

HOW IT'S ASSEMBLED?

METAL VS WINDOW FRAMING

H-CLAD VS WAUSAU

H-CLAD®

**Standardized Cladding and Mounting System
BY HENDRICK CORPORATE**

What is it?

Is an engineered cladding system that includes different options of sub framing.

line of metal cladding systems is a versatile exterior cladding and interior wall cladding solution suitable for a broad variety of applications. For example, This cladding system is actually available in three duty ratings

- 1. each aesthetically pleasing**
- 2. engineered to surpass project**
- 3. location specific requirements.**



ADVANTAGES?

The advantages of the cladding system is within its design and is considered as a interrogated cladding system.

The aluminum panels provide a wide range of design options

H-CLAD wall cladding systems are offered in numerous standard perforation configurations for maximum efficiency, with custom configurations and hole shapes also available.

Different mounting options are available for heavy, light and medium duty needs

APPLICATIONS?

H-CLAD is suitable for different architectural locations anywhere. From office buildings to parking garage facades and even multi residential homes.

Different options of panel sizes, amount of holes on panels, open area and even thickness

HOLE AND PANEL SIZE FOR YOUR APPLICATION

PERF DIAMETER (IN)	CENTER SPACING (IN)	PATTERN ORIENTATION		% OPEN AREA		30 PSF (IN)	50 PSF (IN)	30 PSF (IN)	50 PSF (IN)	70 PSF (IN)
0.25	0.5	STAGGERED		22.7				48	48	48
0.375	0.625			32.6				48	48	48
0.375	0.75			22.7				48	48	48
0.5	0.75			40.3				48	48	42
0.5	1			22.7				48	48	48
0.75	1			51				48	42	36
0.75	1.25			32.6				48	48	48
1	1.25			58				48	42	36
1	2			22.7				48	48	48
1.5	1.75			66.6				48	42	36
2	2.25			71.7				48	42	36
3	3.25			77.3				48	42	36

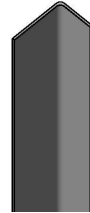
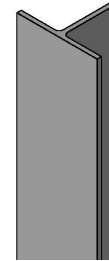
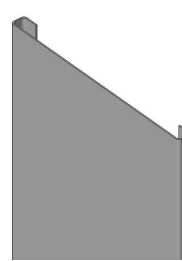
MATERIALS YOU WILL NEED FOR THE PANEL APPLICATION

MAIN

1. ALUMINUM PANELS $\frac{1}{8}$ " OR $\frac{3}{16}$ " THICK
2. 4 $\frac{3}{4}$ " X 3 $\frac{1}{2}$ " X 10' LG ALUMINUM TEE
3. 2" X 3" X $\frac{1}{8}$ " 10' LG ALUMINUM BENT PLATE

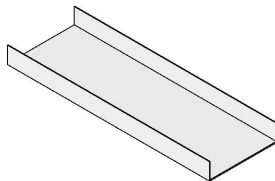
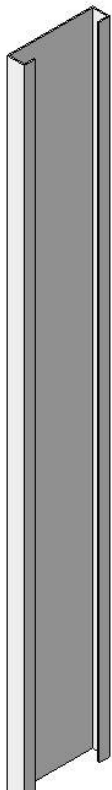
FOR ASSEMBLY

1. $\frac{1}{4}$ "-20 X HEX LONG 300 SERIES STAINLESS HEX WASHER SELF DRILL SCREW
2. $\frac{1}{4}$ " - 20 ELCO BI FLEX HWH SELF DRILLING SCREW
3. WALL ANCHORS





ASSEMBLE THE WHOLE BUILDING



Using a hammer drill with a masonry bit, you will have to set screws at each end of the framing track. Overlap track corners by notching the first track's flange so the overlapping track can slide into place

(Make sure you have enough room at each corner for the drywall)

(You can then attach you assembly for the panels, if)



Self tapping metal screws for metal studs

ASSEMBLE THE WHOLE BUILDING



Place gypsum wallboard on the interior of the structure.

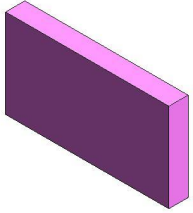
What is a gypsum wall board? What does it do?
Gypsum drywall is a board commonly used in the interior structure. It is fire resistance.

- **“Natural** gypsum is a common mineral that has been mined for centuries around the world.
- **Synthetic** gypsum is a by-product of cleaning the emissions of coal burning power plants. The sulfur dioxide is combined with crushed limestone, calcium carbonate, and water to form pure gypsum.”



Plasterboard screws

ASSEMBLE THE WHOLE BUILDING



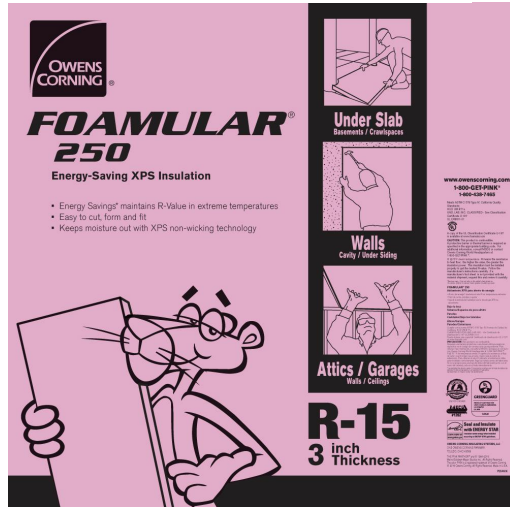
Place the rigid insulation carefully in between the studs

What is a rigid insulation? What does it do?

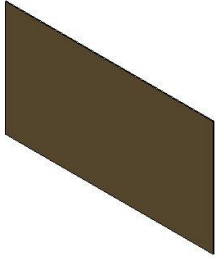
Rigid insulation is “They are typical **insulation** sheathing products - which means that they are **used** **to** prevent thermal bridging (heat loss and gain) through the framing of walls, floors and roofs, by providing a continuous layer of **insulation**”

expanded **polystyrene** (EPS), **extruded polystyrene** (XPS), and **polyisocyanurate**.

The differences are R-value per inch, water resistance, compressive strength, permeability to water vapor, facings, and of course, cost. All foam insulation products are **petroleum-derived**



ASSEMBLE THE WHOLE BUILDING



Place exterior sheathing on the exterior of the structure

What is a sheathing? What does it do?

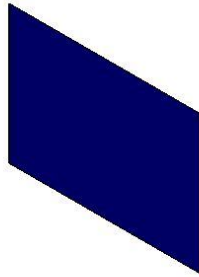
Sheathing is a board that **Exterior wall sheathing** strengthens the **wall** system, provides a nailing base for the siding, and gives a layer of protection against outside elements.



Self drill screws

ASSEMBLE THE WHOLE BUILDING

Place rain screen on the exterior of the structure

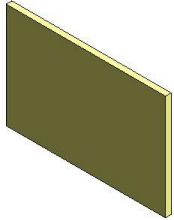


What is a rain screen? What does it do?

Rain screen is air barrier applied to the sheathing to create a capillary break and to allow drainage and evaporation.



ASSEMBLE THE WHOLE BUILDING



Place exterior insulation on the exterior of the structure

What is a exterior insulation? What does it do?

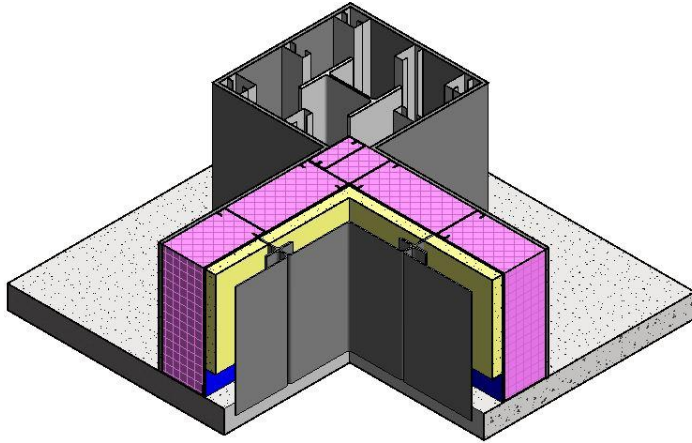
Exterior insulation is to prevent water infiltration

Basically a sweater for your house

Mainly comes in panels



ASSEMBLE THE WHOLE BUILDING



After everything is placed in the correct order you can proceed to attach your H-clad panels to the existing structure

