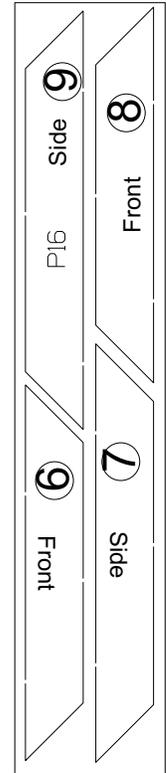
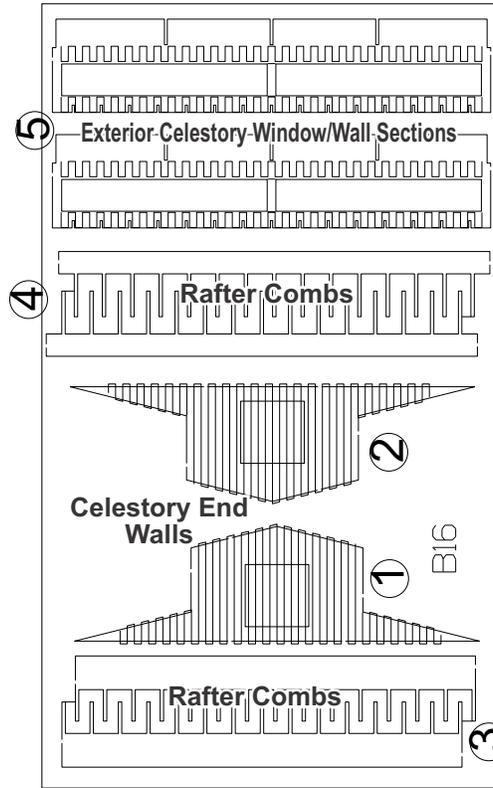
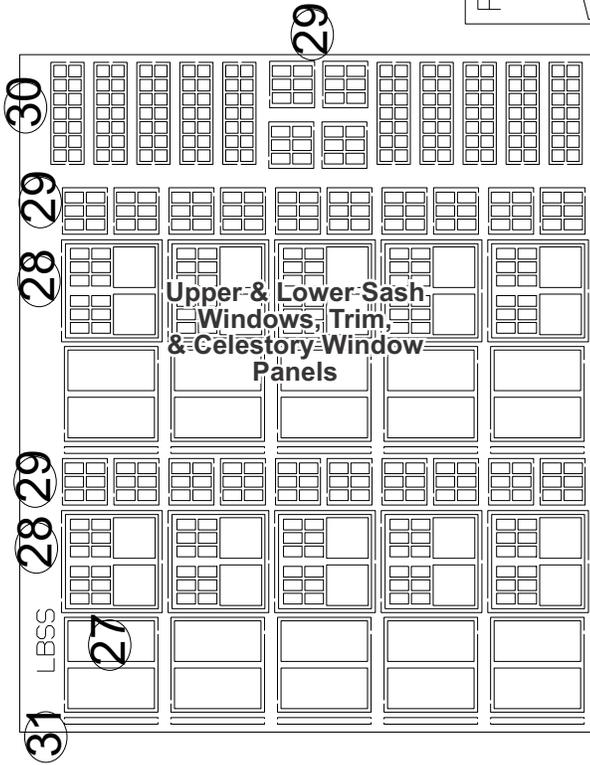
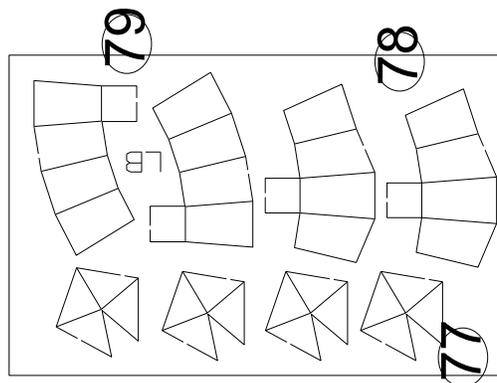
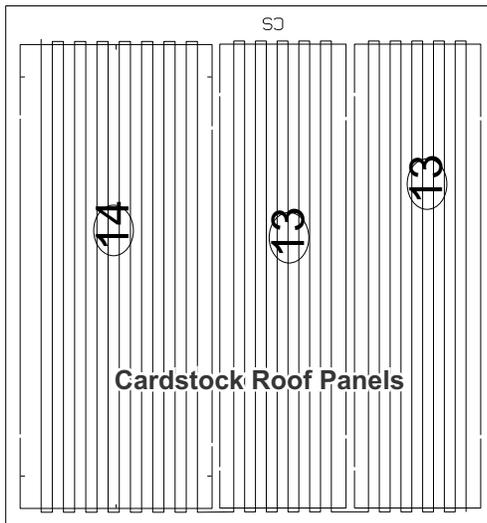


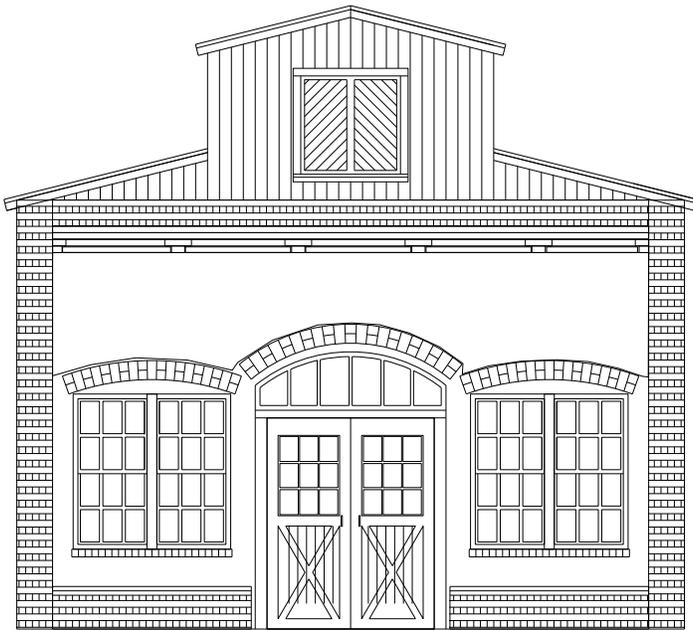
**Part Numbers
"Brick Building"
Components Packet**



**Resin Wall
Additional Interior
Horizontal
Bracing Supports**



YUP... STARTING WITH THE BRICK **(IT'S RESIN... BUT DON'T TELL ANYBODY)**



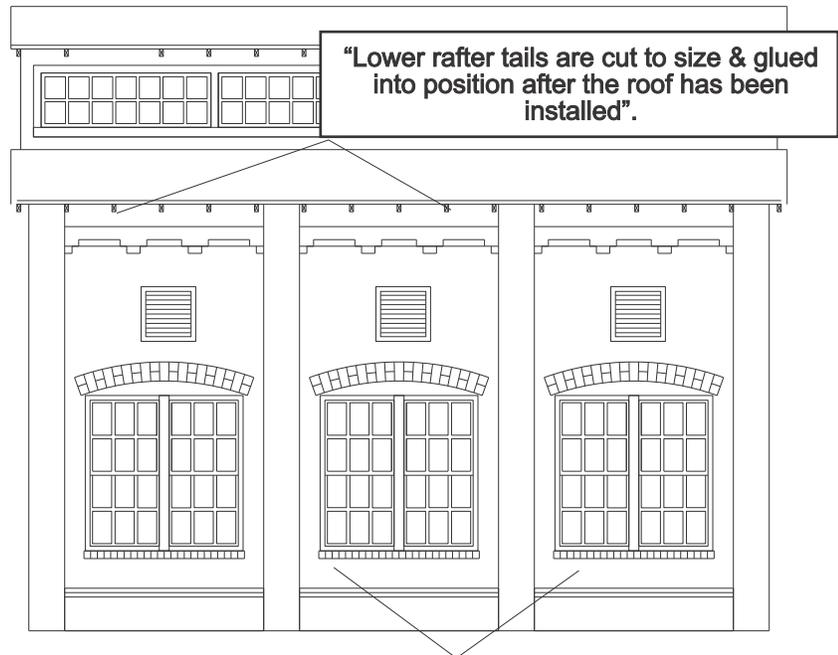
We started construction on the right (resin) building. This will require something other than yellow carpenters glue... & may very well introduce you to slightly warped wall sections (resin does that). There are a couple of ways around that... interior bracing is always a good idea and we have some special stuff included within the part numbers to help. Also soaking the resin in very hot water while applying pressure to them can help... &... to be honest... a look through the internet will offer more mother variations than we've ever used... so give it a try.

While the bottom of this structure is resin... the upper story is laser-cut, with some very finely detailed windows & other components. You can look at the two parts of the building as separate projects... kind in mind they will eventually become "one"... so keep an eye out for any alignment issues between them as you go along.

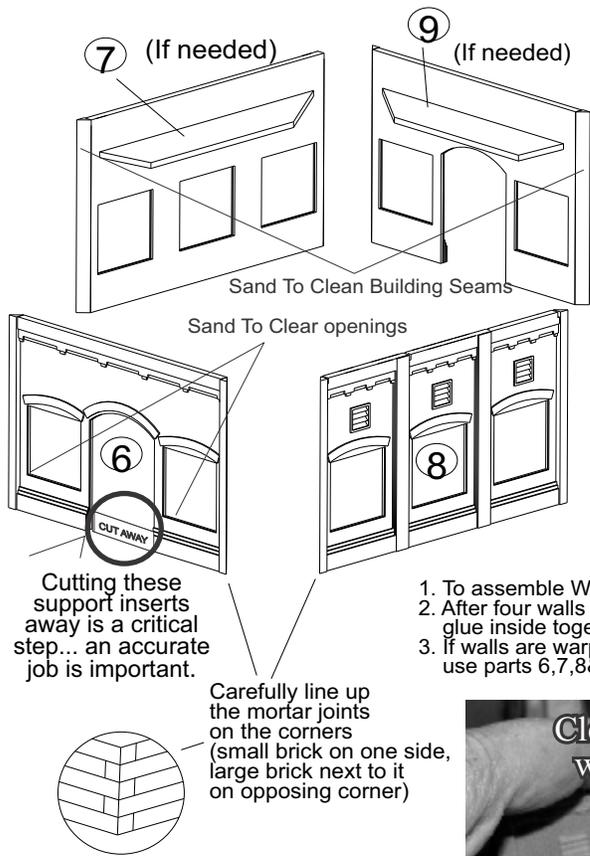
Drawings To Scale

You're gonna want to make sure you have some primer, some orange paint, & some 5-Minute epoxy available. We've been using a slightly more expensive version of the stuff (It's actually an epoxy designated for "plastic" and runs about \$7.99. With all the effort we put into our models we'd just as soon not try to save money on adhesive, so we thought we'd give it a try)

So take a few moments to familiarize yourself with these instructions and then go to it ! Remember... some times your best "clamps" are your hands... aligning the mitered corners of the building are best done with our hands. Be patient with this. (rubber bands may help keep things aligned during the process)



Once the structures are placed against each other these two windows will be covered by the center building.



1. To assemble Walls, tack insides corners with super glue (ACC)
2. After four walls are together and everything is lined up, glue inside together with 5 minute epoxy
3. If walls are warped and need to be straightened, use parts 6,7,8&9 glued (epoxy) to back of walls to stiffen them



Locate the package of resin walls... there are (4) of them in all. Carefully remove any resin residue (this is more like a resin “film” that will occupy most of the window & door openings.) If your resin walls are “warped” (they usually are at least a little bit... reach for interior horizontal bracing components 6-9 and affix them to the interior faces as shown while applying even pressure. (see Fig. 1 below)

An emery board is handy to have in this type of construction... you’ll want to use one to make sure the very corners of each window & door opening are totally free of any hard-to-see resin that may be otherwise hard to see. A little “sanding” will assure you a perfectly square & clean opening, & this will be vital in later steps of construction.

Now carefully examine the “mitered” corners of each of the wall castings... there will be a small amount of “rise” and/or flash on each of the chamfered surfaces. Here again reach for the emery board and give them a quick clean-up. This is all minor but very important stuff.

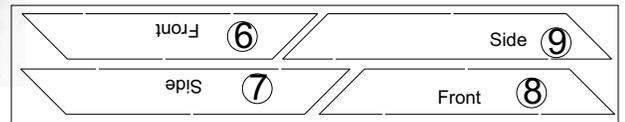
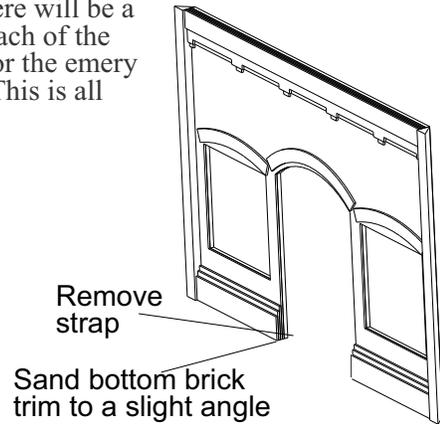


Figure 1.

Before You Go Gluing Anything Together

...get a “game plan”. Will you paint the walls before gluing them or after?... both ways will work.

We primed our wall sections and then hit them with an airbrush & “Reefer orange” paint. Yeah... paint bricks red... right?... **WRONG!** This is a better idea... one that I learned from my buddy, the late Earl Smallshaw... and he was around before they invented bricks so he should know! (Sorry Earl)

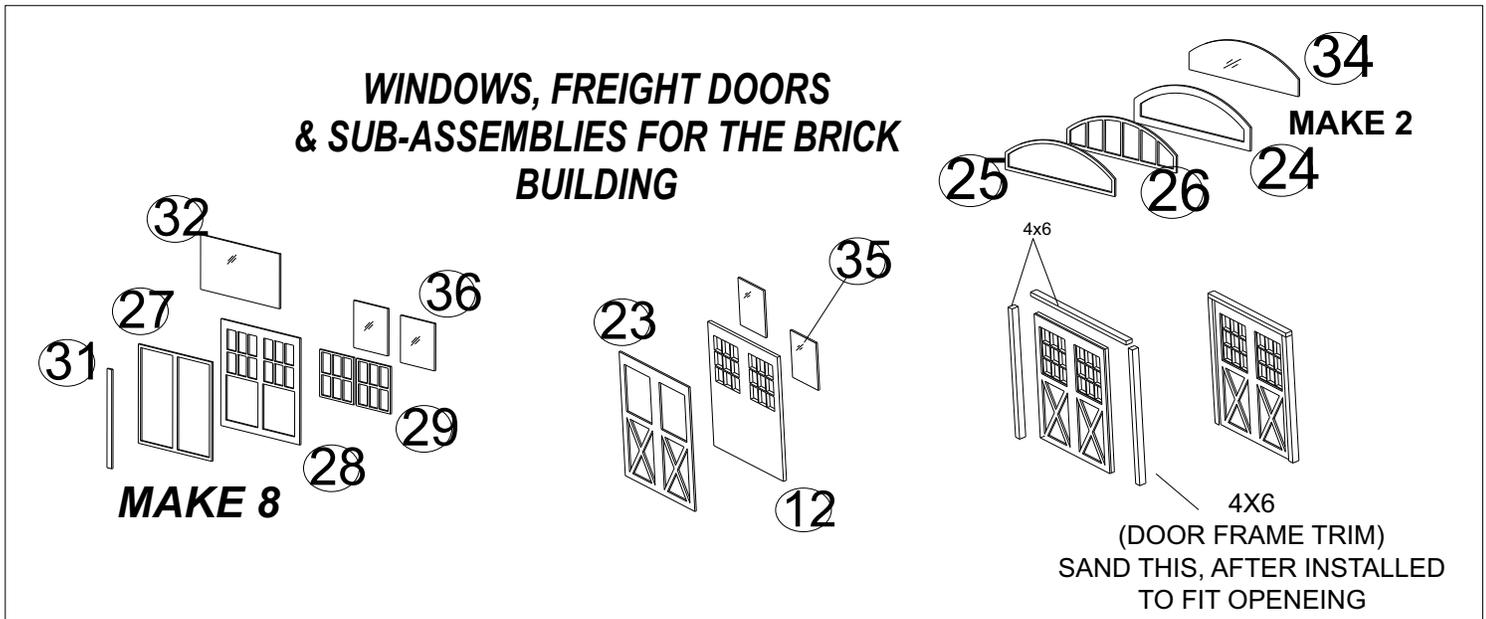
Anyhow once you have all of the wall sections painted give them a washing or two of Alcohol/India ink to play-up the mortar joints. This is not the only way to handle this, but it’s the method we chose. Let this dry thoroughly.

It’s entirely possible that your alcohol was too strong and the results were darker than you had hoped for. While we hope this wasn’t the case you have two choices... re-spray & paint the walls again (really no big deal), or if it’s not too bad reach for some weathering powders... especially the lighter “earth tone” shades. We’d run across some new product by “Tamiya”, it’s a kind of a weathering powder but supplied in little “squares” that you have to rub the color off of. We used some on the brick to help re-enforce the clay look. Check it out at your local hobby shop.



Use interior bracing components #6-9 to insure your walls stay as flat as possible.

We used a magnetic “squaring” tray to keep things aligned. If you’ve ever done any kind of woodworking you know that poor corner alignment cannot be fixed later... you just have to handle it right the first time. Tedious attention to this part of the assembly won’t have you cussing under your breath later regretting that you took things too quickly during this part of construction. The corner miters should be clean... if you’ve “over” - or “under” done it with the emery cloth don’t forget there is always the “Sellios fix”... vines creeping up the corners of your building. You have to hand it to George... it was a great idea that has held up to the test of time ! We used a magnetic gluing jig to help us along... another worthwhile investment.



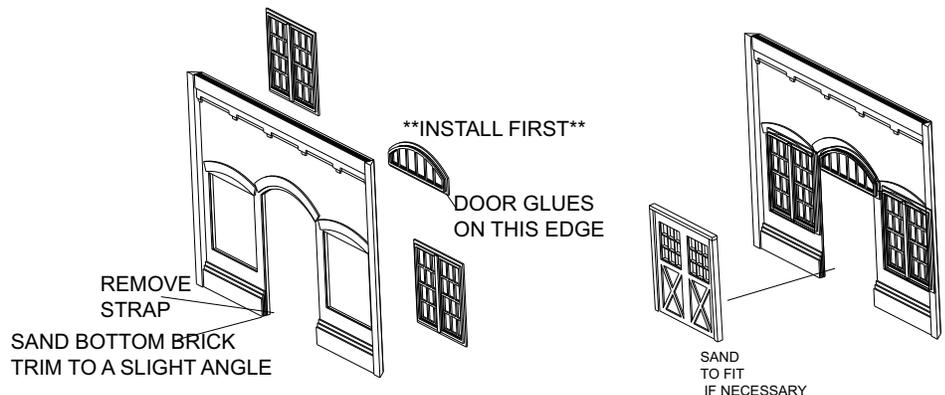
Building The Freight Doors & Windows...

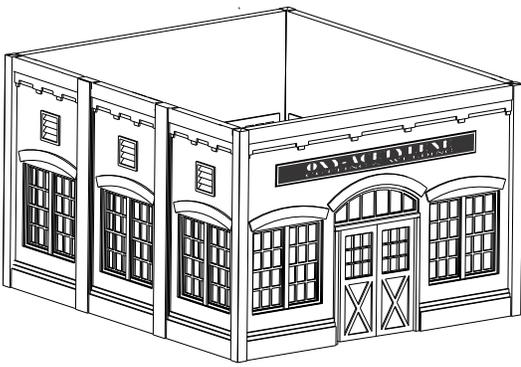
The freight doors employ the usual Bar Mills practice of laminating self-adhesive components together to form one easily-paintable & detailed assembly.

Locate the pieces as illustrated & assemble... this is a really easy step. Keep in mind that you’ll want to do a couple of things before you get into this. Firstly is the priming & pre-painting of the components. These are much easier to paint & detail before the individual layers become one complete unit. Take a look at the color photos at the start of this booklet & you’ll notice the incredibly neat paint job on these... you don’t have to be a skilled painter to do this, but you DO have to pre-paint them in layers before adjoining them to each other.

There are enough windows in the kit to make “10” completed assemblies if you wish... but you’ll only really need “8” of them. With the additional two assemblies you will have the options of either screwing some up and have some back-up components... or, with little effort... isolating the brick structure from the rest... you’ll have enough windows to make that possible. You will have some minor building to do on the center building if you choose to take that route... but it’s a great option and will add individuality to your build.

The windows that surround the structure are identical. First prime & paint them, then just refer to the illustrations for placement. The yet-to-be-added roof is like a whole new assembly... & we knew it... so we finished the lower portion of the brick building before jumping ahead to it. It’ll be a lot easier to tweak finer details if you do it as they “come along”.



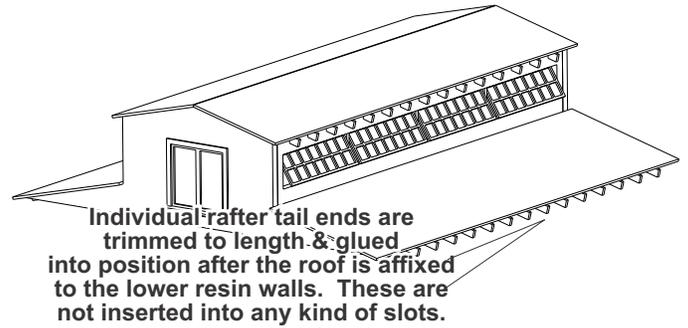


Basically Your Brick Building

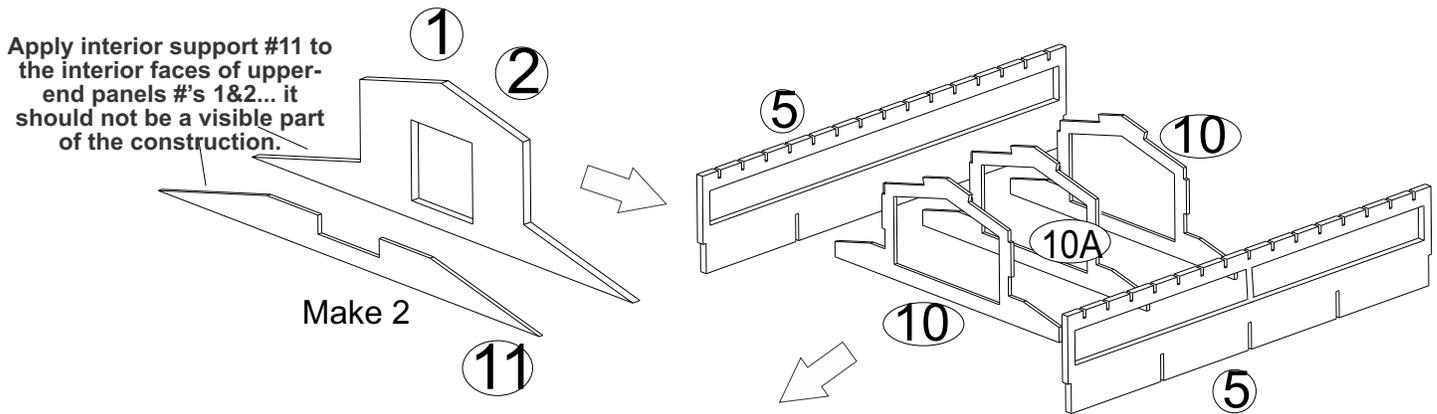
should look like this... nice & square (although the interior wall horizontal supports... if used... are not pictured.) It's wise to get this sub-assembly completely finished before heading to the second part of the project... the roof. Admittedly, I always lean back & visualize a project through completion before going forward... at this point I would add signs, misc. details that I might think up, and weathering. To me ... this IS a completed model... the second story is truly it's own project and next on the list.

Raising The "Roof"...

One of the more interesting... and more labor some part of construction is the assembly and preparation of the various laser-cut doors and windows. Yeah, we know... we could have done them in plastic. BUT, that would mean that the kit would be no more than a collection of "stuff" that you could've bought at your local hobby store or on-line... worse yet it would bring this kit in the direction of every other kit offered by every other manufacturer that just doesn't want to get involved in additional engineering.... and we love additional engineering !

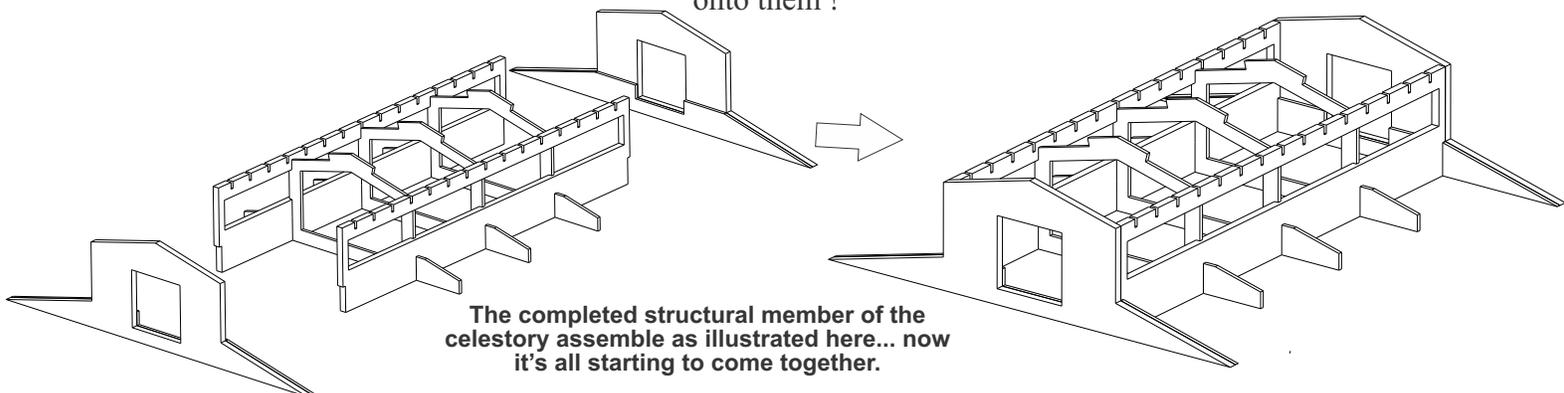


That said, pay close attention to the following drawings, and remember to finish things to completion as you go along. Sure, super-detailing can be added later... but don't skimp on neatness of assembly... there's a lot going on here and you know what they say about houses built on sand !



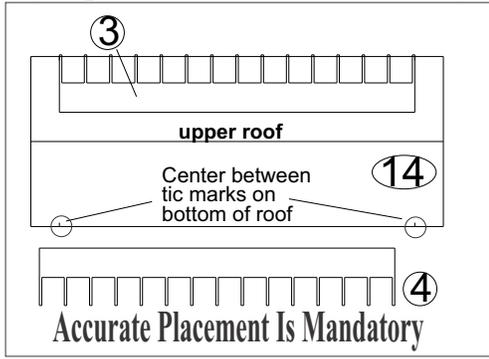
The Celestory...

Just follow the diagrams. We actually left our "primer" as the final coat of color on this one, adding subtle color textures with weathering powder. When assembling the components note that interior "former" "10A" does NOT have the side tabs that the other (2) formers have. Parts #5 are the exterior walls, and once fitted onto the formers will provide a mounting place for the two end cap assemblies. Before adding windows, freight doors and trim to this assembly give it a good "finish"... we just applied weathering powders (we like "Pan-Pastels")... over our gray primer. We did color our window frames a dirty white before installing them... a neat job is easy to achieve if you approach this kind of thing in sub-assemblies. Remember to always test fit and fine tune components before slathering glue onto them !



The completed structural member of the celestory assemble as illustrated here... now it's all starting to come together.

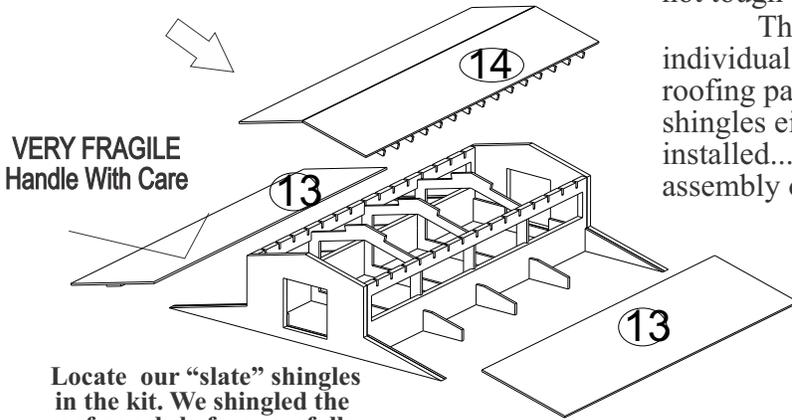
Adding The Roof Rafter Strips
(roof panels illustrated from “underside”)



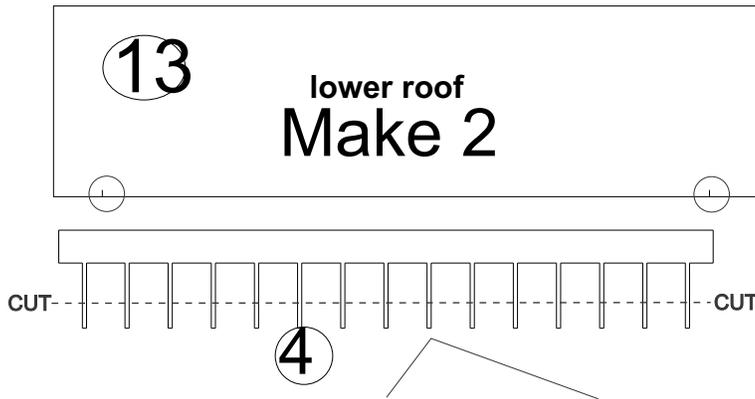
In Yet Another Essential Procedure...

you’ll be dealing with the “roof combs” (as we call them)... on the upper story roof. These are essentially a strip of pre-cut roof rafters that not only save you time, but also support the cardstock roof panels that they will be mounted under. You will need to pay attention to their alignment as there are itsy-bitsy “hash marks” (which I mostly cannot see myself) laser-sliced into the panels #14 to aid in their alignment. I generally just locate them to the dead center of the roof panels. These are simple to install once completed IF your alignment is good... it’s not tough to do but demands a careful eye.

These will be applied to the upper “roofing level”, with individually trimmed rafter “ends” being tucked under the lower roofing panel as a final assembly step. You can apply the roofing shingles either before or after the rafter combs have been installed... but you’re better off doing them before the actual assembly of the roof to the structure.



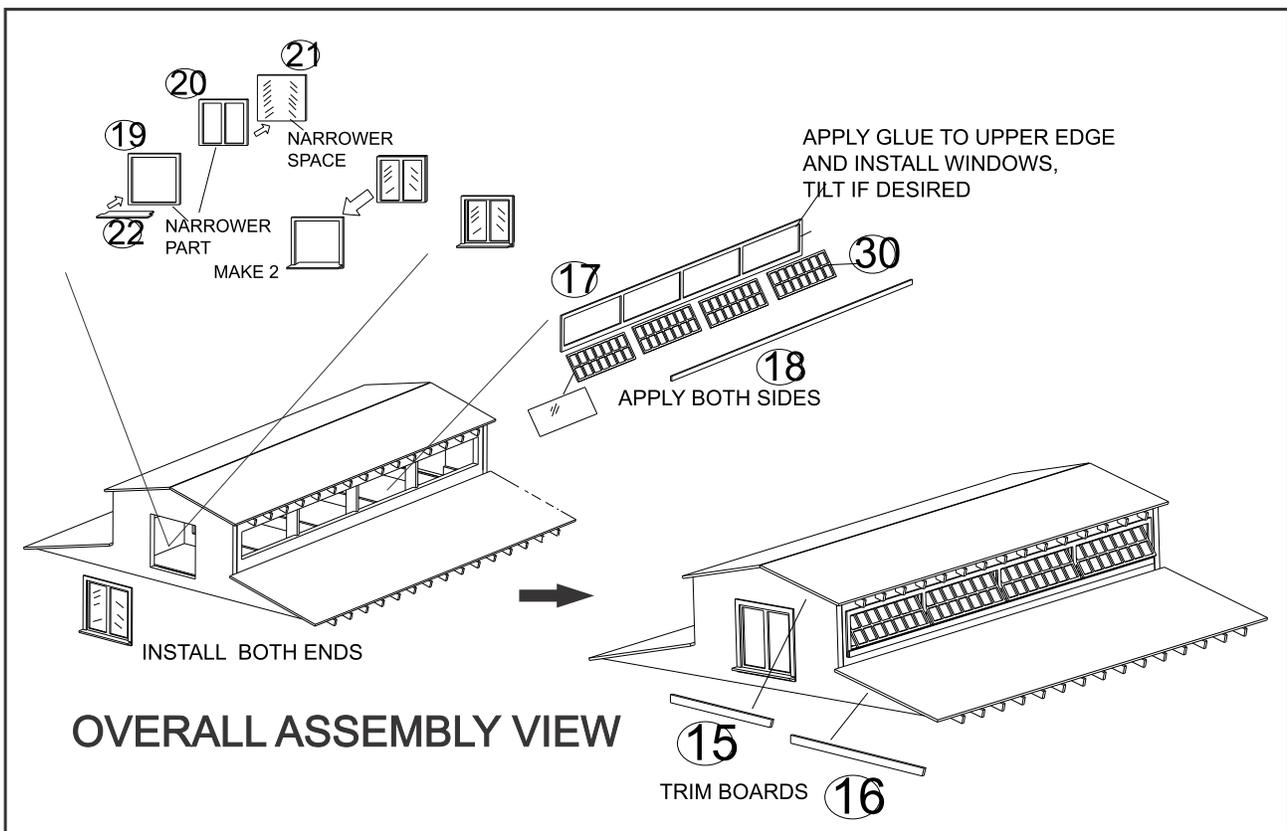
Locate our “slate” shingles in the kit. We shingled the roof panels before carefully installing them as shown.



Lower Rafter tails are cut-to-size & installed AFTER roof installation

The “Lower” Rafter Tails

are done with a very traditional approach with the tails being cut to a desired length (I like to keep them a little longer so they hang out from under the roof panel a bit more) and then glued into position individually. These components are all incorporated into a comb (as shown on left), and should be stained/colored to your liking before installation. They are best affixed with yellow or white glue to the direct underside of roof panel(s) #13.



Finishing The Celestory

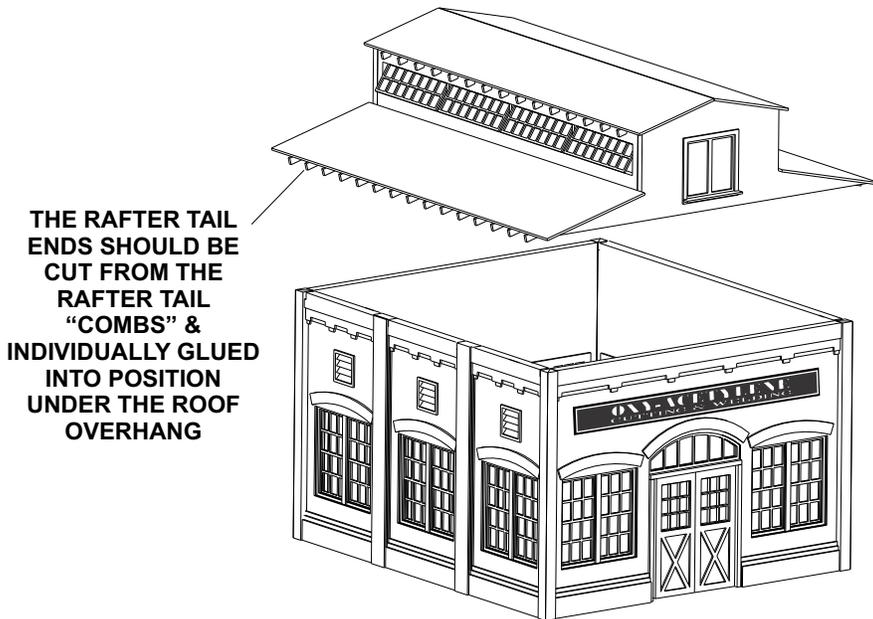
is a simple straight-ahead procedure. If you don't know to pre-paint and weather your components by now you're not paying attention !

Clerestory Access Doors

Here again... paint, assemble & install the components as shown to the right... and here again I skipped the tiny #22 sills on the prototype... but just don't

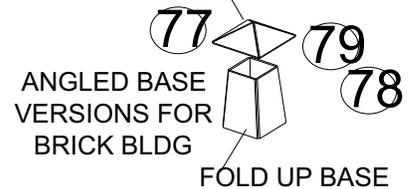
The Roofing Shingles

(not illustrated) were given some thin coats of "vertical" streaking. The easiest & most controllable way of doing this is through the use of "weathering powders". Light gray & ash colors randomly running down from the peak of the building will add a lot of character to the structure... just do it sparingly and stay away from "garish" color combinations... they look un-natural. It's easier to "under-do it" & add more color later than put too much "character" on the building to begin with !



VENT ASSEMBLY

FOLD UP COVER



We built this kit with (3) roofing vents... we've included "4"... one for insurance ! Two go on the brick building, & "1" on the rightmost "stucco" building. These will take some time to edge-glue together, & are a project unto themselves... but well worth the effort. After the glue had dried we primed, painted & weathered them... the paint coating will help hide any less than perfect seam joinery. Not a big deal, or overly difficult... but they do take some time & focus.

If you've gotten this far... Congratulations !... The "Easy Stuff" Lies Ahead !