Installation Manual

ChamClad®

CCMC 14323-R

ICCES ESR 4560

Revised: December 2nd, 2024

Supersedes July 30th, 2024.

Table of Contents

QR CODE- For Install Videos on Both Soffit and Wall.

BEFORE YOU BEGIN

1. Read the install instructions *completely*. These installation instructions illustrate the "Best Practices" to install ChamClad® cladding and trim.

   ChamClad® does not accept any liability or responsibility under their written warranty for product failure caused by improper installation.

2. To ensure you are up to date with the most recent install instructions, please visit our website https://ChamClad.com and view manual in conjunction with the technical bulletin advisory.

3. Our research and development team are committed to improving product durability and performance. As a result, specifications may change from time to time. Please check our website for updated technical information and profile drawings.

4. While this Installation Manual provides typical methods, tools, and techniques based on standard industry practices, it may not address every question or condition that could arise during installation. We encourage designers and installers to review these guidelines thoroughly and identify any site-specific conditions not covered. In such cases, please contact ChamClad® customer service at **insidesalesrep@chamclad.com**, and our team will assist in developing a mutually satisfactory solution. It is the responsibility of the design authority and installer to ensure proper layout and compliance with relevant codes.

5. Occasionally, you may come across minor irregularities that happen naturally during the manufacturing process. This occurrence will not affect the aesthetics and performance of the product.

6. Occasionally, you may encounter aluminum accessories where the ends need trimming due to the film shrinking back during the curing process. This occurrence will not affect the performance of the product.

First Steps for a Successful Installation

1. Inspect all material for any breakage, defects, damage, and colour before installing. <u>Do not install</u> product that is questionable. Contact ChamClad® customer service or your dealer for assistance. Installing defective material may void your product Warranty.

2. Before installing ChamClad® cladding it is very important that installers read and understand the installation recommendations and topics covered in this manual.

ChamClad® Transportation, Proper Handling, and Storage

When transporting ChamClad® products, keep bags flat. The boards must be supported along the full length. Whenever possible avoid using metal banding. Metal banding will cut into the boards if pulled too tight. **Materials are required to be inspected for any damage within 7 days of receipt, recorded on the Bill of Lading, and forwarded to info@ChamClad.com.** ChamClad® warranty may be voided if damaged product is installed without prior inspection.

Proper Handling and Storage
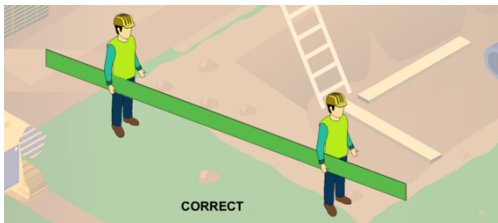
Always carry ChamClad® cladding by holding it by the narrow edge and pick boards up in the center. ChamClad® pallets should not be stacked more than 2 pallets high and always stored on a flat surface.

Storage of ChamClad®

Products must be on a flat surface which supports the entire length of the boards and should be kept dry & out of direct sunlight (when possible). Do not store or place on asphalt or in areas prone to excessive heat buildup. Cover with a tarp leaving ends open to allow for airflow. Store away from areas where there may be falling objects or construction debris that could cause damage. If stacking product, please ensure it is stable.

ChamClad® packaging is vented to limit the greenhouse effect. Do NOT store uninstalled panels in areas of excessive heat prior to installation; doing so may lead to product distortion.

Note: It is important that product is not stored for long periods where temperatures could exceed 30 degrees Celsius (86 degrees Fahrenheit).

Cutting and Tools

POWER TOOLS AND HAND TOOLS

TABLE SAW   MITRE SAW   CORDLESS DRILL   NAIL PUNCH

RUBBER MALLET   HOLE SAW   SNIP CUTTER

- Always ensure you wear proper, appropriate and standard PPE when performing cutting and installation.

- If using a circular saw, cut cladding face down on a clean surface.

- If using a cut-off saw, cut face up

- Carbide-tipped blades with 84+ teeth are recommended. (Aluminum blades are optimal)

- Do not score or snap ChamClad® exterior cladding

- Do not cut ChamClad® with coarse saw blade to avoid chipping or damaging the panel
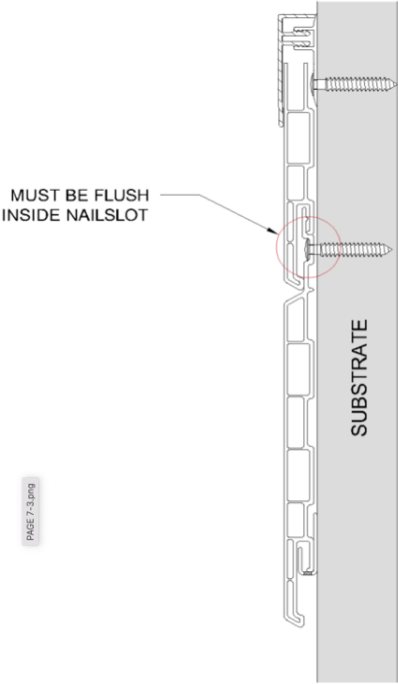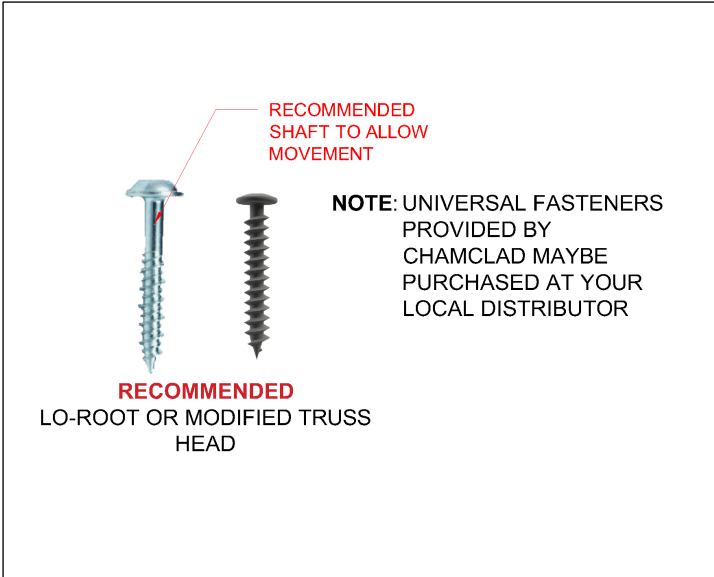
BEST PRACTICES GUIDE

INTRODUCTION

These installation instructions illustrate the "Best Practices" to install ChamClad® cladding, and trim. ChamClad® does not accept any liability or responsibility under their written warranty for product failure caused by improper installation.

It is the responsibility of the installer to observe the requirements of the local Building Code as they relate to installation in any given area. Most Building Codes are derived from National Building Codes. In Canada, the primary model is the National Building Code (NBC), which is published by the National Research Council of Canada (www.nrc-cnrc.gc.ca). In the United States, the primary model is based on the International Building Code (IBC), which produces the International Residential Building Code (IRC).

It is the responsibility of the builder or contractor, to understand the local code and how it pertains to the location where ChamClad® is being installed.

GENERAL INSTALLATION REQUIREMENTS

Fasteners

RECOMMENDED SHAFT TO ALLOW MOVEMENT

NOTE: UNIVERSAL FASTENERS PROVIDED BY CHAMCLAD MAYBE PURCHASED AT YOUR LOCAL DISTRIBUTOR

RECOMMENDED
LO-ROOT OR MODIFIED TRUSS HEAD

MUST BE FLUSH INSIDE NAILSLOT

SUBSTRATE

PAGE 7-3.png

CORRECT INSTALL

DO NOT USE
PAN-HEAD OR LOW TRUSS

GAP

LOW PROFILE HEAD NEEDED TO ALLOW PROPER TRIM FIT

SUBSTRATE

LOW PROFILE HEAD NEEDED TO ALLOW PANELS TO CONNECT

PAGE 7-4.png

INCORRECT INSTALL
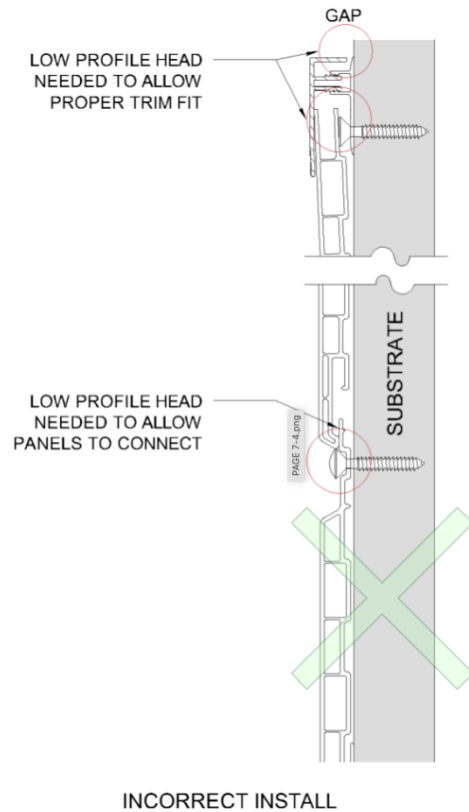
Fastener Size is critical to a successful ChamClad® installation; we recommend the following:

Screws: It is strongly recommended to use ChamClad® universal self-tapping screws which are available from your local distributor or directly from ChamClad®.

The fasteners must penetrate the wall to a minimum depth of 1 ¼" and allow for the expansion and contraction of the ChamClad® products. If using metal furring strips, use of self-drilling screw is recommended (Modified truss quadrex coarse thread self-drilling screw #8-18 X 1 ½"). You must pre-drill pilot holes when using ChamClad's universal self-tapping screws, when screwing into metal.

If ChamClad® fasteners unavailable, use low profile, corrosion resistant or stainless-steel screws long enough to fasten through the pre-punched flange. Do not use electroplated fasteners. It is important that the fastener head can fit inside the nailing slot. Fastener heads that protrude outside of the nailing slot will hinder ChamClad® tongue and groove locking mechanism.

ChamClad® Universal Screw
 #8 quad-drive 1 ½"
Self-tapping screw with 1/8" threadless shaft

Examples of alternate screws:

Exterior Wall
17 Self tapping
Round Washer Lo-root
#8 1 ½"

Modified Truss Quadrex Coarse Thread Screw Self-Drilling
#8 – 18 X 1 ½"

Note: DO NOT USE a stapler, or nail gun for exterior cladding and soffit panel installation. GLUE IS NOT to be used to fasten strapping or ChamClad® exterior wall boards.

Random ChamClad® Panel Pattern

ChamClad® wall panels are laminated with a repeating pattern (48"). ChamClad® makes every effort to ensure the patterns are mixed in each bag to minimize repeat patterns. It is suggested to randomly check panels at the job site for repeat patterns and adjust as required. To avoid excessive repetition when cutting boards 4' or less, use 2 boards with different patterns.

Classic Panel (1 Panel, 2 Looks)

ChamClad® offers a simple tongue and groove system with the product stacking from the bottom up. For a U-Channel profile, insert to the first stop. For a V-Groove profile, take a non-marking rubber mallet and tap to the next stop. Does not apply for Shadow Line Panel.

Air Barrier/Rainscreen

ChamClad® exterior wall panels can be installed over many weathers resistant sheet membranes. It is recommended as per CCMC/ ICCES that 6" exterior claddings are installed on an air barrier/ rainscreen. ChamClad® panels may be installed over wood furring strips (min. 1/2"), galvanized steel z-girt (min. 20 ga.) or a continuous 3-dimensional membrane, as per local Building Code requirements. ChamClad® exterior claddings must be fastened every 16-24" O.C.

Wall Flashings and Penetrations

Windows, doors, and utility penetrations must be flashed and trimmed properly. It is the responsibility of the installer/designer/builder to ensure it is done to local codes and best industry practice. If sealants are required, ChamClad® recommends ASTM 920 Elastomeric Joint Sealants (e.g., Tremco Spectrum 2).

2pc Trim - Vertical Installation

When installing 2pc trims vertically (2pc Outside Corner, 2pc J Trim, 2pc H-Trim), in order to prevent downward migration, it is recommended to fasten the base trim at the highest point of the nail slot with all other fasteners located in the centre of the remaining slots (every 8-12").

Before applying the top cap, it is recommended to add a small dab of sealant (1") between the teeth at the top and bottom of the base trim. This is especially important around doors and windows where you are not completing a full perimeter wrap.

Aluminum Trim - Film Shrink Back

Occasionally, you may encounter aluminum accessories where the ends need trimming due to the film shrinking back during the curing process. This occurrence will not affect the performance of the product.

Compatibility

ChamClad® products are not compatible with asphalt or products containing asphalt. Do not store bags on asphalt (i.e., driveways or roads) as panels and asphalt should not be in contact with each other. Asphalt, if brought into contact with ChamClad® will leach into the panels and possibly weaken or discolour the product. If ChamClad® products come into contact with asphalt, clean the ChamClad® product immediately with a non-solvent cleaning product.

Temperature Changes & Expansion/Contraction

It is important to remember that ChamClad® materials will expand and contract with regular temperature changes. ChamClad® trims allow for any variance in panel lengths due to expansion/contraction.

When placing fasteners in the center of the designated nail slots, always leave a 1/32" gap between the fastener head and nail flange to allow ChamClad® panels expand/contract as needed.

The below guide provides expansion/contraction examples based on different panel lengths and temperature fluctuations.

Expansion Guide (by temperature shift)

Temperature Change in °Celsius and Fahrenheit			Length of Panel (feet)			
			12'	20'	30'	35'
10		50	0.10	0.17	0.25	0.29
20		68	0.20	0.34	0.50	0.59
30		86	0.30	0.50	0.75	0.88
40		104	0.40	0.67	1.01	1.17
50		122	0.50	0.84	1.26	1.47
60	(Optimal Gap)	140	0.60	1.01	1.51	1.76
70		158	0.70	1.17	1.76	2.05
80		176	0.80	1.34	2.01	2.35
ChamClad® 's Coefficient of Linear Expansion (CLE): 0.0000698			Total Expansion/Contraction Per Panel (inches)			

Temperature Shift Example using ChamClad® products.

The change in length of any material because of expansion and contraction is dependent on 3 factors:

1. The Coefficient of Linear Expansion (CLE) of the material.

   For ChamClad® Panels, the CLE is 0.0000698 in/in/°C.

2. The original length of the material at time of cut

3. The net change in temperature

Change in length (inches) = (Original Length in inches) x (Temperature Change in °C) x (CLE in in/in/C units)

If there is a 12' (144") ChamClad® length that goes from 20°C (68°F) to 0°C (32°F), it will contract, theoretically, by this amount:

144 x 20 x 0.0000698 = 0.20" or 7/32"

For example, if installed in 20°C (68°F), the final length of a 144" long ChamClad® panel at 0°C (32°F) would become 143.80."
When temperatures return to 20°C (68°F), it is expected that the PVC material will expand and return to 144" in length.

General Rules

Based on a temperature change of 40°C (104°F), for example: 0°C (32°F) in cooler months and reaching 40°C (104°F) in warmer months:
For panel lengths up to 16' leave a ½" gap per side; over 16', up to 20' leave a 5/8"gap per side; over 24' pin the panel and leave a ½" gap per side to equalize expansion and contraction. Use larger faced trims (3.5" 2pc Finish Trim, 3.5" 2pc Outside Corner, larger faced H-Trim).

It is imperative that ChamClad® panels are cut to fit the coverage of trim pieces.

The temperature the day of installation factors into the expansion and contraction gap you leave. If installing on a cooler day allow for more expansion and a larger gap, if installing on a warmer day allow for less expansion and a smaller gap. The below guide provides recommended spacing based on temperature and Panel Length.

Recommended Gap Allowance Temperature Guide

OUTSIDE TEMP.		GAP PER SIDE (inches)				
°F	°C	≤ 12'	16'	20'	25'	30'
14	-10	3/8	1/2	5/8	3/4	7/8
32	0	3/8	7/16	1/2	5/8	3/4
50	10	5/16	3/8	7/16	1/2	5/8
68	20	1/4	5/16	3/8	7/16	1/2
86	30	3/16	1/4	1/4	5/16	3/8
104	40	1/8	3/16	3/16	3/16	1/4

- o Take into consideration the temperature on date of installation and season you are installing in.
- o Installation in weather colder than -10°C (14°F) is not recommended due to potential chipping or cracking of the panels. Should that occur warranty may be voided.
- o Generally speaking, in summer and winter months;

    For panels up to 16' leave a gap on each side of ½",

    For panels 20' leave a gap on each side of 5/8",

    Panels 25' and over need to be pinned (fastened directly through nail rail, not in center of nail slot) to equalize expansion and contraction. Leave of a gap on each side of ½" It is recommended to use the large faced trims to allow for appropriate expansion and contraction.

    When using small face trims, refer to gap chart above (page 10).

    It is important to acclimate panels and accessories for a <u>minimum of 24 hours</u> prior to installation.

CHAMCLAD®
EXTERIOR

WALL, SOFFIT, HORIZONTAL, VERTICAL

CHAMCLAD® EXTERIOR ARCHITECTURAL WALL PANELS
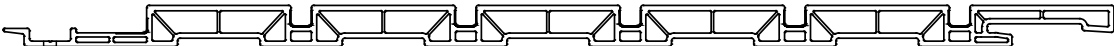
CHAMCLAD PANEL PROFILE
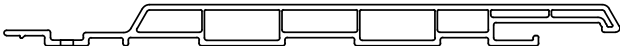
6" CLASSIC EXTERIOR WALL PANEL
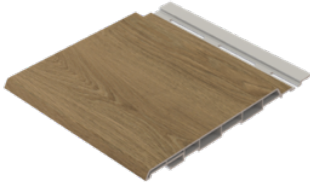
6" SHADOWLINE EXTERIOR WALL PANEL

6" SHADOWLINE EXTERIOR W/ 3" REVEAL

12" SHADOWLINE EXTERIOR W/ 2" REVEAL

6" Classic Wall Panel and Shadowline Series
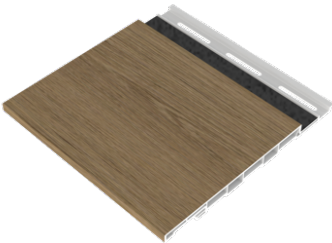***Panels may be used in exterior soffit (venting by others), interior wall and ceiling**
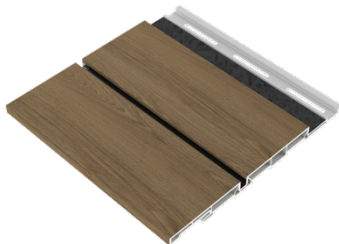
6" Classic Wall Panel ½"

6" CLASSIC EXTERIOR WALL PANEL

Classic Panel is one panel that offers two looks!
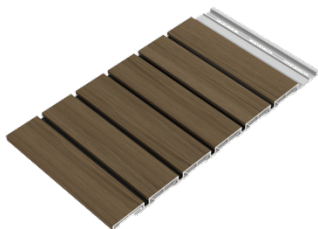U Channel & V Groove

6" Shadowline Wall Panel ½"

6" SHADOWLINE EXTERIOR WALL PANEL

6" Shadowline with 3" Reveal Wall Panel ½"

6" SHADOWLINE EXTERIOR W/ 3" REVEAL
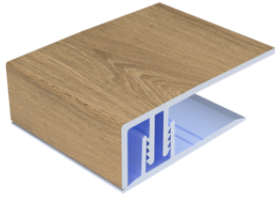
12" Shadowline with 2" Reveal Wall Panel ½"

12" SHADOWLINE EXTERIOR W/ 2" REVEAL

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CHAMCLAD® Exterior Wall Trims

*2pc 2" J Trim
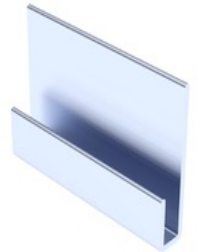12' & 20'

*2pc 3.5" Finish Trim
12' & 20'

Inside Corner Trim
10', 12', & 20'

*2pc 2" Outside Corner Trim
10' & 20'

*2pc 3.5" Outside Corner Trim
10' & 20'

Starter Strip
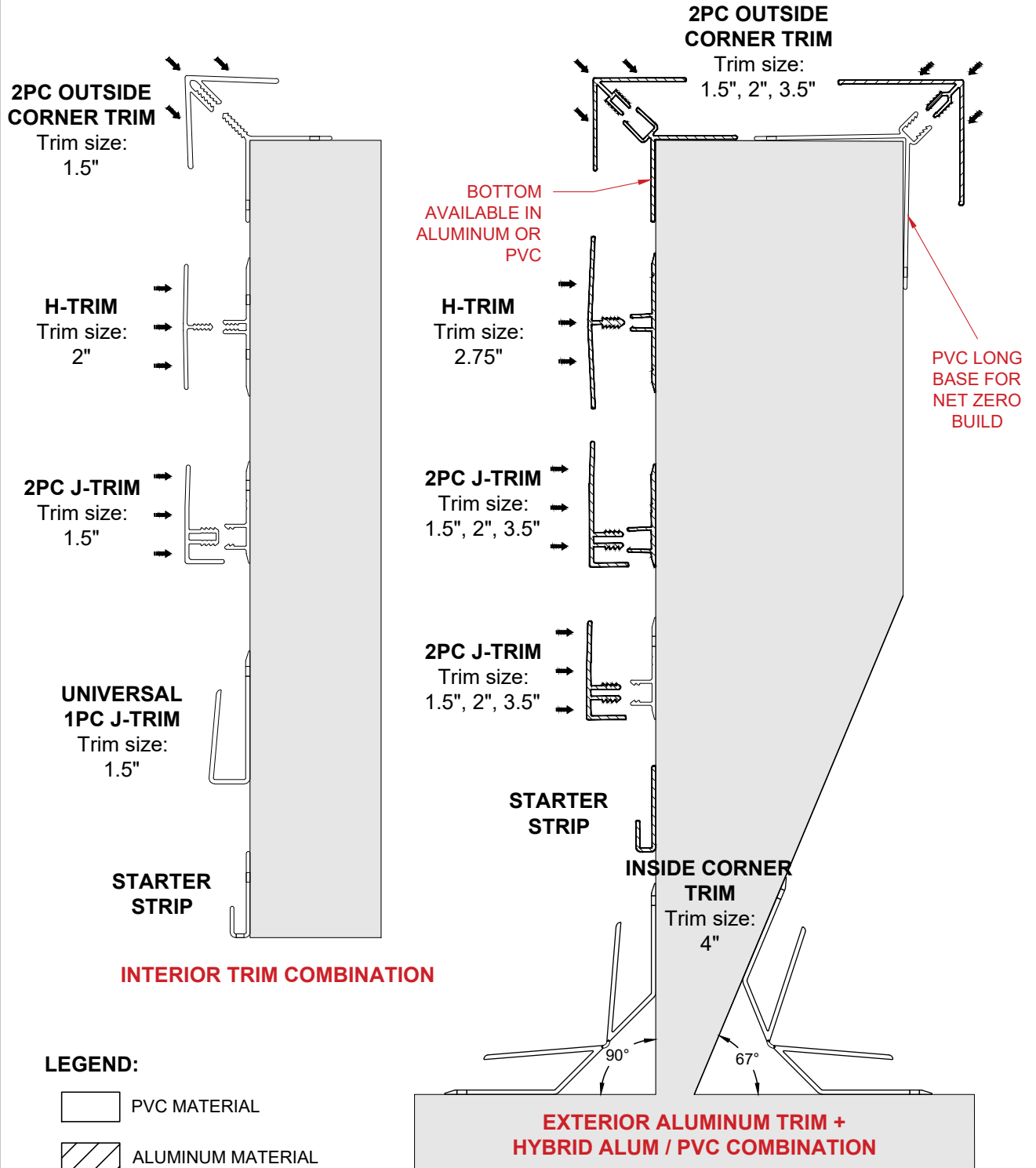12', 16', & 20'

2pc 2.75" Aluminum H-Trim
12' & 20'

PVC Universal J Trim (1 pc)
12' & 20'

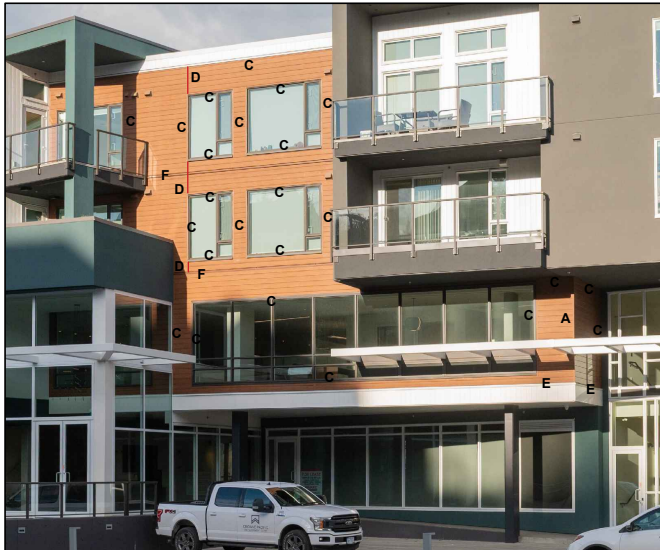*THESE TRIMS ARE AVAILABLE IN ALL ALUMINUM OR HYBRID COMBINATIONS

TRIM CONFIGURATION

STEPS - Install all bottom trims first, then panels, lastly finish the perimeter with topcaps.
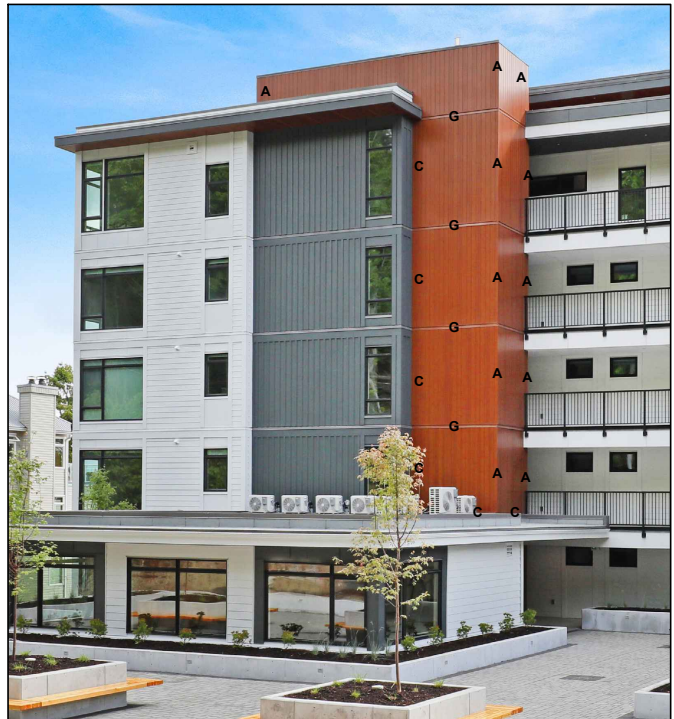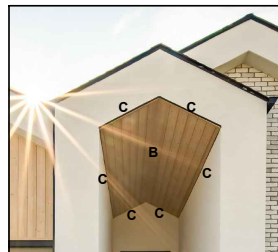**NOTE:** Use a non marking rubber mallet or hammer & block if required

2PC OUTSIDE CORNER TRIM
Trim size:
1.5"

H-TRIM
Trim size:
2"

2PC J-TRIM
Trim size:
1.5"

UNIVERSAL 1PC J-TRIM
Trim size:
1.5"

STARTER STRIP

INTERIOR TRIM COMBINATION

2PC OUTSIDE CORNER TRIM
Trim size:
1.5", 2", 3.5"

BOTTOM AVAILABLE IN ALUMINUM OR PVC

PVC LONG BASE FOR NET ZERO BUILD

H-TRIM
Trim size:
2.75"

2PC J-TRIM
Trim size:
1.5", 2", 3.5"

2PC J-TRIM
Trim size:
1.5", 2", 3.5"

STARTER STRIP

INSIDE CORNER TRIM
Trim size:
4"

90°   67°

EXTERIOR ALUMINUM TRIM + HYBRID ALUM / PVC COMBINATION

LEGEND:

PVC MATERIAL

ALUMINUM MATERIAL
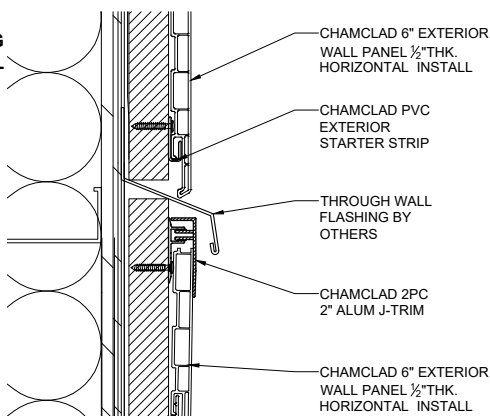
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PANEL & TRIM APPLICATION
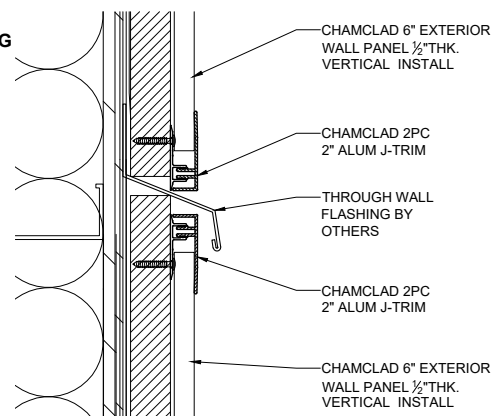

HORIZONTAL INSTALL

VERTICAL INSTALL

A. OUTSIDE CORNER TRIM - LOCATION: OUTSIDE CORNERS OF INSTALLATION AREA.
DETAILS: 2" & 3.5" OUTSIDE CORNER FOR HORIZONTAL OR VERTICAL APPLICATION. 3.5" RECOMMNEDED FOR LENGTHS OVER 24ft.

B. INSIDE CORNER TRIM - LOCATION: INSIDE CORNERS, CEILING PEAKS AND CURVED WALLS.
DETAILS: A FLEXIBLE PVC WITH 180° ANGLE, FOR EXTERIOR, INTERIOR WALL AND CEILING. HORIZONTAL AND VERTICAL APPLICATION.

C. 2PC J-TRIM - LOCATION: OUTER EDGES, WINDOW AND DOOR TRIM ALONG GABLE END WALLS, FLOOR AND CEILING.
DETAILS: 2" & 3.5" J-TRIM FOR HORIZONTAL, VERTICAL APPLICATION AND TERMINATING WALLS. 3.5" RECOMMENDED FOR LENGTHS OVER 24ft., MITER CUT ENDS FOR CLEAN FINISH.

D. 2PC H-TRIM - LOCATION: TO JOIN PANELS TOGETHER, **BUTT JOINTS NOT ALLOWED**.
DETAILS: 2.75" ALUM H-TRIM FOR HORIZONTAL, VERTICAL, WALL AND SOFFIT APPLICATION. 2" PVC FOR SOFFIT AND INTERIOR APPLICATION ONLY.

E. STARTER STRIP - LOCATION: TO START PANEL ON A HORIZONTAL APPLICATION & FOR CENTER WALL BACK TO BACK FOR VERTICAL INSTALL FOR EQUAL WIDTH ENDS.
DETAILS: ALUMINUM MUST BE DRILLED FOR DRAINAGE HOLE. PVC AVAILABLE WITH PRE DRILLED HOLES.

F & G. THROUGHWALL FLASHING - LOCATION: COMPRESSION JOINTS ON FLOOR ELEVATIONS.
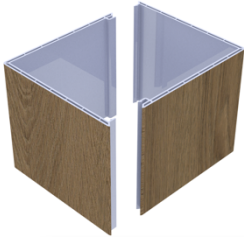DETAILS: USED FOR MOVEMENT IN BUILDING SETTING BETWEEN FLOORS, EXPANSION AND CONTRACTION.

F. THROUGH WALL FLASHING ON HORIZONTAL INSTALL

CHAMCLAD 6" EXTERIOR WALL PANEL ½"THK. HORIZONTAL INSTALL

CHAMCLAD PVC EXTERIOR STARTER STRIP

THROUGH WALL FLASHING BY OTHERS

CHAMCLAD 2PC 2" ALUM J-TRIM

CHAMCLAD 6" EXTERIOR WALL PANEL ½"THK. HORIZONTAL INSTALL

G. THROUGH WALL FLASHING ON VERTICAL INSTALL

CHAMCLAD 6" EXTERIOR WALL PANEL ½"THK. VERTICAL INSTALL

CHAMCLAD 2PC 2" ALUM J-TRIM

THROUGH WALL FLASHING BY OTHERS

CHAMCLAD 2PC 2" ALUM J-TRIM

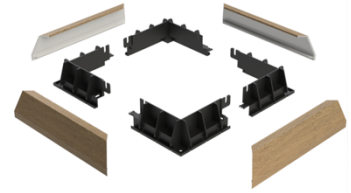CHAMCLAD 6" EXTERIOR WALL PANEL ½"THK. VERTICAL INSTALL
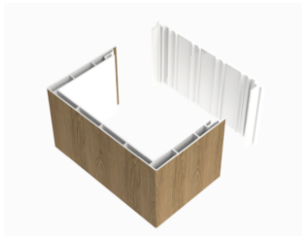
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COLUMN AND BEAM WRAPS

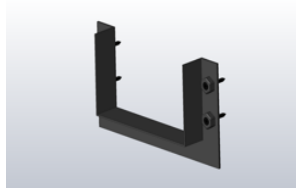7" 2pc Column Wrap

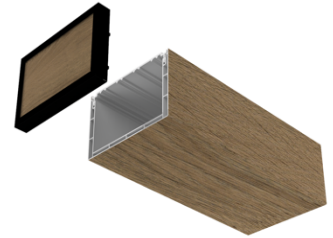1" x 4" Architectural Trim

Quick Click Column Cap and Base Trim
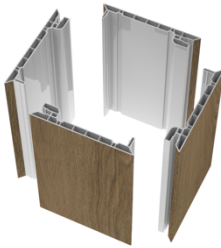Available in 7", 8", 10", and 12"

2pc Beam 5.5"x 3.35"

Beam Bracket

Beam End Cap

4pc Quick Click Column and Beam Wrap
Available in 8", 10", and 12"

ACCESSORIES

Spray Bombs
Colour matched Spray Paint.
Recommended for use with the Column Wrap Trims or any larger surface areas.

ChamClad® Universal Screw
 #8 quad-drive 1 ½"
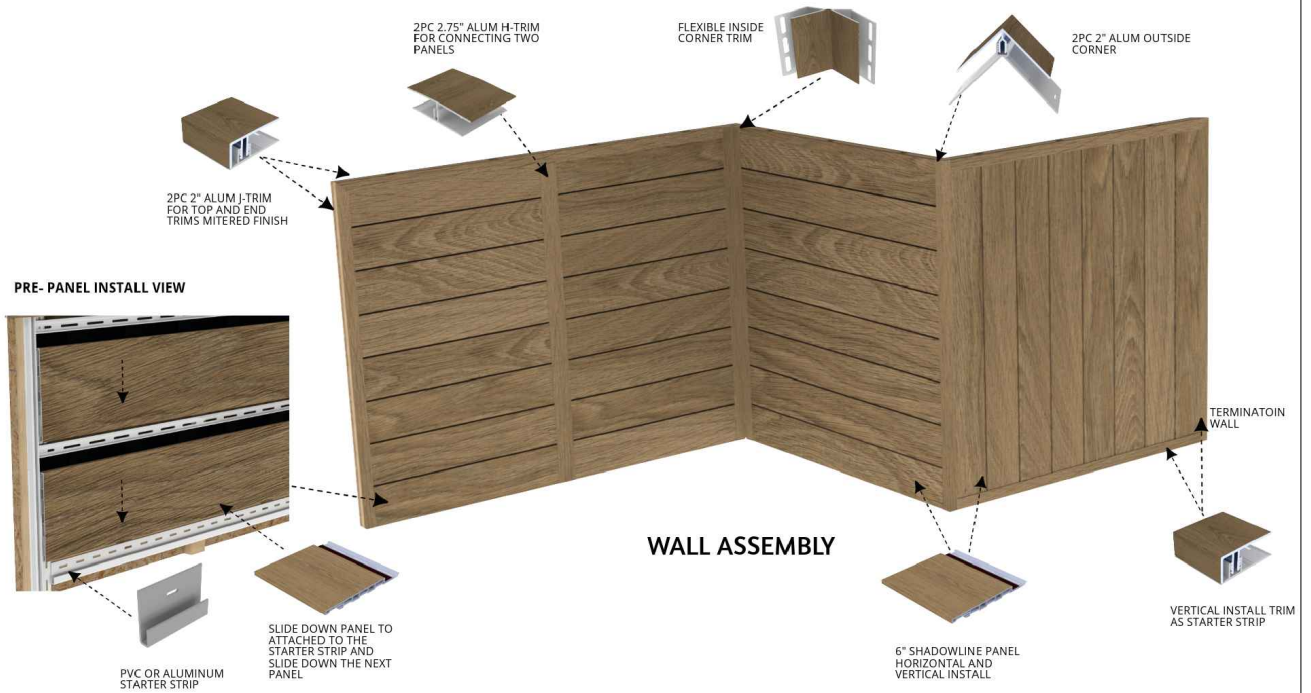Self-tapping screw with 1/8" threadless shaft

Touch Up Pens

PREPARATION: The areas to be touched up must be dry and free from dust, dirt, and grease. Before each use, shake Pen for approximately 30 seconds. Rattle of mixing balls must clearly be heard.

DE-AERATION: Due to exterior influences (heat) an overpressure may develop. To prevent blotching, the pen must be de-aerated. Put pen with tip pointing downwards onto a solid, non-soaking surface and press down – hold for 2 seconds, release and repeat procedure until tip is filled with touch- up (7-10 times may be necessary).

APPLICATION: Touch down pen tip at a flat angle (about 45 degrees) using light pressure. The valve opens and touch-up flows continuously. With the new designed tip, you can work precisely on hard-to- reach areas. Different stroke widths can be easily applied. Touch up rapidly with one stroke using light pressure. **Important: Do not apply another coat of touch up until first coat has dried (approximately 3-5 minutes).** If opacity decreases, shake pen again and de-aerate as described above. If touch-up flow decreases, simply pump again. Put cap on immediately after use – cap has to snap with a "click". Over time, tip may become blocked with pigment sediments. If this occurs, replace tip with a new one, shake Pen well and repump.

*Do not let pens freeze

WALL & RAINSCREEN ASSEMBLY

2PC 2.75" ALUM H-TRIM FOR CONNECTING TWO PANELS

FLEXIBLE INSIDE CORNER TRIM

2PC 2" ALUM OUTSIDE CORNER

2PC 2" ALUM J-TRIM FOR TOP AND END TRIMS MITERED FINISH

PRE- PANEL INSTALL VIEW

TERMINATOIN WALL

WALL ASSEMBLY

PVC OR ALUMINUM STARTER STRIP

SLIDE DOWN PANEL TO ATTACHED TO THE STARTER STRIP AND SLIDE DOWN THE NEXT PANEL

6" SHADOWLINE PANEL HORIZONTAL AND VERTICAL INSTALL

VERTICAL INSTALL TRIM AS STARTER STRIP

TRIMS - All bottoms are installed first on the whole perimeter, panels then trim caps.

WALL ASSEMBLY - Panels maybe installed horizontal or vertical over a rainscreen system.

HORIZONTAL INSTALL AIRFLOW

16"-24" O.C.

VERTICAL INSTALL AIRFLOW

12" O.C.
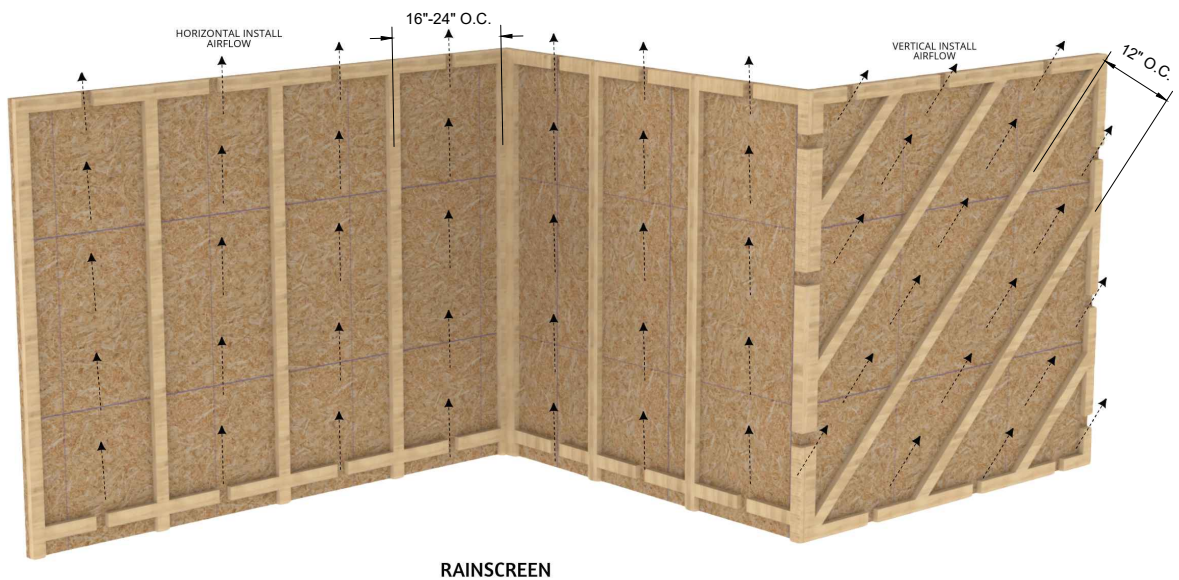
RAINSCREEN

RAINSCREEN ASSEMBLY - We strongly suggest to use rainscreen method when installing CHAMCLAD products, having a proper airflow is important.

EXTERIOR HORIZONTAL WALL PANEL INSTALLATION

6" Classic and Shadowline Series
(See assembly drawings listing on page 62)

- o Acclimate panels and accessories for a minimum of 24 hours prior to installation. With each course of ChamClad® panels, proper gaps must be left between the end of the wall panel and the track of the base trims for expansion and contraction.

  - **Refer to the gap allowance temperature guide chart on page 10 and guidelines before beginning.**

- o Use a level to produce a guideline around the entire building and mark with a chalk line. Snap line where the starter strip will be installed.

- o When installing air barrier/ rainscreen, use either furring/strapping (16-24" O.C.) or steel furring/strapping every (16-24" O.C.) vertically across the wall or an approved continuous 3-dimensional membrane.

- o Install a ChamClad® Starter Strip fastening every 12" (1/32" gap from fastener head to nail flange to allow for horizontal expansion and contraction). Install panel 2" above grade or ½" above concrete (set Starter Strip accordingly) following local building codes.

- o Install flashing and trim bases around windows, doors, utility box fixtures, and all other penetrations through the wall cladding. We recommend all ChamClad® accessories be fastened every 8-12" (8" in high heat or wind exposure areas). It is common industry practice to align all vertical and horizontal trims on the same wall to ensure a visually clean look.

- o Fasten all panels 16-24" O.C. starting within 4" from both ends of panel. Ensure that screws are placed in the middle of the nail slots to allow for proper expansion and contraction. **For panels over 24' - Pin Panel at centre of nailing fin and not in nailing slots to equalize expansion and contraction.** See gap chart and guidelines on page 10-11.

- o Begin installing your bottom courses of ChamClad® wall panels using ChamClad® Universal screws. **When installing panel lengths 20' and over, it is recommended to use the large faced trims to allow for appropriate expansion and contraction**. Check every three or four courses to ensure that ChamClad® wall panels are level and that adjacent panels are aligned horizontally.

- o Except where designated in this manual, fasteners must be placed in and through the **center** of the nail slot. The fastener must be installed straight and not at any angles. The head of the screw or crown should allow for the thickness of a dime (roughly 1/32") behind the face of the mounting hem to allow for expansion and contraction of the ChamClad® panels.

- If you need to apply a fastener in a section that does not have a manufacturers pre-drilled hole, you MUST pre-drill a nail slot to allow the panel to expand and contract without restriction. (Nail slot punch may be used).

- Application of all 2pc trim top caps is the last step to completing a ChamClad® panel installation. Ensure not to overdrive the trim tops to the point where panels can no longer expand and contract due to tightness.

- ChamClad® exterior panels may be used in beam, post, or column wrap applications. When installing horizontally begin with installation of the bases of the 2pc Outside Corner on all corners. Continue with installing starter strip between corners at the base and 2pc J Trim between the corners at the top. Install all courses of ChamClad® panels and complete with the installation of the 2pc Corner Cap and the 2pc J trim cap along the top. Refer to assembly drawing listing on page 62.

Notes:

- It is recommended as per CCMC/ ICCES that 6" exterior cladding be installed on an air barrier/ rainscreen (recommended size is ¾" thickness X 1 ½" width). Contact insidesalesrep@chamclad.com for additional rainscreen alternate solutions.

- DO NOT BUTT JOIN WALL BOARDS – you **MUST** use an H-Trim. Leave a proper gap inside the H-Trim to allow for expansion and contraction (refer to gap allowance temperature chart on page 10). Do not install the H-Trim top cap until all wall panel courses are up.

- Installation in weather colder than -10°C (14°F) is not recommended due to potential chipping or cracking of the panels. Should that occur warranty may be voided.

- When installing final top horizontal panel, trimming the full length of the panel at a 45-degree angle may ease installation of last panel. Oversized nail slots must be added manually.

- Steel stud framing, associated sub girts and fasteners to be installed as designated by the appropriate design professional OR must be a minimum of 20 gauge or lower and installed 16-24" O.C.

    - Note: DO NOT USE a stapler, or nail gun for exterior cladding and soffit panel installation

    - Note: GLUE IS NOT to be used to fasten strapping or ChamClad® exterior wall board

EXTERIOR VERTICAL WALL PANEL INSTALLATION

6" Classic and Shadowline Series

Typical Vertical Install Method

Properly installed vertical siding should have a balanced look. Working from left to right, plan the panel layout carefully. If you were to draw a vertical line down the center of the wall, there would be an equal number of panels on both sides. If trimming panels is necessary for a proper fit, the outermost panels should have the same width.

To achieve this balanced appearance, distribute the remaining space evenly at both ends of the wall. For instance, if a wall requires 25 full panels plus and additional 10", you would cut two 5" sections to create the end panels.

*We recommend this method for the 6" Classic U-Channel and Shadowline Series to best achieve a balance appearance. See drawing CD.10-B on page 66

Alternate Vertical Install Method

Determine the center of the wall and install 2 starter strips back-to-back (spaced 1 7/8" apart) and 1" above the universal J Trim, fastening every 12". Ensure proper vertical backing is behind starter strips. (See drawing #CD.10-A on page 65)

Begin panel installation by positioning first panels into starter strips (working outward from wall center in both directions). It is good practice to fasten at the highest point of the nail slot at the top of each panel to limit downward migration. Balance of screws to be fastened in the center of nail slots and should allow for the thickness of a dime (1/32") between the screw head and the face of the nail slot.

*We recommend this method for the 6" Classic V-Groove installation to best achieve a balance appearance. See assembly drawings on page 65.

Steps for Vertical Installation
- o To install vertical cladding, position strapping horizontally or diagonally (at a 45° angle) at 12" O.C. If horizontal, leave 2" gaps between straps every 3'-4' to allow any envelope moisture to escape. A continuous, 3-dimensional membrane with a vertical drainage cavity may also be used as a rainscreen (follow manufacturers recommended install procedures). Always check and follow local Building Codes.

- Snap a level chalk line around the base of the building and install universal J Trim/2 pc J Trim that will act as a starter strip, fastening every 8 - 12". When using a 1 pc Universal J trim, prior to install, drill 3/16" weep holes in bottom of universal J Trim 4" from ends and every 18"-24" to allow for drainage.

- Continue installing bases of all 2pc. Outside Corners, H-Trims and 2 pc J trims, fastening every 12". Please note all 2 pc trims require solid backing. We recommend all ChamClad® vertical panels and accessories be fastened every 12".

- To complete the install, apply the top caps of all 2pc. trims using a non-marking rubber mallet tapping gently until it locks in place. Do not over drive the trim top cap to the point where the panels can no longer expand and contract due to tightness. Note: All 2pc trims must have equal length base and top to support the trim top and ensure full length engagement.

- ChamClad® exterior panels may be used in a post or column wrap application. When installing in a vertical orientation, begin by installing all bases of 2pc Outside Corners on all corners. Continue with installing 1pc Universal J Trim or 2pc J trims between the Outside Corners at the base (punched with weep holes if required) and 2pc J Trim between the corners at the top. Measure column width and trim panels evenly to distribute across the column face with equal panel widths or use two starter strips installed back-to-back vertically in the center of the column and install panels outwards from the center. Fasten all panels at the highest point of the nail slot at the top of each panel to limit downward migration. To complete install, apply top cap of the 2pc outside corner and the 2pc J trim cap along the top. Avoid over hammering the 2pc trim caps so panels can freely move during expansion and contraction. (Refer to vertical column assembly drawings on page 69).

- In addition to using panels in a post, beam, or column wrap application, ChamClad® offers a 7" Column Wrap 2pc and our Quick Click Column and Beam in 8", 10", or 12". The innovative trim-less design results in clean lines, and an overall modern and precise appearance. It is environmentally friendly and easy to install over any wood or steel post; is extremely durable, UV protected, scratch and graffiti resistant. Refer to detailed installation instructions on pages 60 and 61.

NOTES:
- Attach vertical claddings and trims using ChamClad® Universal Screws. Screws must penetrate structural framing members.

- It is recommended as per CCMC/ ICCES that 6" exterior cladding be installed on an air barrier/ rainscreen (recommended size is ¾" thickness X 1 ½" width). Contact insidesalesrep@chamclad.com for additional rainscreen alternate solutions.

o Install vertical exterior cladding to structural framing members when using non-structural sheathing, drywall, or foam. Install exterior cladding a minimum of 2" above finished grade or as per local building codes. Allow 1⁄2" above deck or concrete.

o At every floor level, it is recommended to break the installation through the use of a thru-wall flashing (supplied by others) or a ChamClad® H-Trim and restart following steps above. The first course of vertical cladding ends in the bottom of the H-Trim with the second course starting in the top of the H-Trim following the steps listed above. Always confirm local building code requirements.

o Except where designated in this manual, it is critical that fasteners are installed in the manufacturers pre-drilled holes. If you need to apply a fastener and it is in a section that does not have a manufacturers pre-drilled hole, you MUST pre-drill a nail slot (using a nail slot punch) to allow the panel to expand and contract without restriction.

o Installation in weather colder than -10 °C (14°F) is not recommended due to potential chipping or cracking of the panels. Should that occur warranty may be voided.

o Acclimate all panels and accessories for a minimum of 24 hours prior to installation.

- Note: DO NOT USE a stapler, or nail gun for exterior cladding and soffit panel installation

- Note: GLUE IS NOT to be used to fasten strapping or ChamClad® exterior wall board.

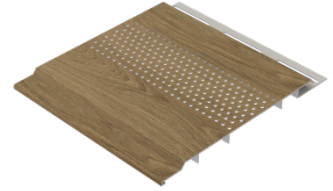# CHAMCLAD® EXTERIOR SOFFIT/FASCIA PRODUCTS
4", 6"and 12'' Soffit Panel Series *

4" Solid Soffit Panel 3/8"   6" Solid Soffit Panel 3/8"   4" & 6" Vented Soffit Panel 3/8"

*6" Classic and Shadowline may be used in soffit application (venting supplied by others)

CHAMCLAD® Exterior Soffit Trims

*2pc 1.5" PVC Soffit J Trim
12' & 20'

*2PC 1.5" Outside Corner
12' & 20'

1.5" PVC Universal J Trim
12' & 20'

2pc 2" PVC H-Trim Soffit
12' & 20'

2pc 2.75" Aluminum H-Trim
12' & 20'

*THESE TRIMS ARE AVAILABLE IN ALL ALUMINUM, ALL PVC OR HYBRID COMBINATIONS

EXTERIOR SOFFIT INSTALLATION

4", 6" and 12" Seamless Soffit Panel Series (3/8'')
(See assembly drawings listings on page 62)

- o ChamClad® **solid soffit** panels are available in 4", 6" and 12". The 4" panels are available in 12' and 20' lengths, 6" panel in 12', 16', 20' and 30'. ChamClad® **Vented Panel** 4" is available in 12' & 20' lengths. The 6" Vented panel is available in 12', 16' and 20' lengths. VENTING: Both vented and solid panels MUST be used during installation of ALL exterior soffit applications. This includes the underside of decks (with or without living spaces above), porch ceilings and typical perimeter soffit for attic ventilation (as required by code).
- o Verify that soffit substrate is even and level across all surfaces. Applicators may need to install shims to achieve a consistent surface to attach the soffit panels to.
- o Attach ChamClad® soffit panels at 12 - 16" using ChamClad® universal screws. If the eave span is greater than 16", additional blocking must be installed at 12-16" O.C.
- o On exterior soffit installations maintain the proper expansion/contraction distance from the end of the board and the required accessory (universal J Trim, 2pc H-Trim or 2pc J trims - refer to refer to gap allowance chart on page 10).
- o During the installation process, it is important that the soffit material is installed to freely allow expansion and contraction with changes in temperature. It is recommended to use ChamClad® universal screws. Please allow for a 1/32" gap from the fastener head to the nail flange. Due to our PVC's recycled composition, ChamClad® soffit will not swell if exposed to moisture.
- o When installing vented soffit panels, it is recommended to alternate between solid and vented panels. Always begin installation with a solid soffit panel. First panel, you must rip down nose to tuck inside the 2 pc J trims and allow for a gap (refer to gap chart page 10). Do not forcefully press panels together during installation to avoid cupping; panels must be installed loosely to allow for movement. Do not over torque screws when installing soffit. When installing long lengths, start from one end and work your way to the other. Always verify local building code requirements.
- o Depending on the design of the soffit, ChamClad® soffit panels may be installed parallel or perpendicular to the exterior walls. It is important that each panel be fastened at every joist or rafter every 12"-16" O.C. using ChamClad® Universal Screws. Install additional courses and check alignment to either side of the line. Check that proper gaps according to the typical weather conditions are maintained to allow for proper expansion/contraction.

Soffit - Parallel to Building

Soffit – Perpendicular to Building

- When wrapping fascia through soffit, install Outside Corner horizontally along the bottom of the fascia. The top portion serves as a starter for the fascia with the underside portion being the starter for the soffit

- For both 6" and 4" x 12' vented soffit panels, the ventilation area is 13.25 in^2 per panel; for 20' vented soffit panels, the ventilation area is 22.08 in^2. ALWAYS reference **local** building code when confirming ventilation requirements.
  Note: Adequate soffit ventilation is a necessity in all soffit applications, especially in the summer months. Excessive heat build-up can occur due to trapped air in the soffit cavity and results in higher soffit temperatures than outside air temperatures. **All soffit applications must be vented.**

- ChamClad® does not recommend installing products at -10°C (14°F)

- Allow the product to be acclimated for a minimum of 24 hours before install. Refer to gap allowance chart on page 10.

- Where more than one soffit length is needed, an H-Trim is required to cover the expansion/contraction gap. **DO NOT BUTT JOIN PANELS.**
  Please note 2pc trims require solid backing and be fastened every 8-12" O.C.

- When installing Trims and Soffit panels, it is important to use low profile ChamClad® universal screws and fasten solid soffit and vented panels every 12"- 16" and all trims fastened every 8"-12".
  In high wind or heat areas all soffit panels must be fastened 12" O.C. and trims 8" O.C

- When installing final panel, trimming excess panel at a 45° angle at the full length of the panel may ease installation of last panel. Nail slots must be added manually.

NOTE: 4", 6" and 12" X 3/8" soffit panels may NOT be used in exterior WALL application as improper use will VOID WARRANTY.

DO NOT install gas heaters into a soffit or ceiling application.

***If planning to install infrared heaters, check with the Chamclad® engineering department to ensure compatibility with cladding.

***If planning to install electric heater, we recommend using the "Platinum Smart Heat Electric". Please contact insidesalesrep@chamclad.com for further assistance and details.

Platinum Smart Heat

Quick Click Exterior Soffit Installation Instructions

6" Quick Click Shadowline Soffit ½"

Tools and Materials Required:

- Laser leveling devices
- Hacksaw
- Power mitre saw with a fine-tooth blade
- Standard contractor's tools
- Pop Rivets (1/8" x 1/4") – for Track Connector (Supplied by others)
- Fasteners – **ChamClad®** Universal Fasteners (1 ½")
- 2 pc J-Trim - Perimeter Trim- Standard Black
- Track Connectors (10 pc/bag)
- Quick Click Aluminum Track- 4pc/Bag
- Panels - Hidden Vent or Unvented

VENTED QUICK CLICK SOFFIT

UNVENTED QUICK CLICK SOFFIT
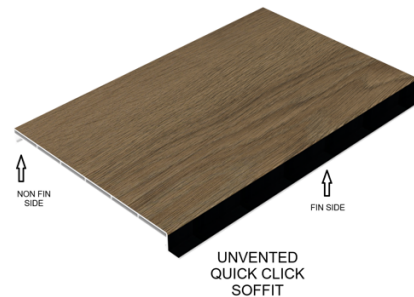
Track Connector
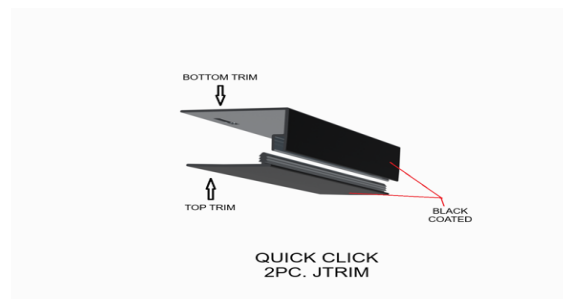
QUICK CLICK 2PC. JTRIM
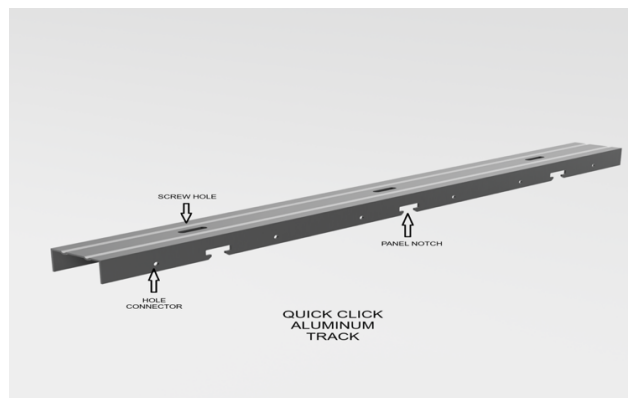
QUICK CLICK ALUMINUM TRACK

Dimensions:

- **ChamClad® Quickclick Shadowline soffit panels**: 12', 16', and 20' lengths
    - Single panel: 6" exposed face, ½" thickness
    - Ventilation: 2.36 sq. in./sq. ft.
      Note: This calculation is based on using two pieces of 6" panels.
- **Track Connector**: 4.7" L x 1.38" W x 0.6" H
- **Track**: 12' L x 1.5"
- **2 pc J-Trim**: Aluminum, Powder coated Standard Black, 1.5" face x 12', base 2" x 12'

Please Note:

- Review all drawings applicable to the installation and predetermine the layout of the Quick Click Track, trims and panels. To optimize yield and minimize waste, there may be various panel lengths incorporated into your project (please be sure to check panel location(s) on drawings and layout install plan accordingly)
- Review installation guidelines (below) completely and if you have any questions or require further clarification, please contact the **ChamClad®** Engineering Department at 1.780.454.4430 or email: engineering@chamclad.com
- It is critical that Perimeter Trims and Tracks be aligned and level to ensure correct engagement of panels into Track.
- Take note of Track and Panel direction before planning.
- Light cutouts should be made as the soffit and/or ceiling panels are installed. We recommend lights that are independently suspended. Use a hole saw cutter or mitre saw with a fine-tooth blade and trim kits provided with spotlights. Trim panels around lights to allow for expansion and contraction into the trim. Never hard fasten a light fixture.
- Should you need to remove a panel, use a putty knife to pop out and then reinstall.
- Whenever possible, complete project with full panels.

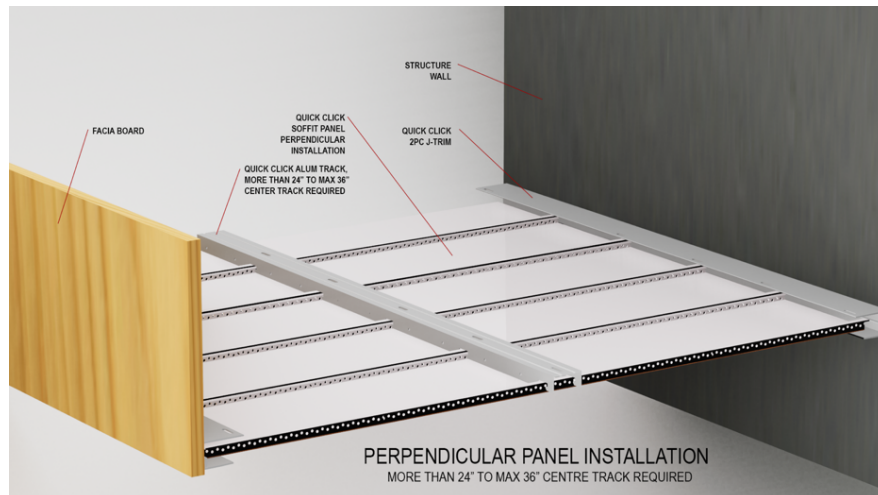## Installation Steps for Perpendicular Soffit

Plan the Layout: Plan the soffit layout carefully, as panels cannot be butt joined. Use two 2pc J trims back-to-back (functioning as an H trim) for extended runs and corners. J trims require backing. (See layout images on page 40)
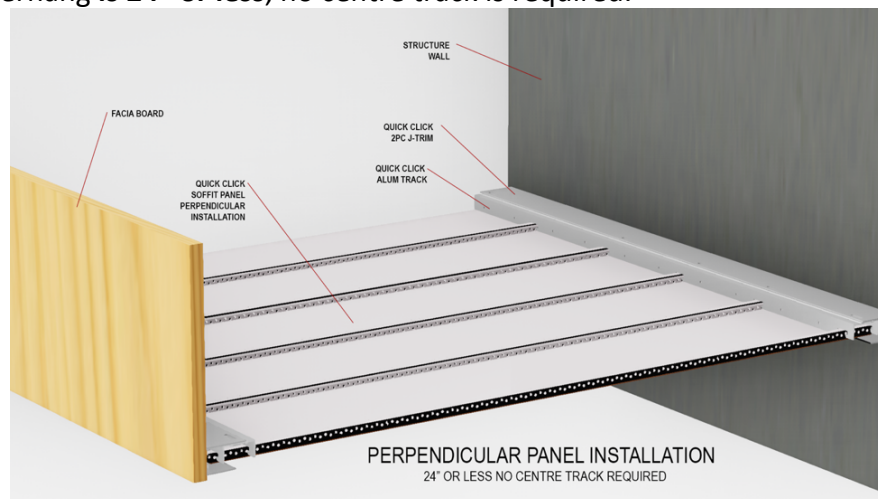
1. Install 2pc J trim:
- Install the base of J trim around the soffit perimeter, ensuring the base is level on all sides
- The 2pc J Trim on end walls must be installed level to the track so the soffit is aligned
- Fasten with **ChamClad®** universal screws every 8"-12"

2. Install QC Track:
   Note: If your overhang is **more than 24" up to 36"**, install a single track down the centre and ensure the 2pc J trim is level so panels sit straight.

   If your overhang **is 24" or less**, no centre track is required.

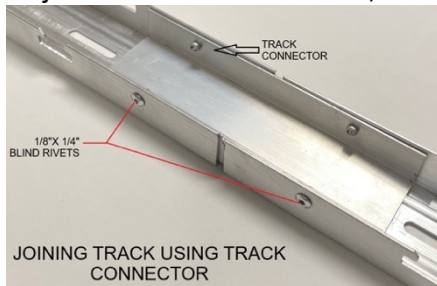**Installation Steps for Perpendicular Soffit Continued...**

- Start by screwing a full piece of QC Track (16"-24" OC).
- Run QC tracks into the 2pc J Trim. It is wide enough to hold track and panels. This will provide additional support.
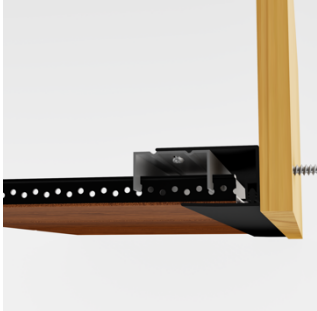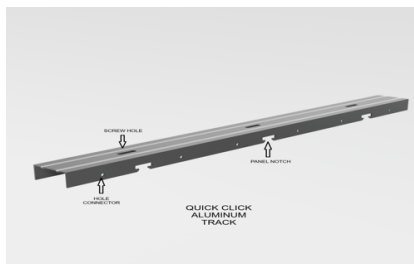

- Use a laser level to verify subsequent tracks align with the first track for proper panel engagement.
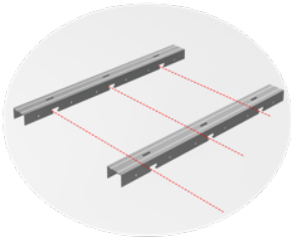
- At junctions between tracks, use a track connector to join two QC tracks with rivets

- Temporarily insert a panel into the notches to check alignment. A smooth and even fit confirms correct track alignment.

Installation Steps for Perpendicular Soffit Continued...

3. Install QC Panels:

- Leave an allowance on the ends for the panel to expand and contract. Generally speaking, ½" in summer and 5/8" in winter for up to 20' lengths.

- Start installing the QC panel with the fin side inserted first into the track

NON FIN   FIN SIDE

- Using a non-marking rubber mallet, ensure the panel is fully engaged in the track before clicking in the next panel. Continue until all panels are installed.

- Whenever possible, complete the project using full panels. If ripping a panel is necessary, cut the panel using a power saw with a fine-tooth blade.

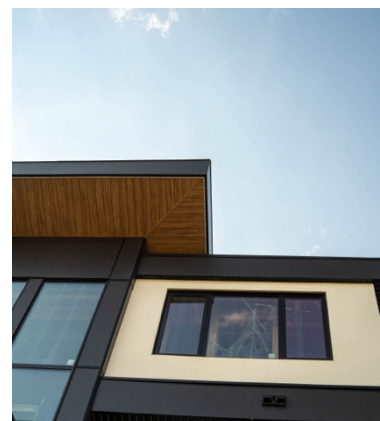- For Corners use the 2pc J Trim back-to-back (functioning as an H Trim) on blocking.
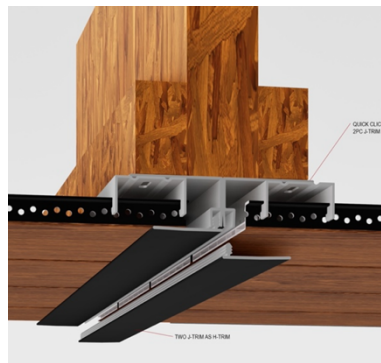
4. Final Touches:

- After installing all the QC Soffit panels, use a mitre cut to install the top J Trim. This method ensures a clean and professional finish for your soffit installation, especially around corners.
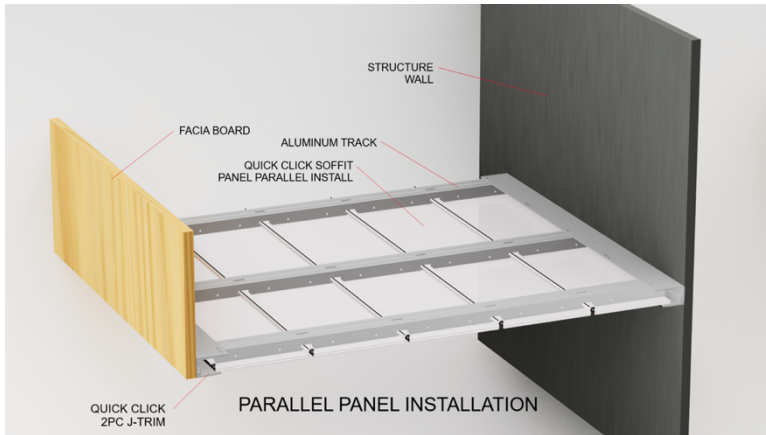

Mitred Corner Detail 2pc J trim, back-to-back on blocking

Installation Steps for Parallel Soffit:

Plan the Layout: Plan the soffit layout carefully, as panels cannot be butt joined. Use two J trims back-to-back (functioning as an H trim) for extended runs (maximum panel length of 20ft) and corners. J trims require backing.
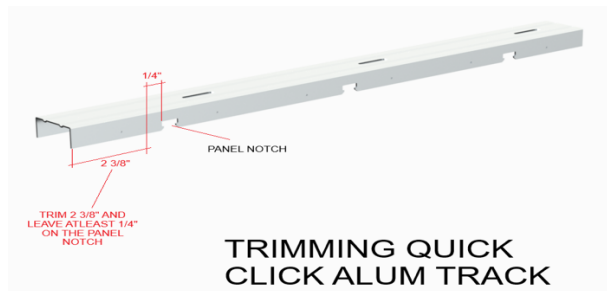

1. Install Base 2pc J Trim:
- Install the 2pc J trim base around the soffit perimeter.
- Ensure the base is level on all sides.
- Fasten with **ChamClad®** universal screws.

2. Install QC Track:
- Trim the track by 2 3/8" and leave a ¼" to attach to the J Trim. This will give full coverage when the top of the J Trim is installed. Start with a full panel at the fascia.


- Start by screwing a full piece of QC Track (16"-24" O.C).

Installation Steps for Parallel Soffit Continued...

- Run QC tracks into the 2pc J Trim. It is wide enough to hold track and panels. This will provide additional support.
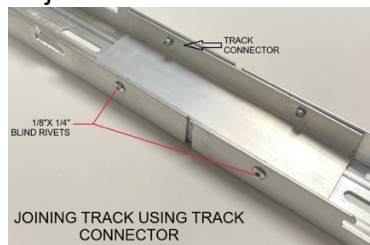 **Note**: Install the first track inside J trim, then continue with spacing 16" – 24" O.C. If the last track spacing exceeds 18" from the perimeter J trim you must install a track inside the J trim. This will provide required panel support.
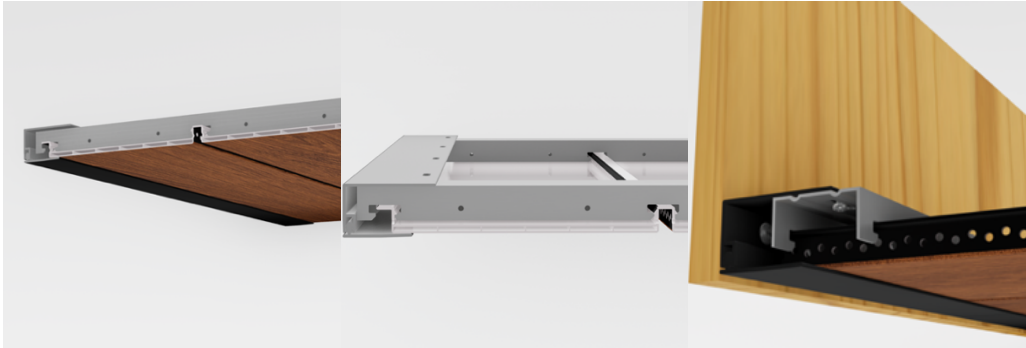

- Use a laser level to ensure subsequent tracks are aligned with the first track for proper panel engagement.
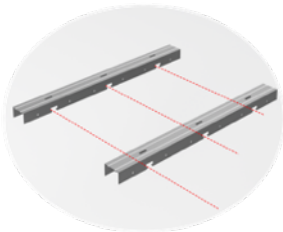
- At junctions between tracks, use a track connector to join two QC tracks with rivets

JOINING TRACK USING TRACK CONNECTOR

- Temporarily insert a panel into the notches to check alignment. A smooth and even fit confirms correct track alignment.

QUICK CLICK ALUMINUM TRACK
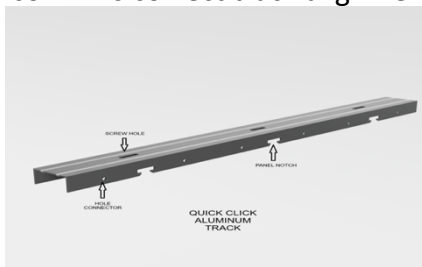
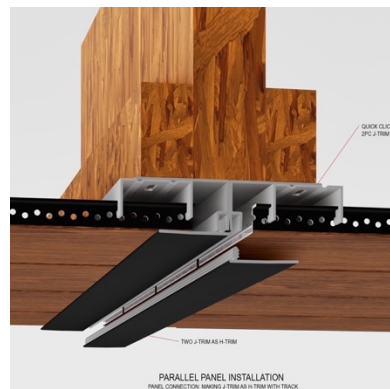**Installation Steps for Parallel Soffit Continued...**

3. Install QC Panels:

- Leave an allowance on the ends for the panel to expand and contract. Generally speaking, ½" in summer and 5/8" in winter for up to 20' lengths.
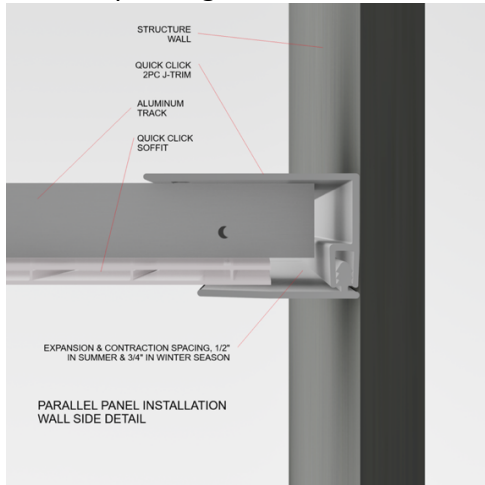
- Start installing with a full panel on the fascia side and work toward the wall side. If a ripped panel is necessary, it should be located along the wall side.

- Install the QC panel with the fin side inserted first into the track.

- Using a non-marking rubber mallet, ensure the panel is fully engaged in the track before clicking in the next panel. Continue until all panels are installed.
- Whenever possible, complete the project using full panels. If ripping a panel is necessary, cut the panel using a power saw with a fine-tooth blade.
- Panels cannot be butt joined. Use two J trims back-to-back (functioning as an H trim) for extended runs and corners. J trims require backing.

Installation Steps for Parallel Soffit Continued...
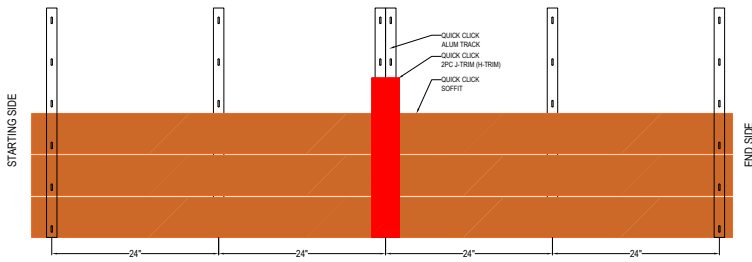
4. Final Touches:
- After all panels are installed, use a mitre cut to install the top J-Trim, completing the corner. This method ensures a clean and professional finish for your soffit installation, especially around corners.

QUICK CLICK
SOFFIT PANEL
PARALLEL
INSTALLATION

QUICK CLICK
2PC J-TRIM

PARALLEL PANEL INSTALLATION
CORNER CONNECTION

684 SOUTH ISL. HWY.

Layout Images for Quick Click Soffit

36" OVERHANG

24" OVERHANG

18" SPACING

16" SPACING

12" SPACING
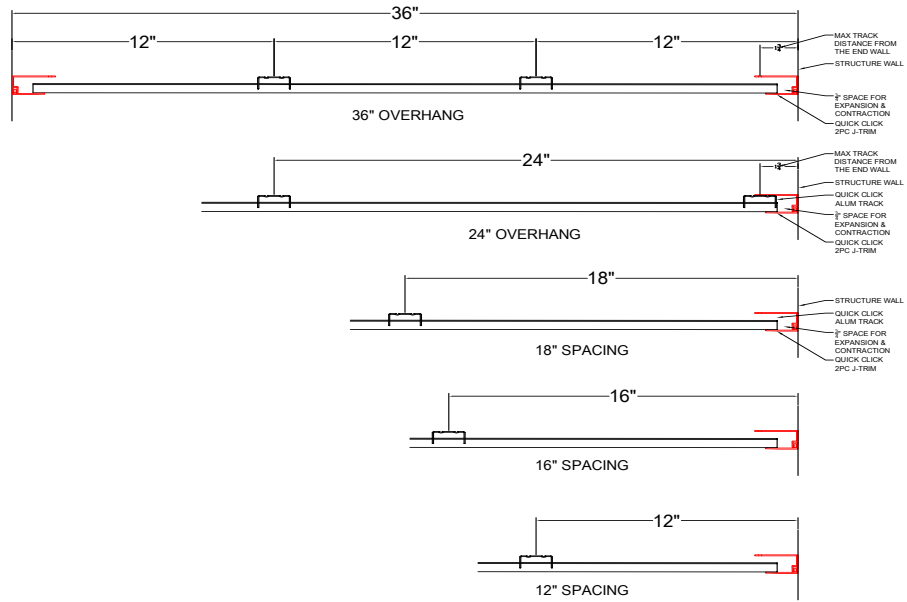
H-TRIM WITH TRACK INSTALLATION
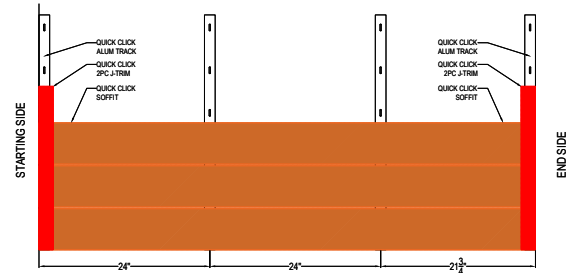
START AND END WITH TRACK INSTALLATION

H-TRIM WITHOUT TRACK INSTALLATION
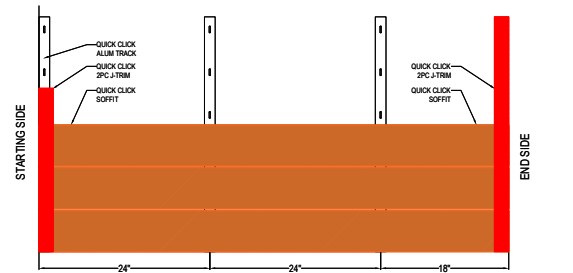
START WITH TRACK AND END WITHOUT TRACK INSTALLATION

CHAMCLAD INTERIOR

WALL, CEILINGS, HORIZONTAL, VERTICAL

INTERIOR WALL AND CEILING CLADDING

4" & 6" V GROOVE/U CHANNEL AND 12" SEAMLESS PANELS

4" Interior Wall & Ceiling
Panels 3/8"

6" Interior Wall & Ceiling
Panels 3/8"

12" Interior Wall & Ceiling
Panels Seamless Panel 3/8"
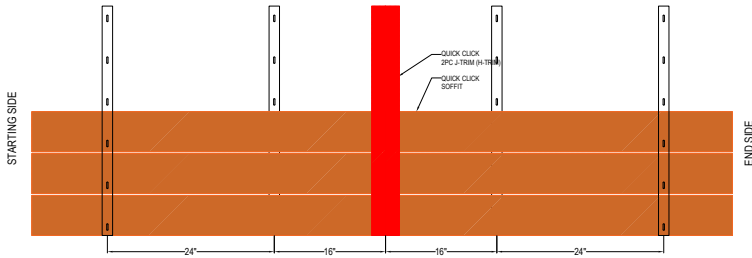
NOTE: 4" & 6" panels available in V-Groove and U-Channel profiles
*6" Classic and Shadowline may be used in interior wall and ceiling applications

Interior Wall and Ceiling PVC Trims

1pc PVC Inside Corner Trim
10', 12', & 20'

2pc 1.5" PVC Outside Corner Trim
12' & 20'
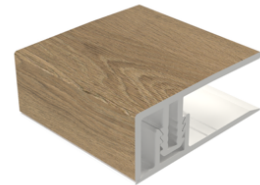
2pc 1.5" PVC J Trim
12' & 20'

1.5" PVC Universal J Trim
12' & 20'

2pc 2" PVC H-Trim
12' & 20'

COLUMN AND BEAM WRAP
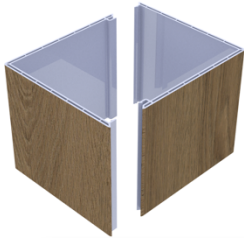
7" 2pc Column Wrap

1" X 4" Architectural Trim
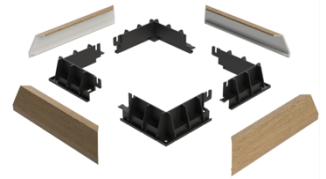
Quick Click Column Cap and Base Trim
Available in 7", 8", 10", and 12"
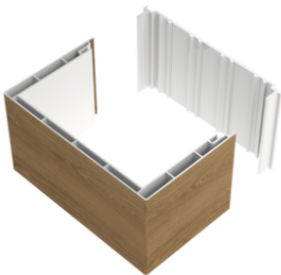
2pc Beam 5.5"x 3.35"
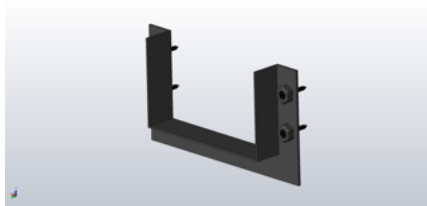
Beam End Bracket

Beam End Cap

4pc Quick Click Column and Beam Wrap
Available in 8", 10", and 12"

HORIZONTAL INTERIOR INSTALLATION

4" & 6" VGroove/UChannel and 12" Seamless Panels (3/8")
(See assembly drawings listings on page 62)

- o ChamClad® Interior Horizontal panels are installed similarly to Exterior Horizonal panels; please refer to Exterior Horizontal Wall Panel Guidelines on pages 21 – 22.

- o Always allow ChamClad® panels and accessories to acclimatize to current temperature conditions before starting the installation. Temperature variations are less on an interior installation.

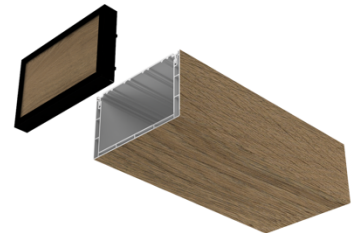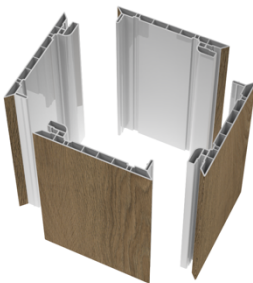- o Verify that the walls and ceiling substrates are even and level across all surfaces. Furring may be required to acquire a consistent surface to attach ChamClad® panels.

- o Establish a level guideline using a chalk line on all wall areas to be covered with ChamClad® wall cladding, where the bottom of the lowest board is to be installed. Depending on the look or finish that is desired, the installer may use a starter strip or a universal J Trim. Since this is an interior wall, no drain holes need be drilled into the bottom of the universal J Trim.

- o Install universal J Trim or 2pc J Trim in areas where ChamClad® wall panels meet other finishes. Also install Universal J Trim or 2pc J Trim at all windows, doors, and other penetrations. It is common practice to fasten interior wall panels at 16- 24" O.C. Every few courses of wall panels, the installer should check for horizontal alignment and level.

- o Where the interior wall meets the ceiling, and depending on design requirements, use the ChamClad® 2pc J Trim. Install all trim bases first and once ChamClad® wall panels are installed to the top course, finish off by installing the top caps.

- o When joining ChamClad® interior wall panels, use 2pc H-Trim to connect panels. It is recommended to align the ChamClad® 2pc H-Trim with other trim elements on the wall.

- o On Interior applications, fasten trims (12-16" O.C.) and panels (16–24" O.C.) using ChamClad® universal screws. Panels must be attached to structural framing members.

DO NOT USE STAPLERS/PNEUMATIC STAPLERS FOR INTERIOR OR EXTERIOR APPLICATIONS. *DO NOT USE 4" and 6" INTERIOR panels in exterior applications. The use of 4",6" and 12" Interior wall panels (3/8") on an exterior wall will void the warranty.

INTERIOR VERTICAL INSTALLATION

4" & 6" VGroove/UChannel and 12" Seamless Panels

o   ChamClad® Interior Vertical panels are installed similarly to Exterior Vertical panels; please refer to detailed Exterior Vertical Wall Panel Installation on pages 23-25.

o   Always allow ChamClad® panels and accessories to acclimatize to current temperature conditions before starting the installation. Temperature variations are less on an interior installation, but the same requirement applies.

o   Verify that the walls and ceiling substrates are even and level across all surfaces. Furring may be required to acquire a consistent surface to attach ChamClad® panels.

o   Establish a level guideline using a chalk line on all wall areas to be covered with ChamClad® wall cladding, where the bottom of the lowest board is to be installed. As in the Exterior Vertical Installation, use a universal J Trim to start application. As this is an interior wall, no drain holes are required to be drilled into the bottom of the universal J Trim.

o   Commence application with installation of all trims at 12-16" O.C.

o   When covering entire wall area, install starter at mid-point of wall and align VGroove or UChannel to the centre of the wall and work outwards from either side. Install balance of trim bases as per exterior vertical installation and finish wall application with installation of 2pc trim caps. It is good practice to fasten at the highest point of nail slot at the top of each panel to limit downward migration.

o   If applying interior vertical panels as a feature on a portion of a wall area, use full panels (cut to height) in order to maximize overall appearance. Begin with installation of component pieces and base trims; followed by installation of all wall panels (working left to right) and complete with application of component top caps. Attach panels to structural framing members.

DO NOT USE Electric Staplers/Pneumatic Staplers for INTERIOR APPLICATIONS.
We recommend using Chamclad® Universal Screws but if unavailable use a non-corrosive Low Profile #8 Modified Truss Head Screw 1 ¼".

DO NOT USE 4", 6" and 12" INTERIOR panels (3/8") in exterior wall applications. The use of 4",6" and 12" Interior wall panels (3/8") on an exterior wall will void the warranty.

INTERIOR CEILING INSTALLATION

4" & 6" VGroove/UChannel, 12" Seamless Panels (3/8")
(See assembly drawings listings on page 62)

o ChamClad® interior wall panels may also be used as a ceiling finish; installed similar to ChamClad® Exterior Soffit panels - refer to pages 27-40.

o Always allow ChamClad® panels and accessories to acclimatize to current temperature conditions before starting the installation. Temperature variations are less on an interior installation, but the same requirement applies.

o Verify that ceiling substrates are even and level across all surfaces. Furring may be required to achieve a consistent surface to attach ChamClad® panels. Install furring strips at 12-16" O.C. perpendicular to the joist.

o We recommend all ChamClad® accessories be fastened every 12-16"

o Fasten at each furring strip, which should be 12-16" O.C. Once you have installed a few courses of ChamClad® ceiling panels, check for alignment of the perpendicular or parallel adjacent vertical wall. Where you are placing panels end to end, use H-Trim to finish the joint.

o Install the remaining ChamClad® panels and check for alignment. When using the 2pc J Trim install the top cap onto the base to complete the installation.

Note:

o ChamClad® versatile 4",6" & 12" interior architectural panels are designed for all types and sizes of decorative (non-load bearing) post, beam and column wrap applications. In addition, we offer a 2pc Faux beam wrap which is lightweight and easy to install. Please refer to detailed installation instructions on pages 59-60.

   o 4", 6", and 12" interior 3/8" panels must be used for soffit applications, interior covered deck areas, barrel ceilings, sun porches, interior walls, and ceilings. The use of these panels on an exterior WALL will void the warranty.

ChamClad® 6" Ceiling Panels   (SunBleached Oak)

8" Quick Click Column and Beam in Cinnamon Walnut

CHAMCLAD
COLUMN & BEAM

EXTERIOR & INTERIOR

2pc faux beam Sunbleached Oak

7" 2pc column wrap Sunbleached Oak

COLUMN AND BEAM WRAP INSTALLATION

7" 2pc Classic Column Wrap and 4pc Quick Click Column and Beam Wrap
(See assembly drawings listings on page 62)

INSTALLATION INSTRUCTIONS FOR CHAMCLAD 2PC 7" CLASSIC COLUMN WRAP

1. LOADING
    a. 7" 2pc column wrap is non-structural.

2. DIMENSIONS
    a. Exterior dimensions of the column are 7" x 7".
    b. Internal cleared dimensions of the column are 6" x 6 ½".
    c. Architectural trim dimensions are ¾" x 3 5/8".
    d. Column lengths available in pairs at 8, 10, and 12ft lengths.

3. INSTALLATION
   a. The internal structural support should be straight, square, and within the dimensions specified above.
    b. Cut 2pc columns caps 1/4" shorter than column height requirements to allow for expansion and contraction at the top of the column.
    c. Wrap the 2pc columns around the vertical internal structural support by engaging the arrowhead in one panel into the groove of the second panel. Do this on both ends of the "L" shaped column, using a non-marking rubber mallet to assemble. Ensure a tight wrap around the internal structure to avoid movement and full engagement of the two pieces for a seamless finish.
    d. Connect the column wrap using ChamClad universal screws on two sides at the base, countersinking the screw to be flush with the column face. This will allow for the trim to sit flat and allows movement for expansion and contraction.
        Note:
        If column is loose or has movement around the internal structural support:
        -   Create three collars measuring 6 ½" x 5 ½" around the base, center, and top of the support structure. Install the 2pc column, which will form a tight fit around the collars. This will prevent movement of the 2pc column.
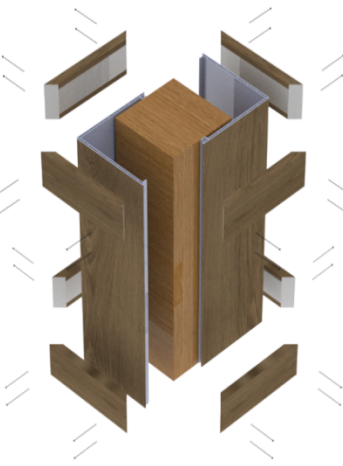
4. If you do not want to trim out columns, use Bradnail instead of ChamClad Universal screw at the base of the column to secure
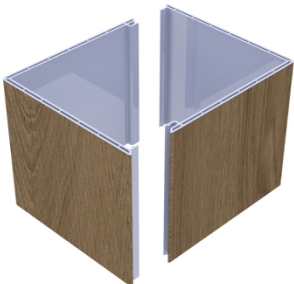
Finishing Options

1. 1" x 4" Architectural Trim

    a.   Chamclad® offers use of architectural trims to finish the ends of the columns.

    b.   Measure and cut architectural trims at 45-degrees. Ensure the trim is pressed firmly against the column when determining the edge of the 45-degree cut.

    c.   Touch up exposed cut edges with touch-up paint. Paint cans or touch up pens available through ChamClad®.

    d.   Apply PL Premium on the back of each cut trim and position along column base or cap.

    e.   Wrap a fastening strap around trims and allow to cure for 24 hrs

    f.   To ensure the trim remains securely in place, finish by inserting a small Bradnail into each piece.

2. ChamClad's Column and Base Trim

    g.   Chamclad® offers Column Cap & Base trim for 7" to finish the base and/or top of the columns.

    h.   Place the column brackets around each corner of the column base and snap bracket together. Ensure they are level, and anchor the bracket to the deck or substrate through the predrilled holes in the corners.

    i.   Touch up exposed cut edges with touch-up paint if required

    j.   Screw the bracket into the column, do not screw in tightly as it can create a gap. Snap on the 4pc trims provided until they click.

INSTALLATION INSTRUCTIONS FOR CHAMCLAD® 4-PIECE QUICK CLICK COLUMN WRAP

1. <u>LOADING</u>
   a. 4pc Quick Click Column wraps are non-structural
   b. Always climatize product 24hrs before installation.

2. DIMENSIONS
   a. Exterior dimensions of the column available are 8" x 8", 10" x 10", 12" x 12" (Mix and match dimensions are also available. e.g. 8" x 10", 10" x 12" etc.) (figure 1 on page 54)
   b. Check Detailed drawings (figure 2 on page 54) for the internal clearance dimensions before ordering.
   c. Columns available in sets of singles or 2pc (4pc to complete 1 Column or Beam) in 10ft and 20ft lengths.

3. <u>INSTALLATION FOR COLUMNS</u>

Note: Available in 8", 10", and 12" face sizes, in 10' or 20' stocked lengths you can mix and match to create custom columns.

   a. The internal structural support should be straight, square, and within the dimensions specified in the detailed drawing.
   b. Pack with dimensional lumber or block top, middle and bottom. This is to keep the column straight.
   c. Start by measuring your column height and cut ChamClad Column wrap to desired length less ¼" in exterior application to allow for expansion and contraction.
   d. Apply 1" of QuadMax silicone at the top and bottom of each corner.
   e. On the ground, snap together 2 of the 4pc into a 'L' shape using a rubber mallet and place around the column. Repeat with the remaining 2pc for the other side. **Always fix the column at the top.**
   f. Connect the column wrap using ChamClad universal screws on all four sides at the base, countersinking the screw to be flush with the column face. This will allow for the trim to sit flat and allows movement for expansion and contraction.

Note: To ensure the column remains straight, always start snapping the pieces together from one side and work towards the other. Avoid starting from the middle.

Creative Solutions!
Our 8", 10", and 12" Quick Click column and beam series system, were designed to offer even more design possibilities for your next project. Whether you're envisioning a simple column, extended privacy walls, or striking beams, our quick installation system makes it all achievable. With sustainability and durability at its core, the only limit is your imagination. Check out the drawings below for design inspiration from the ChamClad team.
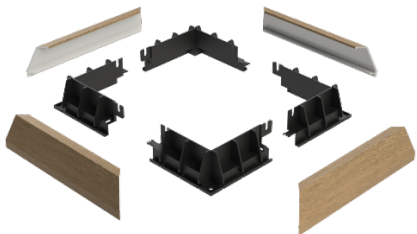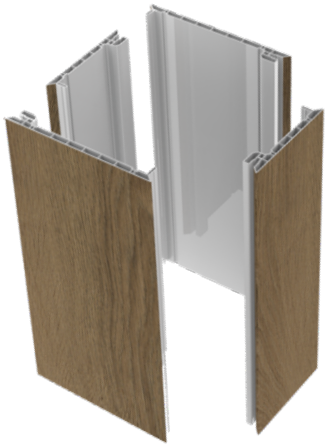
<u>Finishing Options</u>

<u>1.Column 1" X 4" Architectural Trim</u>
a. Chamclad® offers use of architectural trims to finish the ends of the columns.
b. Measure and cut architectural trims at 45-degrees. Ensure the trim is pressed firmly against the column when determining the edge of the 45-degree cut.
c. Touch up exposed cut edges with touch-up paint. Paint cans or touch up pens available through ChamClad®.
d. Apply PL Premium on the back of each cut trim and position along column base or cap. **Do not** apply PL Premium at miter.
e. Wrap a fastening strap around trims and allow to cure for 24 hrs.
f. To ensure the trim remains securely in place, finish by inserting a small Bradnail into each piece

Note: If you do not want to trim out columns, use Bradnail at the base of the column to secure.

<u>2.Column Cap & Base Trim Option</u>
a. Chamclad® offers a Column Cap & Base trim to finish the base and/or top of the columns. Currently available for 8" column.
b. Place the column brackets around each corner of the column base ensuring they are level, and anchor the bracket to the deck or substrate through the predrilled holes in the corners.
c. Touch up exposed cut edges with touch-up paint if required
d. Screw the bracket into the column, do not screw in tightly as it can create a gap. Snap on the 4pc trims provided until they click.

INSTALLATION INSTRUCTIONS FOR CHAMCLAD® QUICK CLICK 4PC BEAM SYSTEM

ChamClad® 4pc Beam System is not load bearing and should not be used as the primary source of weight.

Note: Available in 8", 10", and 12" face sizes, in 10' or 20' stocked lengths you can mix and match to create stunning faux beams.

a. Start by measuring your beam length and cut the ChamClad Beam to the desired length
   Note: In exterior application, cut to desired length less ¼" to allow for expansion and contraction.
b. Snap together 2 of the 4pc into a 'L' shape using a rubber mallet.

c. Fasten preassembled 2pc beam wrap using universal screws every 16-24" along the screw track (figure 3 on page 54)

d. Ensure ChamClad Universal Screws are fastened into a joist or a stud. If no solid backing is available, it must be added before installation.

e. Snap together the final 2 of the 4pcs in place using a rubber mallet

FINISHING

Beam 1" X 4" Architectural Trim

a. Measure & Cut architectural trims at 45-degrees. Ensure the trim is pressed firmly against the beam when determining the edge of the 45-degree cut.

b. Touch up exposed cut edges with touch-up paint. Paint cans or touch up pens available through ChamClad®.

c. Apply PL Premium on the back of each cut trim and position along the beam end where required.

d. Clamp to hold trim in place and allow to cure for 24 hrs

e. To ensure the trim remains securely in place, finish by inserting a small Bradnail into each piece

INSTALLATION INSTRUCTIONS FOR CHAMCLAD® QUICK CLICK 3PC BEAM SYSTEM

Follow the below instructions when a 3pc wrapped look is required:

a. Start by measuring the length of your beam. Cut the ChamClad® beam to the desired length.

Note: In desired length expansion and exterior application, cut to less ¼" to allow for contraction.

DISTANCE FROM END TO END
8" x 8" – 7 7/8"
10" x 10" – 9 7/8"
12" x 12" – 11 7/8"

MAKE SURE BOTH ARE LEVELLED PROPERLY

b. Rip down the 3-inch Quick Click (QC) beam and attach it to the ceiling by countersinking screws on both sides. Ensure the 3-inch QC beams are straight. Use the chart below to measure the correct length to leave between them based on the required width.

c. Make sure the ChamClad universal screws are fastened into a joist or stud. If there is no solid backing, it must be added before installation.

d. Insert one side of the beam as shown below.

e. Snap together the two remaining pieces to form an L shape using a rubber mallet.

f. Attach the L-shaped assembly to the remaining beam along its entire length with a rubber mallet to ensure the beam is properly engaged.

Figure 1. 4pc Column and Beam Mix and Match Options

8" x 10" Beam
Assembly
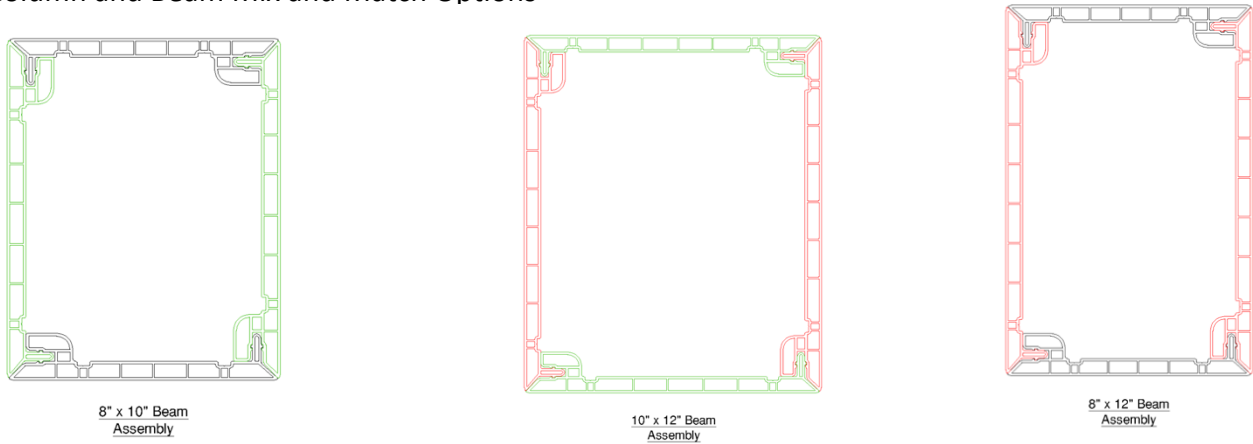
10" x 12" Beam
Assembly

8" x 12" Beam
Assembly

Figure 2. Exterior and Interior Detailed Column and Beam Dimensions

EXTERIOR
8" x 8" COLUMN
NOT   TO   SCALE:
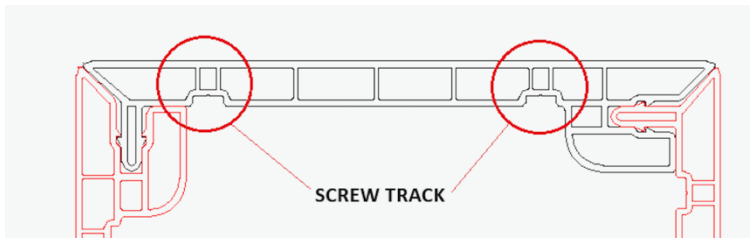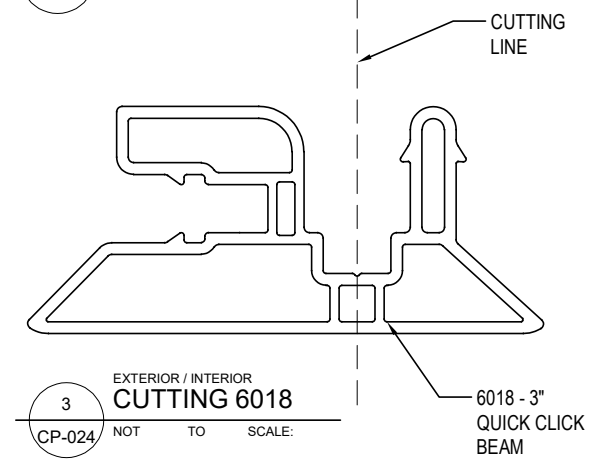
EXTERIOR
10" x 10" COLUMN
NOT   TO   SCALE:

EXTERIOR
12" x 12" COLUMN
NOT   TO   SCALE:
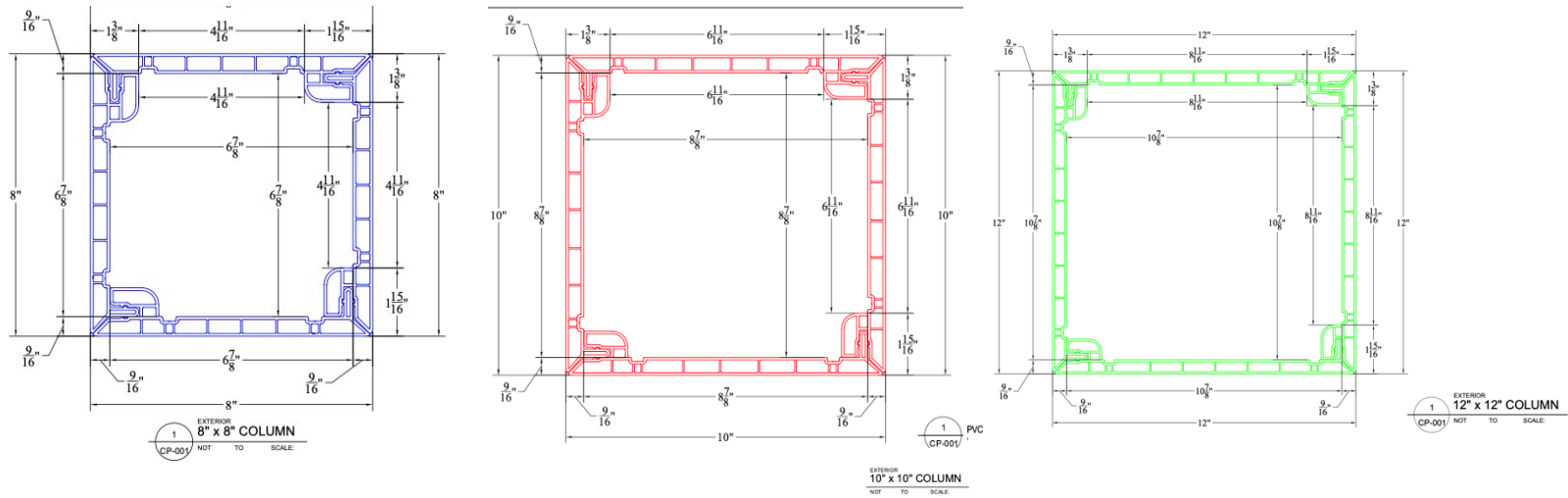
Figure 3. Beam Screw Track

SCREW TRACK

SCREW TRACK

8" x 12" Beam
Assembly
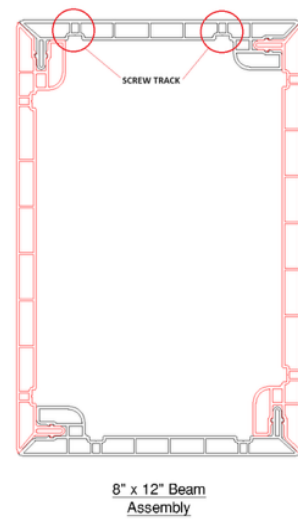
Creative Solutions Drawings for Columns and Beams

USE CHAMCLAD
UNIVERSAL SCREW
#8 1 $\frac{1}{2}$" LOW TRUST
HEAD WITH SHAFT

BORE A HOLE FOR
SCREW LOCATION
SEE DETAIL-A

6018 - 3" QUICK
CLICK
BEAM CUT IN
TWO

4.5" X 8.5"
EXISTING BEAM

5960 - 10" QUICK CLICK
BEAM

5961 - 8" QUICK CLICK
BEAM

HOLE FOR
SCREW TO
GO THROUGH

EXTERIOR / INTERIOR
TYPICAL DETAIL-A
2 | CP-024 | NOT | TO | SCALE:

CUTTING
LINE

EXTERIOR / INTERIOR
CUTTING 6018
3 | CP-024 | NOT | TO | SCALE:

6018 - 3"
QUICK CLICK
BEAM

PART #:
5961 - 8", 5960 - 10", 6018 - 3"

SPECIFICATIONS:
MATERIAL: RECYCLED RIGID PVC
AVAILABLE LENGTHS: 10', 20'

EXTERIOR / INTERIOR
TYPICAL BEAM WRAP DETAIL 1
1 | CP-024 | NOT | TO | SCALE:

MANUFACTURER NOTES:
1. TOLERANCE ON ALL PANEL LENGTHS TO BE ± 0.250".
2. PROFILE LENGTHS MUST BE CUT SQUARE AT BOTH ENDS.
3. PUNCH HOLE LOCATIONS MUST BE WITHIN TOLERANCE.
4. FASTENERS MUST BE CHAMCLAD UNIVERSAL SCREWS OR EQUIVALENT WITH #8 LOW PROFILE
   HEAD, 1 $\frac{1}{2}$" LENGTH, TRUSS HEAD, STAINLESS STEEL OR ZINC COATED WITH $\frac{1}{8}$" THREADLESS
   SHAFT BENEATH SCREW HEAD.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS,
   CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS
   DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT
   MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED
   ACCURATE.

ChamClad
Transforming Spaces
10235-184 Street NW
Edmonton, AB T5S 2J4
PH: (780) 454-4430

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
BEAM & COLUMN SYSTEM	TYPICAL BEAM WRAP DETAIL 1 TYPICAL DETAIL-A CUTTING 6018			SCALE:	NOT TO SCALE	
				PREPARED BY:	RFE	DATE START: 09/04/24
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FINISHED: 09/04/24
HORIZONTAL				DESIGNED BY:	RFE	APPROVED BY: A.G.
				SHEET NUMBER		CP-024

55

USE CHAMCLAD
UNIVERSAL SCREW
#8 1$\frac{1}{2}$" LOW TRUST
HEAD WITH SHAFT

BORE A HOLE FOR
SCREW LOCATION
SEE DETAIL-A

6018 - 3" QUICK
CLICK
BEAM CUT IN
TWO

4.5" X 8.5"
EXISTING BEAM

5960 - 10" QUICK CLICK
BEAM

5961 - 8" QUICK CLICK
BEAM

WOOD FILLER
IF NEEDED

EXTERIOR / INTERIOR
TYPICAL DETAIL-A
2   CP-025   NOT   TO   SCALE:

HOLE FOR
SCREW TO
GO THROUGH

CUTTING
LINE

EXTERIOR / INTERIOR
CUTTING 6018
3   CP-025   NOT   TO   SCALE:

6018 - 3"
QUICK CLICK
BEAM

PART #:
5961 - 8", 5960 - 10", 6018 - 3"

SPECIFICATIONS:
MATERIAL: RECYCLED RIGID PVC
AVAILABLE LENGTHS: 10', 20'

EXTERIOR / INTERIOR
TYPICAL BEAM WRAP DETAIL 2
1   CP-025   NOT   TO   SCALE:

MANUFACTURER NOTES:
1. TOLERANCE ON ALL PANEL LENGTHS TO BE ± 0.250".
2. PROFILE LENGTHS MUST BE CUT SQUARE AT BOTH ENDS.
3. PUNCH HOLE LOCATIONS MUST BE WITHIN TOLERANCE.
4. FASTENERS MUST BE CHAMCLAD UNIVERSAL SCREWS OR EQUIVALENT WITH #8 LOW PROFILE HEAD, 1$\frac{1}{2}$" LENGTH, TRUSS HEAD, STAINLESS STEEL OR ZINC COATED WITH $\frac{1}{8}$" THREADLESS SHAFT BENEATH SCREW HEAD.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
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| ChamClad Transforming Spaces 10235-184 Street NW Edmonton, AB T5S 2J4 PH: (780) 454-4430	INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
	BEAM & COLUMN SYSTEM	TYPICAL BEAM WRAP DETAIL 2 TYPICAL DETAIL-A CUTTING 6018			SCALE:	NOT TO SCALE		
					PREPARED BY:	RFE	DATE START:	09/04/24
	INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	09/04/24
	HORIZONTAL				DESIGNED BY:	RFE	APPROVED BY:	A.G.
					SHEET NUMBER		CP-025	

EXISTING
6"x6" COLUMN

REAR BEAM
PANEL MITER
CONNECTION

3" ANGLE BAR GLUED
WITH PL PREMIUM
ADHESIVE TO THE BACK
OF REAR PANEL

3" ANGLE BAR GLUED
WITH PL PREMIUM
ADHESIVE TO THE
BOTTOM PANEL &
SCREWED TO THE
COLUMN

DETAIL - A

FRONT BEAM
PANEL MITER
CONNECTION

BOTTOM
BEAM PANEL
WITH COLUMN
CUT OUT

PLAN VIEW

FRONT BEAM
PANEL MITER
CONNECTION

FRONT BEAM
PANEL MITER
CONNECTION

FRONT BEAM
PANEL MITER
CONNECTION

BOTTOM VIEW

3" ANGLE BAR GLUED
WITH PL PREMIUM
ADHESIVE TO THE BACK
OF FRONT PANEL

EXISTING
6"x6" COLUMN

3" ANGLE BAR GLUED
WITH PL PREMIUM
ADHESIVE TO THE
BOTTOM PANEL &
SCREWED TO THE
COLUMN

DETAIL - B

REAR BEAM
PANEL MITER
CONNECTION

REAR BEAM
PANEL MITER
CONNECTION

BOTTOM BEAM PANEL
MITER CONNECTION
WITH COLUMN CUT OUT

BOTTOM
BEAM PANEL
WITH COLUMN
CUT OUT

3" ANGLE BAR GLUED
WITH PL PREMIUM
ADHESIVE TO THE BACK
OF REAR PANEL

DETAIL - C

PART #:
5961 - 8", 5960 - 10", 5953 - 12"

SPECIFICATIONS:
MATERIAL: RECYCLED RIGID PVC
AVAILABLE LENGTHS: 10', 20'

MANUFACTURER NOTES:
1.   TOLERANCE ON ALL PANEL LENGTHS TO BE ± 0.250".
2.   PROFILE LENGTHS MUST BE CUT SQUARE AT BOTH ENDS.
3.   PUNCH HOLE LOCATIONS MUST BE WITHIN TOLERANCE.
4.   FASTENERS MUST BE CHAMCLAD UNIVERSAL SCREWS OR EQUIVALENT WITH #8 LOW PROFILE
     HEAD, $1\frac{1}{2}$" LENGTH, TRUSS HEAD, STAINLESS STEEL OR ZINC COATED WITH $\frac{1}{8}$" THREADLESS
     SHAFT BENEATH SCREW HEAD.

EXTERIOR / INTERIOR
TYPICAL L - BEAM WRAP DETAIL
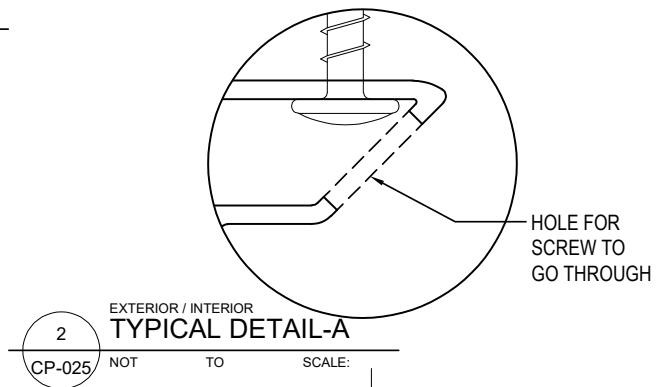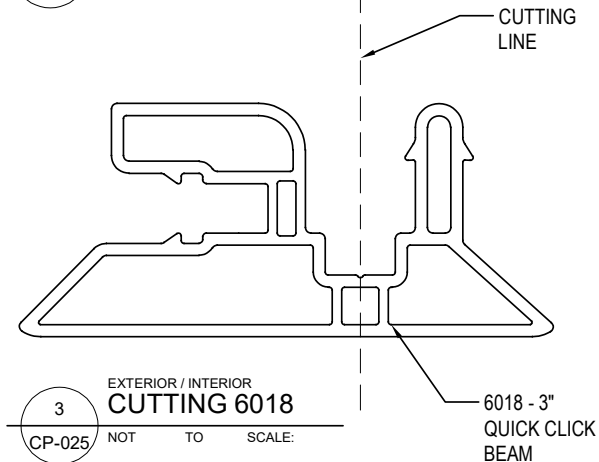
①
CP-026   NOT   TO   SCALE:

NOTES:
1.   INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2.   DO NOT SCALE DRAWING.
3.   THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS,
     CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS
     DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4.   ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT
     MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED
     ACCURATE.

ChamClad
Transforming Spaces

10235-184 Street NW
Edmonton, AB T5S 2J4
PH: (780) 454-4430

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION				
BEAM & COLUMN SYSTEM	TYPICAL L - BEAM WRAP DETAIL			SCALE:	NOT TO SCALE			
	DETAIL - A			PREPARED BY:	RFE	DATE START:	09/04/24	
	DETAIL - B			DRAWN BY:	RFE	DATE FNISHED:	09/04/24	
INSTALLATION PROCESS	DETAIL - C			DESIGNED BY:	RFE	APPROVED BY:	A.G.	
HORIZONTAL	PLAN VIEW			SHEET NUMBER		CP-026		
	BOTTOM VIEW							

57

5960- 10" COLUMN & BEAM

PROPOSED 0701 CUT TO $\frac{3}{4}$" x 1" (NEW $\frac{3}{4}$" x 1" TRIM WILL BE AVAILABLE 2025)

5961- 8" COLUMN & BEAM

0701 BASE TRIM (OPTIONAL)

5952 COLUMN CAP (OPTIONAL)

REAR BEAM PANEL MITER CONNECTION

5960- 10" COLUMN & BEAM

FRONT BEAM PANEL MITER CONNECTION

PROPOSED 0701 CUT TO $\frac{3}{4}$" x 1" (NEW $\frac{3}{4}$" x 1" TRIM WILL BE AVAILABLE 2025)

5961- 8" COLUMN & BEAM

ELEVATION

EXTERIOR / INTERIOR

TYPICAL L - BEAM WRAP WITH END COLUMN SUPPORT

1 / CP-027   NOT   TO   SCALE:

PART #:
5961 - 8", 5960 - 10", 5953 - 12"

SPECIFICATIONS:
MATERIAL: RECYCLED RIGID PVC
AVAILABLE LENGTHS: 10', 20'

MANUFACTURER NOTES:
1. TOLERANCE ON ALL PANEL LENGTHS TO BE ± 0.250".
2. PROFILE LENGTHS MUST BE CUT SQUARE AT BOTH ENDS.
3. PUNCH HOLE LOCATIONS MUST BE WITHIN TOLERANCE.
4. FASTENERS MUST BE CHAMCLAD UNIVERSAL SCREWS OR EQUIVALENT WITH #8 LOW PROFILE HEAD, 1 $\frac{1}{2}$" LENGTH, TRUSS HEAD, STAINLESS STEEL OR ZINC COATED WITH $\frac{1}{8}$" THREADLESS SHAFT BENEATH SCREW HEAD.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

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| INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
BEAM & COLUMN SYSTEM	TYPICAL L - BEAM WRAP WITH END COLUMN SUPPORT ELEVATION			SCALE:	NOT TO SCALE	
				PREPARED BY: RFE	DATE START:	09/04/24
INSTALLATION PROCESS				DRAWN BY: RFE	DATE FINISHED:	09/04/24
HORIZONTAL				DESIGNED BY: RFE	APPROVED BY:	A.G.
				SHEET NUMBER	CP-027	

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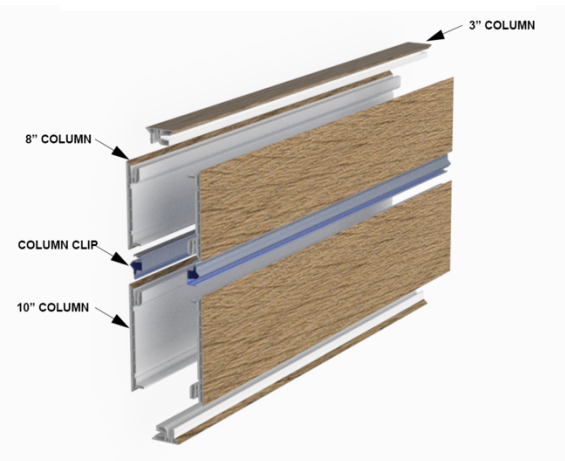# 3" Quick Click Column and Beam Coming Soon!

Privacy Wall Coming Soon!
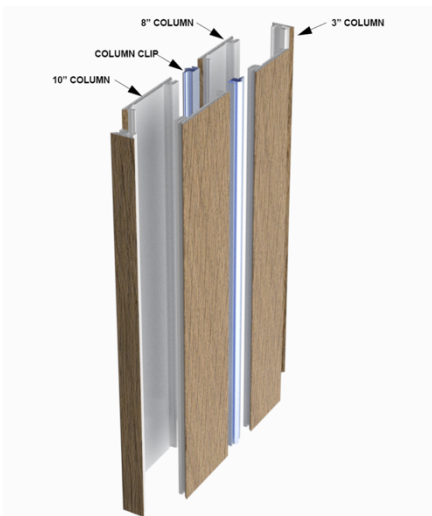
Privacy Wall Vertical Installation

Privacy Wall Vertical Finished View

Privacy Wall Horizontal Installation

Privacy Wall Horizontal Finished View

2PC FAUX BEAM INSTALLATION

1. LOADING
   - ChamClad® 2pc Beam System is not load bearing and should not be used as primary source of weight support.
   - Internal Weight Capacity of Beam = 24.11 kg/m (16.17 lbs/ft) (equally distributed weight). o Weight of Beam and Adapter = 1.84 kg/m (1.23 lbs/ft)

2. DIMENSIONS
   - Exterior dimensions of the beam are 5-1/2" x 3-3/8"
   - Internal cleared dimensions of the column are 4 3⁄4" x 3".
   - Beam cap and Adapter lengths available in pairs at 10ft, 16ft, and 20ft lengths.

3. PACKAGING
   - Beam cap and Adapter will be packaged together in vented white bags, one set per bag.

4. INSTALLATION OF 2PC FAUX BEAM
   - ChamClad ® 2pc beam is compatible for interior applications.
   - Allow 2pc beam system to climatize to installation temperatures prior to cutting. Measure and mark beam length using a square edge.
   - If fitting against an angled wall or ceiling, a T-bevel may be helpful to determine the cut angle.
   - Use a fine-toothed circular saw to cut beam cap and adapter. Ensure equal lengths of both adapter and beam are cut.
   - Mark ceiling with a chalk line to ensure a straight installation of the beam adapter.
   - Fasten beam adapter using ChamClad® universal screws every 16-24". Ensure fasteners are fastened into a joist or a stud.
   - Add ChamClad® beam bracket along wall to close any spacing between wall and beam good for renovation (2 per pack plus screws, #8 1 ½" flat quadrex course thread plated black zinc) 8 per bag.
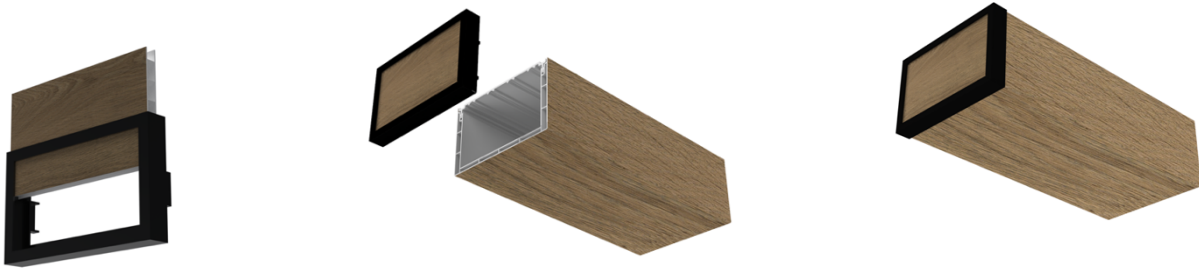

UNASSEMBLED

ASSEMBLED
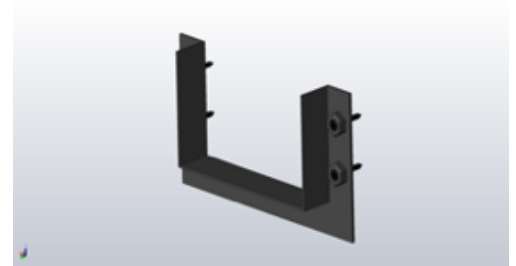
BEAM END BRACKET

5.   FINISHING

Beam End Cap Option

   a. Trim the supplied 3/8" panel to 5 ½" X 3 ¼" (You may also use a matching 3/8" panel from the job).
   b. Slide the panel into the Beam Cap ensuring the panel is to the bottom of the cap and no panel is exposed above the trim.
   c. Add a small dab of silicone into the cavity of the beam on 2 sides.
   d. Fit the cap onto the beam.

BEAM END CAP

ASSEMBLY DRAWINGS

HORIZONTAL EXTERIOR
- see drawings CD.3 & CD.5 (pages 63 & 64)

VERTICAL EXTERIOR
- see drawings CD.10-A & CD.10-B (pages 65 & 66)

SOFFIT DETAILS
- see drawing CD.15 (page 67)

INTERIOR HORIZONTAL
- see drawings CD.5 (page 64)

INTERIOR CEILING
- see drawing CD.13 (page 78)

COLUMNS & BEAMS USING CHAMCLAD CLASSIC OR SHADOWLINE PANELS
- see drawings CD.19, CD20, & CD.16 (pages 68-70)

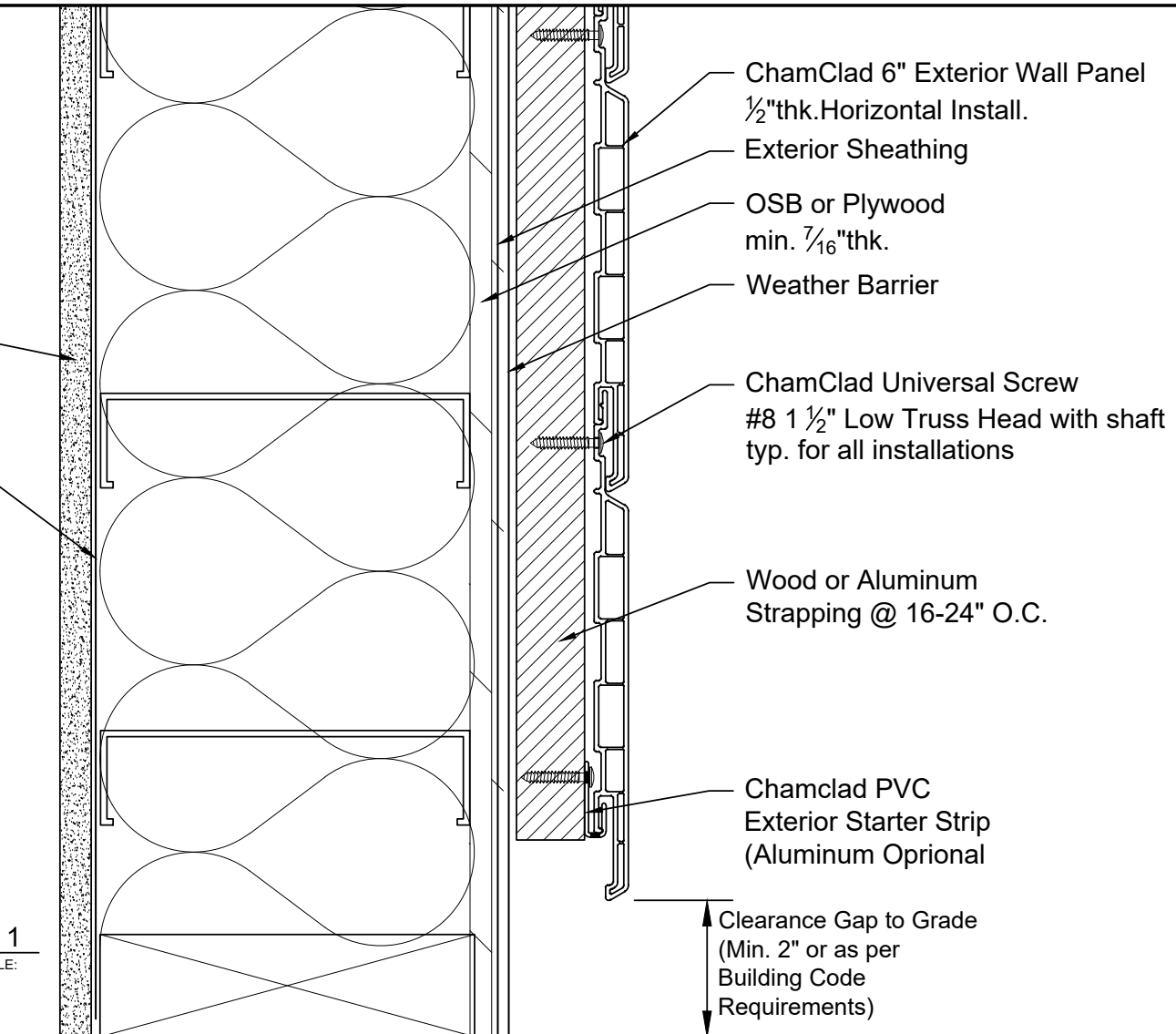7" 2PC COLUMN WRAP SYSTEM
- see drawing CD.27 & CD.28 (pages 71 & 76)

4PC QUICK CLICK COLUMN AND BEAM SERIES
- see drawings CD.29, CD.30, CD.31 & CD.32 (pages 72-75)

2PC FAUX BEAM SYSTEM
- see drawing CD.18 (page 77)

ChamClad 6" Exterior Wall Panel
½"thk.Horizontal Install.

Exterior Sheathing

OSB or Plywood
min. $\frac{7}{16}$"thk.

Weather Barrier

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

Wood or Aluminum
Strapping @ 16-24" O.C.

Chamclad PVC
Exterior Starter Strip
(Aluminum Oprional

Clearance Gap to Grade
(Min. 2" or as per
Building Code
Requirements)

Drywall

Vapour Barrier

CHAMCLAD WALL SYSTEM

WALL FLOOR DETAIL 1

1
CD-3   NOT   TO   SCALE:

SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
WALL FLOOR DETAIL 1	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN		
			PREPARED BY:	RFE	DATE START:	11/08/23
			DRAWN BY:	RFE	DATE FNISHED:	11/08/23
			DESIGNED BY:	RFE	APPROVED BY:	A.G.
			SHEET NUMBER		CD-3	

⅛" Clearance Gap

¼" Clearance Gap

Chamclad 12" Seamless
Interior Wall Panel ⅜" thk.
Horizontal install

Chamclad 2pc.
2" Aluminum J-Trim

Wood or Aluminum
Strapping @ 16-24" O.C.

Drywall

Vapour Barrier

ChamClad 6" Exterior Wall Panel
½"thk. Horizontal install.

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

Exterior Sheating

Weather Barrier

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

CHAMCLAD WALL SYSTEM
1 | WALL HEAD DETAIL
CD-5 | NOT   TO   SCALE:

ChamClad 10235-184 Street NW Edmonton, AB T5S 2J4 PH: (780) 454-4430	INSTALLATION PROGRAM		SHEET CONTENT		REVISIONS	DATE	DRAWING INFORMATION			
	CHAMCLAD WALL SYSTEM		WALL HEAD DETAIL		UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN		
							PREPARED BY:	RFE	DATE START:	11/08/23
	INSTALLATION PROCESS						DRAWN BY:	RFE	DATE FNISHED:	11/08/23
	HORIZONTAL INSTALL ON RAINSCREEN ASSEMBLY						DESIGNED BY:	RFE	APPROVED BY:	A.G.
							SHEET NUMBER		CD-5	

64

DETAIL - A

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

1.875"
CRITICAL
DIMENSION

Chamclad PVC Exterior Starter
Strip, Install starting 1" above
bottom of J-Trim

DETAIL - B

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

Chamclad 6" Classic
Wall Panel, Vertical Install,
Trim to fit

Chamclad 2pc 1.5"
Outside Corner Trim,
or option to use 2pc. 2"
Alum Outside Corner Trim

Chamclad
Starter Strip

Insulation

Chamclad 6" Classic
Wall Panel, Vertical Install,
Trim to fit

See DETAIL - B

Chamclad 2pc 1.5"
Outside Corner Trim,
or option to use 2pc. 2"
Alum Outside Corner Trim

1x2 Rain Screen Strapping
Structural / Treated Wood or
Z-Bar Aluminum
12" O.C. Diagonal Install

See DETAIL - A

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

Vapour Barrier

Exterior Sheeting

BALANCED WALL

Same
Width

CHAMCLAD WALL SYSTEM
BALANCED WALL FOR
6" CLASSIC V-GROOVE ONLY

1
CD-10A   NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD WALL SYSTEM	WALL CENTER DETAIL FOR 6" CLASSIC V-GROOVE ONLY	UPDATE TO LATEST PRODUCT DESCRIPTION	10/15/24	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/10/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/10/23
VERTICAL INSTALLATION				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-10A	

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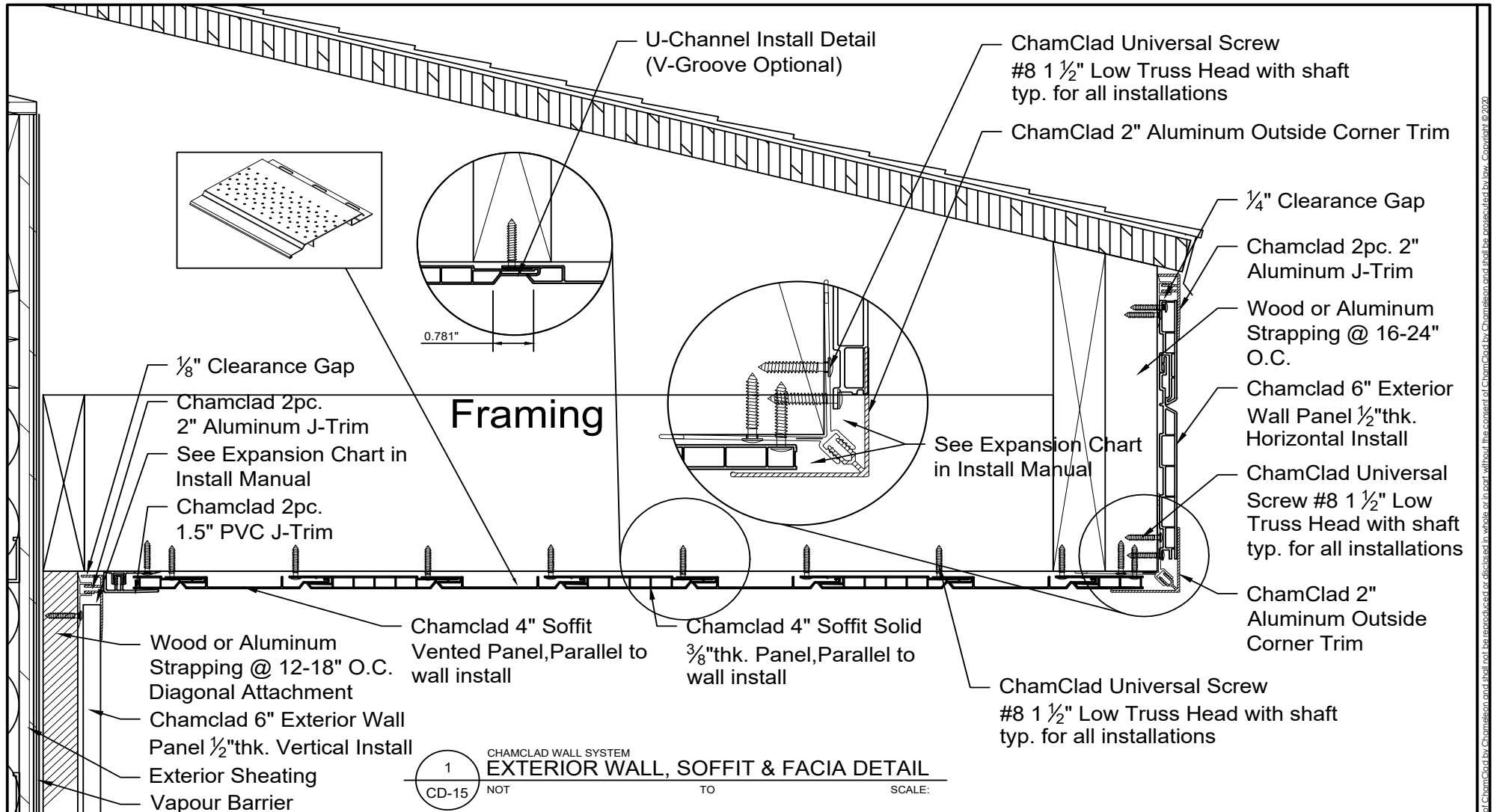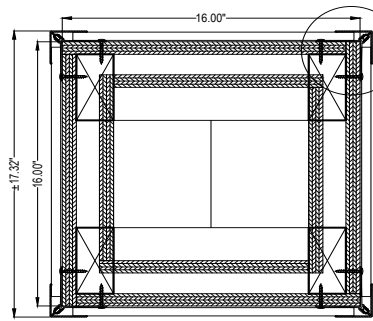
65

Wall Center line

Chamclad 6" Classic Wall Panel on Center

DETAIL - A

Chamclad 6" Classic Wall Panel, Vertical Install, Trim to fit

4.52"

ChamClad 2pc 2" Alum J-Trim

DETAIL - B

End Panel measurements should be same

BALANCED WALL

Same Width

Insulation

C L

Window

Air Space

Air Space

4.52"

See DETAIL - A

1x2 Rain Screen Strapping Structural / Treated Wood or Z-Bar Aluminum 12" O.C. Diagonal Install

4.52"

Chamclad 6" Classic Wall Panel, Vertical Install, Trim to fit

See DETAIL - B

ChamClad 2pc 2" Alum J-Trim

ChamClad Universal Screw #8 1 ½" Low Truss Head with shaft typ. for all installations

Vapour Barrier

Exterior Sheeting

CHAMCLAD WALL SYSTEM
BALANCED WALL DETAIL FOR 6" CLASSIC U-CHANNEL & SHADOWLINE SERIES

1
CD-10B

NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD WALL SYSTEM	WALL CENTER DETAIL FOR 6" CLASSIC U-GROOVE & SHADOWLINE SERIES	UPDATE TO LATEST PRODUCT DESCRIPTION	10/15/24	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/10/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/10/23
VERTICAL INSTALLATION				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-10B	

ChamClad
Transforming Spaces
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PH: (780) 454-4430

66

U-Channel Install Detail
(V-Groove Optional)

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

ChamClad 2" Aluminum Outside Corner Trim

0.781"

¼" Clearance Gap

Chamclad 2pc. 2"
Aluminum J-Trim

Wood or Aluminum
Strapping @ 16-24"
O.C.

⅛" Clearance Gap

Chamclad 2pc.
2" Aluminum J-Trim

Chamclad 6" Exterior
Wall Panel ½"thk.
Horizontal Install

See Expansion Chart in
Install Manual

Framing

See Expansion Chart
in Install Manual

ChamClad Universal
Screw #8 1 ½" Low
Truss Head with shaft
typ. for all installations

Chamclad 2pc.
1.5" PVC J-Trim

ChamClad 2"
Aluminum Outside
Corner Trim

Wood or Aluminum
Strapping @ 12-18" O.C.
Diagonal Attachment

Chamclad 4" Soffit
Vented Panel,Parallel to
wall install

Chamclad 4" Soffit Solid
⅜"thk. Panel,Parallel to
wall install

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

Chamclad 6" Exterior Wall
Panel ½"thk. Vertical Install

Exterior Sheating

Vapour Barrier

1	CHAMCLAD WALL SYSTEM
CD-15	EXTERIOR WALL, SOFFIT & FACIA DETAIL

NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD WALL SYSTEM	EXTERIOR WALL, SOFFIT & FACIA DETAIL	UPDATE TO LATEST PRODUCT DESCRIPTION	11/10/23	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/10/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/10/23
4" SOFFIT PANEL VENTED, FACIA & EXTERIOR WALL PANEL ASSEMBLY				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-15	

ChamClad
Transforming Spaces

10235-184 Street NW
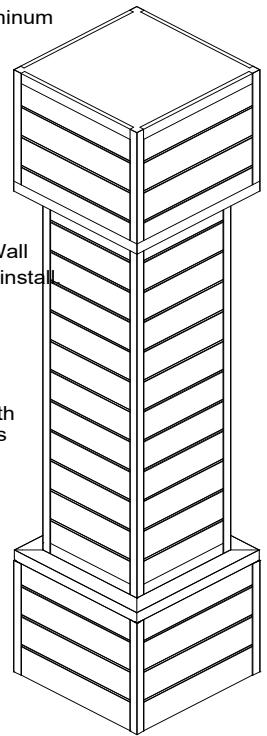Edmonton, AB T5S 2J4
PH: (780) 454-4430

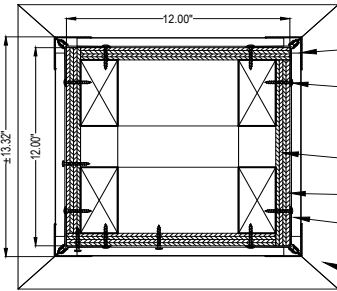## SECTION C-C

ChamClad 2pc. 2" Aluminum Outside Corner Trim

¼" Clearanc Gap (see Expansion Gap Chart in Install Manual)

ChamClad 6" Exterior Wall Panel ½"thk. Horizontal install

ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations

SECTION B-B

ChamClad 2pc. 2" Aluminum Outside Corner Trim

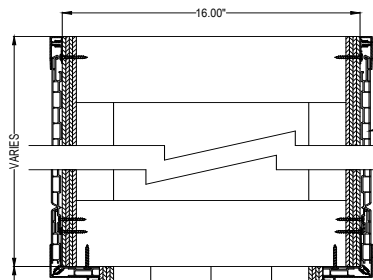ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations

Exterior Sheating

Vapour Barrier

ChamClad 6" Wall Panel ½"thk. trim to fit, Horizontal install

ChamClad 2pc. 2" Aluminum Outside Corner Trim, mitered corner top

ISOMETRIC VIEW

ChamClad 2pc. 2" Aluminum J-Trim

ChamClad 6" Wall Panel ½"thk. trim to fit, Horizontal install

ChamClad 2pc. 2" Aluminum Outside Corner Trim

Exterior Sheating

Vapour Barrier

ChamClad 6" Wall Panel ½"thk. trim to fit, Horizontal install

ChamClad 2pc. 2" Aluminum J-Trim

ChamClad 2pc. 2"Aluminum Outside Corner Trim, mitered corner top
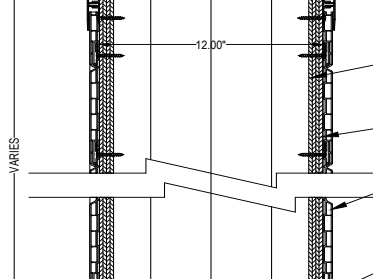
ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations

ChamClad PVC or Aluminum Starter Strip.
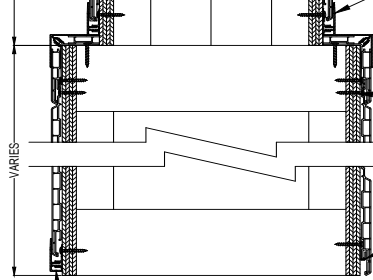
SECTION A-A

ChamClad 2pc. 2" Aluminum J-Trim (OPTIONAL)
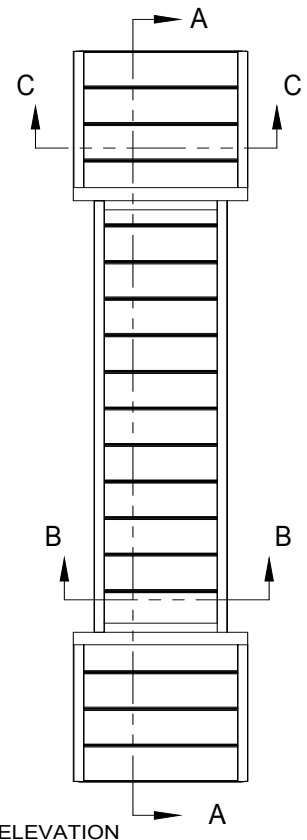
ELEVATION

CHAMCLAD COLUMN SYSTEM
6" WALL PANELCOLUMN HORIZONTAL ASSEMBLY

1
CD-19 · NOT · TO · SCALE:

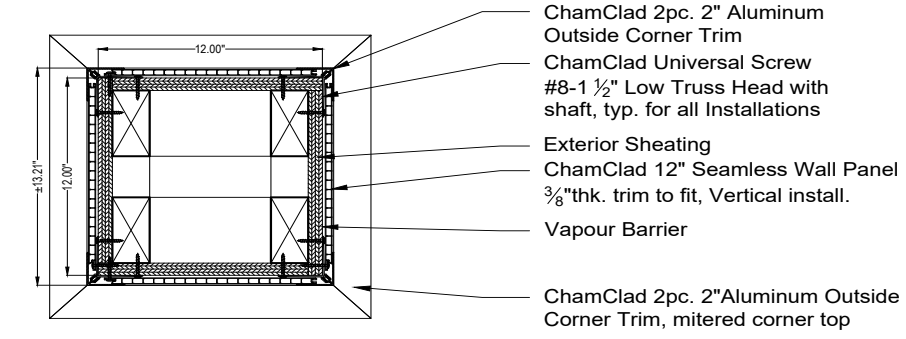| INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD COLUMN SYSTEM	6" WALL PANEL COLUMN HORIZONTAL ASSEMBLY	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/12/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/12/23
HORIZONTAL INSTALLATION				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-19	

68

SECTION C-C

16.00"
16.00"
±17.21"

ChamClad 2pc. 2" Aluminum Outside Corner Trim

¼" Clearance Gap (see Expansion Gap Chart in Install Manual)

ChamClad 12" Seamless Wall Panel ⅜"thk. trim to fit, Vertical install.

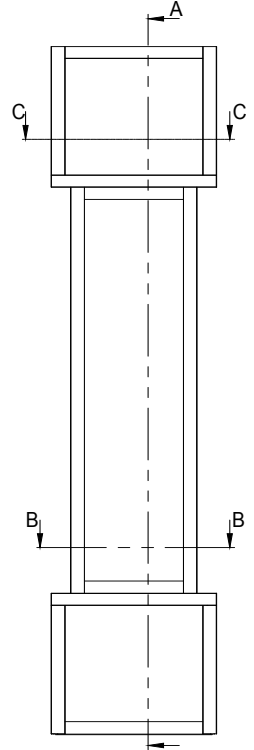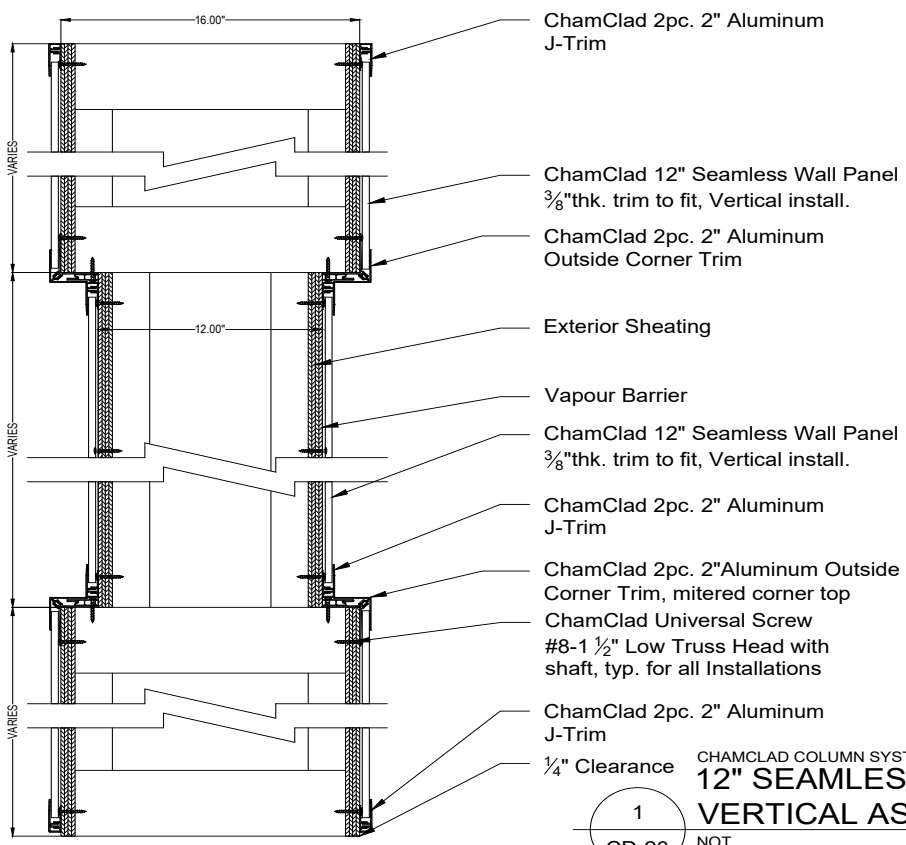ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations
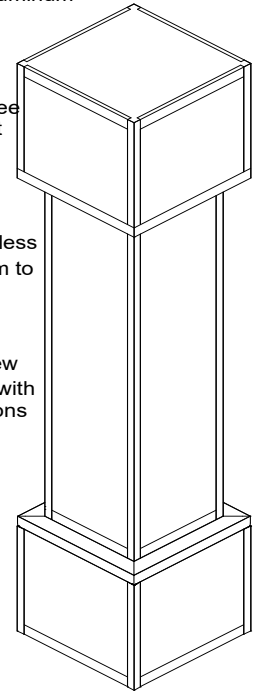
ISOMETRIC VIEW

SECTION B-B

12.00"
12.00"
±13.21"

ChamClad 2pc. 2" Aluminum Outside Corner Trim

ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations

Exterior Sheating

ChamClad 12" Seamless Wall Panel ⅜"thk. trim to fit, Vertical install.

Vapour Barrier

ChamClad 2pc. 2"Aluminum Outside Corner Trim, mitered corner top

SECTION A-A

16.00"
VARIES
12.00"
VARIES
VARIES

ChamClad 2pc. 2" Aluminum J-Trim

ChamClad 12" Seamless Wall Panel ⅜"thk. trim to fit, Vertical install.

ChamClad 2pc. 2" Aluminum Outside Corner Trim

Exterior Sheating

Vapour Barrier

ChamClad 12" Seamless Wall Panel ⅜"thk. trim to fit, Vertical install.

ChamClad 2pc. 2" Aluminum J-Trim

ChamClad 2pc. 2"Aluminum Outside Corner Trim, mitered corner top

ChamClad Universal Screw #8-1 ½" Low Truss Head with shaft, typ. for all Installations
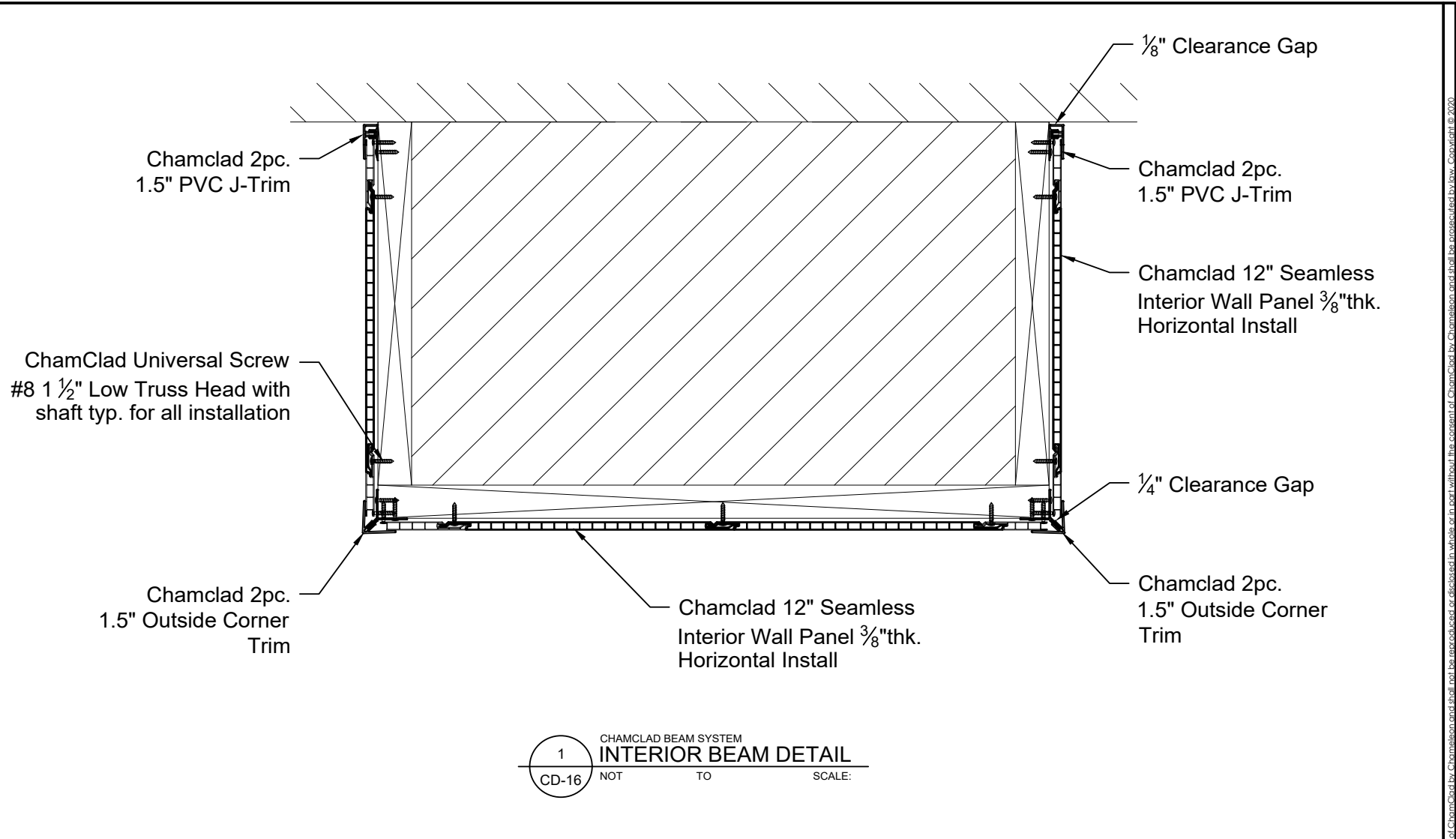
ChamClad 2pc. 2" Aluminum J-Trim

¼" Clearance

ELEVATION

A
C   C
B   B
A

CHAMCLAD COLUMN SYSTEM

12" SEAMLESS WALL PANEL COLUMN VERTICAL ASSEMBLY INT/EXT

1
CD-20

NOT   TO   SCALE:

	INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
	CHAMCLAD COLUMN SYSTEM	12" SEAMLESS WALL PANEL COLUMN VERTICAL ASSEMBLY INT/EXT	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN	
					PREPARED BY: RFE	DATE START:	11/12/23
	INSTALLATION PROCESS				DRAWN BY: RFE	DATE FNISHED:	11/12/23
	VERTICAL INSTALLATION				DESIGNED BY: RFE	APPROVED BY:	A.G.
					SHEET NUMBER	CD-20	

10235-184 Street NW
Edmonton, AB T5S 2J4
PH: (780) 454-4430

⅛" Clearance Gap

Chamclad 2pc.
1.5" PVC J-Trim

Chamclad 2pc.
1.5" PVC J-Trim

Chamclad 12" Seamless
Interior Wall Panel ⅜"thk.
Horizontal Install

ChamClad Universal Screw
#8 1 ½" Low Truss Head with
shaft typ. for all installation

¼" Clearance Gap

Chamclad 2pc.
1.5" Outside Corner
Trim

Chamclad 12" Seamless
Interior Wall Panel ⅜"thk.
Horizontal Install

Chamclad 2pc.
1.5" Outside Corner
Trim

CHAMCLAD BEAM SYSTEM
INTERIOR BEAM DETAIL

1

CD-16   NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD BEAM SYSTEM	CEILING BEAM DETAIL	UPDATE TO LATEST PRODUCT DESCRIPTION	11/10/23	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/10/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/10/23
12" SEAMLESS INTERIOR WALL PANEL AS BEAM ASSEMBLY				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-16	

7.00"

ChamClad 2pc. 7"
Double Wall
Column

6.50"

6.50"

7.00"

6.25"

COLUMN SNAP ASSEMBLY

COLUMN PROFILE

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

COLUMN WITH 2"X6" WOOD
FRAME (OPTION 1)

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

1 ½" Brad Nail

ISOMETRIC VIEW

1" x 4" PVC Architectural
Trim miter cut corner
connection
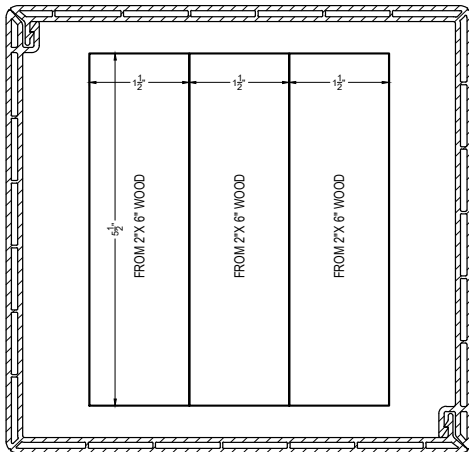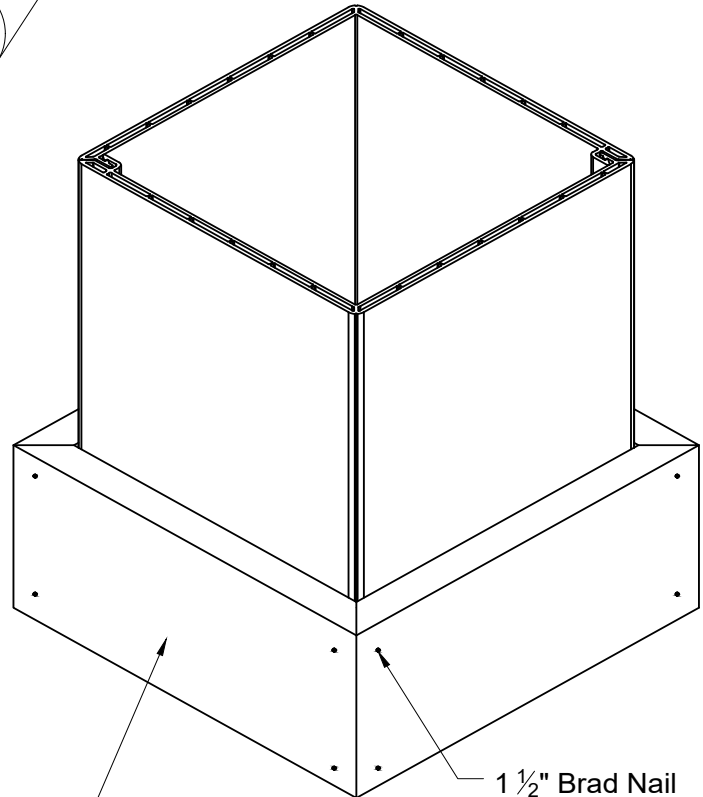
If required use touch up pen on
architectural trim mitre cuts

CHAMCLAD COLUMN SYSTEM
2PC 7" DOUBLE WALL COLUMN ASSEMBLY
WITH 1"X4" ARCHITECTURAL TRIM

COLUMN WITH 2"X6" WOOD
FRAME (OPTION 2)

| 1 | NOT | TO | SCALE: |

CD-27

ChamClad	INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
Transforming Spaces	CHAMCLAD COLUMN SYSTEM	2PC 7" DOUBLE WALL COLUMN ASSEMBLY WITH 1"X4" ARCHITECTURAL TRIM	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN	
					PREPARED BY:	RFE DATE START:	11/15/23
10235-184 Street NW	INSTALLATION PROCESS				DRAWN BY:	RFE DATE FNISHED:	11/15/23
Edmonton, AB T5S 2J4	COLUMN WRAP				DESIGNED BY:	RFE APPROVED BY:	A.G.
PH: (780) 454-4430					SHEET NUMBER		CD-27

GAP BETWEEN
CEILING & COLUMN
MAX OF $\frac{1}{4}$", ROOM
ROOM FOR EXPANSION

GAP BETWEEN
CEILING & COLUMN
MAX OF $\frac{1}{4}$", ROOM FOR
EXPANSION

FINISHED CEILING LINE

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

WOOD FILLER,RING AROUND
ON BOTTOM, MIDDLE AND
TOP OF COLUMN POST

WOODEN POST
STRUCTURE

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

WOODEN POST
STRUCTURE

WOOD FILLER,RING AROUND
ON BOTTOM, MIDDLE AND
TOP OF COLUMN POST

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

COUNTER SUNK WOOD SCREW
FLUSH TO THE COLUMN FACE

FINISHED FLOOR LINE

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

WOOD FILLER, RING AROUND
ON BOTTOM, MIDDLE AND
TOP OF COLUMN POST

WOODEN POST
STRUCTURE

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

WOODEN POST
STRUCTURE

WOOD FILLER, RING AROUND
ON BOTTOM, MIDDLE AND
TOP OF COLUMN POST

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

COUNTER SUNK WOOD SCREW
FLUSH TO THE COLUMN FACE

ARCHITECTURAL
TRIM SIDE

CHAMCLAD COLUMN SYSTEM
TYPICAL COLUMN INSTALL
ON RINGED COLUMN POST

QUICK CLICK
COLUMN CAP SIDE

1
CD-29
NOT   TO   SCALE:

	INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
ChamClad *Transforming Spaces* 10235-184 Street NW Edmonton, AB T5S 2J4 PH: (780) 454-4430	CHAMCLAD COLUMN SYSTEM	TYPICAL COLUMN INSTALL ON RINGED COLUMN POST	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:	AS SHOWN	
					PREPARED BY: RFE	DATE START:	07/31/24
	INSTALLATION PROCESS				DRAWN BY: RFE	DATE FNISHED:	07/31/24
	HORIZONTAL INSTALLATION				DESIGNED BY: RFE	APPROVED BY:	A.G.
					SHEET NUMBER	CD-29	

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GAP BETWEEN
CEILING &
ARCHITECTURAL TRIM
MAX OF $\frac{1}{8}$"

GAP BETWEEN
CEILING & QUICK CLICK
COLUMN CAP MAX OF $\frac{1}{8}$"

FINISHED CEILING LINE

ARCHITECTURAL
TRIM

APPLY "PL" ADHESIVE
SPREAD EVENLY ON
BACK SURFACE

USE GA18 1 $\frac{1}{2}$" BRADNAIL
TO FASTENED

QUICK CLICK
COLUMN CAP

COLUMN BASE
BRACKET

USE $\frac{1}{2}$" PAN HEAD WOOD SCREW
TOGETHER WITH SCREW KIT

USE $\frac{1}{2}$" PAN HEAD WOOD SCREW
TOGETHER WITH SCREW KIT

COLUMN BASE
BRACKET

ARCHITECTURAL
TRIM

APPLY "PL" ADHESIVE
SPREAD EVENLY ON
BACK SURFACE

QUICK CLICK
COLUMN CAP

USE GA18 1 $\frac{1}{2}$" BRADNAIL
TO FASTENED

FOR WOODEN FLOOR:
USE CHAMCLAD UNIVERSAL SCREW
#8 1 $\frac{1}{2}$" LOW TRUST HEAD WITH SHAFT

FOR CONCRETE FLOOR:
USE 1 $\frac{1}{4}$" CONCRETE SCREW TOGETHER
WITH SCREW KIT

FINISHED FLOOR LINE

ARCHITECTURAL
TRIM SIDE

QUICK CLICK
COLUMN CAP SIDE

CHAMCLAD COLUMN SYSTEM
TYPICAL TRIM INSTALL
ON RINGED COLUMN POST

1
CD-30   NOT   TO   SCALE:

ChamClad *Transforming Spaces* 10235-184 Street NW Edmonton, AB T5S 2J4 PH: (780) 454-4430	INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
	CHAMCLAD COLUMN SYSTEM	TYPICAL TRIM INSTALL ON RINGED COLUMN POST	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:		AS SHOWN	
					PREPARED BY:	RFE	DATE START:	07/31/24
	INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	07/31/24
	HORIZONTAL INSTALLATION				DESIGNED BY:	RFE	APPROVED BY:	A.G.
					SHEET NUMBER		CD-30	

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GAP BETWEEN
CEILING & COLUMN
MAX OF $\frac{1}{4}$", ROOM
ROOM FOR EXPANSION

GAP BETWEEN
CEILING & COLUMN
MAX OF $\frac{1}{4}$", ROOM FOR
EXPANSION

FINISHED CEILING LINE

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

WOODEN POST
STRUCTURE

WOODEN POST
STRUCTURE

PVC COLUMN
THICKNESS

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

PVC COLUMN
FACE

WOODEN POST
STRUCTURE

WOODEN POST
STRUCTURE

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

GAP BETWEEN
WOODEN POST
& COLUMN MAX OF $\frac{1}{8}$"

PVC COLUMN
THICKNESS

PVC COLUMN
THICKNESS

PVC COLUMN
FACE

PVC COLUMN
FACE

COUNTER SUNK WOOD SCREW
FLUSH TO THE COLUMN FACE

COUNTER SUNK WOOD SCREW
FLUSH TO THE COLUMN FACE

FINISHED FLOOR LINE

ARCHITECTURAL
TRIM SIDE

CHAMCLAD COLUMN SYSTEM
TYPICAL COLUMN INSTALL
ON PACKED COLUMN POST

QUICK CLICK
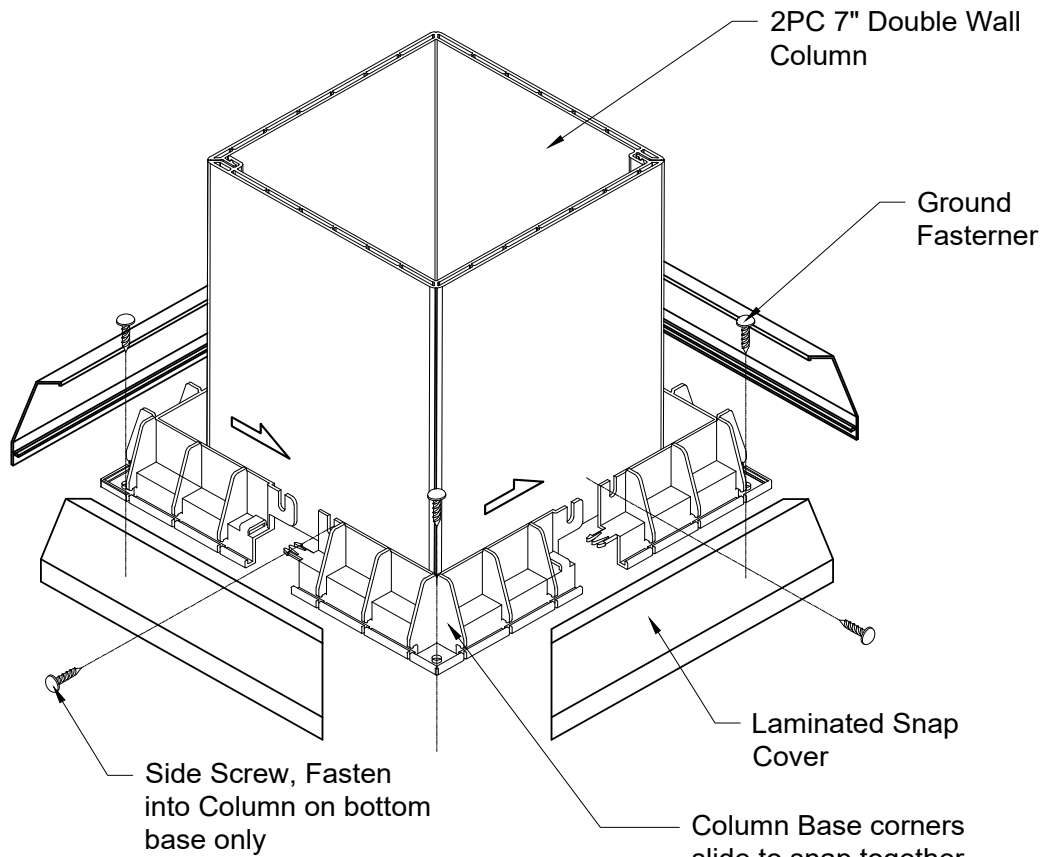COLUMN CAP SIDE

1
CD-31   NOT   TO   SCALE:

INSTALLATION SYSTEM		SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION		
CHAMCLAD COLUMN SYSTEM		TYPICAL COLUMN INSTALL ON PACKED COLUMN POST	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:		AS SHOWN
					PREPARED BY:	RFE	DATE START: 07/31/24
INSTALLATION PROCESS					DRAWN BY:	RFE	DATE FNISHED: 07/31/24
HORIZONTAL INSTALLATION					DESIGNED BY:	RFE	APPROVED BY: A.G.
					SHEET NUMBER		CD-31

ChamClad
Transforming Spaces
10235-184 Street NW
Edmonton, AB T5S 2J4
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GAP BETWEEN
CEILING &
ARCHITECTURAL TRIM
MAX OF $\frac{1}{8}$"

GAP BETWEEN
CEILING & QUICK CLICK
COLUMN CAP MAX OF $\frac{1}{8}$"

FINISHED CEILING LINE

ARCHITECTURAL
TRIM

APPLY "PL" ADHESIVE
SPREAD EVENLY ON
BACK SURFACE

USE GA18 1$\frac{1}{2}$" BRADNAIL
TO FASTENED

QUICK CLICK
COLUMN CAP

COLUMN BASE
BRACKET

USE $\frac{1}{2}$" PAN HEAD WOOD SCREW
TOGETHER WITH SCREW KIT

USE $\frac{1}{2}$" PAN HEAD WOOD SCREW
TOGETHER WITH SCREW KIT

ARCHITECTURAL
TRIM

COLUMN BASE
BRACKET

APPLY "PL" ADHESIVE
SPREAD EVENLY ON
BACK SURFACE

QUICK CLICK
COLUMN CAP

USE GA18 1$\frac{1}{2}$" BRADNAIL
TO FASTENED

FOR WOODEN FLOOR:
USE CHAMCLAD UNIVERSAL SCREW
#8 1$\frac{1}{2}$" LOW TRUST HEAD WITH SHAFT

FOR CONCRETE FLOOR:
USE 1$\frac{1}{4}$" CONCRETE SCREW TOGETHER
WITH SCREW KIT

FINISHED FLOOR LINE

ARCHITECTURAL
TRIM SIDE

CHAMCLAD COLUMN SYSTEM
TYPICAL TRIM INSTALL
ON PACKED COLUMN POST

QUICK CLICK
COLUMN CAP SIDE

1
CD-32

NOT   TO   SCALE:

INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD COLUMN SYSTEM	TYPICAL COLUMN INSTALL ON PACKED COLUMN POST	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:		AS SHOWN	
				PREPARED BY:	RFE	DATE START:	07/31/24
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	07/31/24
HORIZONTAL INSTALLATION				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-32	

10235-184 Street NW
Edmonton, AB T5S 2J4
PH: (780) 454-4430

2PC 7" Double Wall
Column

Ground
Fasterner

Laminated Snap
Cover

Side Screw, Fasten
into Column on bottom
base only

Column Base corners
slide to snap together
then fasten to the ground
and ceiling

ISOMETRIC VIEW

7.00"

7.00"

6.50"

6.50"

6.25"

COLUMN PROFILE

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

COLUMN WITH 2"X6" WOOD
FRAME (OPTION 1)

FROM 2"X 6" WOOD

FROM 2"X 6" WOOD

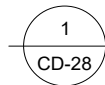FROM 2"X 6" WOOD

COLUMN WITH 2"X6" WOOD
FRAME (OPTION 2)

CHAMCLAD COLUMN SYSTEM
2PC 7" DOUBLE WALL COLUMN ASSEMBLY

QUICK CLICK COLUMN CAP/BASE (EXPLODED DETAIL)
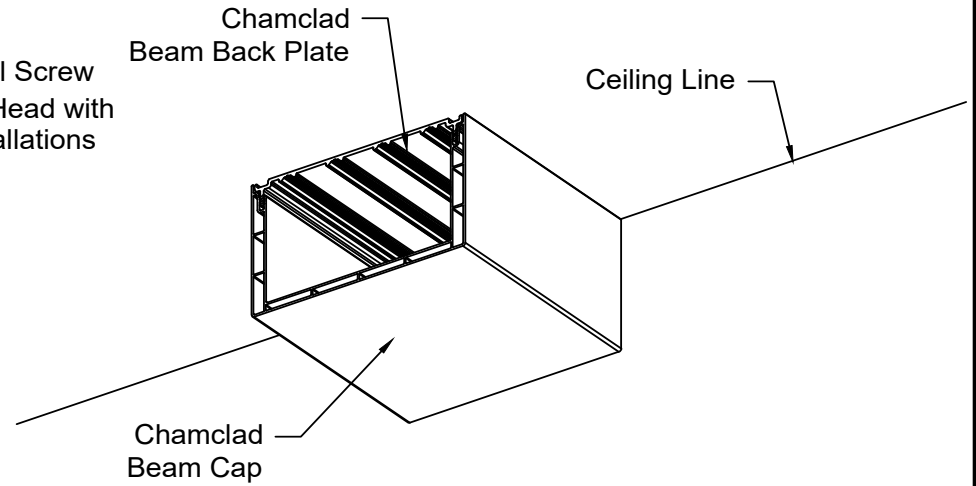
1
CD-28

INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD COLUMN SYSTEM	2PC 7" DOUBLE WALL COLUMN ASSEMBLY W/ COLUMN CAP/BASE (EXPLODED DETAIL)	UPDATE TO LATEST PRODUCT DESCRIPTION	11/08/23	SCALE:		AS SHOWN	
				PREPARED BY:	RFE	DATE START:	11/15/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/15/23
COLUMN WRAP				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-28	

Chamclad
Beam Back Plate

ChamClad Universal Screw
#8 1 ½" Low Truss Head with
shaft typ. for all installations

Chamclad
Beam Back Plate

Ceiling Line

Chamclad
Beam Cap

Beam Bracket
(sold separately)

Chamclad
Beam Cap

CHAMCLAD BEAM SYSTEM
2   ISOMETRIC VIEW
CD-18   NOT   TO   SCALE:

CHAMCLAD BEAM SYSTEM
1   2PC FAUX BEAM DETAIL
CD-18   NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD BEAM SYSTEM	FAUX BEAM DETAIL ISOMETRIC VIEW	UPDATE TO LATEST PRODUCT DESCRIPTION	11/10/23	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	11/10/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	11/10/23
FAUX BEAM ASSEMBLY				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-18	

⅛" Clearance Gap

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

1x2 Furring Strips
@ 16-24" O.C.
Optional to level ceiling

Chamclad 6" Solid Soffit
⅜"thk. Panel, Parallel to wall install

Chamclad 2pc.
1.5" PVC J-Trim

Chamclad 12" Seamless Interior
Wall Panel ⅜" thk. Horizontal Install

Drywall

Vapour Barrier

ChamClad Universal Screw
#8 1 ½" Low Truss Head with shaft
typ. for all installations

NOTE:
Also Available on ½" Panels in
Shadowline Series.

CHAMCLAD WALL SYSTEM
INTERIOR WALL & CEILING DETAIL

1
CD-13 NOT   TO   SCALE:

INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION			
CHAMCLAD WALL SYSTEM	INTERIOR WALL & CEILING DETAIL	UPDATE TO LATEST PRODUCT DESCRIPTION	12/14/23	SCALE:	AS SHOWN		
				PREPARED BY:	RFE	DATE START:	12/14/23
INSTALLATION PROCESS				DRAWN BY:	RFE	DATE FNISHED:	12/14/23
HORIZONTAL WALL INSTALL & CEILING INSTALL ASSEMBLY				DESIGNED BY:	RFE	APPROVED BY:	A.G.
				SHEET NUMBER		CD-13	

10235-184 Street NW
Edmonton, AB T5S 2J4
PH: (780) 454-4430

Care and Maintenance of ChamClad® Exterior Wall Panels

ChamClad® products are designed to be low maintenance and our Laminate Films have exceptional properties that ensure ease of cleaning and surface longevity. They are highly ultra-violet, scratch, and salt air resistant. The film's low surface tension makes it inherently dirt-repellent and therefore easy to clean. ChamClad® finishes include anti-graffiti properties and, in most cases can be easily removed using a garden hose and mild kitchen detergent and warm water.

If cleaning required, follow these simple instructions below:

- o Using a soft bristled nylon brush attached to a garden hose, clean the surface with a mild PH neutral soap or non-abrasive kitchen detergent in warm water. DO NOT USE abrasive, erosive, or caustic solvents to clean ChamClad® panels as they can damage the panel finish and will void the warranty.

- o To avoid streaking start at the top of the wall – working your way to the bottom.

- o Follow with a thorough rinsing of fresh water to ensure that substances such as airborne salts, dirt and pollutants are removed.

- o Always remove unintentional paint splashes, stucco spills, etc. immediately to prevent the possibility of permanent staining.

- o You may pressure wash ChamClad® panels with a low PSI pressure washer. DO NOT exceed 1500 PSI.

Should you experience removal difficulties, please contact us via email at info@ChamClad.com.

Installation Tips - At a Glance.

	Do	**Don't**
1. Before You Start	o Review the installation manual and all local building codes before starting the install.	o Don't install damaged or questionable materials. Check all products and call ChamClad® customer service.
2. Storage and Handling	o If storing cladding outside, when possible, keep out of direct sunlight. o Store on a flat level surface, cover with a tarp leaving the ends open for air circulation. o Carry ChamClad® panels by holding it by the narrow edge and pick panels up in the center.	o Don't allow panels to come in contact with asphalt or in areas prone to excessive heat buildup. o Don't use abrasive cleaners or solvents to clean ChamClad® cladding.
3. Flashing	o Use non-corrosive flashing. o Always leave a minimum of ¼" gap between the bottom of the cladding and metal flashings	o Don't use uncoated aluminum or other metal materials.

1/4" GAP BETWEEN
FLASHING AND SIDING
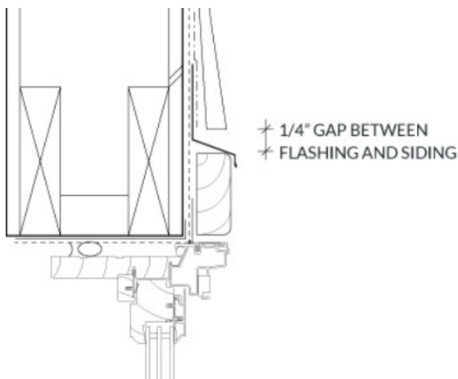
4. Wraps and Sheathing	o Install horizontal and vertical exterior cladding to structural framing when using non-structural sheathing, drywall, or foam. o Cladding must be installed onto structural framing/sheathing and over a water-resistant barrier in accordance with local building codes.	o Don't fasten ChamClad® cladding over non-structural framing or sheathing (e.g., foam) without re-establishing a structural surface like a rain screen or furring strips.
5. Clearance	o Install exterior cladding at least 2" or as per building code requirements above finished grade. Allow ½" above deck or concrete. o Refer to the ChamClad® Gap allowance temperature guidelines on page 10 in order to allow for proper expansion/contraction between panels and trims.	
6. Cutting	o Carbide-tipped blades with 84+ teeth are recommended. (Aluminum blades are optimal) o If using a circular saw, cut cladding face down on a clean surface. o If using a cut-off saw, cut face up.	o Don't score or snap ChamClad® exterior cladding. o Don't cut ChamClad® with a coarse saw blade to avoid chipping or damaging the panel.

7. Butt Ends	o If attaching ChamClad® cladding end to end, use H-trim and cut panels to the appropriate length to allow for expansion and contraction.	o DO NOT butt join. o Don't place panels into H-Trim without proper gap for expansion and contraction (refer to chart on page 10). o Do not leave gaps between two butt ends without utilizing an H-trim. Do not glue butt ends.
8. Fastening	o Screws must penetrate the structural framing members. o Fastener must be installed into the center of the nailing slot. o Fasteners must penetrate a minimum of 1 ¼" into structural framing. Structural sheathing is a minimum of 7/16" OSB or plywood (as per local building codes). o Use Chamclad® Universal screws; stainless fasteners or corrosion resistant are recommended (e.g., 17 Self taping, round washer, lo root #8) o Always leave a 1/32" gap (width of a dime) between the fastener head and nailing slot	o Don't counter sink or angle the fastener. PVC cladding must be hung and be allowed to expand and contract freely. o Don't use galvanized screws. o Don't use soffit staples, D-head nails, finishing nails or glue to install exterior. o Don't fasten panel into the bottom of trims. o Don't exceed recommended spacing between fasteners.

Additional Tips:

- Use ChamClad® touch-up pens to cover any exposed PVC substrate resulting from cutting or a surface scratch.

- Use backing for all trims.

- Fasten panels 16-24" OC.

- Fasten trims 8-12" OC.

- Fasten Soffit at 12-16" OC.

- Use centre of nail slots.

- Cut panels shorter to allow for expansion/contraction clearance. See Gap Chart on page 10.

- Use a non-marking Rubber mallet or hand pressure to install V-groove system and top caps of all 2pc trims.

- Break vertical installation at every floor level using ChamClad® H-Trim or flashing detail (supplied by others).

- **DO NOT install gas heaters into a soffit or ceiling application!**

- **If planning to install infrared heaters, check with the Chamclad® engineering department to ensure compatibility with cladding.**

Sustainable wood solutions for today's world.

Revised: December 2nd, 2024