Installation Manual

Column, Beams & Privacy Walls/ Screens

CHAMCLAD®

TRANSFORMING SPACES

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Scan for Installation videos

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1.0 PURPOSE & SCOPE

This Installation Manual provides installers and designers with the essential requirements for proper installation of ChamClad® products. These instructions reflect Best Practices and must be followed to maintain product performance and warranty compliance. For additional advisory information and expanded technical guidance, you must read the ChamClad® Appendices that accompany this manual.

2.0 ADDITIONAL DOCUMENTS (REQUIRED)

This manual is accompanied by the following appendices which must be reviewed prior to installation:

- ***Appendix A: General Information & Advisory***
- ***Appendix B: Tools and Fastener Guide***
- ***Appendix C: Technical Expansion & Contraction Reference***
- ***Appendix D: Care & Maintenance Guide***

These documents provide additional product knowledge, environmental behavior guidelines, compliance references, and long-term maintenance details.

3.0 GENERAL INFORMATION & ADVISORY

- For additional information, refer to *Appendix A: General Information & Advisory*

3.1 Installer's Responsibilities

- **Read this manual completely before starting installation.** Improper installation may void the warranty.
- Always ensure you are using the **most current version** of this manual. Updated manuals, appendices and technical bulletins are available at ChamClad.com.
- 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).

3.2 Material Inspection

- Inspect all ChamClad® boards, trims, and accessories for damage, colour discrepancies, or defects prior to installation.
- If there are any concerns about material **do not** install. Report issues within 7 days of receipt to info@chamclad.com.

3.3 Handling

- Always carry boards on their narrow edge and support full length.
- Whenever possible avoid using metal banding. Metal banding will cut into the boards if pulled too tight.

3.4 Storage

- Store materials on a flat, fully supported surface.
- Keep products protected from direct sunlight and excessive heat. Note: It is important that product is not stored for long periods where temperatures could exceed 30 degrees Celsius (86 degrees Fahrenheit).
- Do not store on asphalt surfaces.

3.5 Safety Requirements

- Proper PPE is mandatory: eye protection, gloves, hearing protection when cutting.
- When using a circular saw: cut face down.
- When using a cut-off saw: cut face up.
- Use carbide-tipped blades with 84+ teeth.
- Do not score or snap ChamClad® panels.

4.0 TOOLS & FASTENERS

- For additional information, refer to *Appendix B: Tools and Fastener Guide*

4.1 Tools Required

- Circular saw / cut-off saw
- Level, tape measure, chalk line
- Drill/driver with appropriate bits
- Deadblow hammer

4.2 Fasteners Summary

- Use ChamClad® universal self-tapping screws where possible.
- Minimum fastener penetration: 1¼” (32mm) into structural substrate.
- When fastening into metal, pre-drill if using universal screws.
- Leave a 1/32” (0.8mm) gap between fastener head and nail flange.
- Do NOT use: nail guns, staplers, glue.

5.0 INSTALLATION FUNDAMENTALS

5.1 Expansion & Contraction General Rules

- ChamClad® expands and contracts with temperature.
- Always allow for movement by installing fasteners at the center of nail slots.
- For columns and beams
    - Allow a minimum of an 1/8” at each end for expansion/ contraction
    - If pinned at one end, leave at least 1/4” clearance at the free end for expansion; no gap is needed at the pinned end.

5.2 Cavity & Substructure Requirements

- Install ChamClad® exterior wall panels over a vented wall cavity with furring strips, galvanized steel Z-girts (min. 20 ga.), or a continuous 3D membrane per local Building Code. For warranty compliance, consult CCMC/ICCES assembly requirements.
- When installing over rigid insulation, fasteners must penetrate through to the structural substrate.

5.3 Flashings & Penetrations

- Follow local codes for window, door, and penetration flashing.
- When using sealant, ChamClad® recommends LePage QuadMax or equivalent to ASTM 920.

5.4 Panel Trims and Notes

- ChamClad® patterns repeat approximately every 48” (1.2m). Mix boards to avoid pattern repetition.
- Classic tongue-and-groove system with product stacking from bottom.
- For a U-Channel profile, insert to the first stop. For a V-Groove profile tap to the next stop.

6.0 CARE & MAINTENANCE

- For full maintenance guidelines, refer to *Appendix D: Care & Maintenance Guide*
- Clean every 12–18 months (or 8–12 months in high exposure areas).
- Use mild detergent with soft cloth or brush.
- Maximum pressure wash: 1500 PSI.
- Do not use solvents or abrasive cleaners.

If you require further guidance or project-specific recommendations, contact engineering@chamclad.com



12" Quick Click Column and Beam in Cinnamon Walnut

CHAMCLAD®
COLUMN & BEAM

EXTERIOR & INTERIOR



8" Quick Click Column and Beam in Toffee

7.0 CHAMCLAD COLUMN & BEAM

7.1 Assembly / System Types

- 2PC Column Wrap 7”
- 4PC Quick Click Column System
- 4PC Quick Click Beam System
- 3” Quick Click Adapter Beam System
- 2PC Faux Beam 5.5” x 3.35”

8.0 CHAMCLAD 7” 2PC COLUMN WRAP

Refer to Installation Details CS-09 thru to CS-15

8.1 PRODUCTS – 7” 2PC Column Wrap



Dimensions

Exterior dimensions of the column are 7” x 7” (178mm x 178mm). Internal cleared dimensions of the column are 6” x 6 ½” (152mm x 165mm).

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8.2 Loading

- 2PC Column Wrap is **non-structural**.

8.3 Installation – Standard Option

- The internal structural support should be straight, square, and within the dimensions specified above.
- For expansion and contraction in exterior application, start by measuring your column height and cut column a minimum of an 1/4”to allow for expansion and contraction at **one** location (top **or** bottom).
- 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 deadblow hammer to assemble. Ensure a tight wrap around the internal structure to avoid movement and full engagement of the two pieces for a seamless finish. If the column is unstable or moves near its internal support, block it at appropriate locations to secure it.
- **Note:** To ensure the column remains straight, always start snapping the pieces at the top or bottom and working towards the other end. Avoid starting from the middle.

- Connect the column wrap using ChamClad universal screws on two sides at one location (top **or** bottom), countersinking the screw to be flush with the column face. This will allow for the optional trim to sit flat and allows movement for expansion and contraction.

8.4 Installation – Adhesive Option:

To install a 2PC Column Wrap using LePage QuadMax adhesive (ASTM C920 or equivalent) follow instructions outlined below:

- **Preparation**: Ensure the column will fit properly by adding wood backing if necessary.
- **Apply**: Apply diagonal strips of QuadMax adhesive every 16” for the entire length of the column, to prevent water from sitting on top. (refer to drawing “Standard Adhesive Application” on page 20)
- **Secure Installation**: Apply the adhesive 3-6 inches (75mm-150mm) inside the locking edges on both the top and bottom of the column pieces.
- **Engage Columns**: Align the column pieces together for a tight and stable fit. Position them against the adhesive to secure them in place.
- **Use a Shim**: If your expansion gap is at the bottom, use a shim to hold the gap while the adhesive cures.

8.5 Finishing Options

- Option: 1” x 4” or 1” x 7” Architectural Trim OR Column Cap/ Base Trim
- Refer to page 22 for additional information and installation instructions.

9.0 CHAMCLAD 4PC QUICK CLICK COLUMN SYSTEM

Refer to Installation Details CS-01 thru to CS-8, CS-13 and CS-16

9.1 PRODUCTS - 8”, 10” and 12” Quick Click Columns



Dimensions

- Exterior dimensions of the column available are:
  - 8” x 8” (200mm x 200mm)
  - 10” x 10” (250mm x 250mm)
  - 12” x 12” (300mm x 300mm)
  - Check Detailed drawings (Figure 1 on page 11) for the internal clearance dimensions before ordering.
  - Mix and match dimensions are also available. (Figure 2 on page 12)
- Columns available in 10ft (3m) and 20ft (6m) lengths.



3” Quick Click Adapter

- 10’ and 20’ Lengths

9.2 Loading

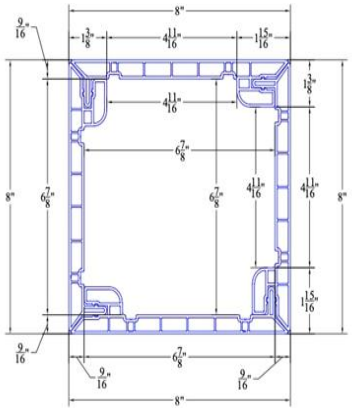
- Quick Click Columns are **non-structural**.

9.3 Installation

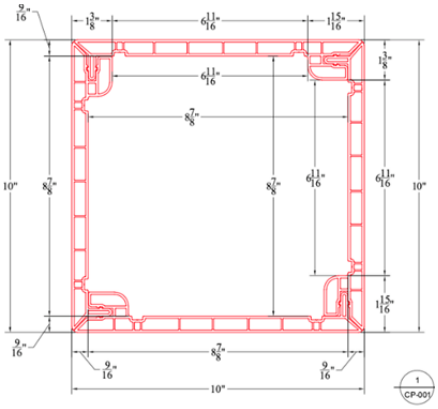
- Always climatize product 24hrs before installation.
- The internal structural support should be straight, square, and within the dimensions specified in the detailed drawing.
- To keep column straight, pack with dimensional lumber top or bottom, minimum two sides.
- For expansion and contraction in exterior application, start by measuring your column height and cut columns a minimum of an 1/4” (for 10’ panels) to allow for expansion and contraction at **one** location (top **or** bottom).
- Apply the adhesive 3-6 inches (75mm-150mm) inside the locking edges on both the top and bottom of the column pieces.
- On the ground, snap together 2 of the 4PC into a ‘L’ shape using a deadblow hammer. Repeat with the remaining 2PC for the other side.

- Apply diagonal strips of QuadMax adhesive every 16” for the entire length of the column, to prevent water from sitting on top. (refer to drawing “Standard Adhesive Application” on page 20)
- Join the column pieces together, ensuring a tight and stable fit.
- Place the column pieces against the adhesive to secure them in place. If your expansion gap is at the bottom, use a shim to hold the gap while the adhesive cures. This will ensure the column stays in place.
- Note: To ensure the column remains straight, always start snapping the pieces at the top or bottom working towards the opposite end. Avoid starting from the middle.

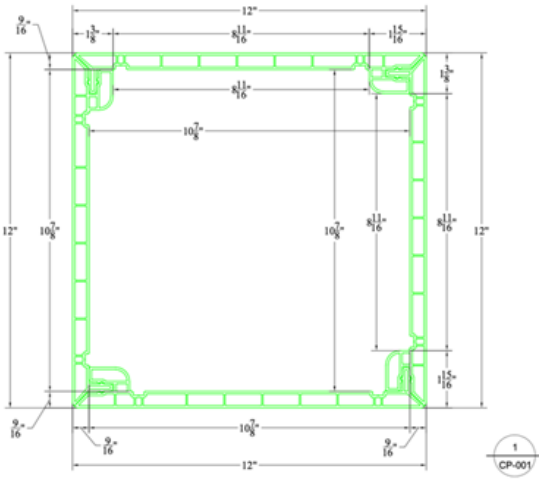
Figure 1 – Exterior and Interior Detailed Column and Beam Dimension



8” x 8”



10” x 10”

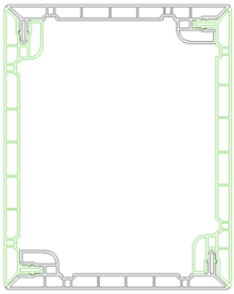


12” x 12”

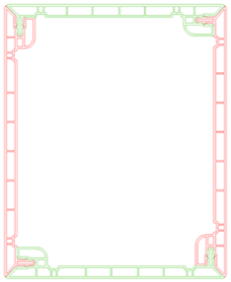
9.4 Mix and Match Options

ChamClad® columns and beams are designed to be modular and versatile, allowing different sizes—including 3", 8", 10", and 12" profiles—to be mixed and matched to achieve custom configurations. Columns can be seamlessly integrated with beams to create clean, continuous transitions and tailored structural designs. Below are several examples showcasing possible column and beam combinations.

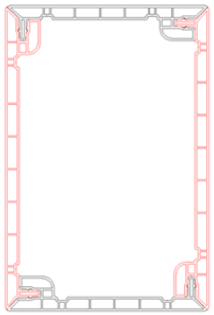
Figure 2 Mix and Match Options – 4PC Column and Beams



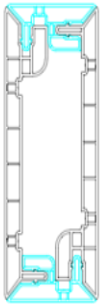
8” x 10” Beam Assembly



10” x 12” Beam Assembly



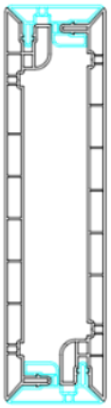
8” x 12” Beam Assembly



3” x 8” Beam Assembly



3” x 10” Beam Assembly



3” x 12” Beam Assembly

9.5 Finishing Options

- Option: 1” x 4” or 1” x 7”Architectural Trim OR Column Cap or Base Trim
- Refer to page 22 for additional information and installation instructions

10 CHAMCLAD 4PC QUICK CLICK BEAM SYSTEM

The 4PC Quick Click Beam System is to be used for all decorative, non-load-bearing beam applications where no existing structural beam at interior/exterior ceiling locations is present.

10.1 PRODUCTS – 8”, 10” and 12” Quick Click Beams



Dimensions

- Available in 8" (200mm), 10" (250mm), and 12" (300mm) face sizes, in 10' (3m) or 20' (6m) stocked lengths you can mix and match to create stunning faux beams.
- Use with the 3” Quick Click Adapter as end caps for smaller or to increase the size of your column or beam.

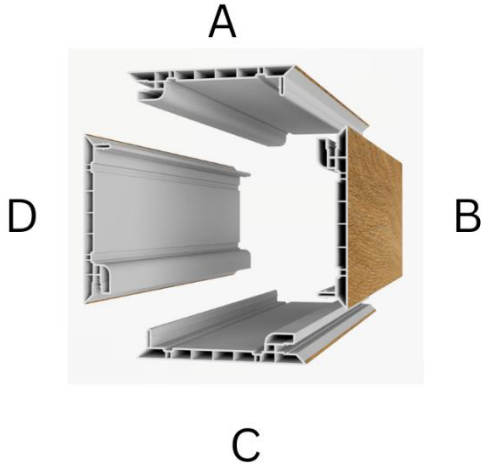
10.2 Loading

- The ChamClad® **4PC Beam System** is not designed to be load-bearing and must not serve as the primary support for weight.
- ChamClad Universal Screws should be securely fastened into a joist or stud. If there is no solid backing available, additional support must be provided prior to installation.
- The substrate condition (such as drywall) must be sufficient to support the weight of the decorative beam. When a solid backing is absent, select fasteners appropriate for the substrate—such as drywall hollow anchors—to ensure proper installation.

10.3 Installation

- For expansion and contraction in exterior application, start by measuring your beam length and cut beam a minimum of an 1/8”to allow for expansion and contraction at **each end.**

IMPORTANT: To ensure a proper and secure installation, it is critical to follow the sequencing outlined in this manual. Failure to follow the prescribed sequence may result in compromised connections, including bowing, misalignment, or separation at the joints.



Connecting Pieces A and B:

- Apply 3–6 inches (75 mm–150 mm) of QuadMax adhesive inside the locking edge at both ends where pieces A and B will be joined
- Carefully align pieces A and B, then use a deadblow hammer to gently secure them together, forming an 'L' shape.
- Install the newly formed 'L' shape, ensuring piece A is anchored into the substrate.



- Fasten the 'L'-shaped beam to the substrate with universal screws, placed every 16–24" (400–600mm) along the screw track (see Figure 3 – Beam Screw Track).

Connecting Pieces C and D:

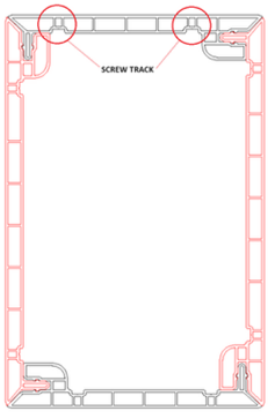
- Apply 3–6 inches (75 mm–150 mm) of QuadMax adhesive inside the locking edge at both ends where pieces C and D will be joined
- Align pieces C and D, then gently secure them together with a deadblow hammer to form another 'L' shape.

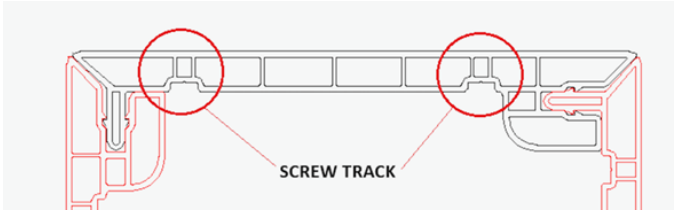


- Before installing second 'L' shape, apply 3–6 inches (75 mm–150 mm) QuadMax adhesive at both ends of remaining joint connections (BC and AD)
- Insert and tap the 'L' shape into place to ensure it is secure.



Figure 3 – Beam Screw Track





10.4 Finishing Options

- Option: 1” x 4” or 1” x 7” Architectural Trim
- Refer to page 22 for additional information and installation instruction.

11.0 COLUMN TO BEAM ASSEMBLY-

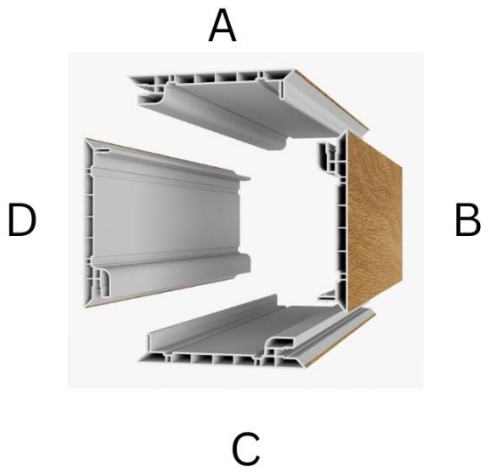


IMPORTANT: To ensure a proper and secure installation, it is critical to follow the sequencing outlined in this manual. Failure to follow the prescribed sequence may result in compromised connections, including bowing, misalignment, or separation at the joints.

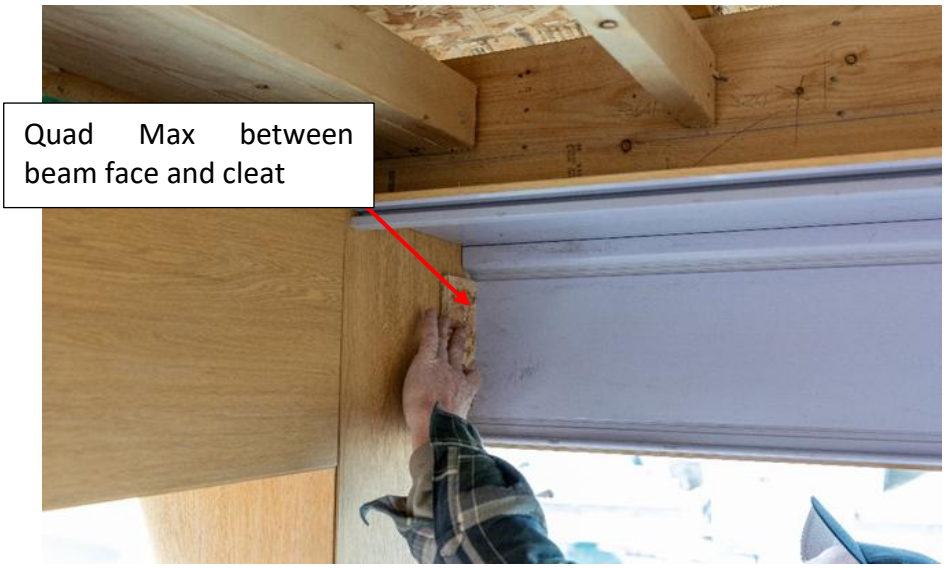
11.1 Installation of Columns

- For expansion and contraction in exterior application, start by measuring your column height and cut columns a minimum of an 1/4”to allow for expansion and contraction at **one** location.
- Ensure expansion gap is at the bottom in this application. Use a shim to hold the gap while the adhesive cures. This will ensure the column stays in place. Remove shim once Quadmax has cured.
- To keep column straight, pack with dimensional lumber top or bottom, minimum two sides.
- Apply the adhesive 3-6 inches (75mm-150mm) inside the locking edges on both the top and bottom of the column pieces.
- On the ground, snap together 2 of the 4PC into a ‘L’ shape using a deadblow hammer. Repeat with the remaining 2PC for the other side.
- Apply diagonal strips of QuadMax adhesive every 16” for the entire length of the column at one face only. (refer to drawing “Standard Adhesive Application” on page 20)
- Join the column pieces together, ensuring a tight and stable fit. Place the column piece against the adhesive at the one face to ensure it is secured.
- Note: To ensure the column remains straight, always start snapping the pieces at the top or bottom working towards the opposite end. Avoid starting from the middle.

11.2 Installation of "Beam Between Columns"



- For expansion and contraction in exterior application, start by measuring your beam length and cut beam a minimum of an 1/8"to allow for expansion and contraction at **each end.**
- Apply 3-6 inches (75mm-150mm) of QuadMax adhesive inside the locking edges at both ends of the beam pieces A and B.
- Carefully align pieces A and B, then use a deadblow hammer to gently secure them together, forming an 'L' shape.
- Apply diagonal strips of QuadMax adhesive at 16" intervals for the full height of the beam piece A. Secure beam piece A to the substrate using approved fasteners, and ensure it is attached to solid backing.
- Once AB is in place, install wood cleats into column and Quad Max to the beam face to prevent movement during installation of remaining pieces.



- Temporarily install a beam section and mark its location. Install the wooden cleat. Complete the installation of cleats at both end of beam.





- Apply 3-6 inches (75mm-150mm) of QuadMax adhesive inside the locking edges at both ends of the beam pieces C and D.
- Carefully align pieces C and D, then use a deadblow hammer to gently secure them together, forming an 'L' shape.



- Join the beam pieces together, ensuring a tight and stable fit.

11.3 Installation of Beam from House to Column

- Install the beam from the house to the column in the same manner as a "*beam between columns*" installation. In this application, locate the expansion gap at the house side only.

Provide a minimum 1/4" expansion gap at the house and pin the opposite end at the column. Use a shim to maintain the expansion gap while the adhesive cures. Remove shim once Quadmax has cured.



- In locations where there is a space between the building wall and the column, cut beam B to fit the opening between the wall and the column. Assemble and install AB beam following the previously listed *"beam between columns"* installation steps.

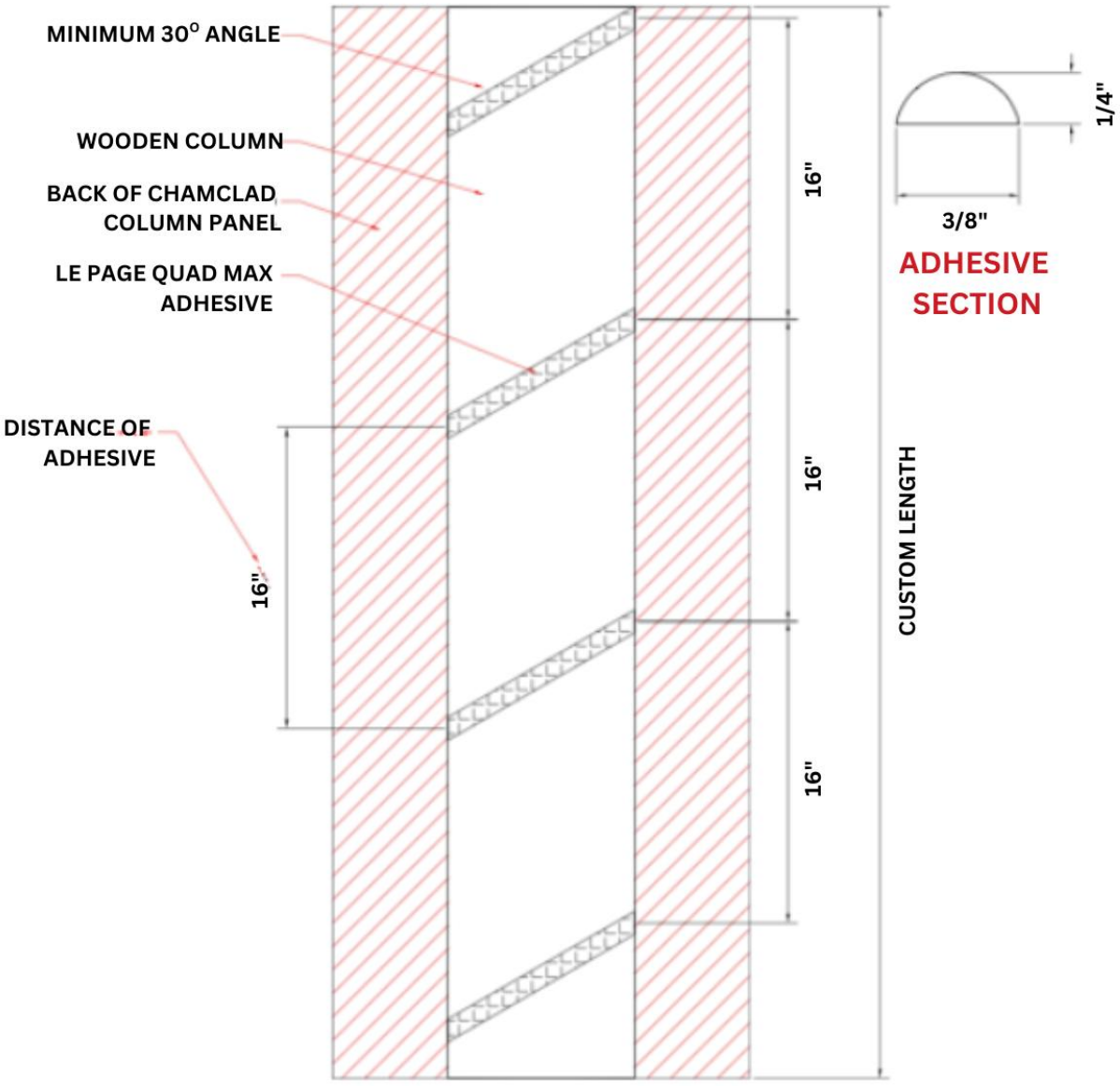


- Install a new ledger at the wall to support the CD beam assembly.
- Install the CD beam following the standard *"beam between columns"* installation procedure.
- Apply upward pressure to the bottom of Beam C and hold in place until the adhesive has set.

NOTE: To ensure the beams remains straight, always start snapping the pieces at the one end working towards the other end. Avoid starting from the middle.

STANDARD ADHESIVE APPLICATION

To prevent water from sitting on top of caulking the standard adhesive application procedure must be followed

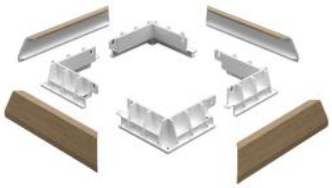


12.0 OPTIONAL TRIMS



1” x 4” or 1” x 7” Architectural Trim

- Actual dimension
  - 3/4” x 3.5” (1x4) or 3/4" x 6.5”(1x7)
- Chamclad® offers use of architectural trims to finish the ends of the columns.
- 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.
- Touch up exposed cut edges with touch-up paint. Paint cans or touch up pens available through ChamClad®.
- Apply QuadMax (or equivalent) to the bottom of trim and attach to the finished floor. **Do not** apply adhesive at miter and **do not** glue to column face.
- Ensure trims remain upright and are properly supported throughout the 24- 72 hour curing period.



Column Cap or Base Trim

- Chamclad® offers precut Column Cap & Base trim to complete the (175mm) 7” 2PC Column Wrap installation.
- 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.
- Install side screw through slotted hole only. Do not fasten trim elsewhere. **Do not over-tighten.** Leave approximately 1/32" clearance under fastener head to allow for expansion and contraction.
- Touch up exposed cut edges with touch-up paint if required
- Snap on the 4pc column cap/face provided until they click.

13.0 CHAMCLAD 3” QUICK CLICK ADAPTER BEAM SYSTEM

- The 3” Quick Click Adapter Beam System is to be used for all applications where an existing beam is present.

13.1 PRODUCTS – 8”, 10” and 12” Quick Click Beams



Dimensions

- Exterior dimensions of the column available are:
  - 8” x 8” (200mm x 200mm),
  - 10” x 10” (250mm x 250mm),
  - 12” x 12” (300mm x 300mm)
  - Check Detailed drawings (Figure 1 on page 11) for the internal clearance dimensions before ordering.
  - (Mix and match dimensions are also available.) (Figure 2 on page 12)
- Columns available in 10ft (3m) and 20ft (6m) lengths.



3” Quick Click Adapter

- 10’ and 20’ Lengths

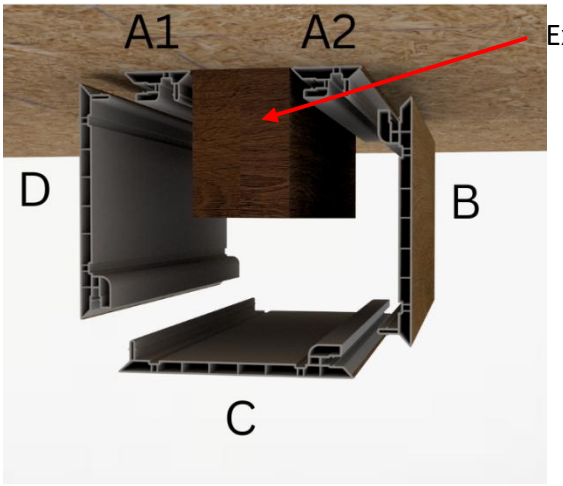
13.2 Loading

- The ChamClad® **3” Quick Click Adapter Beam System** is not designed to be load-bearing and must not serve as the primary support for weight.
- ChamClad Universal Screws should be securely fastened into a joist or stud. If there is no solid backing available, additional support must be provided prior to installation.
- The substrate condition (such as drywall) must be sufficient to support the weight of the beam system. When a solid backing is absent, select fasteners appropriate for the substrate—such as drywall hollow anchors—to ensure proper installation.

13.3 Installation

- For expansion and contraction in exterior application, start by measuring your beam length and cut beam a minimum of an 1/8”to allow for expansion and contraction at **each end.**

IMPORTANT: To ensure a proper and secure installation, it is critical to follow the sequencing outlined in this manual. Failure to follow the prescribed sequence may result in compromised connections, including bowing, misalignment, or separation at the joints.



- Attach A1 and A2 ensuring they are levelled properly. Use the chart to measure the correct length to leave between them based on the required width.



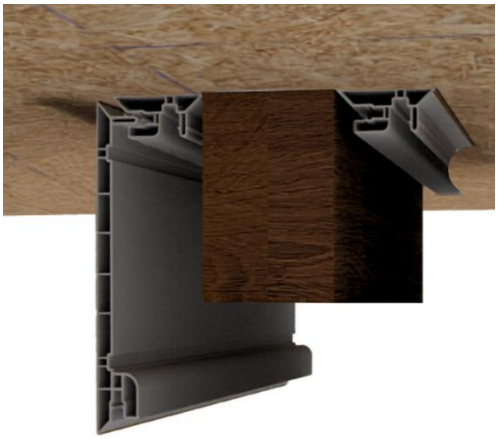
Distance From End to End
8” x 8” Column/ Beam width = 7 3/4”
10” x 10” Column/ Beam width = 9 3/4”
12” x 12” Column/ Beam width = 11 3/4”

OPTION 1:



Connecting Pieces A2 and B:

- Apply 3–6 inches (75 mm–150 mm) of QuadMax adhesive inside the locking edge at both ends where pieces A2 and B will be joined.
- Carefully align pieces A2 and B, then use a deadblow hammer to gently secure them together.



Connecting Pieces C and D:

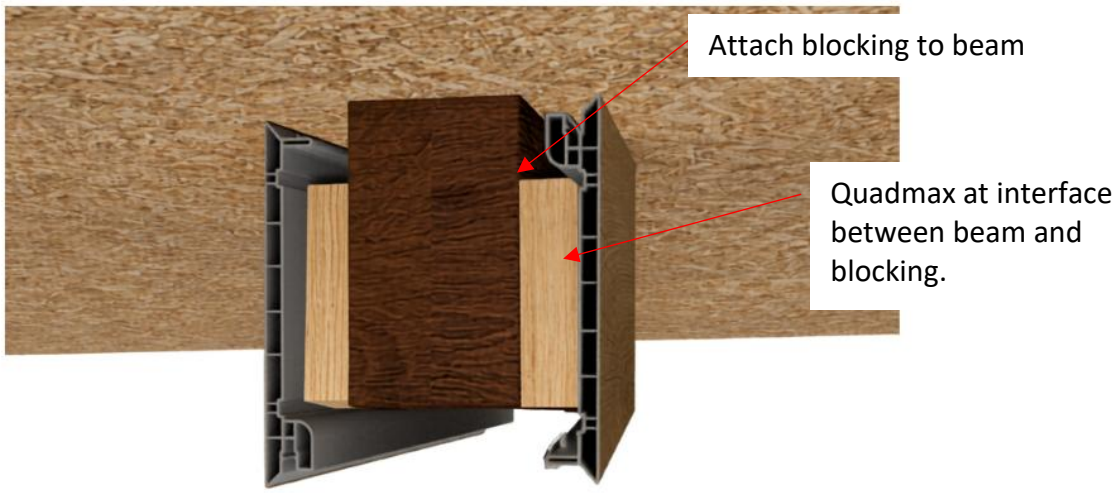
- Apply 3–6 inches (75 mm–150 mm) of QuadMax adhesive inside the locking edge at both ends where pieces C and D will be joined.
- Carefully align pieces C and D, then use a deadblow hammer to gently secure them together, forming an 'L' shape.



- Apply 3–6 inches (75 mm–150 mm) of QuadMax adhesive inside the locking edge where C and A1 will join & where B and C will join.
- Carefully align D and insert in C and A1, then use a deadblow hammer to gently secure them together.



OPTION 2:



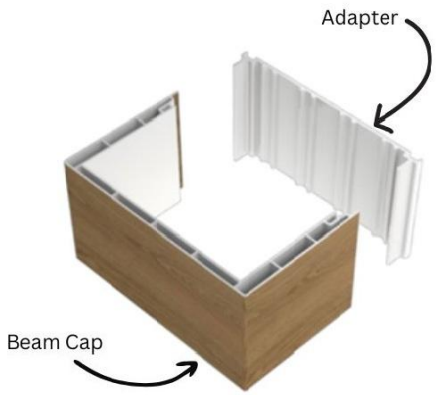
Attached Blocking

- Fasten two ¾” blocks to each side of the existing beam.
- Apply diagonal strips of QuadMax adhesive every 16” along the full length of both sides of the beam (see “Standard Adhesive Application” on page 20).
- Install pieces B and D to the blocking and secure them until the QuadMax has fully cured.
- After the QuadMax has cured at the beam-to-blocking interface, apply 3–6 inches (75–150 mm) of QuadMax adhesive inside the locking edges at both ends where pieces B and C, and C and D, will connect.
- Carefully align the pieces, then use a deadblow hammer to gently tap them into place.

14.0 CHAMCLAD 2 PC FAUX BEAM

Refer to Installation Detail BS-01.

14.1 PRODUCTS – 2 PC Faux Beam 5.5” x 3.35”



2 PC Faux Beam 5.5” x 3.35”

- Exterior dimensions of the beam are 5-1/2” x 3-3/8” (140mm x 86mm).
- Internal cleared dimensions of the beams are 4 3⁄4” x 3” (120mm x 75mm).
- Beam Cap and Adapter lengths available in pairs at 10ft (3m), 16ft (4.9m), and 20ft (6m) lengths.



Beam Bracket 3.5”



Beam End Cap

14.2 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).
- Weight of Beam and Adapter = 1.84 kg/m (1.23 lbs/ft)

14.3 Installation

- 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.
- Add ChamClad® beam bracket to close any spacing between wall and beam (2 per pack plus screws, #8 1 ½” flat quadrex course thread plated black zinc) 8 per bag.
- 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 base.

- Fasten adapter using ChamClad® universal screws every 16-24” (400-600mm). Ensure fasteners are fastened into a joist or a stud.

14.4 Finishing – Beam End Cap Option

- Trim the supplied 3/8” panel to 5 ½” X 3 ¼” (You may also use a matching 3/8” panel from the job).
- Slide the panel into the Beam End Cap ensuring the panel is to the bottom of the cap and no panel is exposed above the trim.
- Add a small dab of QuadMax (ASTM C920 or equivalent) adhesive into the cavity of the beam on 2 sides.
- Fit the Beam Cap End onto the beam.









CHAMCLAD®
PRIVACY WALL/ SCREENS

EXTERIOR & INTERIOR



15.0 PRIVACY WALL / SCREENS

15.1 IMPORTANT INFORMATION- DISCLAIMER

ChamClad® Privacy Walls are intended for **decorative purposes only** and must be securely affixed at both the top and bottom as part of standard installation.

Any alternative use—including but not limited to structural support, load-bearing applications, or installation where lateral forces (e.g., wind load, occupant interaction) are a concern—**requires the review and approval of a qualified Structural Engineer** to assess appropriate attachment methods, load requirements, and safety considerations.

For **exterior applications**, it is the responsibility of the Builder, Contractor, or Installer to:

- Ensure **all penetrations and connection points are properly waterproofed**,
- Confirm **material compatibility** between ChamClad® components and the surrounding building envelope, and
- Comply with **all applicable local building codes and regulations** as enforced by the Authority Having Jurisdiction (AHJ).

ChamClad® does not assume liability for improper installation, structural use, or failure to meet local code requirements.

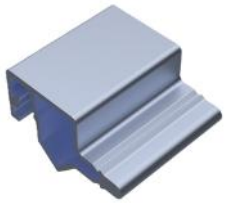
15.2 Products



3” Quick Click Adapter
10’ and 20’ Lengths



Quick Click Columns
8”, 10” and 12”



Quick Click Connector (QCC)
10’ Lengths

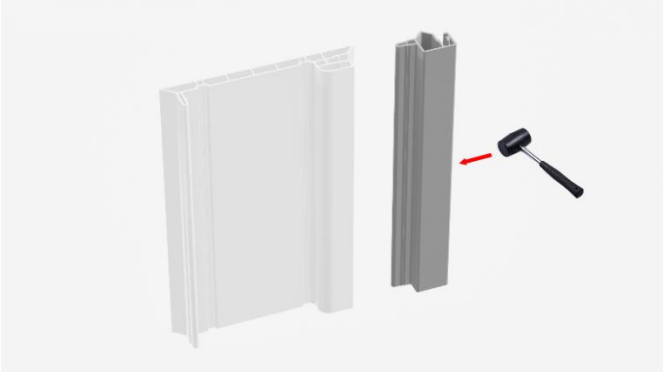
15.3 Installation

Plan the Privacy Wall/ Screen Design

- Before proceeding with installation, carefully plan the layout details of your privacy wall or screen. Key questions to address include:
  - What is the required length and height of the privacy wall or screen.
  - The standard wall height is 10 feet. Shorter walls will require cutting.
- NOTE: Walls must be affixed at base and top.

IMPORTANT: To ensure a proper and secure installation, it is critical to follow the sequencing outlined in this manual. Failure to follow the prescribed sequence may result in compromised connections, including bowing, misalignment, or separation at the joints.

- **Step 1 – Insert Quick Click Connector (QCC) into Column**
  Insert the QCC (grey piece) into the vertical channel of the ChamClad® Column. Use a deadblow hammer to gently tap the QCC into place, ensuring the fin is fully seated and aligned.



- **Step 2 – Install Opposite Column into QCC**
  Take the second ChamClad® Column and align it with the exposed channel on the installed QCC. Tap it into place using a deadblow hammer to form the complete column assembly.



IMPORTANT NOTE:
To prevent bowing or loosening of the privacy wall, the QCC must be fully and securely seated within the column channel, with no visible gaps.

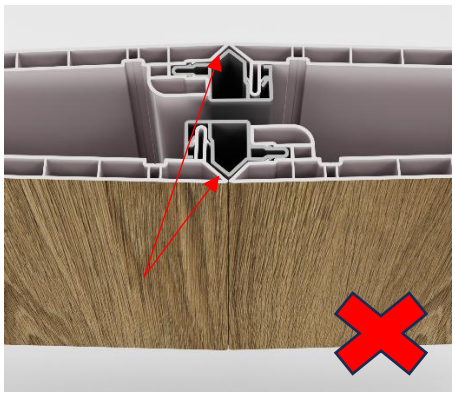
Note: This step is highly dependent on correct sequencing. Deviating from the recommended order of operations at this stage may lead to improper alignment and connection issues.



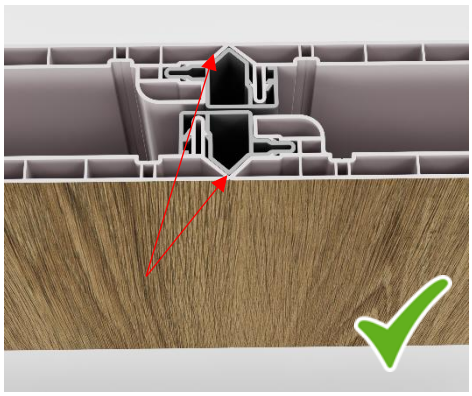
Incorrect installation of QCC to column piece as gaps are present.



Correct installation of column piece where the pieces are snug together.



Gap at the connection which will cause bowing



Correct installation with no gaps present

- **Step 3 – Apply Adhesive and Insert 3" Quick Clip Adapter**

  Apply a small bead of QuadMax® (or approved adhesive) along the edge of the 3" Adapter — avoid over-application to prevent squeeze-out. Insert the 3” Adaptor into the open channel of the column, tapping gently with a deadblow hammer until fully seated. This forms the first L-shaped panel assembly.



- **Step 4 – Anchor Internal Blocking for Support**

  After creating the two L-shaped panel assemblies, internal support must be added to anchor the wall structure securely.
  - Install wood blocking or metal L-brackets inside the panel cavity at both the top and bottom of each panel side, as shown in the illustrations.
  - Fasten all supports from the interior side only; ensuring that no exterior fasteners or penetrations are visible from the finished face.

- Each support must be securely attached to a suitable supporting member or substrate (e.g., framing, concrete slab) using appropriate fasteners for the material.
- For interior applications, the type and method of support may vary depending on your finish and substrate. These recommendations are intended as general guidance.

Note on Exterior Use:
While this product is approved for both interior and exterior applications, this installation instruction is primarily intended for **interior use**. For **exterior installations**, refer to the general disclaimer regarding waterproofing, structural anchoring, and material compatibility. The installer is responsible for ensuring compliance with all local building codes and requirements.



Example of Wood Blocking



Example of Metal L- Bracket w/ Blocking



Example of Metal L- Bracket

Step 5 – Complete the Assembly

- Before closing the panel, apply a small bead of QuadMax® (or approved adhesive) at the top and bottom PVC-to-PVC connection points, in the same adhesive locations used for the 3" Adapter in Step 3. Avoid over-application to prevent squeeze-out.
- Next, bring the second L-shaped panel assembly into position and carefully align it with the internal blocking installed in the first panel.
- Tap or press the two assemblies together using a deadblow hammer or your hands until the structure is fully closed, and the panels are securely joined.



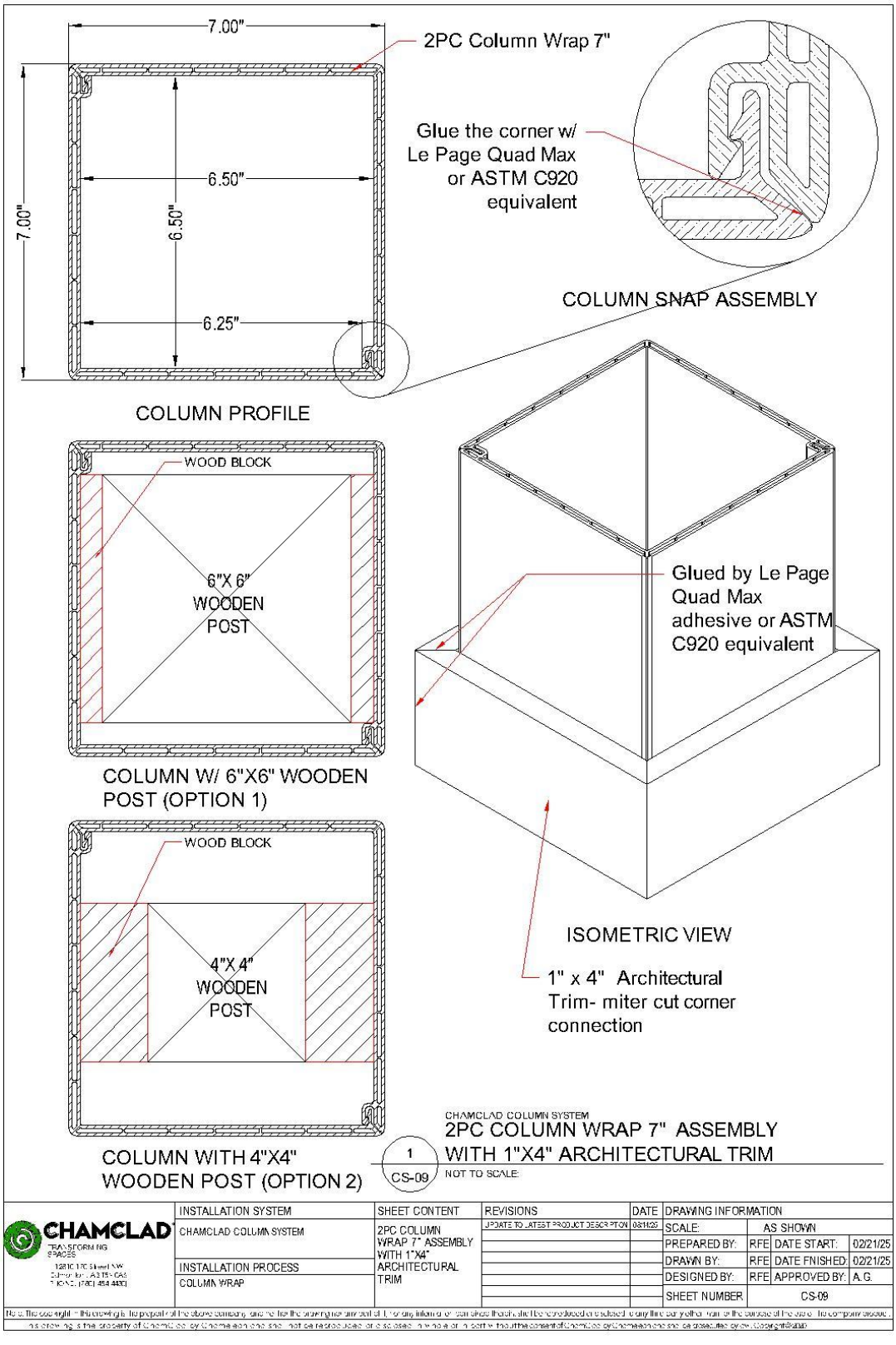
Step 6 – Final Assembly

Ensure all connections are tight and aligned.

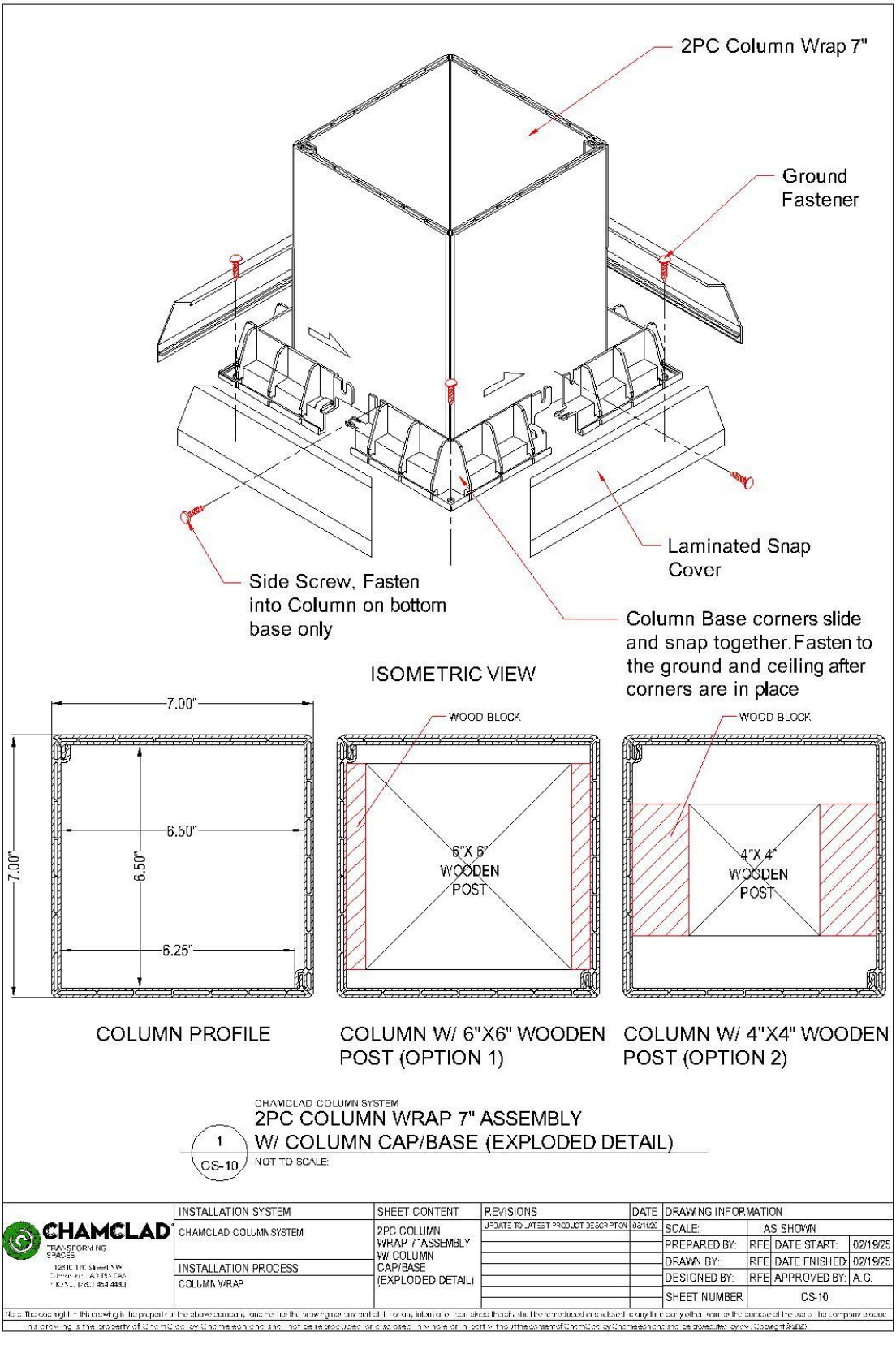


16.0 ASSEMBLY DRAWINGS

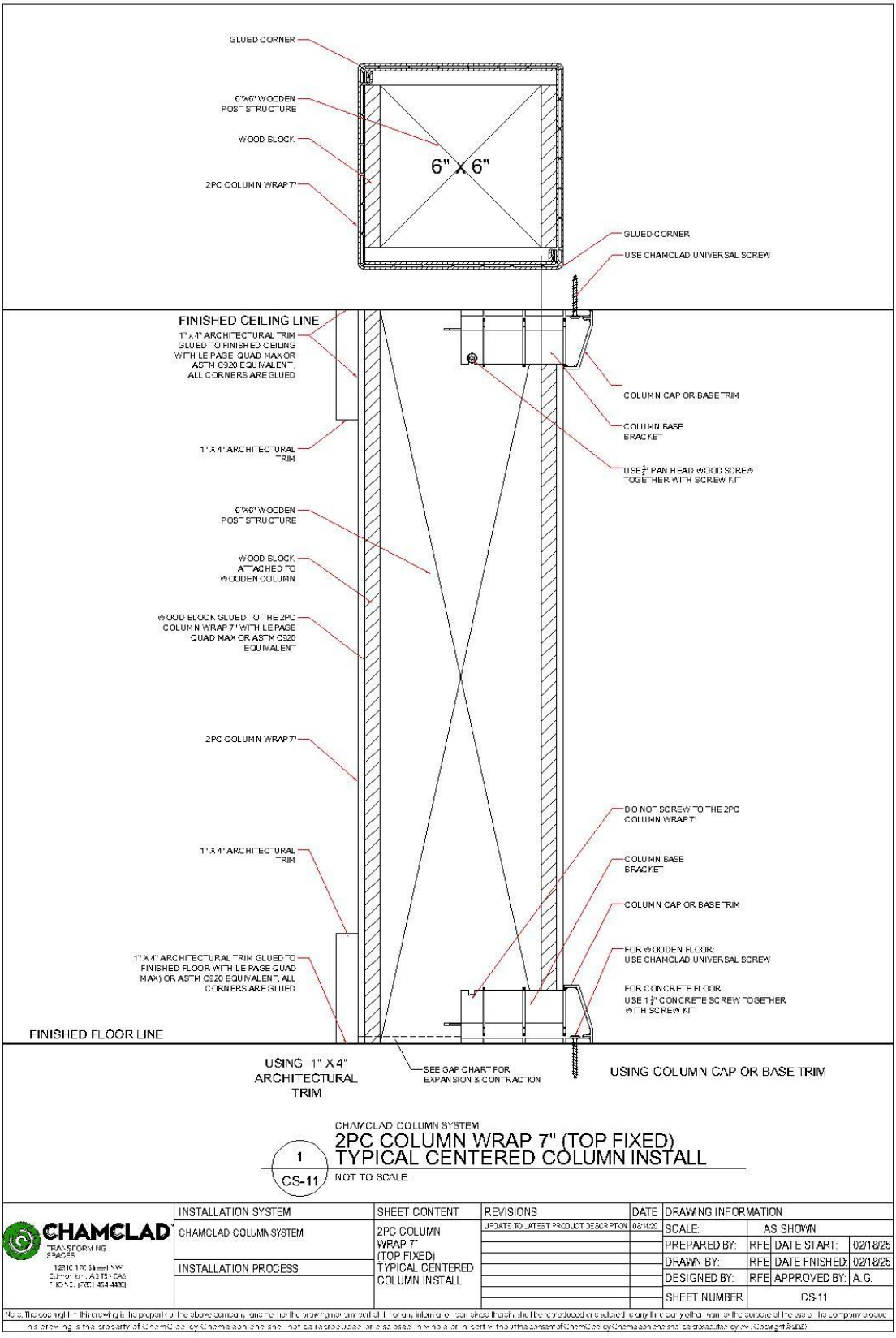
16.1 CS-09 - 2PC Column Wrap 7” Assembly with 1” x 4” Architectural Trim



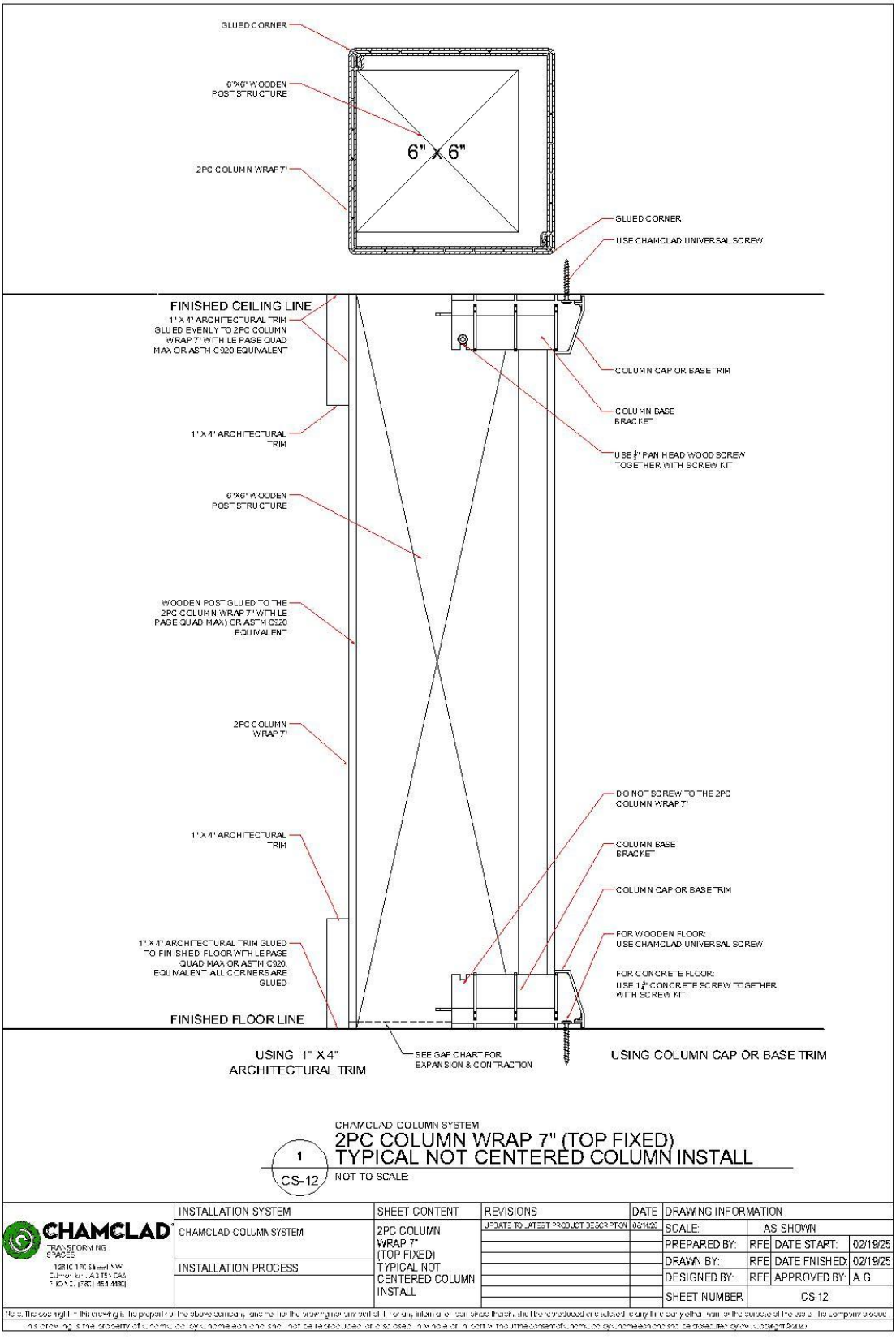
16.2 CS-10 - 2PC Column Wrap 7” Assembly with Column Cap Base



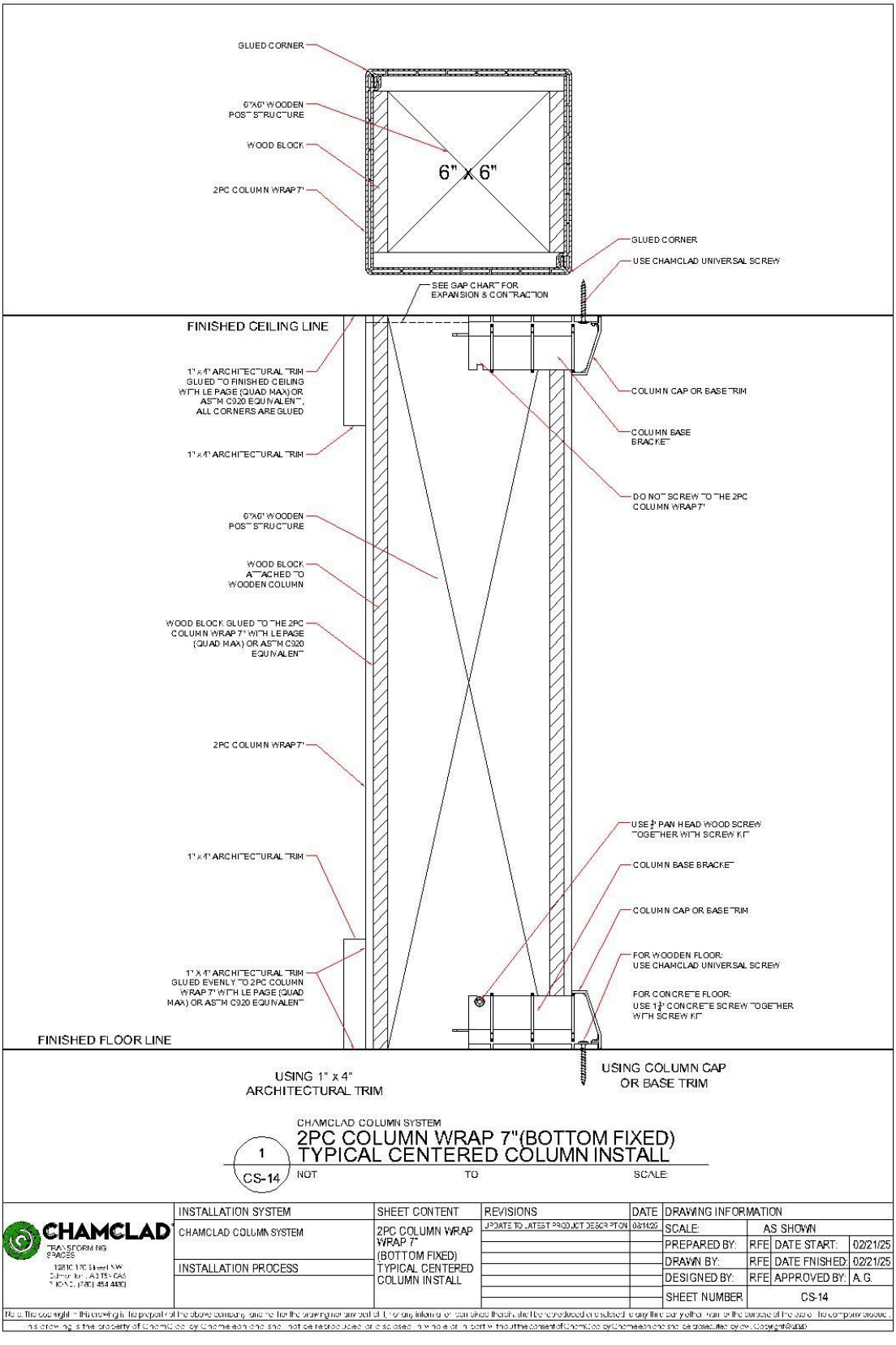
16.3 CS-11 - 2PC Column Wrap 7” (Top Fixed) Typical Centered Column Install



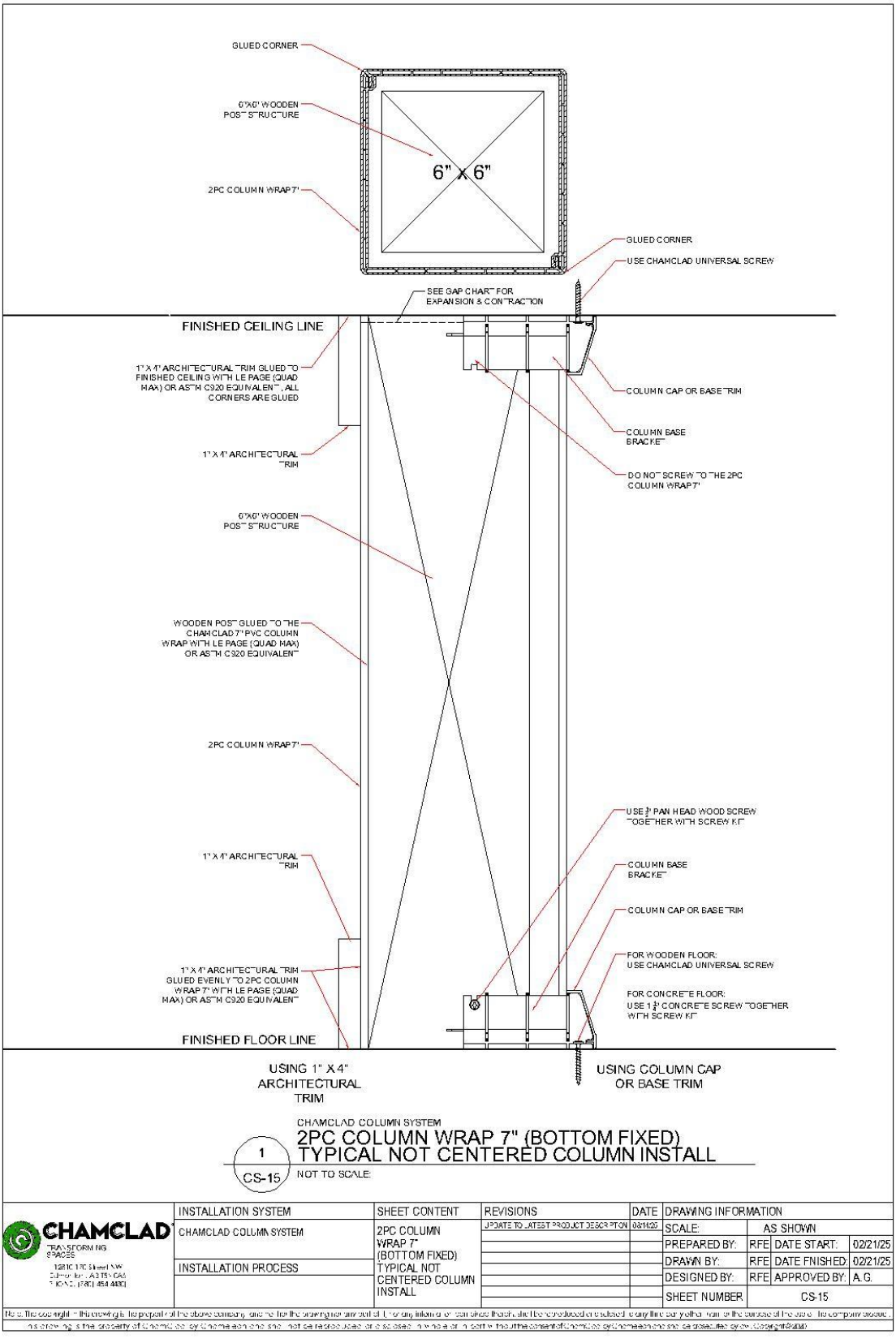
16.4 CS-12 - 2PC Column Wrap 7” (Top Fixed) Typical Not Centered Column Install



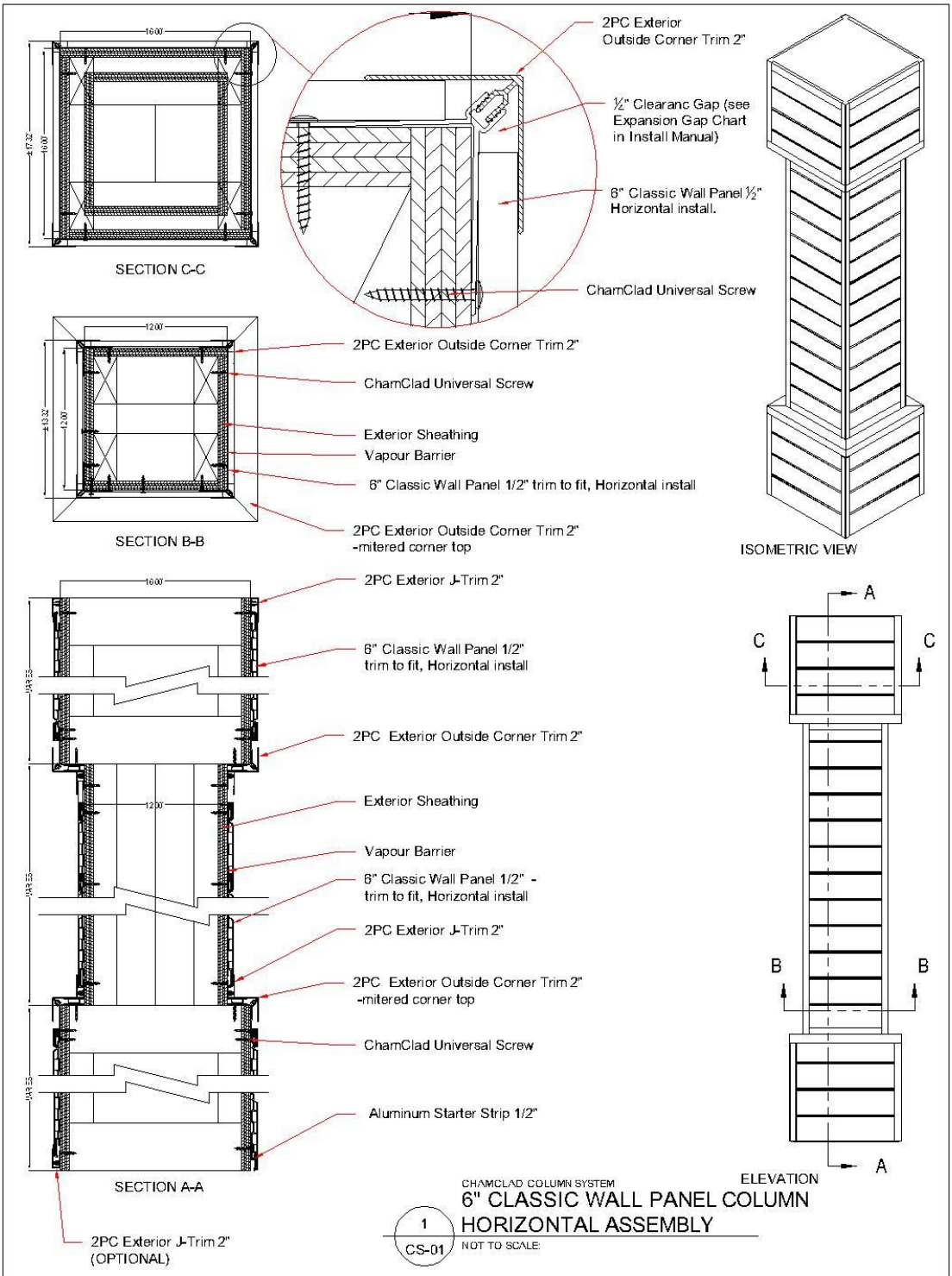
16.5 CS-14 - 2PC Column Wrap 7” (Bottom Fixed) Typical Centered Column Install



16.6 CS-15 - 2PC Column Wrap 7” (Bottom Fixed) Typical Not Centered Column Install



16.7 CS-01 - 6” Exterior Wall Panel Column – Horizontal Assembly



CHAMCLAD TRANSFORMING SPACES	INSTALLATION SYSTEM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION	
	CHAMCLAD COLUMN SYSTEM	6" CLASSIC WALL PANEL COLUMN HORIZONTAL ASSEMBLY	UPDATE TO LATEST PRODUCT DESCRIPTION	04/14/25	SCALE:	AS SHOWN
					PREPARED BY:	RFE DATE START: 02/21/25
	INSTALLATION PROCESS				DRAWN BY:	RFE DATE FINISHED: 02/21/25
	HORIZONTAL INSTALLATION				DESIGNED BY:	RFE APPROVED BY: A.G.
					SHEET NUMBER	CS-01

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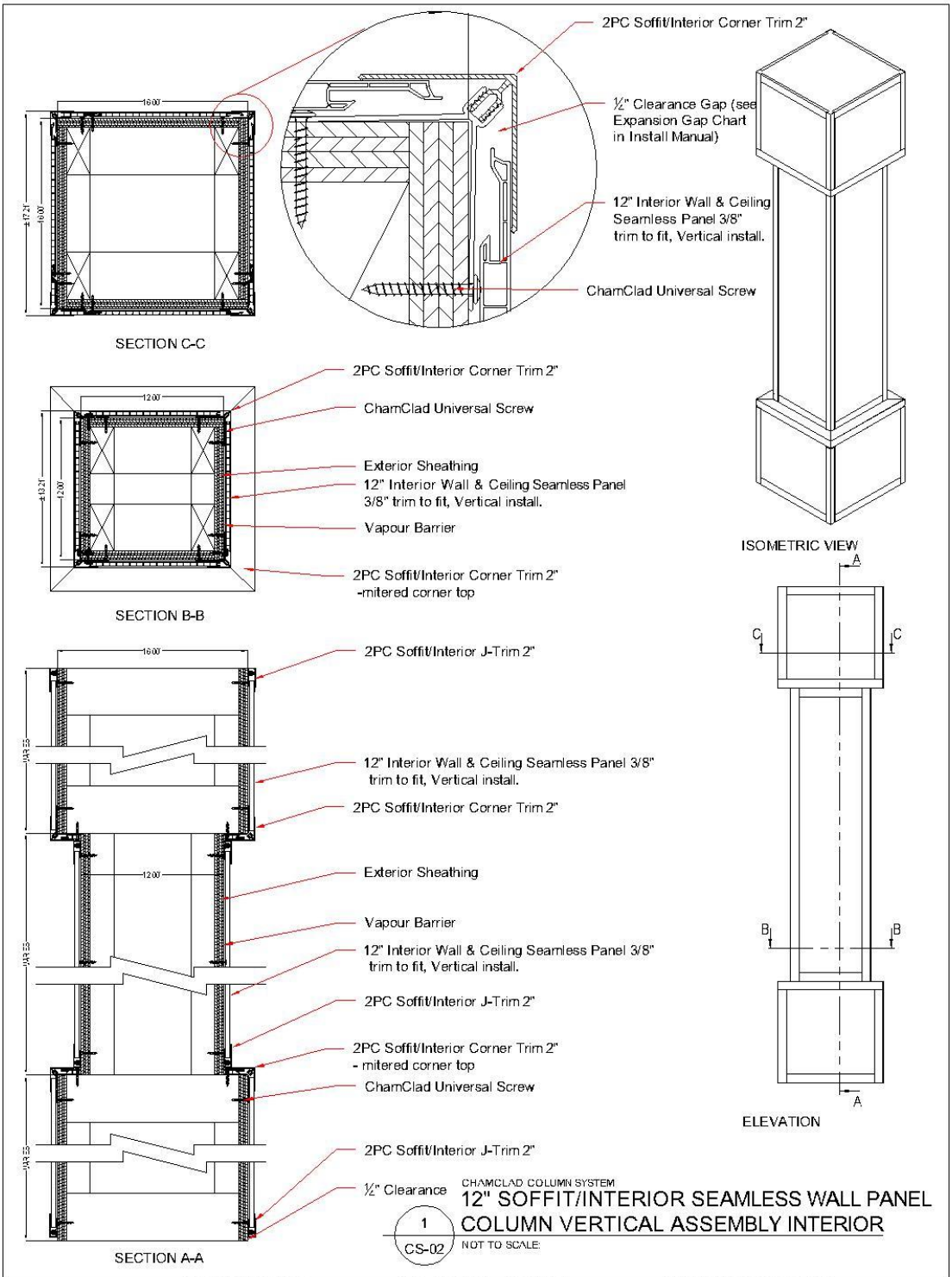
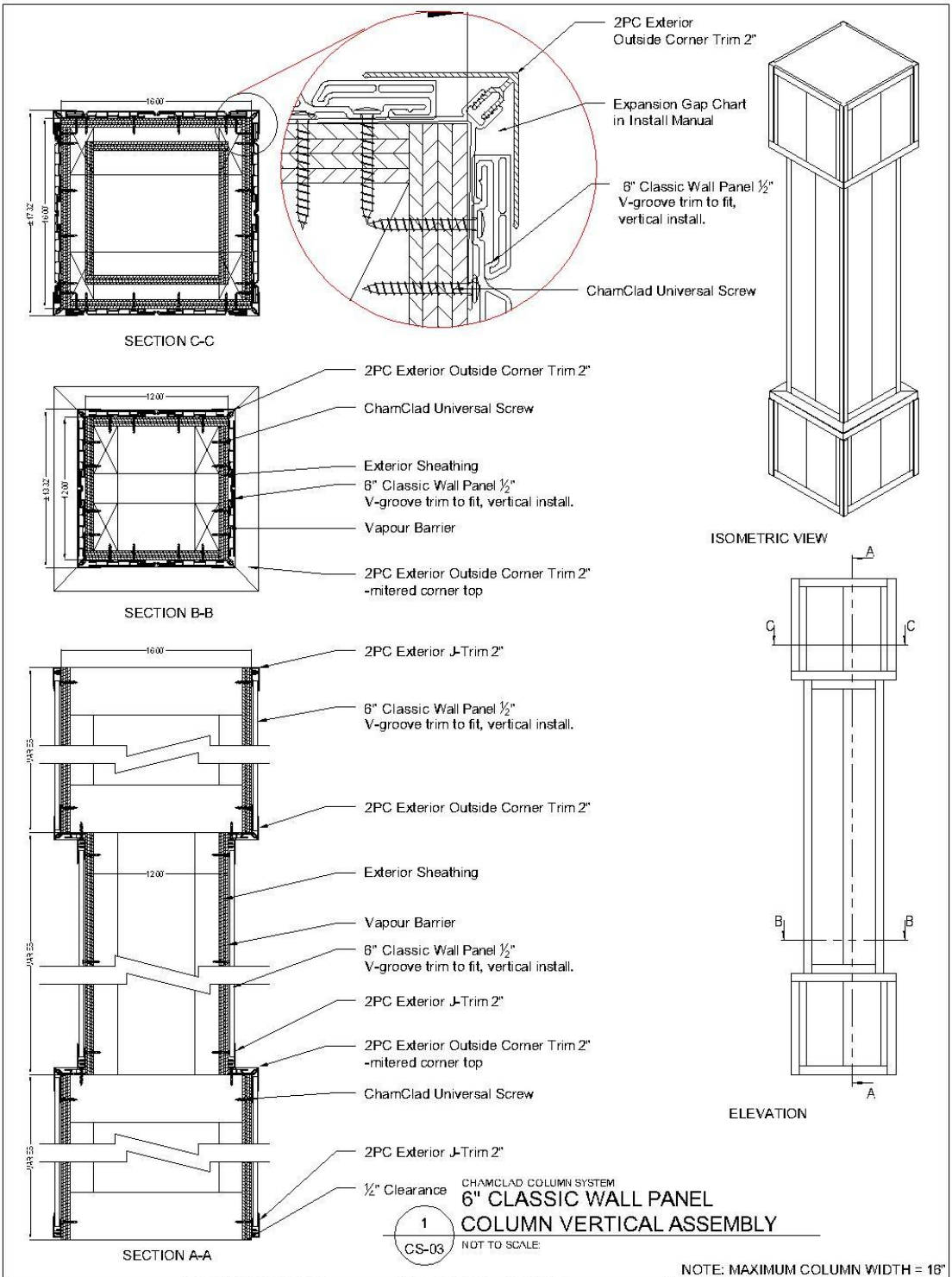
16.8 CS-02 - 12” Soffit/Interior Seamless Wall Panel- Column Vertical Assembly- Interior



16.9 CS-03 - 6” Exterior Wall Panel Column – Vertical Assembly



CHAMCLAD TRANSFORMING SPACES	INSTALLATION PROGRAM	SHEET CONTENT	REVISIONS	DATE	DRAWING INFORMATION	
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	VERTICAL INSTALL				DRAWN BY: RFE	DATE FINISHED: 11/12/23
					DESIGNED BY: RFE	APPROVED BY: A.G.
					SHEET NUMBER	CS-03

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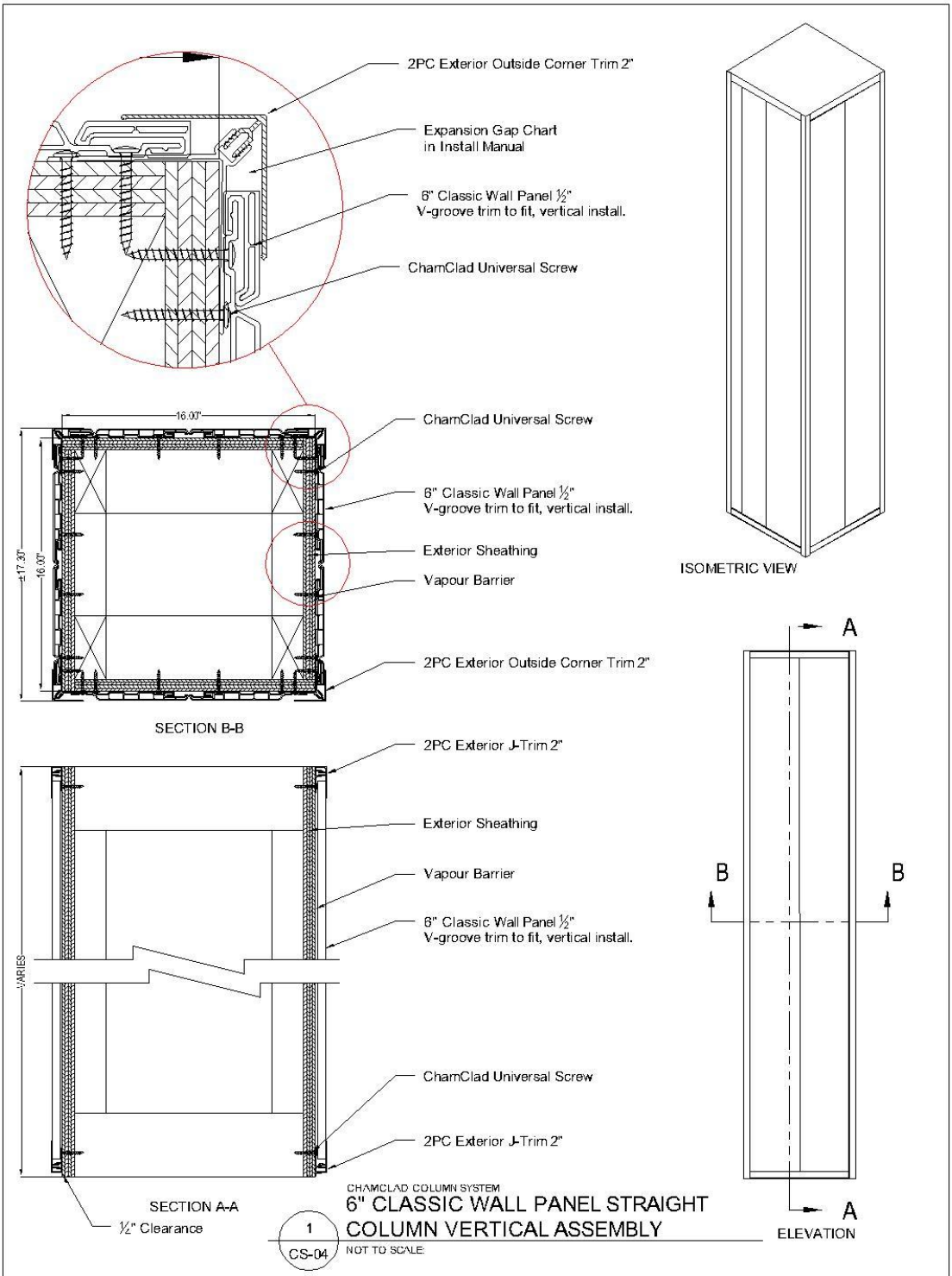
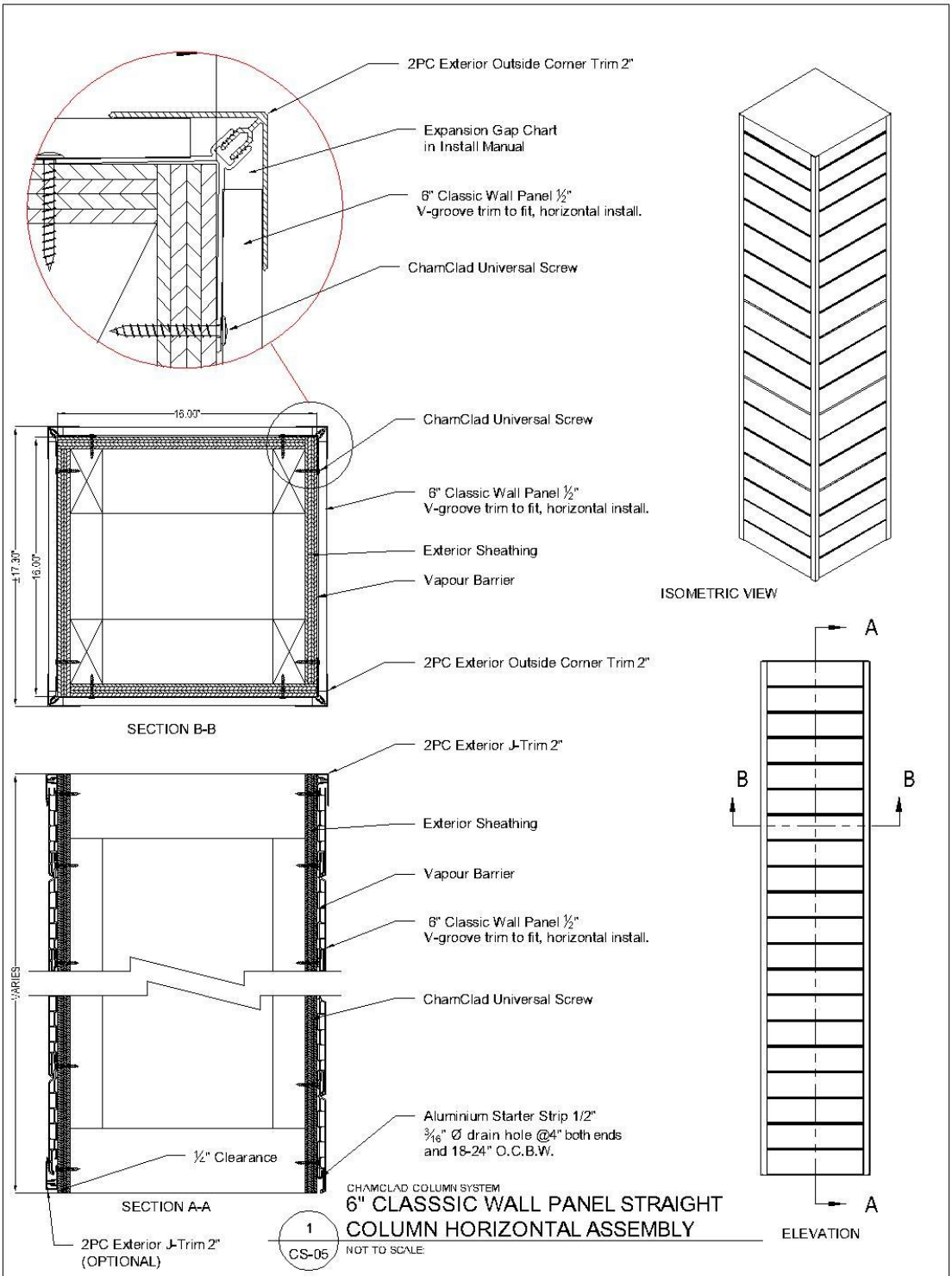
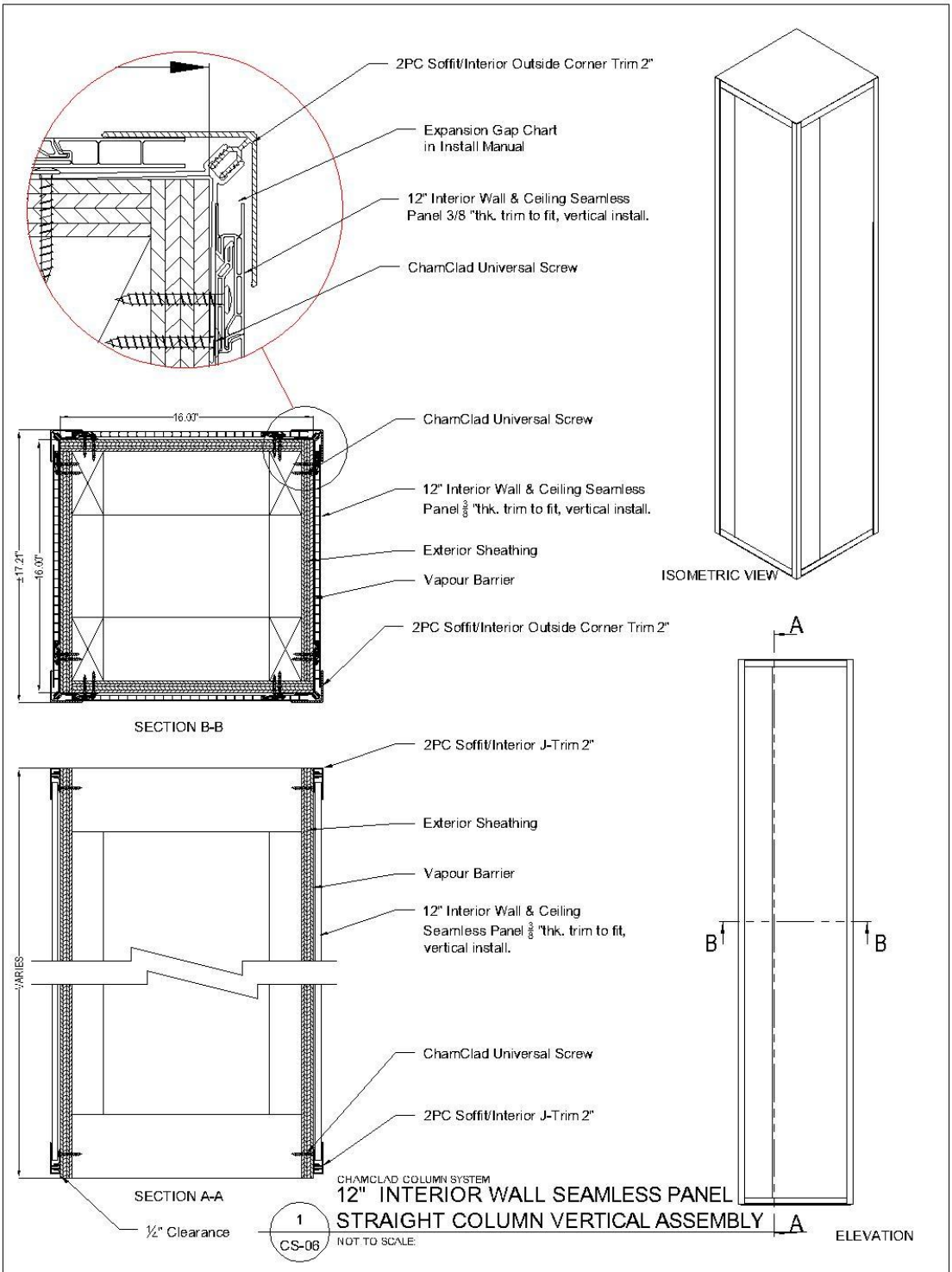
16.10 CS-04 - 6” Exterior Wall Panel Straight Column – Vertical Assembly



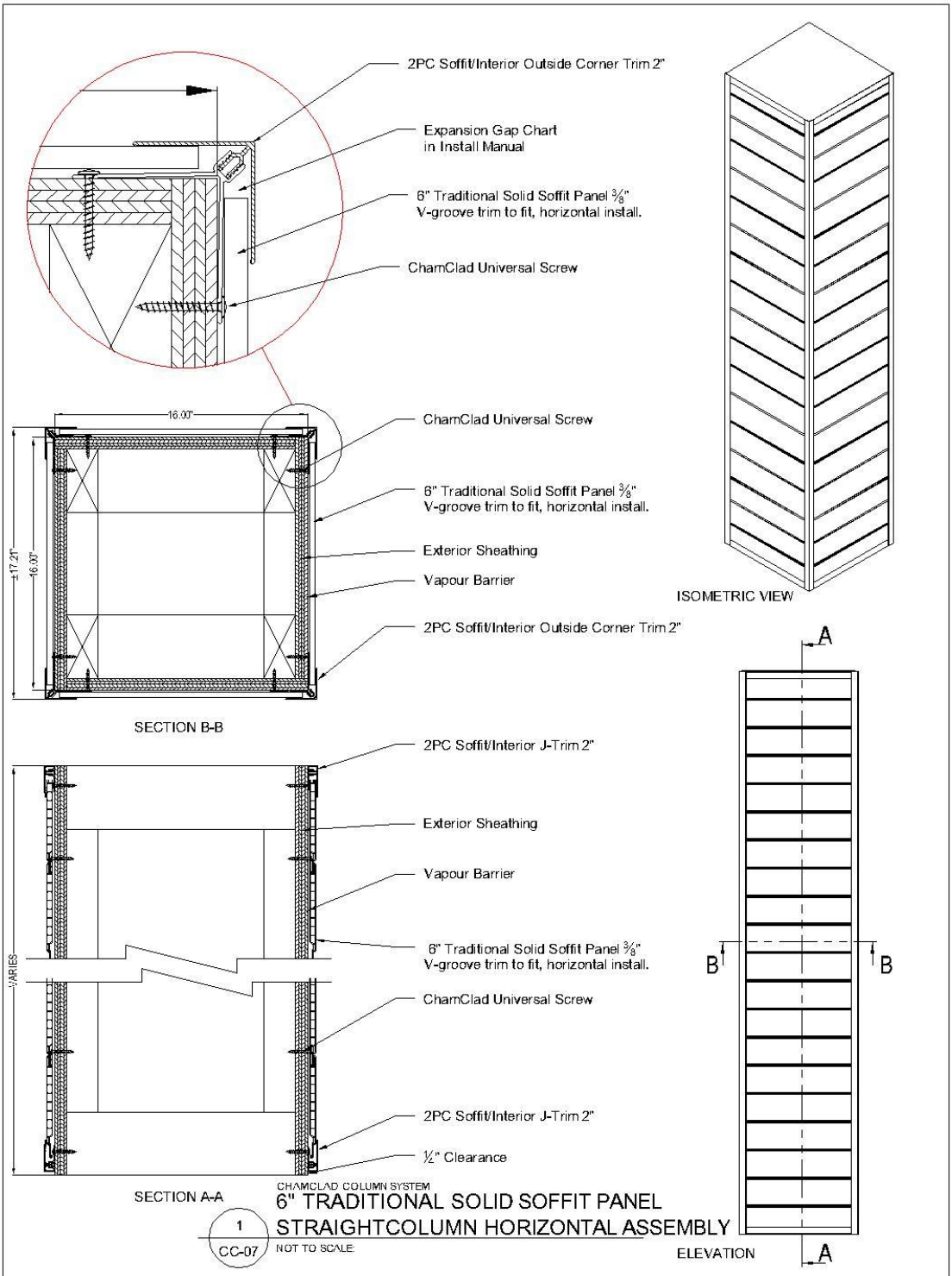
16.11 CS-05 - 6” Exterior Wall Panel Straight Column –Horizontal Assembly



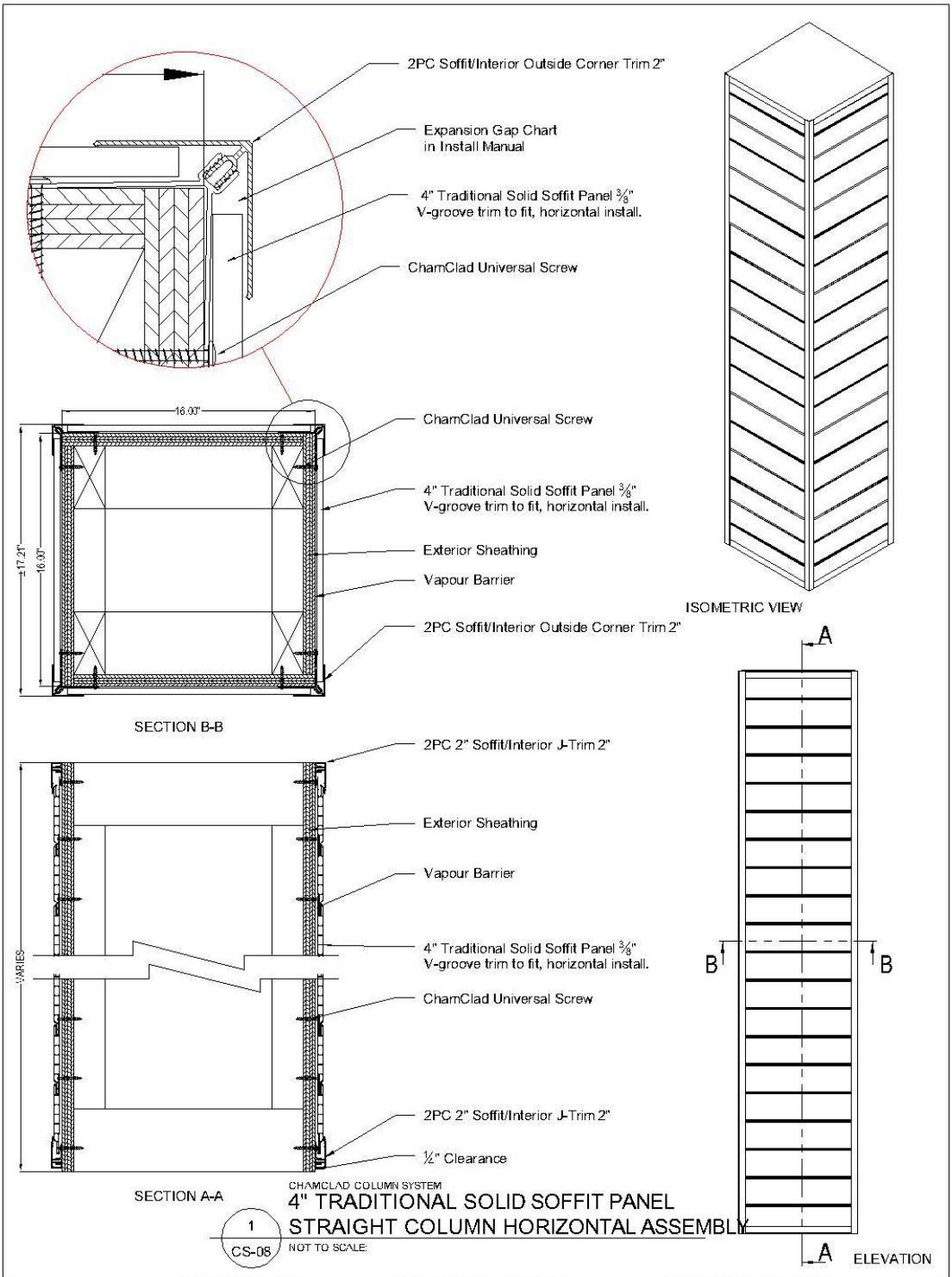
16.12 CS-06 - 12” Interior Wall Seamless Panel Straight Column – Vertical Assembly



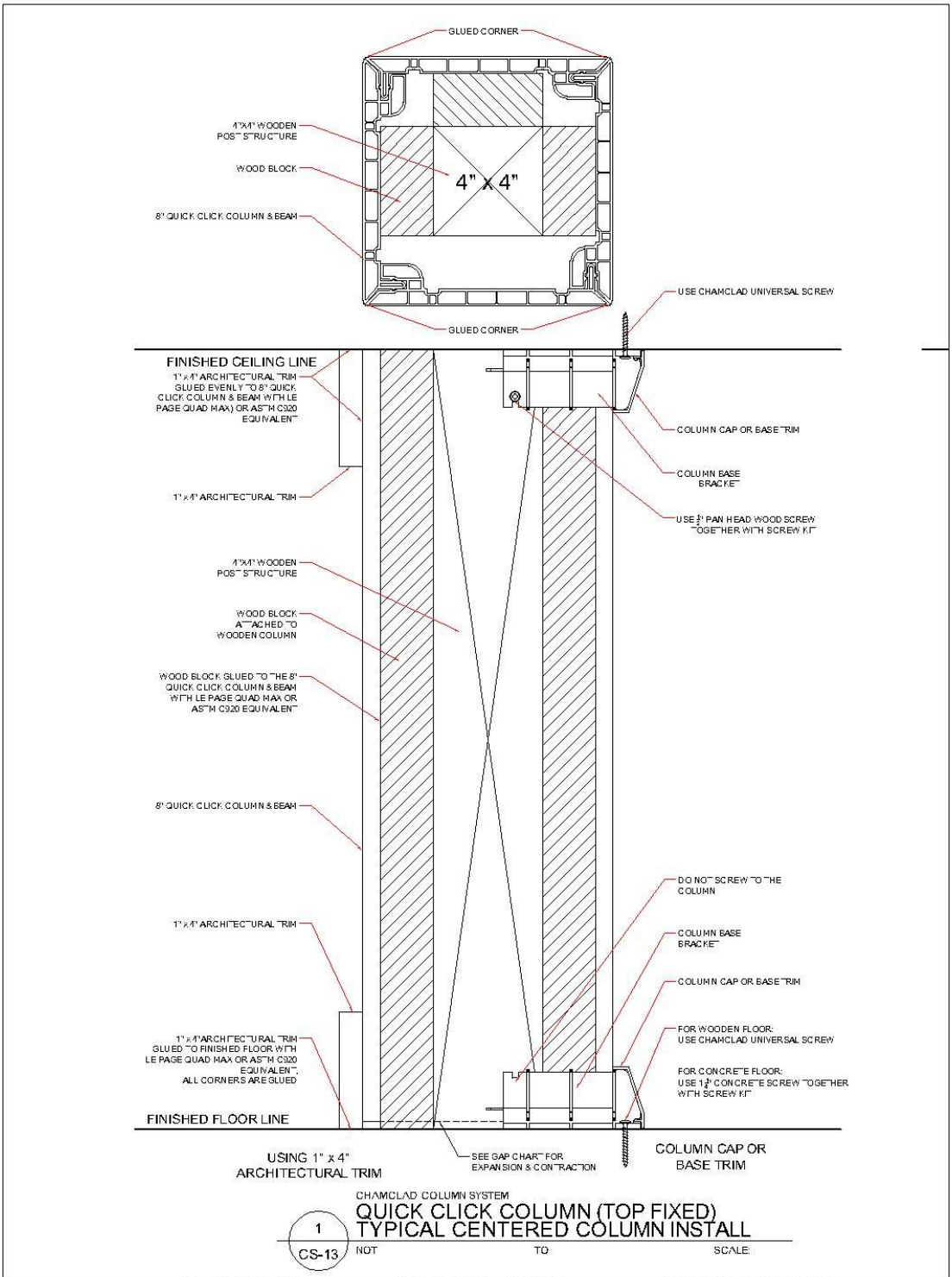
16.13 CS-07 - 6” Traditional Soffit Panel Straight Column – Horizontal Assembly



16.14 CS-08 - 4” Traditional Soffit Panel Straight Column – Horizontal Assembly



16.15 CS-13 - Quick Click Column (Top Fixed) Typical Centered Column Install



CHAMCLAD TRANSFORMING SPACES	INSTALLATION SYSTEM: CHAMCLAD COLUMN SYSTEM	SHEET CONTENT: QUICK CLICK COLUMN (TOP FIXED) TYPICAL CENTERED COLUMN INSTALL	REVISIONS: UPDATE TO LATEST PRODUCT DESCRIPTION	DATE: 04/14/25	DRAWING INFORMATION: SCALE: AS SHOWN; PREPARED BY: RFE; DATE START: 02/19/25; DRAWN BY: RFE; DATE FINISHED: 02/19/25; DESIGNED BY: RFE; APPROVED BY: A.G.; SHEET NUMBER: CS-13
	INSTALLATION PROCESS				

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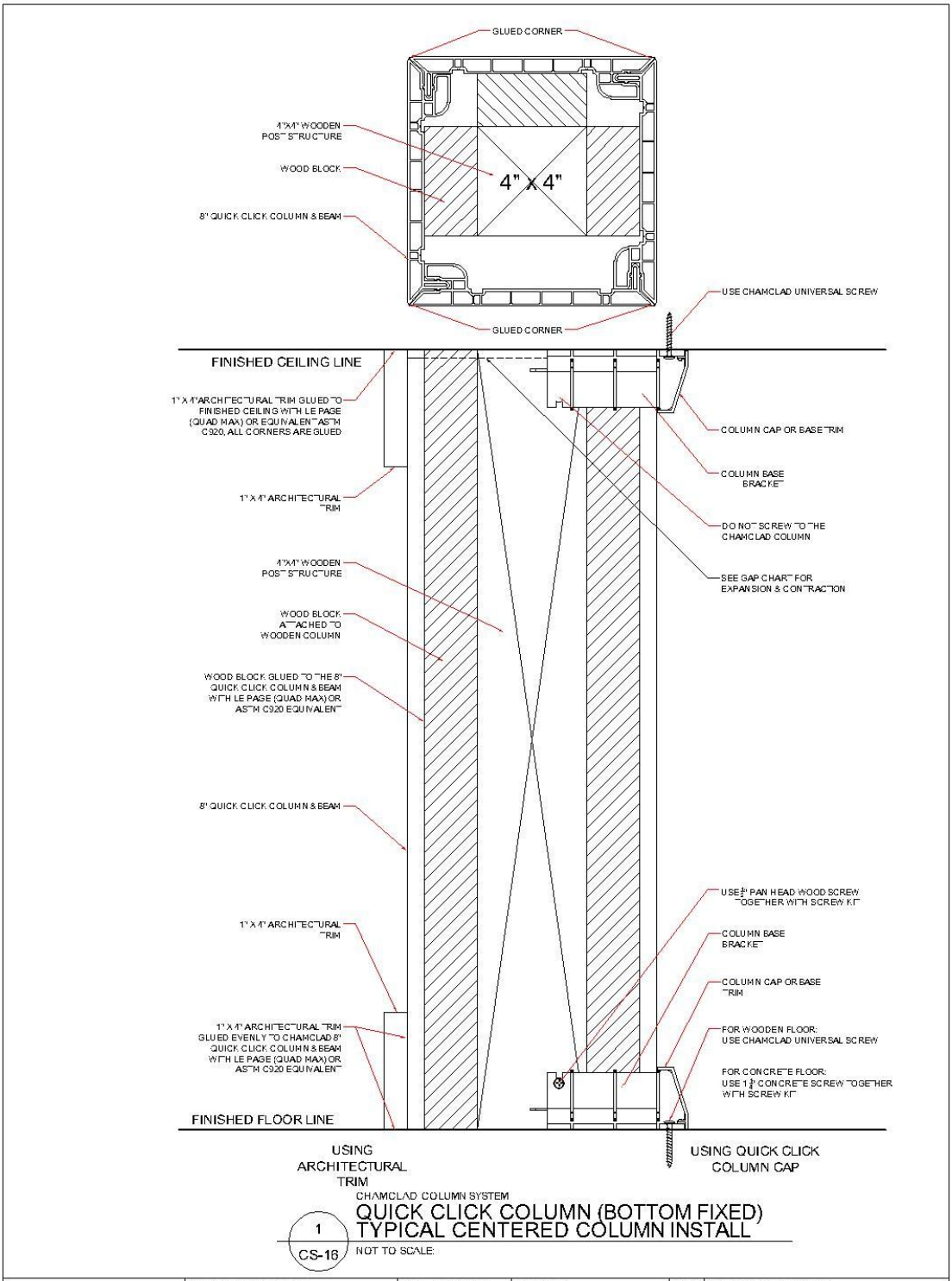
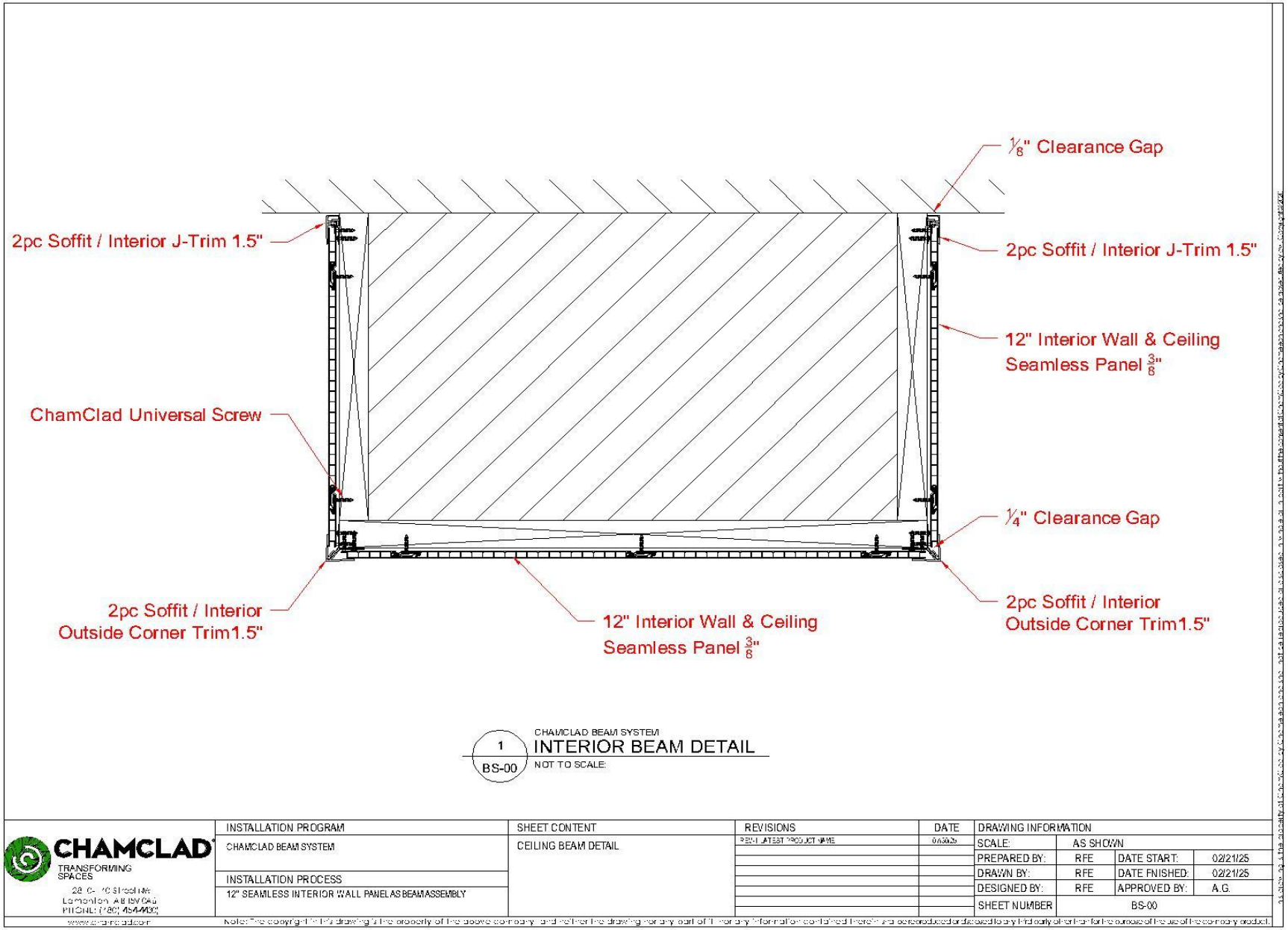
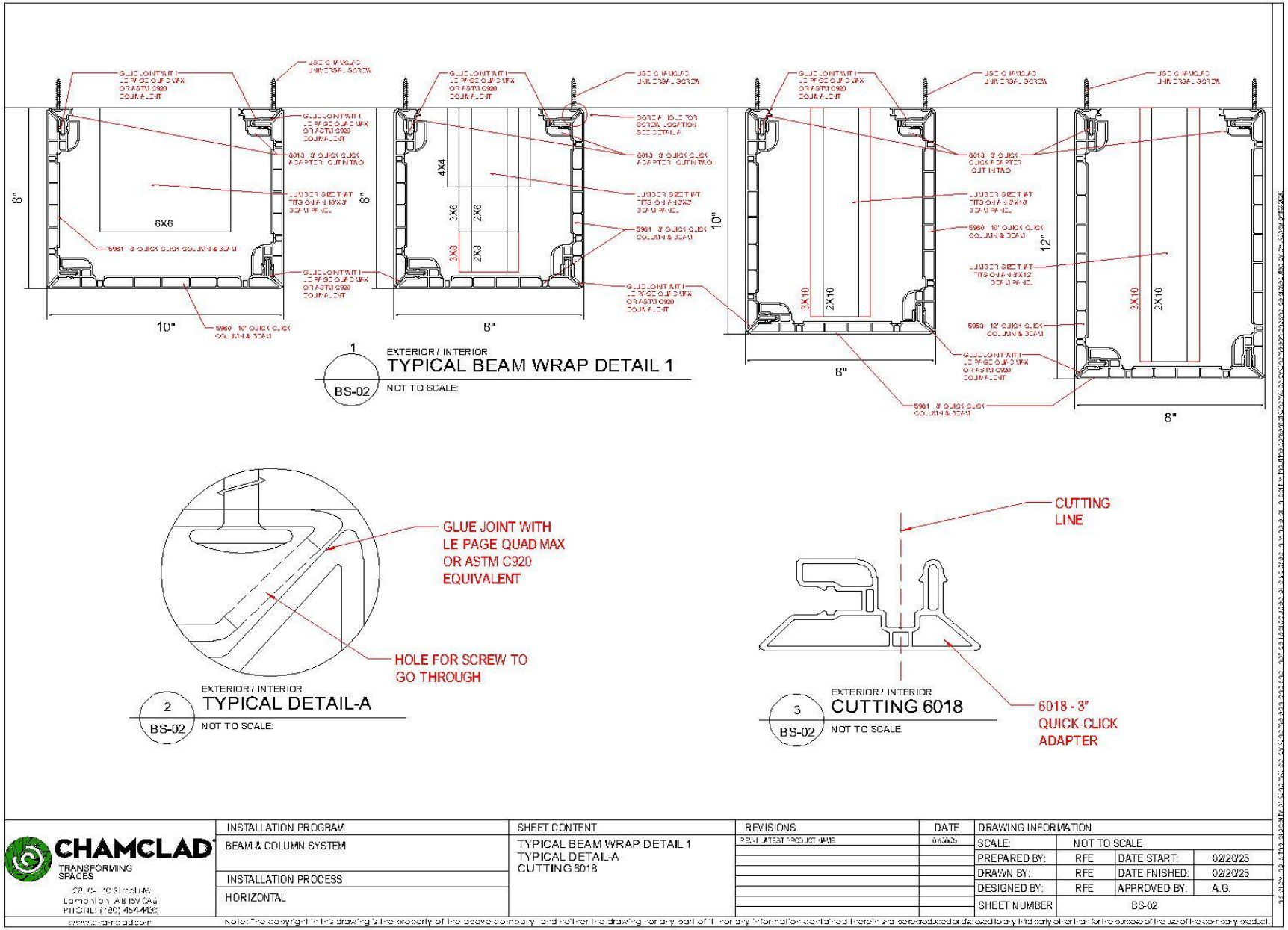
16.16 CS-16 - Quick Click Column (Bottom Fixed) Typical Centered Column Install



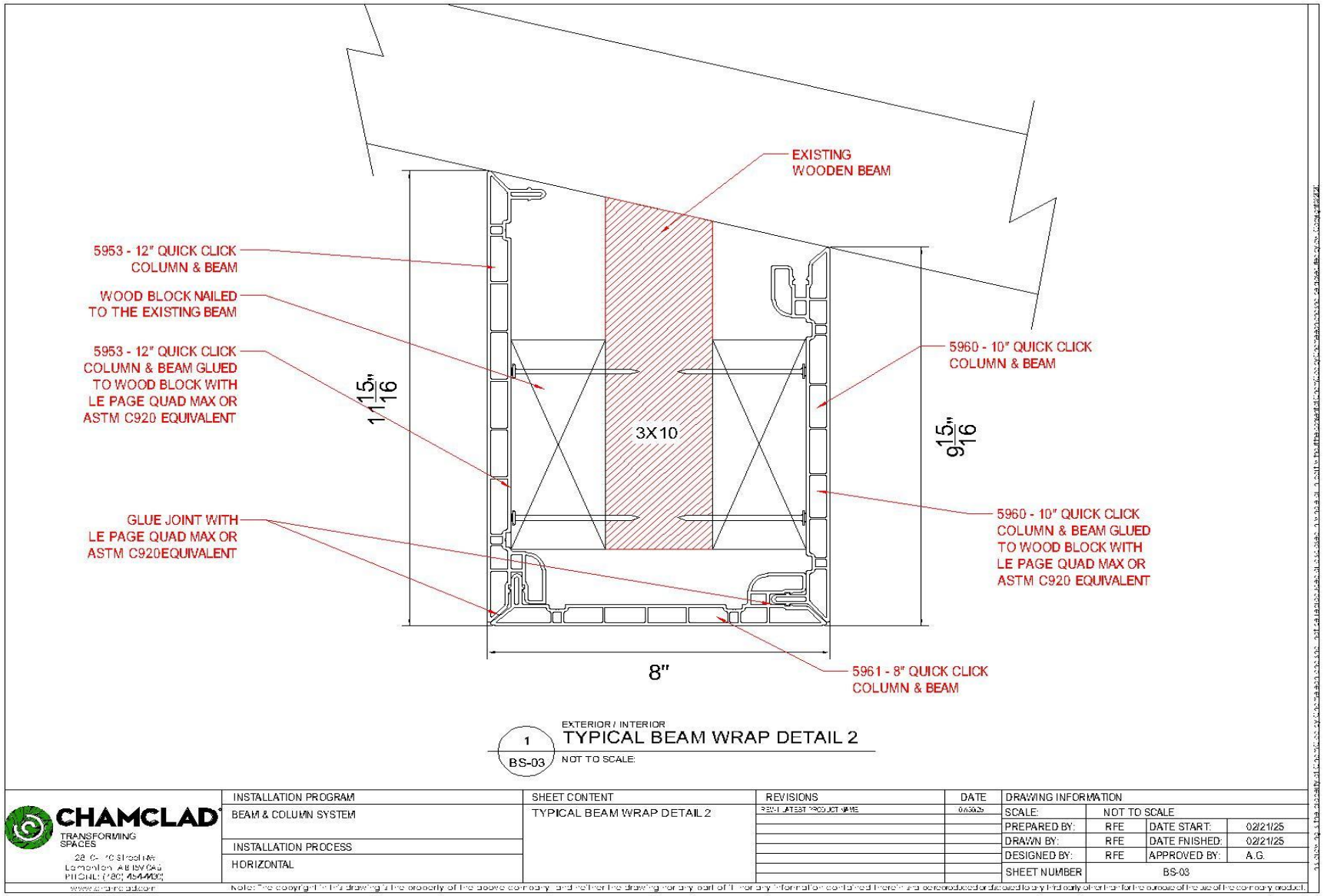
16.17 BS-00 – Interior Beam Detail



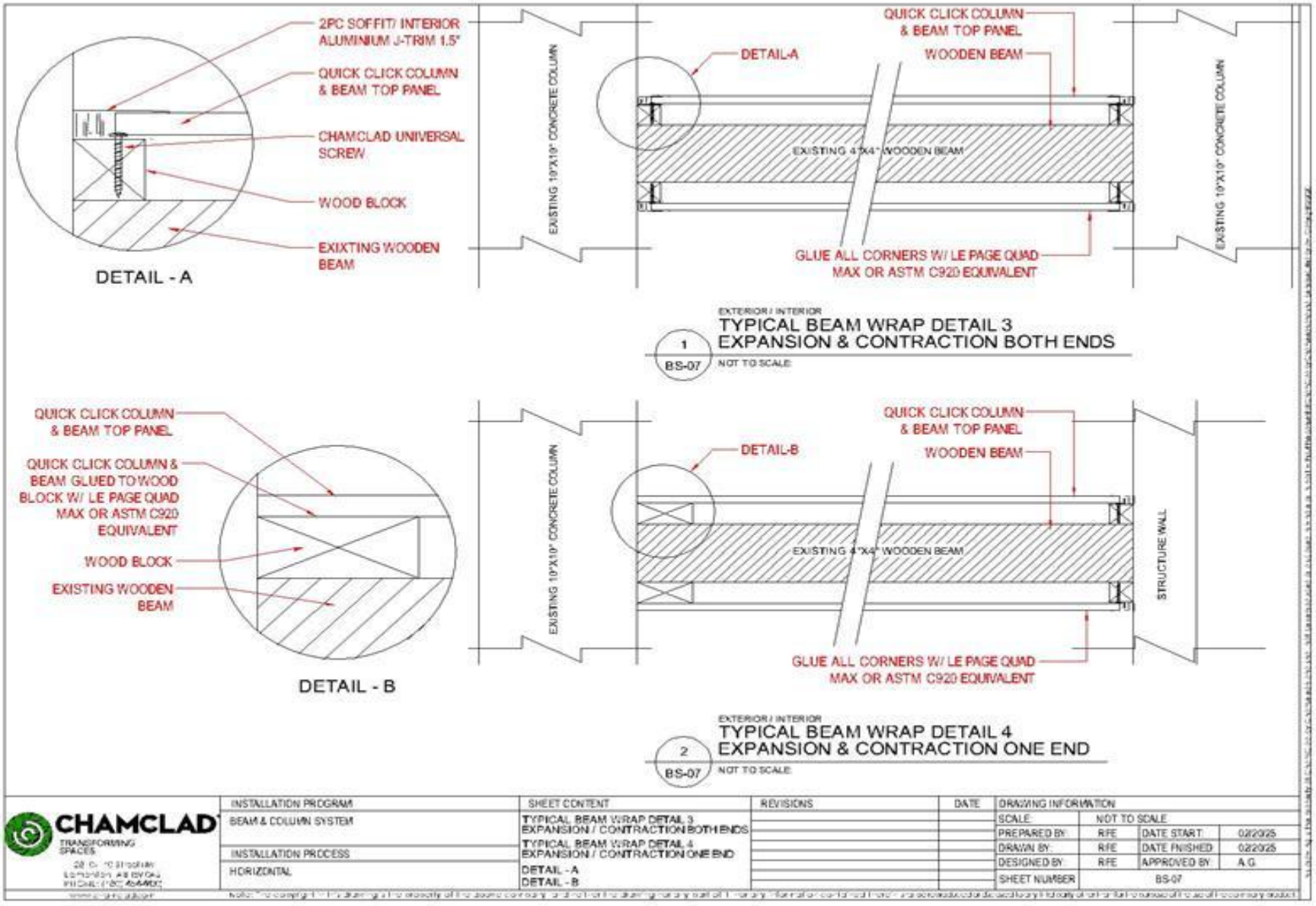
16.18 BS-02 – Typical Beam Wrap Detail 1



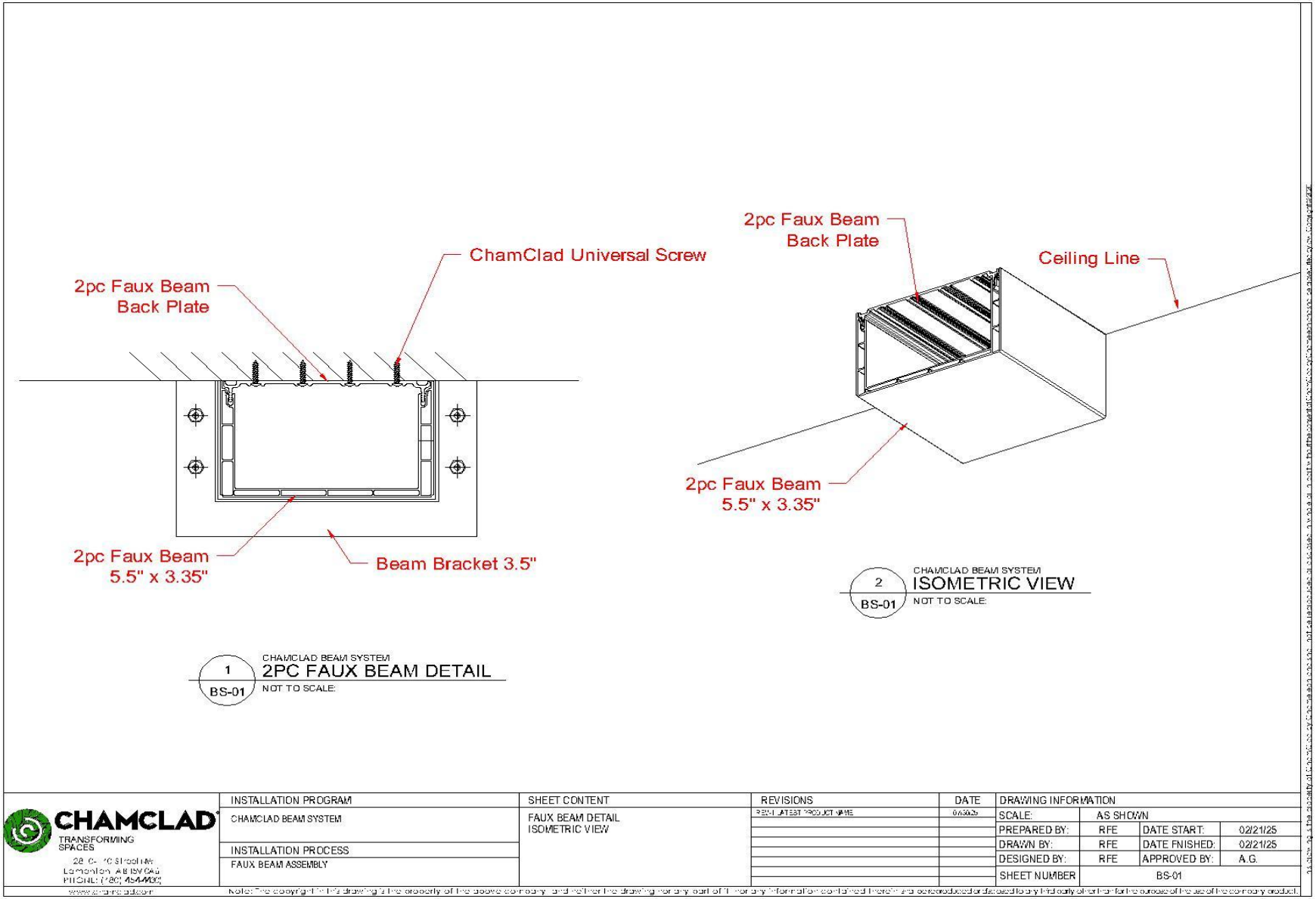
16.19 BS-03 – Typical Beam Wrap Detail 2



16.20 BS-07 - Typical Beam Wrap Detail 3 and 4 – Expansion & Contraction Both Ends



16.21 BS-01 – 2PC Faux Beam Detail



APPENDIX A – GENERAL INFORMATION & ADVISORY

This bulletin provides non-procedural information that supports—but does not replace—the Installation Manual. It covers certifications, product behavior notes, storage compatibility, and code responsibilities.

Certifications

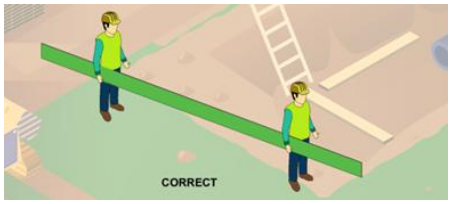
Certification scope, test standards, and applicability vary by profile and application. Always verify current evaluation reports and project-specific requirements.

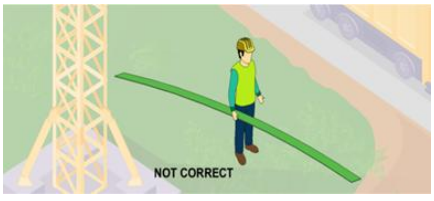
Product Background & Manufacturing Notes

- **Continuous improvement**: Our research and development team are committed to improving product durability and performance. As a result, documentation may change from time to time. Please check our website for the most recent documentation and bulletins.
- **Minor manufacturing irregularities**: 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.
- **Aluminum trim film shrink-back**: Periodically, 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.
- **Pattern repeat**: ChamClad® wall panels are laminated with a repeating pattern (48” or 1.2m). 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’ (1.2m) or less, use 2 boards with different patterns.
- **Inspection of Materials:** Inspect all material for any breakage, defects, damage, and colour before installing. Do not install product that is questionable. Contact ChamClad® customer service or your dealer for assistance. Installing defective material may void your product Warranty.

Transportation, Proper Handling & 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.
- 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.





- Products must be on a flat surface which supports the entire length of the boards and should be kept dry and 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).

Building Code Responsibilities

- 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).

Warranty & Documentation

- Read the **Installation Manual in full** before starting.
- Use the **latest** Manual and Bulletins from ChamClad.com.
- 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.
- Warranty documentation can be found on at Chamclad.com. Technical Resources - ChamClad

Contact

- **Technical/Engineering**: engineering@chamclad.com
- **Customer Service**: info@chamclad.com
- **Website**: https://chamclad.com
- **Warranty**
  - **Registration: info@chamclad.com**
  - **Claims: claims@chamclad.com**

This bulletin contains advisory content only. Follow the Installation Manual for step-by-step procedures and mandatory requirements.

APPENDIX B- FASTENER AND TOOL GUIDE

This appendix provides the technical and field guidance required for properly cutting and fastening ChamClad® panels. It is intended to be used with the Installation Manual.

Tools, Materials and Cutting



- 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

Fasteners

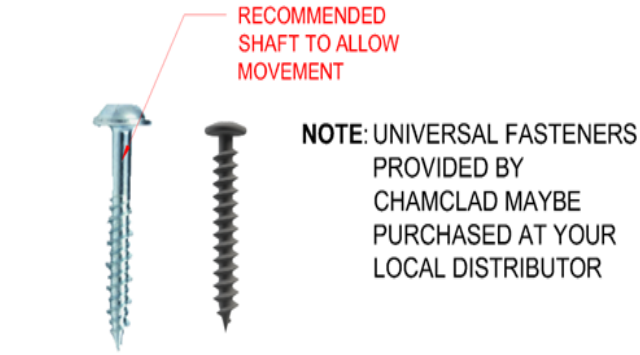
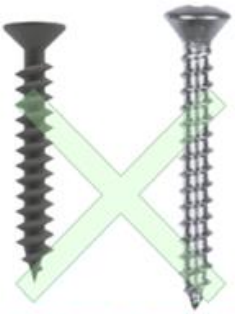
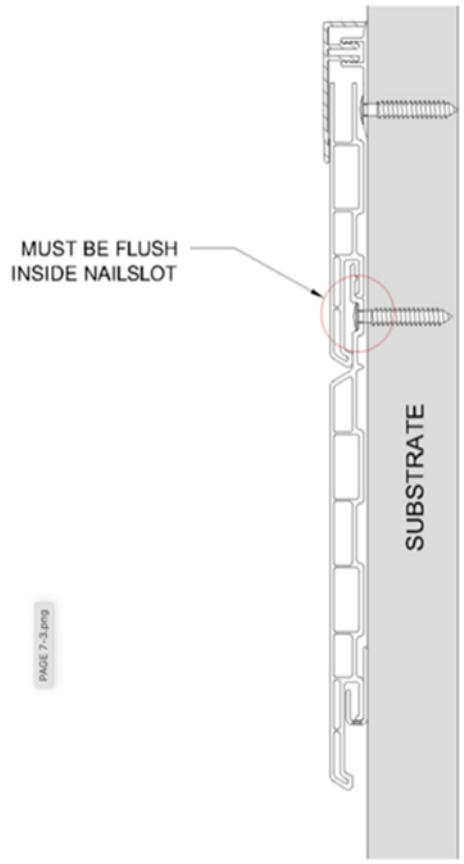
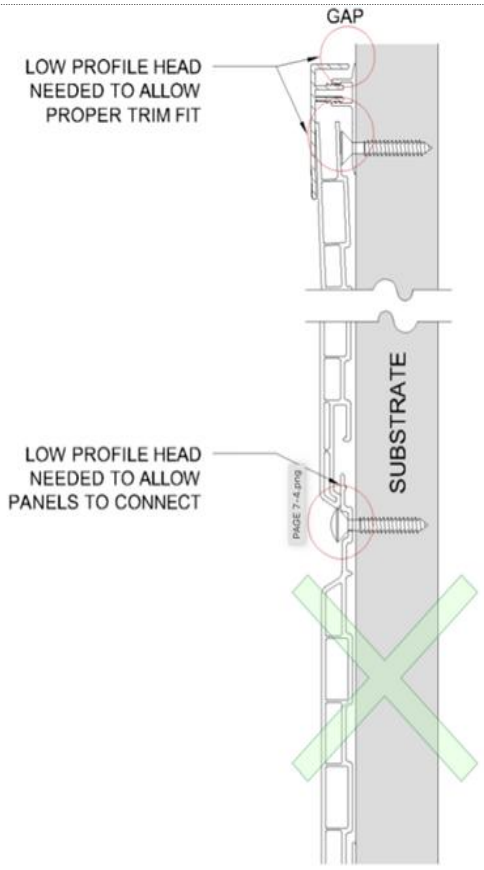
Fastener Size is critical to a successful ChamClad® installation. We recommend the following:

- 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" (32mm) 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" (38mm)). 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.
- When placing fasteners in the center of the designated nail slots, always leave a 1/32" (.8mm) gap between the fastener head and nail flange to allow ChamClad® panels expand/contract as needed.

Recommended Screw	
	**#8-10 ChamClad Universal Self Tapping 1 ½" Screw** #8 quad-drive 1 ½" (38mm)
	**#8-10 ChamClad Universal Self Tapping 2 ¾" Screw** #8 quad-drive 2 ¾" (70mm)
	**#8- 18 ChamClad Universal Self Drilling 1 ½"**
Examples of Alternate Screws:	
	**Exterior Wall** #8 1 ½" (38mm) 17 Self tapping Round Washer Lo-root
	**Modified Truss Quadrex Coarse Thread Screw Self-Drilling** #8 – 18 X 1 ½" (38mm)
Alternate Trim Fasteners	
	**Flat Head Roofing Nail*** 1 ¼" – 1 ½" *Prior to use, confirm that alternate fasteners are permitted by the applicable building code and approved by the local Authority Having Jurisdiction (AHJ).

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.

Proper Fastener and Installation

PROPER FASTENERS / INSTALLLATION	INCCORECT FASTENER / INSTALLATION
 **RECOMMENDED** LO-ROOT OR MODIFIED TRUSS HEAD	 **DO NOT USE** PAN-HEAD OR LOW TRUSS
 CORRECT INSTALL	 INCORRECT INSTALL

APPENDIX D- CARE AND MAINTENANCE

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.

To preserve the lifespan of your ChamClad® product and maintain its warranty, regular cleaning and inspection are essential.

- Minimum Cleaning Frequency: In normal or urban environments, we recommend cleaning your ChamClad® product every 12-18 months.
- High-Exposure Areas: In areas subject to high pollutants, such as industrial or coastal environments, we recommend cleaning your ChamClad® product every 8-12 months.
- Regular Inspections: Inspect the product frequently and promptly remove any debris or contaminants such as bird droppings. Prolonged contact with such materials may lead to staining, uneven wear, or surface damage.

Refer to the recommended maintenance guidelines below to ensure optimal care for your ChamClad® product.

General Cleaning:

- You may clean the surface with a soft cloth, sponge or soft bristle brush and a neutral detergent. It is recommended to use ChamClad® Product Cleaner (supplied by ChamClad®) and/or a soap, or liquid cleaner (in non-concentrated form) such as Simple Green. Follow with a thorough rinsing of fresh water to ensure all cleaner has been removed.
- If marking has occurred from board-to-board friction, you may clean it with a soft cloth soaked in water and soap. Allow the cloth to sit on the area for 60 seconds. Panels should be rinsed thoroughly with clean water.
- To avoid streaking start at the top of the wall – working your way to the bottom.
- You may pressure wash ChamClad® panels with a low PSI pressure washer. DO NOT exceed 1500 PSI.

DO NOT:

- Do not use solvents when cleaning panels. Solvents may damage the protective layers in the film.
- Do not wash panels with a pressure washer at close range.
- Do not use abrasive, erosive, or caustic solvents to clean ChamClad® panels as they can dull and/or damage the panel finish and will void the warranty.

Should you experience removal difficulties, please contact us via email.

CHAMCLAD®

TRANSFORMING
SPACES