Ed Fernandez

DALYTE

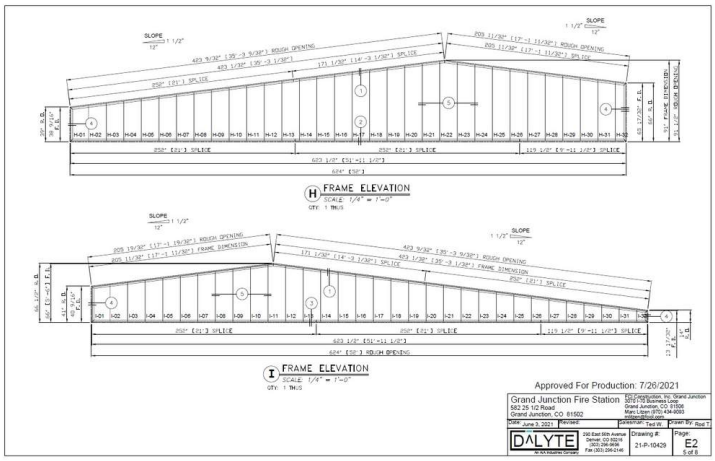
3 - 18 - 24 | 23 Photos

DESIGN YOUR SKY

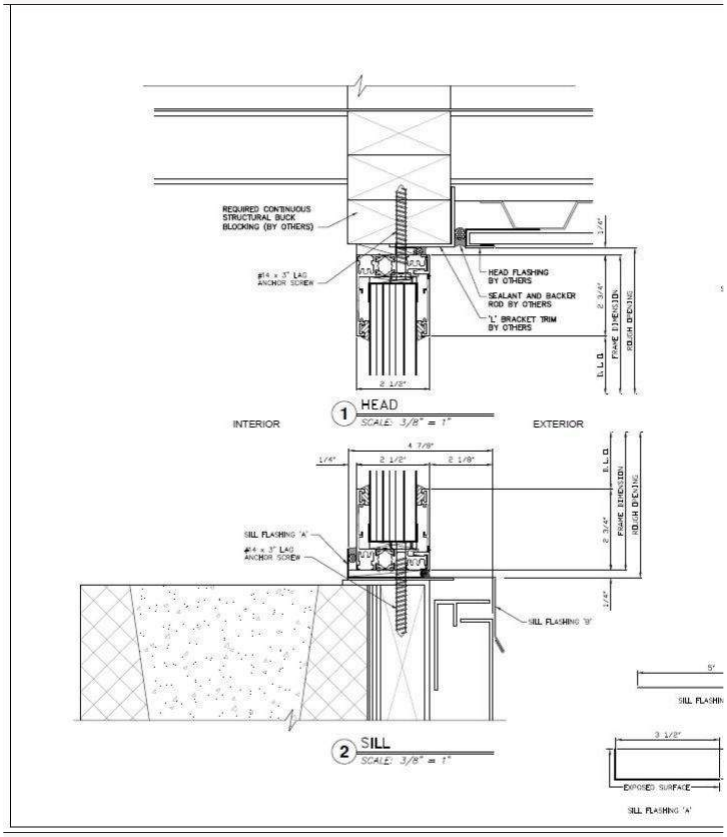
DALYTE

EcoWall Install Instructions

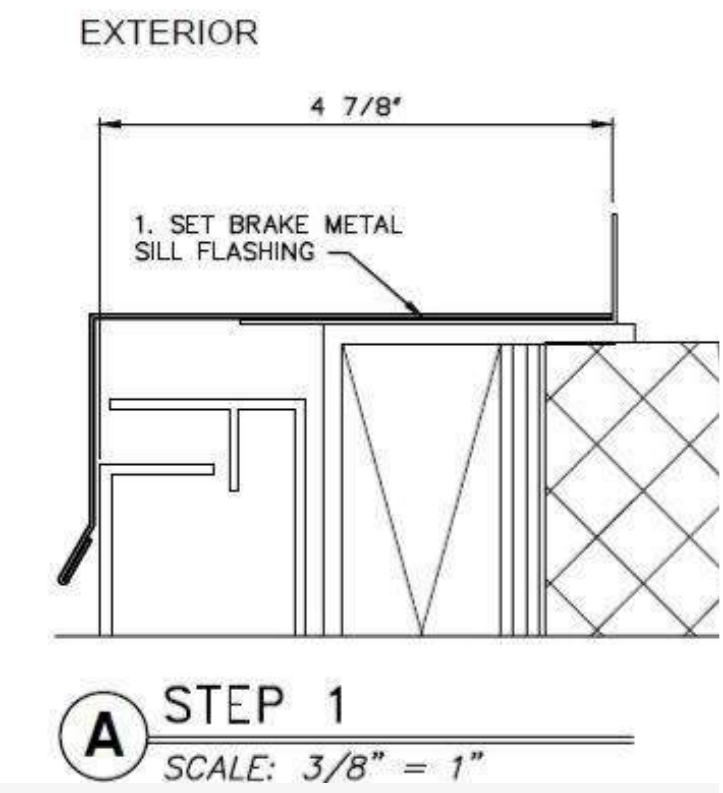
Start with site photos to document how it was when you arrived to the jobsite.



Prior to starting work...
Review your Submittal Shop Drawings.
Review your dimensions, etc.



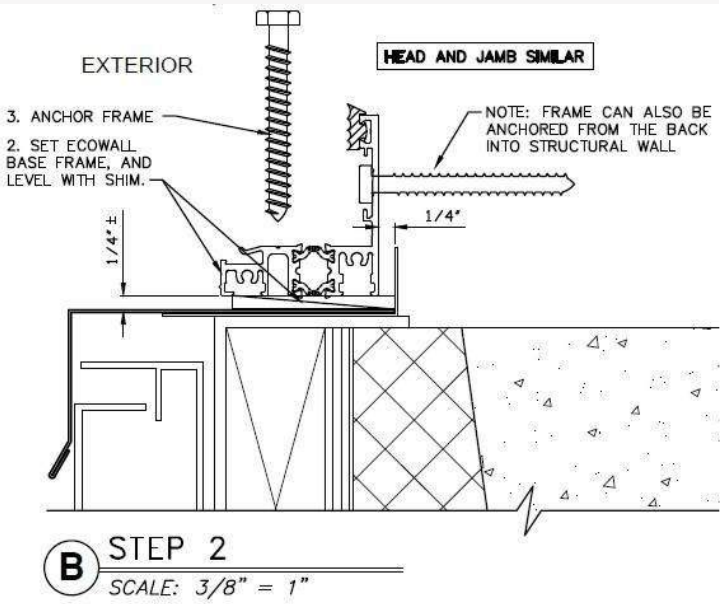
Check out the required reveal (how far from the exterior siding the EcoWall is located) then make sure you are mounting into a suitably strong "Curb/Framing".... then confirm with the GC or Owner that it works for them.



If needed install your Sill Flashing first. Make sure your splices are without gaps, and silicone caulked.

"Laser" or use a string and level to check the openings to see how level they are and plan on adding shims, wood, etc to make for a level Base install.

Note: occasionally you or the GC will need to add strips of plywood as to "tilt" the Sill Flashing towards the exterior for water drainage.



Prior to installing framing pre-gasket the base and header.

Install your Base. Start with a corner ...Cut 45 degree miters at the 90 degree corners.

Silicone base before fastening to curb/framing.

Find and cut the proper angle for both jambs and install them.

Measure and cut header and install.

On the corners add enough silicone caulk to seal them to prevent water infiltration.

Attach with proper anchor fasteners as shown 6" from ends and every 18" after.

Corners should look like this with silicone in the mitered joints before you install the corner brakets "if applicable". (corner brackets must be used for unstable frames).

Plumb and level frames throught the installation process to insure frame seals and drains properly.

Install your corner brackets to "lock-in" the corner "if applicable". Then cover completely with silicone caulk.

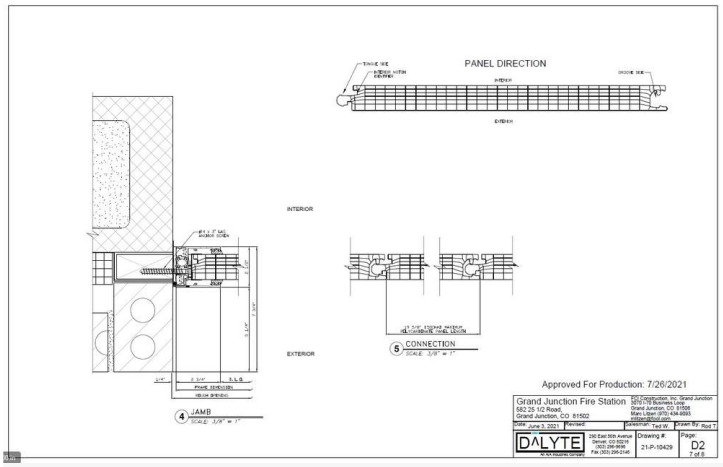
Notice the ridged edge of the gasket is facing the exterior, notice how there is a gap at the joint of the gasket where the horizontal meets the vertical... (this is incorrect, the gasket should make a perfect corner) you will need to add a dab of silicone here to seal that area (and everywhere else where there is a gasket gap)

Now that your Sill, Base Frame, Interior Gasket, Corner Keys are in and properly anchored, and silicone caulked (to seal the internals of the frame AND the interior of frame to substrate), place setting blocks every 18" and take your measurements vertically for the polycarbonate panels.

Prepare your work area.

Polycarbonate panels cut similarly to wood with a circular saw with a sharp fine tooth carbide blade.
After you cut to size, blow out any chips from the interior of the cells. Then tape the upper edge covering the cells with the non-venting tape provided and then tape the lower edge cells with the vented tape provided

Panel preparation cont'd



Familiarize your self with the interior and exterior of the panels.

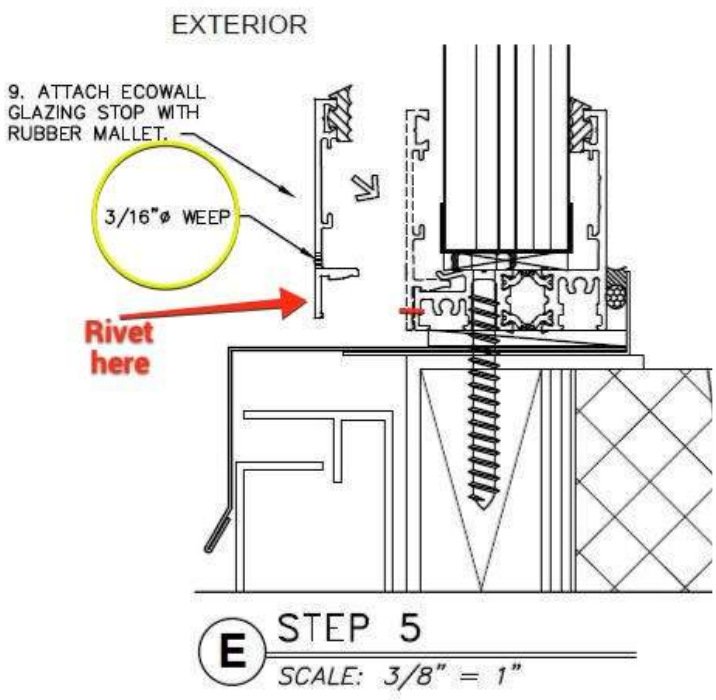
The groove side of the panel will have a nipple on the interior side of the panel and the exterior side will not (see figure to the left for reference).

The tounge side has an interior notch identifier facing the interior of panel (see figure to the left for reference).

1) Familiarize your self with the interior and exterior of the panels.
2) Starter Panel: Rip the tongue off your left most panel and place it on the left side of the frame. Make sure the exterior side of the panel is to the exterior.
3) Run a bead of clear non-acidic silicone along the tongue so it seals with the groove.
4) Then take the next panel and place the tongue into the groove of the panel previously placed.
Note: The longer or taller the panel is harder it will be to "snap" into place. You will need to "persuade" them to snap together using the palm of your hand as a mallet.
5) As you add panels, you will need to add "temporary" stops to hold the panels in place.
6) Repeat 3, 4 & 5 until you reach the end of the opening.

Then rip the last panel (right-side) to fit the remaining space.

Make sure your first panel (left-side) and your last panel (right-side) are equal widths to ensure a symetrical look.



7) Familiarize yourself how the exterior cover snaps into the base. Now install the exterior cover (that you have already gasketed) by snapping into place (push in & down and tap down with rubber mallet using a taped 2x4 scrap.)

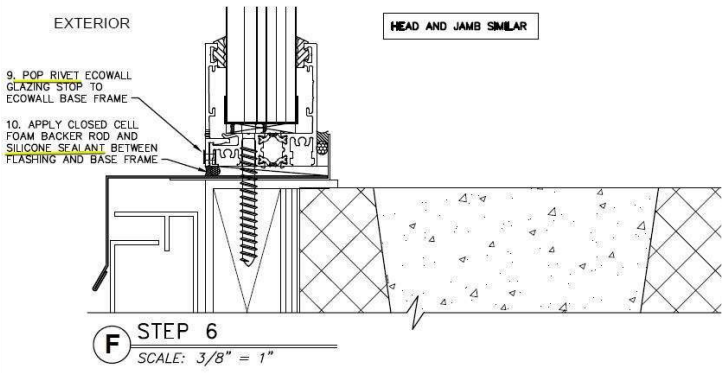
8) Once snapped into place, you will drill a 1/8" hole every 18" in a symmetrical pattern and secure the cover with a matching 1/8" aluminum rivet

9) Drill 3/16" weep holes symmetrically every 24" per drawing.

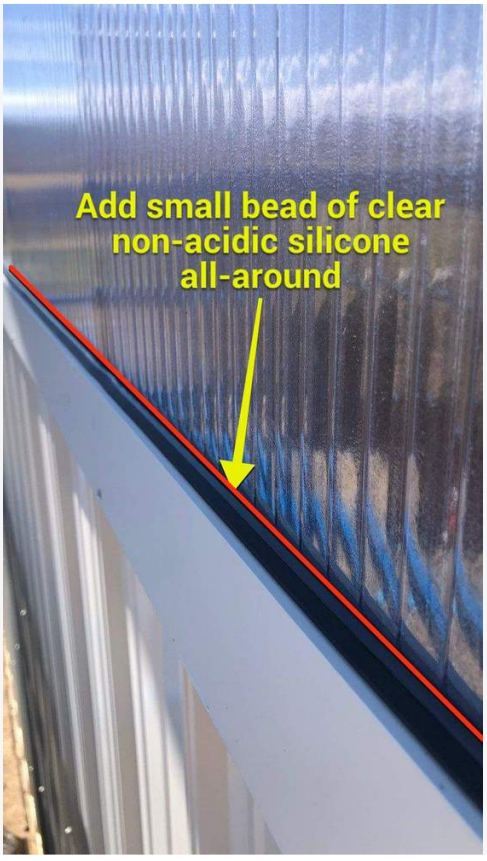
Weep holes should be a height of 3/4". If not done properly there will be drainage issues.

Securing cover with rivet. cont'd

Silicone seal the exterior frame to substrate as shown in plans. May require the use of backer rod.



Silicone seal the exterior frame to substrate as shown in plans. Cont'd



Add small bead of non-acidic silicone all-around and tool it in neatly

When complete, take photos of the opening, and surrounding areas

EcoWall & Area photos cont'd

More EcoWall photos