



INSTALLATION MANUAL FOR FOUNDATION & SKIRTING

ENGINEERED FOR HASSLE FREE INSTALLATION

TrimLock 20" Foundation & Skirting panel (Insulated Metal Panel, IMP) is purposely designed for simple installation, with less job site hassle by one installer.

All TrimLock cladding products follow the guidance of a Passive Build & Green build Canada application and performance level.

Before you install Trimlock IMP, learn your local building code requirements and how the codes relate to the instructions given in this manual.

Installers need to be aware of building code requirements in the geographic areas where they are installing, and how the codes relate to the instructions given in this manual.

Local building codes must always be observed, they are the legal representation for an installation in a given jurisdiction, however, local codes are based on the national model building codes. Model codes themselves do not have the force of law until they are adopted by a province or local jurisdiction.

In Canada, the primary model code is the National Building Code of Canada (NBC), published by the National Research Council of Canada. TrimLock IMP panel procedures follow global recognized metal sandwich panel and exterior insulating finishing systems that follow install guidelines in order to provide best performance. However, any specific requirement in a local code will usually override any provision of the manufacturer's instructions, especially if the local requirement is more restrictive. Therefore, TrimLock insulated metal panel installations must always conform to local building codes, however local code may also require that the installation conform to the siding manufacturer's instructions.

INSTALLING FOR WIND LOAD RESISTANCE

TrimLock IMP system is remarkably untouched by high wind, given its light weight and relatively simple installation, but in order for it to perform to its potential, it must be properly installed.

Installation fastening procedures are a standard guide to the global IMP market. Installers need to assure that the panel is installed in a way that allows it to meet these standards. The instructions in this manual provide the minimum requirements for most installation situations. However, TrimLock may have different instructions of the products, or may have special installation requirements that apply in high wind locations. Always consult the manufacturer's instructions before starting an IMP installation.



STORAGE

When transporting TrimLock IMP to a job site, make certain to keep the crates flat and supported along their entire length. At the job site, take the following precautions when storing TrimLock IMP crates:

- Store the crates on a flat surface and support the entire length of the crate.
- Keep the product dry, the product is intended for vertical installation for proper water-shed.
- Store the crates away from areas where falling objects or other activity that may cause damage.
- Do not store the crates in stacks more than two crates high at 50" tall each crate.
- Do not store the crate in any location where temperatures may exceed 130° F/54.4°C (e.g., on blacktop pavement, under dark tarps or plastic wraps without air circulation).

DISPOSAL/RECYCLING

Dispose of all scrap or excess material in a manner that is consistent with local and provincial rules and regulations. EPS is a material that can be recycled.

CLEANUP

TrimLock IMP product line is maintained with little to no effort. It is possible to wash it down with an ordinary garden hose and or pressure washer (If using a pressure washer keep the pressure end off the wall at least 18" to avoid full water pressure on the product).

Soft brushing may be used for heavy dirt deposits such as mud. When washing down the wall, start at the top and work towards the bottom in order to prevent streaking.

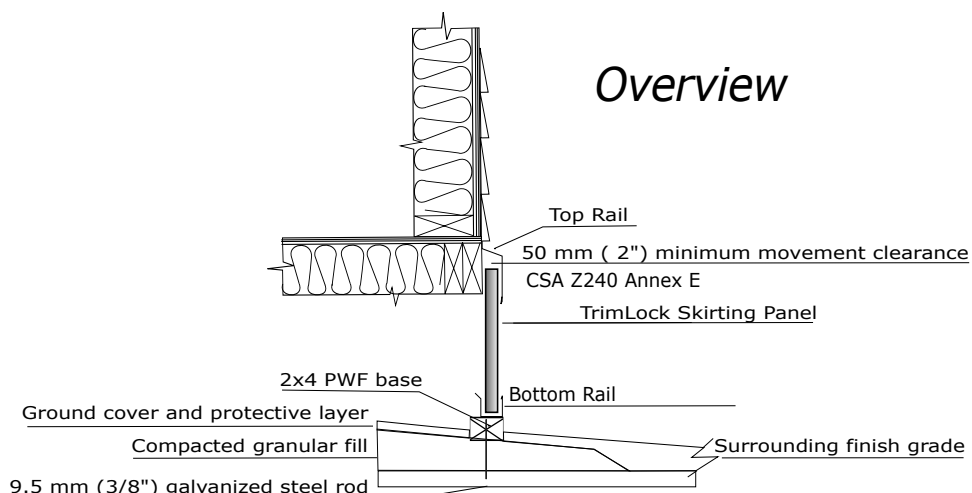
20" Installation Instructions CSA Z240 Compliance

Proper site preparation must be completed in accordance to local building codes. The illustrations and install instructions in the manual are for general purpose, site conditions may require alterations as needed for the install.

Read and follow the instructions to perform the installation of the TrimLock Skirting products for a hassle free install.

****Note:** When installing, handle the product with with care

- Do not drag the panels face to face
- For best results cut each panel from the back side to keep the finished face clean
- Site preparation along with placement of 2X4 base, is essential for a proper install



Note: Minimum movement clearance is to accommodate movement in areas susceptible to frost heave
Wood in contact with ground should be PWF treated lumber



Tools Needed:

- Tape measure
- Skill Saw & Saw Blade
- Level
- Drill
- Sawhorse / Work Table
- Hammer
- Tin Snips
- Caulking gun & Caulk
- Safety equipment gloves/ear plugs/glasses
- TrimLock install kit

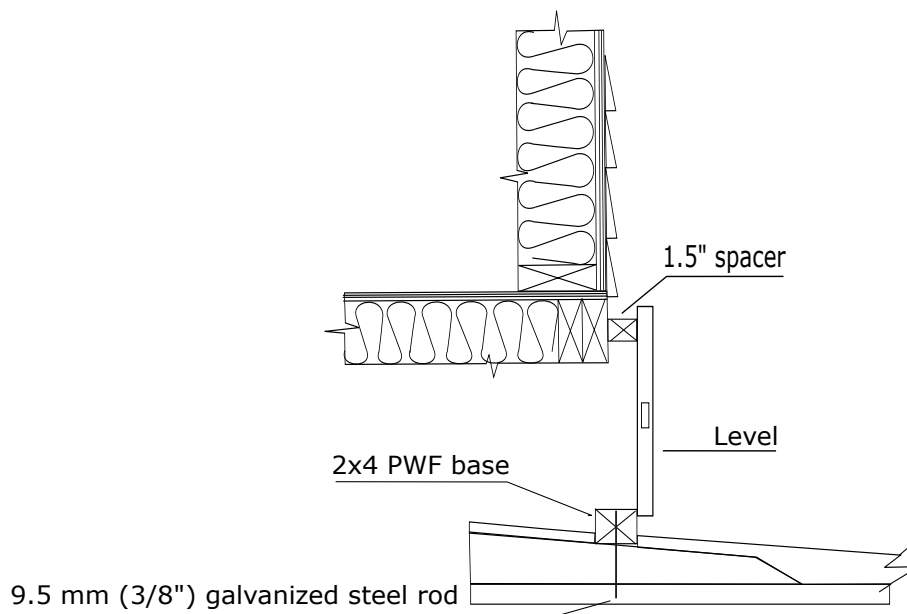


Step 1 - 2x4 perimeter placement

Drill holes into the 2x4 to accommodate spikes to pin into the ground, 2nd option is to tie bracing to the pilings that the home is resting on to secure the 2x4 perimeter.

Place the 2x4 PWF base around the perimeter.

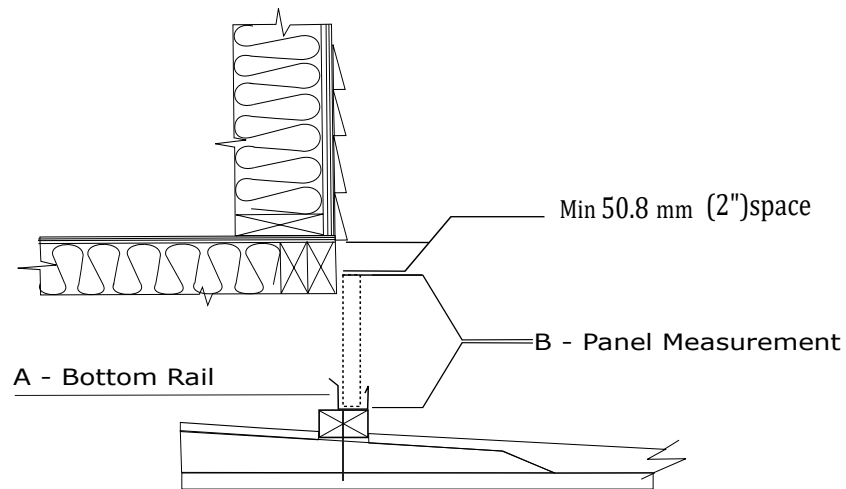
The outside edge of the 2x4 will be set out from plumb level of the face edge of the home by 38.1mm (1.5"). As the picture shows use a small piece of 2x4 as a temporary spacer to simulate the thickness of the skirting panel. Use this method to plumb level the outside edge of the 2x4 for a clean flush finish after installing the skirting.



Step 2 - Bottom Rail Placement & Panel Cut Height

A- Fasten the bottom rail to the outside edge of the 2x4 with coated deck screws. see the video at www.trimlock.ca for a demonstration on how to cut the bottom rail for the corners.

B- Measure required panel height as you move down the wall. From the J-trim, measure up to the bottom of the home siding and subtract a minimum of 50.8mm (2") for clearance at the top of each panel. This allows for ground movement during freeze-thaw cycles.



Step 3 - Cutting of the Panel

Mark out the measured panel needed from step 2B

For best results cut from the back side of panel

Cut using skill saw, grinder and metal blade

Note: Take safety measures with eye and ear protection when cutting all materials



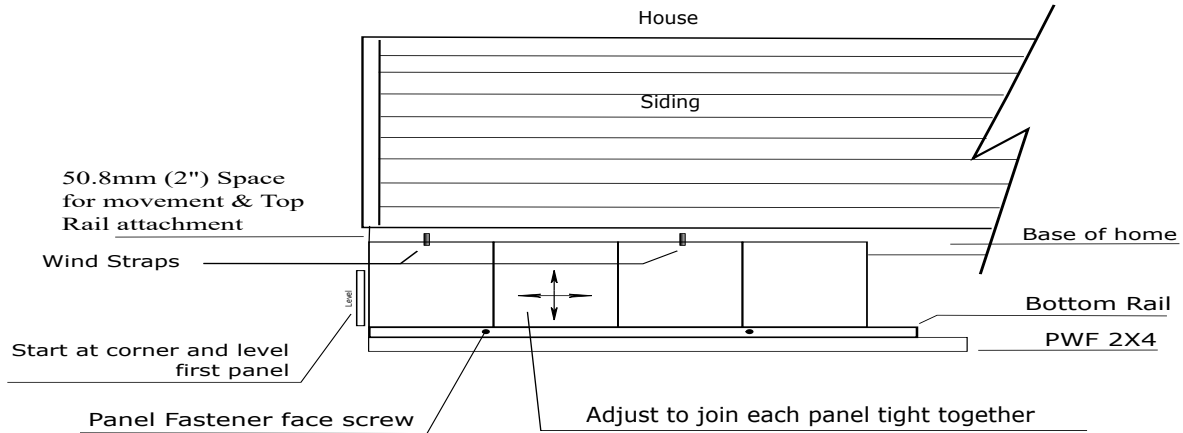
Step 4 - Panel Placement

A – Start at the corner, insert the first panel into the bottom rail. Level the first panel vertically leaving minimum 50.8mm (2”) space at the top for the top rail and movement clearance.

Note: Wind straps are to be placed loosely to allow for panel movement.

B - Secure the panel in place with a face screw at the bottom J-trim. Attach a wind strap to each panel and the exposed part of the home. Continue down the length of the home checking frequently for plumb level.

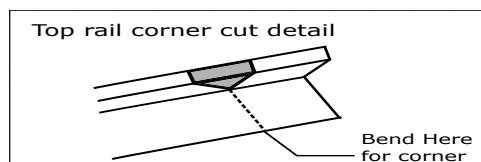
**NOTE* With the length of each home there will always need to be a panel where the metal edge needs to be cut off. Always make this to be at an outside corner, this will provide the greatest strength and the best finished appearance possible. (Utilities are the exception see diagram "Utility cut")*



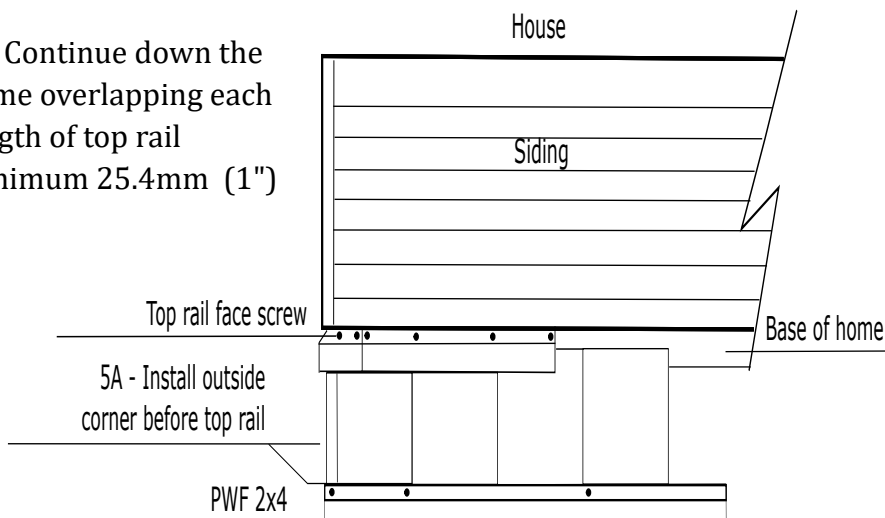
Step 5- Top Rail Placement

A – Install an outside 90 degree corner and secure with a screw at the bottom through the J-Trim.

B – Cut first piece of top rail as shown in diagram then bend to form a 90 degree corner. Install the top rail at the corner as tight as possible under the siding. Secure along the top flange with screws provided in the install kit.



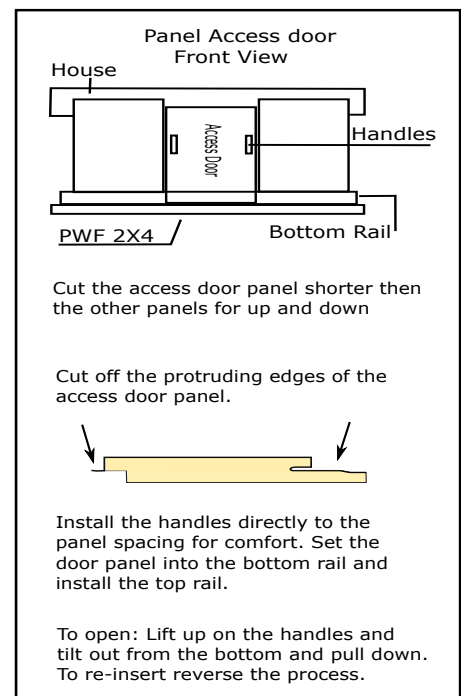
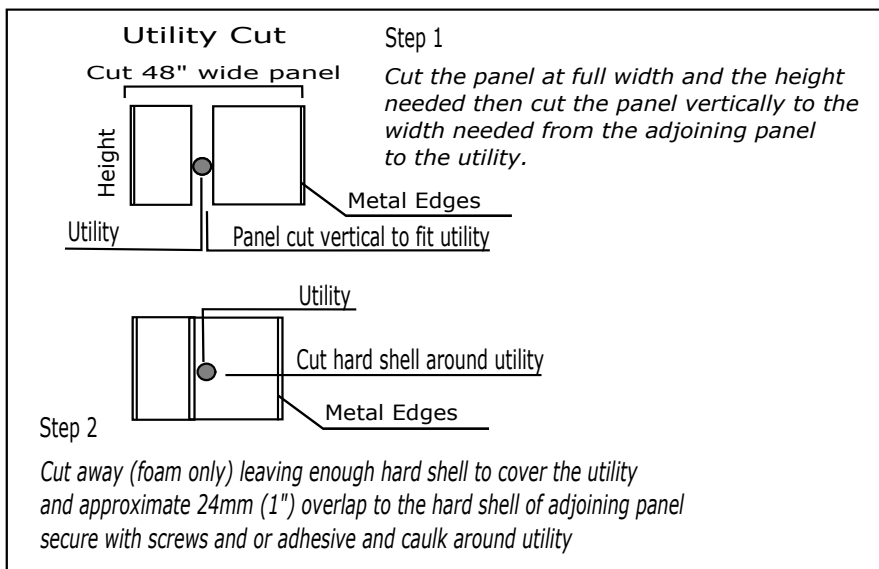
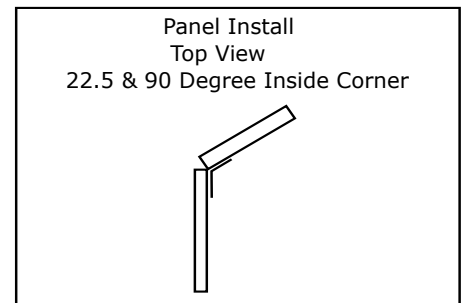
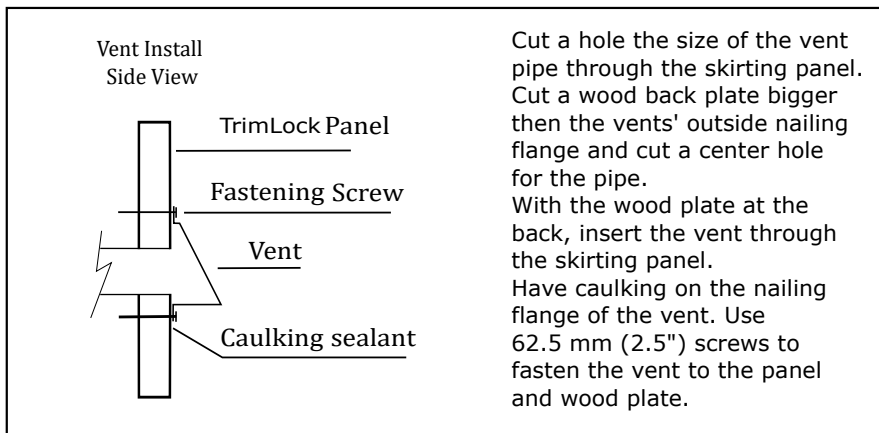
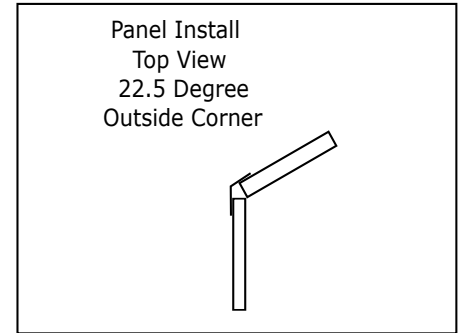
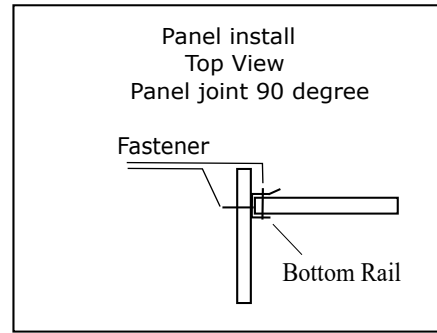
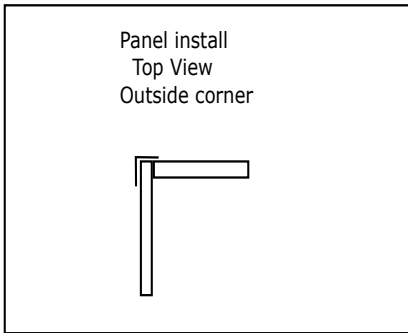
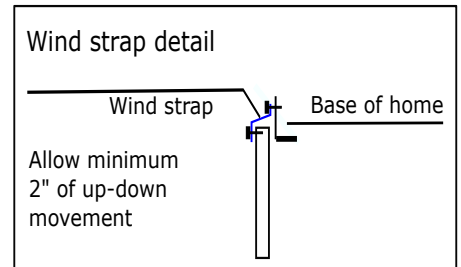
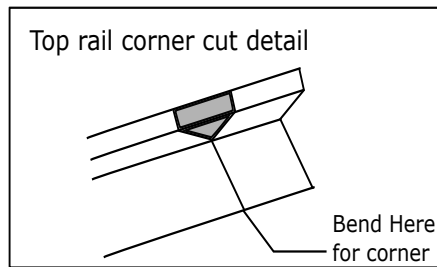
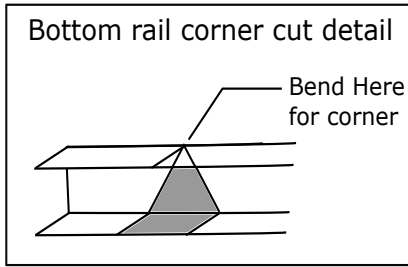
C – Continue down the home overlapping each length of top rail minimum 25.4mm (1”)



Note: In windy locations placement of each overlap should coincide with wind direction to reduce any possibility of any joint catching in the wind.



Detail Drawings

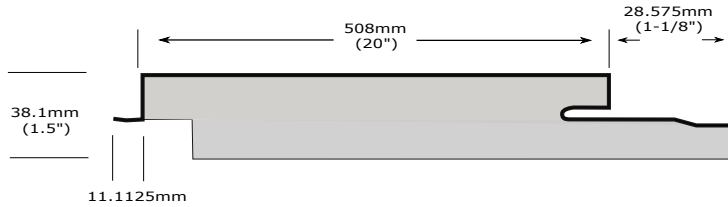


Installation Instructions illustrated by TrimLock are intended to be incorporated with local building and enveloping specifications. Final details are the responsibility of the project designers and local construction guideline's.





Interlock Skirting



Standard Features

Core Thickness	Steel Cladding	R-Value	Weight
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50.8mm (1.5")	G90-gr33 26 gauge Galvanize	RSI .986 (R 5.6)	12.9 kg
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Higher R-Value and insulation thickness available upon request

Classifications / Configuration

Panel size 805mm (20") x 3657.6mm (144") coverage 1.858 sq/meters (20 sq/ft)

Steel Cladding 26ga Galvannealed steel G90 gr33 / 24ga Galvalume steel gr50

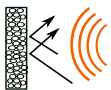
Insulation EPS bead board

Coatings Water-borne Acrylic Polyurethane Enamel (Variable Substrate Technology)

Supporting Trim 55% Aluminum-Zinc Coated Steel ASTM 792
SMP Pre-painted Steel AZ50 Substrate

Install Horizontal / Vertical

Classifications CAN/ULC-S701
CCMC 12424-L
CCMC 12425-L
CCMC 12426-L
ICC-ES ESR-1587



Sound Suppression



Thermal *Insulation*



Energy Saving



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Lethbridge AB T1H 5G5



All materials used to produce the TrimLock cladding product is recognized as industry standards for IMP systems (Insulated Metal Panel) recognizing each of its components regulated under each specific building code requirements.

Coating

(1) Primer meets the requirements of CISC/CPMA Specifications 1 -73a and 2-75.

(2) Finish color coating:

Water-borne Acrylic Urethane Enamel interior and exterior applications. VST formulated (Variable Substrate Technology) that complies with Government of Canada Emission regulations under category 52.

Galvanized / Galvannealed Sheet Steel

(1) Where sheet steel is required to be galvanized, it shall be metallic-coated with zinc or an alloy of 55% aluminium-zinc meeting requirements of,

(a) ASTM A653 / A653M, "Steel Sheet, Zinc -Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process", or

(b) ASTM A792 / A792M, "Sheet Steel, 55% Aluminum-Zinc Alloy-Coated by the Hop Dip Process"

(2) Where galvanized sheet steel is intended for use in locations exposed to the weather or as a flashing material, it shall have a zinc coating not less than G90 (Z275) coating designation or aluminum-zinc alloy coating not less than the AZM150 coating designation.

EPS Insulation

(1) Where EPS insulation is intended for use in exterior locations complying with CAN/ULC-702.1 testing code

Trimlock continues to develop new technologies and procedures to provide the ultimate in passive home building for exterior energy efficiency. Passive building is a global program that has gained popularity and expectations over the last 39 years providing building comfort and functionality while achieving exterior finishing class. TrimLock's core commitment is based on this program and will continue improving for years to come.

The installation procedures outlined in this guide are intended for reference on how to install the Trimlock cladding products. It is the responsibility of the designer, engineer, installer and or home owner to follow local building codes and specifications. As installation progresses onsite, the installer will find their own methods and incorporate their own abilities and experiences to install a perfect finished job.

Questions and install guidelines pertaining to the Trimlock cladding product can be forwarded or called into the main office to assist the completion of the install.

Contact:

Email: Office@trimlock.ca

Phone: 587-425-2400

Location: #3-731-30th Street North Lethbridge Alberta T1H 5G5

