

note 1 Factored Wind Load: max. 168 LBS/EA Bracket
 note 2 Factored Dead Load: max. 29 LBS/EA Fixed Bracket
 note 3 Fixed Bracket 1/4" -20 Socket Head Screw, 60 in/lbs + prevailing torque of self-locking nut
 note 4 Sliding Bracket 1/4" Shoulder Socket Head Screw (#10-24 thread), 20 in/lbs + prevailing torque of self-locking nut

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.



⚠️ Delivery, Storage & Handling ⚠️

- 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. 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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Longboard
1777 Clearbrook Road
Abbotsford, BC V2T 8X8
Canada
longboardproducts.com

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.

Tongue & Groove Systems

V-Groove Planks * 48 sq. ft. box quantities † 96 sq. ft. box quantities

| Size | 12' * | 24' † | 12' Perf * | 24' Perf † |
|------|--------|--------|------------|------------|
| 2½" | 3V.145 | - | 3VP.145 | - |
| 4" | 4V.145 | 4V.289 | - | - |
| 6" | 6V.145 | 6V.289 | 6VP.145 | 6VP.289 |

Smooth Planks

| Size | 12' * | 24' † | 12' Perf * | 24' Perf † |
|------|----------|----------|------------|------------|
| 6" | 6PSP.145 | 6PSP.289 | 6PSPP.145 | 6PSPP.289 |

Channel Planks

| Size | 12' * | 24' † | 12' Perf * | 24' Perf † |
|------|---------|---------|------------|------------|
| 6" | 6CH.145 | 6CH.289 | - | - |

Bevel Planks

| Size | 12' * | 24' † | 12' Perf * | 24' Perf † |
|-----------|---------|---------|------------|------------|
| 6" Single | 6SB.145 | 6SB.289 | - | - |
| 6" Triple | 6TB.145 | 6TB.289 | - | - |

Castellation Planks

| Size | 12' * | 24' † | 12' Perf * | 24' Perf † |
|------|---------|---------|------------|------------|
| 4" | 4CA.145 | 4CA.289 | - | - |
| 8" | 8CA.145 | 8CA.289 | - | - |

Trim Components

| Type | Style | Product | Dimensions | SKU |
|--------------------|-------------|--|----------------|------------|
| Starter | Precision | Starter J-Track | (5/8") - 12' | 1SJT.145 |
| Starter | Traditional | Starter Strip | (1-7/8") - 12' | 2SS.145 |
| Starter | Traditional | Back-to-Back Starter Strip | (1-1/4") | 2BTBS.145 |
| J-Track | Precision | Two Piece J-Track | (5/8") - 12' | 1X1JT.145 |
| J-Track | Precision | J-Track | (5/8") - 12' | 1JT.145 |
| J-Track | Craftsman | J-Track | (7/8") - 12' | 1JT23.145 |
| J-Track | Craftsman | Two Piece J-Track | (7/8") - 12' | JT23S.145 |
| J-Track | Traditional | Two Piece J-Track | (1-3/8") - 12' | 1X2JT.145 |
| Corner | Precision | Outside Corner | (3/16") - 12' | 05OC.145 |
| Corner | Craftsman | Inside Corner | (3/4") - 12' | 1IC.145 |
| Corner | Craftsman | Outside Corner | (1") - 12' | 1OC.145 |
| Corner | Traditional | Corner Set | (2") - 12' | 2CORS.145 |
| Corner | Traditional | 3" Smooth | (3") - 24' | 3SCP.289 |
| Corner | Traditional | 3" V-Groove | (3") - 24' | 3SVP.289 |
| Reveal | Precision | Flat Reveal | (1/2") - 12' | 1FR.145 |
| Reveal | Precision | T&G Flat Reveal | (1/2") - 24' | 1TGFR.289 |
| Reveal | Craftsman | U-Reveal Set | (3/4") - 12' | 1URS.145 |
| Reveal | Craftsman | T&G U-Reveal | (3/4) - 24' | 1TGURK.289 |
| Reveal | Traditional | U-Reveal Set | (1-1/2") - 12' | 2URS.145 |
| Reveal | Traditional | Flat Reveal Set | (1-1/2") - 12' | 2FRS.145 |
| Reveal | Traditional | T&G U-Reveal | (1 1/2") - 24' | 2TGURK.289 |
| Reveal | Traditional | Offset Flat Reveal Set, J-Track Base | (2") - 12' | 2OFFJ.145 |
| Reveal | Traditional | Offset Flat Reveal Set, Termination Base | (2") - 12' | 2OFFT.145 |
| Termination | Precision | Termination Set | (5/8") - 12' | 1TS.145 |
| Termination | Craftsman | Termination Set | (7/8") - 12' | TS23S.145 |
| Termination | Traditional | Termination Set | (1-3/8") - 12' | 2TS.145 |
| Compression Joints | Traditional | Compression Joint | (1-3/8") - 24' | 2CJ.289 |



V-Groove Planks



Smooth Planks



Channel Planks



Perforated Planks



Bevel Planks



Castellation Planks

Accessories

| Product | Qty | SKU |
|--------------------|-----------|------------|
| Quick Screen Clips | 1750, box | CLIP.N1750 |
| Quick Screen Clips | 100, bag | CLIP.N100 |
| Touch Up Pens | N/A | TUP |

Reach out to confirm color with account manager.



Precision Starter J-Track



Traditional Starter Strip



Traditional Back-to-Back Starter Strip



Precision Two-Piece J-Track



Precision J-Track



Craftsman J-Track



Craftsman Two Piece J-Track



Traditional Two Piece J-Track



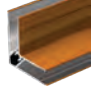
Precision Outside Corner



Craftsman Inside Corner



Craftsman Outside Corner



Traditional Corner Set



Traditional 3" Smooth Corner



Traditional 3" V Groove Corner



Precision Flat Reveal



Precision T&G Flat Reveal



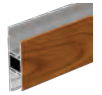
Craftsman U-Reveal Set



Craftsman T&G U-Reveal



Traditional U-Reveal Set



Traditional Flat Reveal Set



Traditional T&G U-Reveal



Traditional Offset Flat Reveal Set, J-Track Base



Traditional Offset Flat Reveal Set, Termination Base



Precision Termination Set



Craftsman Termination Set



Traditional Termination Set



Traditional Compression Joint

Link & Lock™ Battens

| Size | 12' | 24' | End Caps (20/box) | End Mounts (20/box) |
|------|-----------|-----------|----------------------|------------------------|
| 2" | 2X2LL.145 | 2X2LL.289 | 2LLEC.2 | 2LLEM.2 |
| 4" | 2X4LL.145 | 2X4LL.289 | 2LLEC.4 | 2LLEM.4 |
| 6" | 2X6LL.145 | 2X6LL.289 | 2LLEC.6 | 2LLEM.6 |
| 8" | 2X8LL.145 | 2X8LL.289 | 2LLEC.8 | 2LLEM.8 |

Link & Lock™ HD Battens

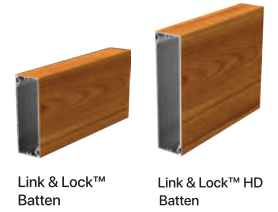
| | | | | |
|----|-------------|-------------|-----------|-----------|
| 6" | 2X6LLHD.145 | 2X6LLHD.289 | 2LLHDEC.6 | 2LLHDEM.6 |
| 8" | 2X8LLHD.145 | 2X8LLHD.289 | 2LLHDEC.8 | 2LLHDEM.8 |

Link & Lock™ Box Battens

| | | | | |
|--------|-----------|-----------|---------|---|
| 4 x 4" | 4X4LL.145 | 4X4LL.289 | 4LLEC.4 | - |
| 4 x 6" | 4X6LL.145 | 4X6LL.289 | 4LLEC.6 | - |



| Mounting Accessories | Qty | SKU |
|---------------------------------------|---------|-------------|
| Link & Lock Mounting Clip | 48, bag | LLMC.N48 |
| Dewalt® 1/2" Pilot Point Drill Bit | 1 | DRILLBT.05 |
| 24' Link & Lock Internal Stiffener | 1 | LLSTIFF.289 |
| 3M® Double Sided Adhesive Tape - 108' | 1, roll | LLTAPE.1296 |



Link & Lock™ Mounting Brackets

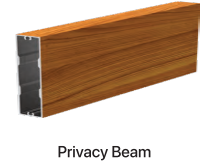
| Product | Single | Dual |
|--------------------|------------|------------|
| 45° LEFT FIXED | LLMBK.45LF | LLMDK.45LF |
| 45° RIGHT FIXED | LLMBK.45RF | LLMDK.45RF |
| 90° CENTER FIXED | LLMBK.90F | LLMDK.90F |
| 45° LEFT SLIDING | LLMBK.45LS | LLMDK.45LS |
| 45° RIGHT SLIDING | LLMBK.45RS | LLMDK.45RS |
| 90° CENTER SLIDING | LLMBK.90S | LLMDK.90S |



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 |

| 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 |



Finishes

Woodgrains

| Woodgrain | 15 Year Finish Warranty | 20 Year Finish Warranty | Woodgrain | 15 Year Finish Warranty | 20 Year Finish Warranty |
|-----------------------|-------------------------------|-------------------------------|----------------------|-------------------------------|-------------------------------|
| Beechwood | 15BEE | - | Light Oak | 15LOK | - |
| Black Oak | 15BKO | - | Light Olive | 15LOL | - |
| Birchwood | 15BWD | - | National Mahogany | 15NMH | 20NMH |
| Blonde Oak | 15BOK | - | Southern Yellow Pine | 15SYP | - |
| Burnt Cherry | 15BCY | - | Table Walnut | 15TWL | 20LFR |
| Dark Acacia | 15DAC | 20DAC | Western Cedar | 15WCD | - |
| Dark Antique Oak | 15DAO | - | White Oak | 15WOK | - |
| Dark Bamboo | 15DBB | 20DBB | | | |
| Dark Cherry | 15DCY | 20DCY | | | |
| Dark Fir | 15DFR | 20DFR | | | |
| Dark Knotty Pine | 15DKP | 20DKP | | | |
| Dark National Walnut | 15DNW | 20DNW | | | |
| Dark Olive | 15DOL | - | | | |
| Dark Walnut | 15DWL | - | | | |
| Driftwood | 15DWO | - | | | |
| Eirey Douglas | 15GDF | - | | | |
| Grey Hemlock | 15GHL | - | | | |
| Italian Rosewood | 15IRW | 20IRW | | | |
| Light Bamboo | 15LBB | 20LBB | | | |
| Light Cherry | 15LCY | - | | | |
| Light Fir | 15LFR | 20LFR | | | |
| Light National Walnut | 15LNW | - | | | |

Solid & Specialty

| Solid & Specialty | 15 Year Finish Warranty | 20 Year Finish Warranty |
|-------------------|-------------------------------|-------------------------------|
| Anodic Ice | 15AIC | 20AIC |
| Biscotti | 15BIS | 20BIS |
| Black | 15BLA | 20BLA |
| Bone White | 15BWH | 20BWH |
| Brick Red | 15BRD | 20BRD |
| Burnt Sienna | 15BSN | 20BSN |
| Canyon Vista | 15CVI | 20CVI |
| Ceramic Clay | 15CCL | 20CCL |
| Charcoal | 15CHA | 20CHA |
| Chili Pepper | 15CHP | 20CHP |
| Classic Bronze | 15CBZ | 20CBZ |
| Copper Penny | 15CPE | 20CPE |
| Dark Brown | 15DBR | 20DBR |
| Graphite | 15GRA | 20GRA |
| Medium Blue | 15MBL | 20MBL |
| Moonstone | 15MOO | 20MOO |
| Old Navy | 15ONA | 20ONA |
| Onyx Black | 15OBL | 20OBL |
| Platinum Ice | 15PIC | 20PIC |
| Slate Grey | 15SGR | 20SGR |
| Ultra White | 15UWH | 20UWH |
| Venus | 15VEN | 20VEN |

Naturally Aged Metals

| Naturally Aged Metals | 15 Year Finish Warranty | 20 Year Finish Warranty |
|-----------------------|-------------------------------|-------------------------------|
| Carbon Mist | 15CMI | - |
| Molten | 15MOL | - |
| Smokey Topaz | 15STO | - |
| Toasted Mocha | 15TMO | - |

Example of complete product SKU

6V.289.15DFR
(Product.Length.Finish)

Finish Options

Achieve your vision.

Whether creating a space that offers the warmth and appearance of Woodgrains, or the modern industrialized look of Naturally Aged Metals, we have a finish option for you.

Require a custom finish or color? Our experienced color-matching team can make it a reality!

Contact us to confirm lead times for orders greater than 15k sq.ft in the Most Popular Finishes category.

Woodgrains

Longboard's woodgrain finishes have a slight texture with matte sheen.



Solid & Specialty



15 Year Non-Prorated Powder Coating Finish - 50 Year Non-Prorated Extruded Aluminum Profiles [Limited Warranty]

Warranty granted to (building owner):

Product codes: Product description:

Install contractor

Project name

Project address

Address 2

Install start date

Longboard Architectural Products Inc. ("Longboard," "The Company") products as identified by the Product Codes listed will conform to the standards set out in Clause 1 and Clause 2 of this Warranty, subject to the terms and conditions set out in Clause 3 and 4 of this Warranty.

Finish:

Date of completion

Clause 1

Extruded Aluminum Profile(s) with Powder Coat Finish Longboard expressly warrants that its product line is free from manufacturing defects in material or workmanship.

- 1.1 When product is applied according to Longboard instructions and properly maintained, such product is guaranteed against the following:
- 1.2 Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the Longboard system is attached. For the purpose of this warranty, buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot.
- 1.3 Corrosion: When installed in normal atmospheric conditions according to Longboard instructions and properly maintained, such product is further guaranteed against rusting and corroding. Subject to the limitations set out in Clause 3 and 4.
- 1.4 What we will do: If, during the fifteen (15) year Limited Warranty Period on the powder coating finish, the Product is defective in material or workmanship, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.5 What we will do: If, during the fifty (50) year Limited Warranty Period on the extruded aluminum profiles, the Product is defective in material or workmanship, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.6 After the 15th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.7 After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.8 Longboard replacement of the defective Product or reimbursement of this Limited Warranty is the exclusive remedy for the Covered Person for any defect in materials or workmanship. The Company will pay for all reasonable costs including material and labor as it relates to the repair and / or replacement of the defective Product.

Clause 2

Product Finish - AAMA 2604 Performance Specification

- 2.1 During the first fifteen (15) years of this warranty:
- 2.2 Checking/Cracking: No visible checking or cracking of the product finish on the building.
- 2.3 Chalking Resistance: No chalking of the product finish on the building in excess of that represented by No.8 rating based on ASTM D4214.
- 2.4 Color Retention: No color change of the product finish on the building greater than 5 (five) CIE Lab ΔE units calculated in accordance with ASTM 2244 Section 6.3. Color change shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.5 Gloss Retention: Coated surface will exhibit gloss retention of a minimum of 30% of the original. Gloss retention shall

be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.

- 2.6 Adhesion: Adhesion of product finish when initially applied to test panels and measured by reference to AAMA 2604-02 Clause 7.4.2 will show no removal of the film.

Clause 3

- 3.1 Warranty Terms and Conditions:
- 3.2 The "Warranty Period" for the warranties in Clause 1 shall mean the respective number of years or for as long as the Covered Person commencing on the date of substantial completion named above shall live and own the property on which the material was originally installed.
- 3.3 Registration of the product is required within ninety (90) days from substantial completion for the warranty to be in effect. This warranty is valid for the original owner and one other subsequent owner of the structure where the product(s) have been installed.
- 3.4 Normal atmospheric conditions exclude corrosive or aggressive atmospheres such as those contaminated with chemical fumes or other corrosive elements. The product finish is not meant for marine use on boats, ships or offshore platforms.
- 3.5 The product finish warranties as outlined in Clause 2 shall include coverage of the finish as it relates to the impact affects from hail and woodpecker birds.
- 3.6 Under no circumstance shall Longboard's liability under this limited warranty exceed 2.5 times the total corresponding Longboard material cost (excluding sales tax, labor and installation related costs) as noted on the original purchase invoice and paid by the Buyer for the specific project.

Clause 4

- 4.1 This warranty will not extend or cover:
- 4.2 Damages to the coated metal caused by handling, shipping, processing and/or installation; or
- 4.3 Damages to the coated metal caused by scratching or abrading after installation; or
- 4.4 Damages to the coated metal as a result of standing water in horizontal installations.
- 4.5 The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond The Company's control.
- 4.6 Customer shall make available to The Company the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the cleaning requirements as stated in the Required Maintenance section of this warranty. Customers shall demonstrate that the failure of the coated metal was due to a breach of the warranty stated herein.
- 4.7 Claims must be made in writing to Longboard within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work.

The claimant must provide proof of coverage. Claims can be made by writing to Longboard at the Product Performance Department. After receiving such notice, The Company must be given a reasonable opportunity to inspect and verify the claim.

- 4.8 Longboard exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at The Company's sole discretion, the defective powder coated product. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by Longboard. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.
- 4.9 This warranty represents the entire agreement between parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of Longboard with respect to the products covered by them. The Company shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Longboard except as expressly set forth above, and any such statement shall not be binding on The Company. Except as expressly set forth above, Longboard makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of the limited warranty, or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from area to area.
- 4.10 Nothing in this warranty shall be construed as a warranty of the workmanship of any installer or as imposing on Longboard any liability for unsatisfactory performance caused by faulty workmanship in installation.
- 4.11 It's agreed all parties involved that all claims and disputes relating to this agreement that cannot be settled through negotiation will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.
- 4.12 Required Maintenance. Depending on the Project Environment, follow the maintenance schedule as outlined in the Longboard Care & Maintenance Guide. Use a soft sponge or cloth, water and mild detergent, non-abrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grime and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and general condition of the powder coated finish.

I have read and agree to the terms of the Longboard® Product 15 year powder coated surface and 50 year aluminum extruded profile(s) warranty and acknowledge receipt of a copy of the Warranty Certificate.

Name of owner or contractor:

Date:

Signature:



Duly authorized on behalf of Longboard:

Name and designation:

Date:

Signature:

20 Year Non-Prorated Powder Coating Finish - 50 Year Non-Prorated Extruded Aluminum Profiles [Limited Warranty]

Warranty granted to (building owner):

Product codes: Product description:

Install contractor

Project name

Project address

Address 2

Install start date

Finish:

Date of completion

Longboard Architectural Products Inc. ("Longboard," "The Company") products as identified by the Product Codes listed will conform to the standards set out in Clause 1 and Clause 2 of this Warranty, subject to the terms and conditions set out in Clause 3 and 4 of this Warranty.

Clause 1

Extruded Aluminum Profile(s) with Powder Coat Finish
Longboard expressly warrants that its product line is free from manufacturing defects in material or workmanship.

- 1.1. When product is applied according to Longboard instructions and properly maintained, such product is guaranteed against the following:
- 1.2. Buckling: The product itself will be free of any buckling that is not associated with the substrate and/or structure to which the Longboard system is attached. For the purpose of this warranty, buckling shall be defined as warping of the product(s) exceeding one sixteenth of an inch out of plane per linear foot.
- 1.3. Corrosion: When installed in normal atmospheric conditions according to Longboard instructions and properly maintained, such product is further guaranteed against rusting and corroding. Subject to the limitations set out in Clause 3 and 4.
- 1.4. What we will do: If, during the twenty (20) year Limited Warranty Period on the powder coating finish, the Product is defective in material or workmanship, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.5. What we will do: If, during the fifty (50) year Limited Warranty Period on the extruded aluminum profiles, the Product is defective in material or workmanship, Longboard will, in its sole discretion, either repair or replace the defective portion of the Product.
- 1.6. After the 20th year, this Limited Warranty on the powder coated finish will expire and shall no longer be applicable.
- 1.7. After the 50th year, this Limited Warranty on the aluminum extruded profile(s) will expire and shall no longer be applicable.
- 1.8. Longboard replacement of the defective Product or reimbursement of this Limited Warranty is the exclusive remedy for the Covered Person for any defect in materials or workmanship. The Company will pay for all reasonable costs including material and labor as it relates to the repair and / or replacement of the defective Product.

Clause 2

Product Finish - AAMA 2605 Performance Specification

- 2.1. During the first twenty (20) years of this warranty:
- 2.2. Checking/Cracking: No visible checking or cracking of the product finish on the building.
- 2.3. Chalking Resistance: No chalking of the product finish on the building in excess of that represented by No.8 rating based on ASTM D4214.
- 2.4. Color Retention: No color change of the product finish on the building greater than 5 (five) CIE Lab ΔE units calculated in accordance with ASTM 2244 Section 6.3. Color change shall be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.
- 2.5. Gloss Retention: Coated surface will exhibit gloss retention of a minimum of 50% of the original. Gloss retention shall

be measured on the exposed paint surface which has been cleaned of oil, grease, chalk, oxidized film or other contaminants, corresponding values shall be measured on the control panel.

- 2.6. Adhesion: Adhesion of product finish when initially applied to test panels and measured by reference to AAMA 2605-02 Clause 7.4.2 will show no removal of the film.

Clause 3

- 3.1. Warranty Terms and Conditions:
- 3.2. The "Warranty Period" for the warranties in Clause 1 shall mean the respective number of years or for as long as the Covered Person commencing on the date of substantial completion named above shall live and own the property on which the material was originally installed.
- 3.3. Registration of the product is required within ninety (90) days from substantial completion for the warranty to be in effect. This warranty is valid for the original owner and one other subsequent owner of the structure where the product(s) have been installed.
- 3.4. Normal atmospheric conditions exclude corrosive or aggressive atmospheres such as those contaminated with chemical fumes or other corrosive elements. The product finish is not meant for marine use on boats, ships or offshore platforms.
- 3.5. The product finish warranties as outlined in Clause 2 shall include coverage of the finish as it relates to the impact affects from hail and woodpecker birds.
- 3.6. Under no circumstance shall Longboard's liability under this limited warranty exceed 2.5 times the total corresponding Longboard material cost (excluding sales tax, labor and installation related costs) as noted on the original purchase invoice and paid by the Buyer for the specific project.

Clause 4

- 4.1. This warranty will not extend or cover:
- 4.2. Damages to the coated metal caused by handling, shipping, processing and/or installation; or
- 4.3. Damages to the coated metal caused by scratching or abrading after installation; or
- 4.4. Damages to the coated metal as a result of standing water in horizontal installations.
- 4.5. The warranty will not be applicable to damage or failure, which is caused by acts of God, falling objects, external forces, explosions, fire, riots, civil commotion's, acts of war, or other such similar or dissimilar occurrences beyond The Company's control.
- 4.6. Customer shall make available to The Company the dates of the installation of the coated metal, the maintenance records including details of washing and cleaning procedures in compliance with the cleaning requirements as stated in the Required Maintenance section of this warranty. Customers shall demonstrate that the failure of the coated metal was due to a breach of the warranty stated herein.
- 4.7. Claims must be made in writing to Longboard within 30 days of the discovery of a problem and authorization obtained prior to beginning any repair and/or refinishing work.

The claimant must provide proof of coverage. Claims can be made by writing to Longboard at the Product Performance Department. After receiving such notice, The Company must be given a reasonable opportunity to inspect and verify the claim.

- 4.8. Longboard exclusive liability under this warranty, or otherwise, will be limited to refinishing and/or repairing, at The Company's sole discretion, the defective powder coated product. The warranty on any refinished, repaired or replaced coated metal supplied hereunder shall be for the remainder of the warranty period applicable to the originally coated metal. All warranty work will be performed by a company or contractor selected by Longboard. Color variance between refinished and/or repainted product and original shall not be indicative of a defect.
- 4.9. This warranty represents the entire agreement between parties in relation to its subject matter and supersedes any previous agreement whether written or oral between the parties in relation to its subject matter. The limited warranties state the entire liability of Longboard with respect to the products covered by them. The Company shall have no liability for any incidental or consequential damages. No person is authorized to make any representation or warranty on behalf of Longboard except as expressly set forth above, and any such statement shall not be binding on The Company. Except as expressly set forth above, Longboard makes no warranty of any kind, express or implied, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. Warranties shall be the duration of the limited warranty, or such shorter duration as provided under applicable local law. These limited warranties give you specific legal rights, and you may also have other rights which vary from area to area.
- 4.10. Nothing in this warranty shall be construed as a warranty of the workmanship of any installer or as imposing on Longboard any liability for unsatisfactory performance caused by faulty workmanship in installation.
- 4.11. It's agreed all parties involved that all claims and disputes relating to this agreement that cannot be settled through negotiation will try in good faith to first settle the dispute by mediation administered by the American Arbitration Association (Construction Industry Mediation Procedures) as a prelude to mandatory binding arbitration. Such binding arbitration is to be conducted and administered by the Construction Industry Arbitration Rules of the American Arbitration Association. Both seller and purchaser agree to share equally in the costs of both mediation and arbitration and that such binding arbitration will be the sole and final remedial action.
- 4.12. Required Maintenance. Depending on the Project Environment, follow the maintenance schedule as outlined in the Longboard Care & Maintenance Guide. Use a soft sponge or cloth, water and mild detergent, non-abrasive soap with the pH range of 5-9 to clean the powder coated area of dirt, grime and other debris. Pressure washing and the use of harsh detergents or chemicals is not recommended. Include in your maintenance records the following: date, time, specific products used, name of maintenance person and their designation, maintenance company name and general condition of the powder coated finish.

I have read and agree to the terms of the Longboard® Product 15 year powder coated surface and 50 year aluminum extruded profile(s) warranty and acknowledge receipt of a copy of the Warranty Certificate.

Name of owner or contractor:

Date:

Signature:



Duly authorized on behalf of Longboard:

Name and designation:

Date:

Signature: