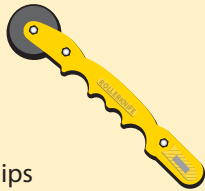
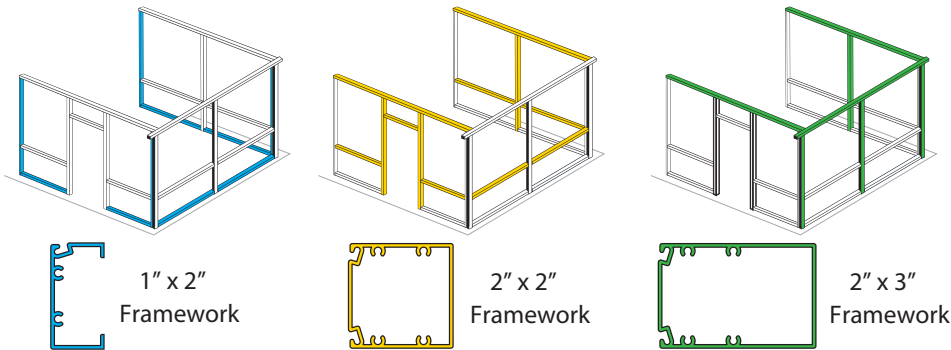


Screen Enclosures

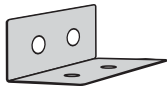
Tools needed:
Circular saw with plywood blade
or hacksaw
Variable speed drill, bits and drivers
4' level
Safety goggles
Rollerknife
Caulking gun
Tape measure
Utility knife or tin snips



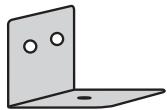
Framework:



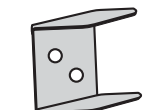
Clips & Connectors:



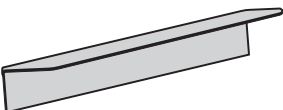
Capri Clip
Connects side framework
to top framework.



2" x 2" Angle
Connects base and
side framework.



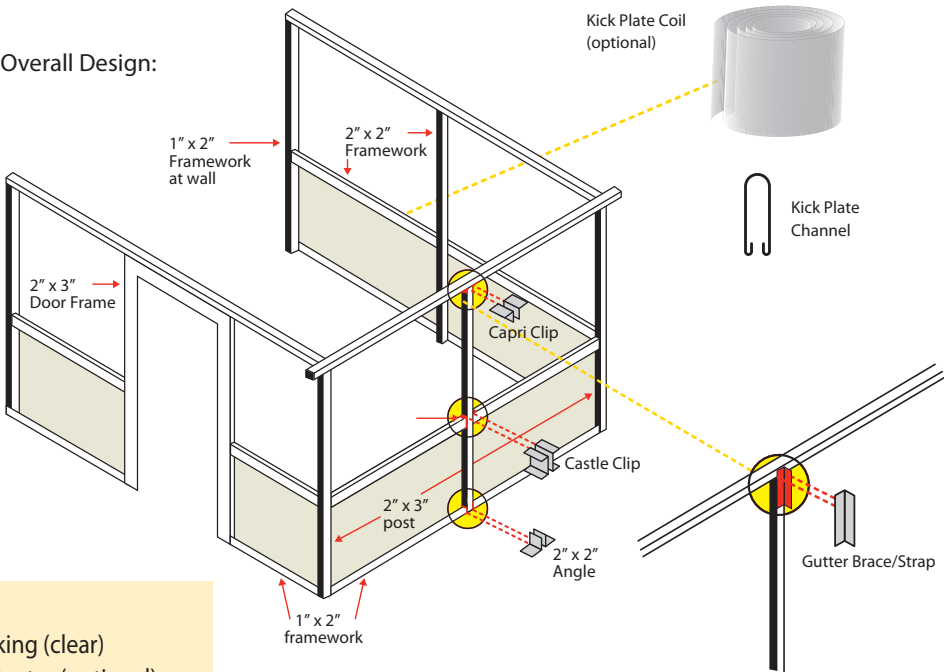
Castle Clip
Connects 2" x 2" rail to
vertical framework.



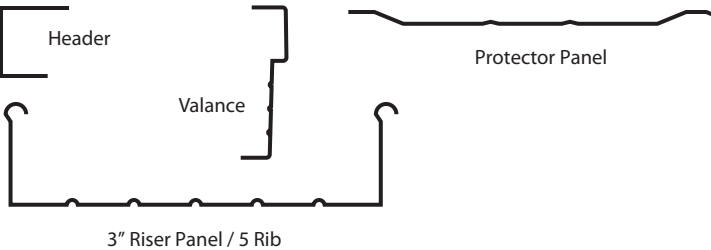
1" x 1" x 6" Angle
(Gutter Brace/Strap)
Connects gutter to
vertical framework.

Additional materials needed:
Screen and flat spline
Pre-hung screen door and accessories
Silicone caulking (clear)
Closer kit adapter (optional)

Overall Design:



Roof Members:



Design and Dimension:

The Screened Room Enclosure is designed to be constructed on an existing deck or concrete slab. For planning purposes, the edge of the outside walls should be 1 1/2" inside the outer edge of your deck or slab. (See illustration below.) Measure the perimeter of the concrete slab or deck to determine the dimensions of the front and two side walls.

To allow for proper roof drainage, make sure the front wall is lower than the back wall. A suggestion is to allow for 1/2" slope per foot on the roof. This will allow you to determine the height of the front and back wall.

Installation Fasteners:



Concrete Anchor - 1/4" x 2 1/4"
Holds all 1" x 2" framework to foundation and walls.



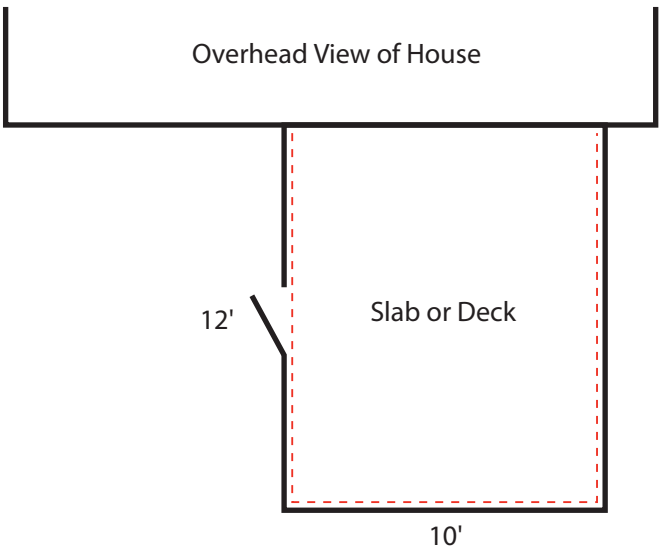
Sheet Metal Screw - #10 x 2" & #10 x 3"
Used to attach the 1" x 2" framework to 2" x 3" post.



Self-Drilling Screw - #8 x 9/16" & #10 x 3/4"
Used to attach all clips and framework bracing.



Hex Head Aluminum Screw - #8 x 3/4"
Used to fasten roof panels to supporting wall.



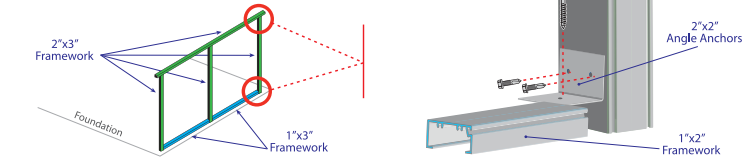
A. Assembling the Front Wall:

When designing your enclosure the height of the front wall must be less than the that of the back wall to allow for the 'slope' of the roof. Allow 1/2" per foot for the 'slope' of the roof, this will determine the height of the front wall.

After measuring the width of your front wall, determine the number of 2" x 3" framework needed for the upright post based on a maximum of 5' between post. Also needed is a 1" x 2" framework for the base and a 2" x 3" framework for the header. Ad 1' to the length of the header to allow for a 6" overhang on either end of the corner post.

Lay the framework pieces on the ground to assemble, making sure the spline grooves face outward. At the intersections of the upright post and the base framework, secure an angle anchor through the 1" x 2" framework and into the foundation with the 1/4" x 2 1/4" quickset anchors. Then, attach the angle anchor to the upright post using the #8 x 9/16" self-drilling screws. Using the Capri Clips and the #8 x 9/16" self-drilling screws, secure the 2" x 3" header and the 2" x 3" upright post at the abutting angles.

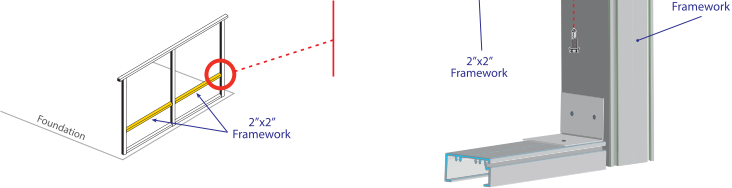
Secure the wall to the foundation with the 1/4" x 2 1/4" quickset anchors 6" from each vertical post then every 24".



C. Using Kickplate (optional):

To include a kickplate, attach a 2" x 2" rail 17" from the foundation using a castle clip, secure to the 2" x 3" upright with four #8 x 9/16" self-drilling screws.

See section "G" for Kickplate Coil installation.

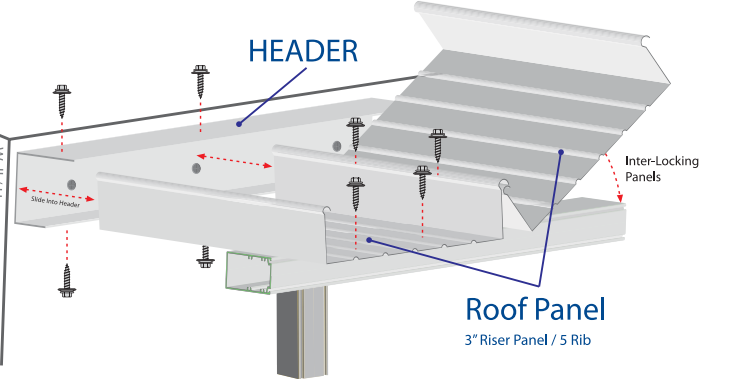


E. Roof Assembly:

1) There are many options for roofing your screen enclosure. You may choose a "stick built" roof with shingles to match your house, or apply an aluminum roof using roof pans. For stick built roof consult a local contractor. For aluminum roof refer to the following for general instructions.

Install wall header to house or to fascia using 3" sheet metal screws or masonary screws if attaching to brick. Run 2 beads of caulk along the back of the wall header where the wall meets your home. Then use roof pans 12" longer than the roof opening to allow for overhang and proper drainage. Panels will slide easily into position creating a snug fit. Insert roof pan to curved lip edge and rotate down. Install one roof pan at a time as they interlock with each other. Apply screws every 12' along the ridge (length) where each panel interlocks with the one beside it. As you install each roof pan, apply caulking to each screw head to seal. (Optional protector panels can be installed at same time as above and foam insulation can be installed inside roof pan before covering with protector panel)

Attach screws to beams at sides (every foot) and at ends of roof framing (2 per pan).



B. Assembling & Connecting the Side Walls:

Based on your earlier measurements, determine the number of 2" x 2" framework needed for the center upright post based on a maximum of 5' between post and a 2" x 2" framework for the header. Also needed are 1" x 2" frameworks for the base, front and back support post.

Remember, since the height of the front and back walls allows for the 'slope' of the roof, the side walls should at a slight angle to allow for this 'slope'. To ensure the proper angle on the uprights, attach the 1" x 2" framework for the back wall and front wall to the 1" x 2" framework base. Now cut the 2" x 2" header to fit between the house and front wall. Using the 2" x 2" header as a guide, place the 2" x 2" upright post and scribe all upright to match the 'slope'.

Always make sure the spline grooves face outward before assemble.

CONNECTING THE WALLS TO THE HOUSE.

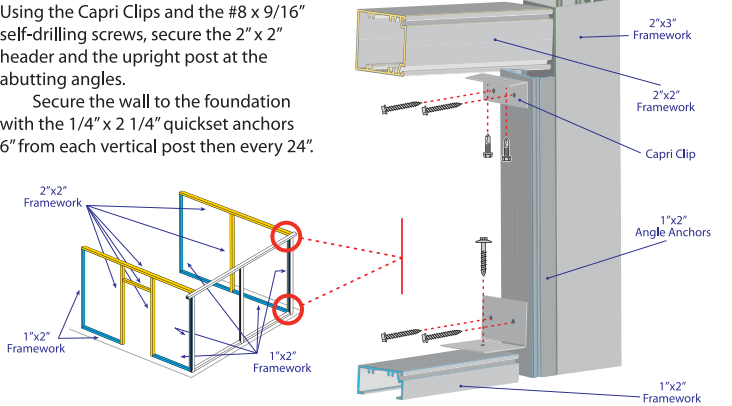
For masonry walls, pre-drill with a 3/16" drill bit through the 1" x 2" framework and into the house every 24". Then secure the framework to the house with the 1/4" x 2 1/4" quickset anchors.

For wood walls, pre-drill with a 5/64" drill bit through the 1" x 2" framework and into the house every 24". Then secure the framework to the house with the #10 x 3" hex head screws.

At the intersections of the upright post and the base framework, secure an angle anchor through the 1" x 2" framework and into the foundation with the 1/4" x 2 1/4" quickset anchors. Then, attach the angle anchor to the 1" x 2" front upright post using the #10 x 2" sheet metal screws and the back upright post with the #8 x 9/16" self-drilling screws. Attach the angle anchor to the 2" x 2" center upright post using the #8 x 9/16" self-drilling screws.

Using the Capri Clips and the #8 x 9/16" self-drilling screws, secure the 2" x 2" header and the upright post at the abutting angles.

Secure the wall to the foundation with the 1/4" x 2 1/4" quickset anchors 6" from each vertical post then every 24".



D. Assembling Wall with Door:

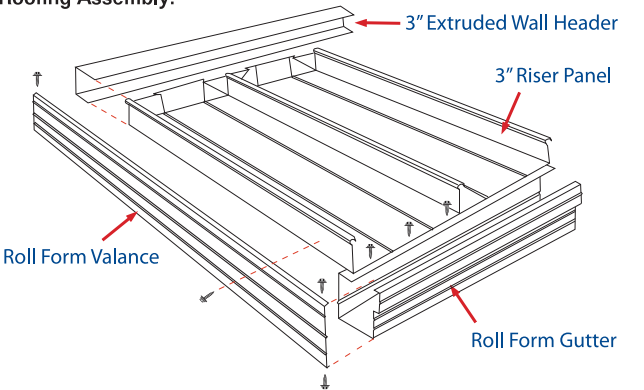
Place two 2" x 2" vertical posts on either side of a 3' x 6' 8" door opening and one 2" x 2" horizontal framework over the door. If the door is to be used on the side wall the vertical uprights should be cut at a slight angle to match the 'slope'.

At the intersections of the upright post and the base framework, secure an angle anchor through the 1" x 2" framework and into the foundation with the 1/4" x 2 1/4" quickset anchors. Attach the angle anchor to the 2" x 2" upright post using the #8 x 9/16" self-drilling screws. Using a castle clip and the #8 x 9/16" self-drilling screws, secure the 2" x 2" header and the upright post.

To secure the 2" x 2" horizontal framework over the door attach the Capri Clips to the bottom of the framework with the #8 x 9/16" self-drilling screws to the upright post at the abutting angles.

Attach the door as directed by the door manufacturer.

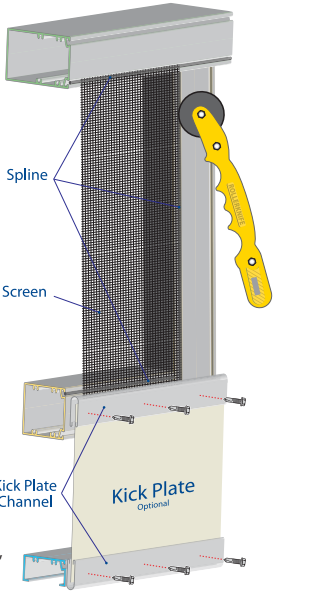
Optional Roofing Assembly:



2) Now you'll attach the Gutter and or Roll Form Valance if needed. Screw in gutter using a #8 3/4" Hex head screws, 3 per panel and screw through the lip of the gutter. Attach the gutter brace straps every four panels and caulk over screws once finished. Valance caps end of gutter. Attached valance through lip side of roof panels. Caulk where the gutter and valance meet.

F. Installing the Screen:

The spline grooves in the framework are designed to accept .310 flat spline. Place the screen over the framework and insert spline into groove with hand to get started, ensuring flat side of spline is against the framework. Then, using Rollerknife screening tool or any heavy duty screen tool, roll screen into groove using back and forth motion. Start with top horizontal, and then roll the sides and finally the bottom horizontal. Use a sharp utility knife to cut excess screen by running blade along inside of groove on the opposite side of the screen opening.



G. Attaching the Kickplate Coil: (optional)

Cut and slip the kickplate channel over the ends of the coil (top, bottom and sides).

Using #8 x 9/16" self-drilling screws, screw through the kickplate channel into the 1" x 2" floor framework and the 2" x 2" kickplate rail. Place screws every 6".

IMPORTANT NOTE

These instructions are written as a general guide for the procedures of planning and constructing a screen enclosure. The instructions are designed to meet the Florida Building Code for most areas of Florida. It also meets the requirements of the International Residential Model Building Code. Building Codes and design/construction requirements are different and particular to a given area. We recommend that you consult your local building department to determine the requirements in your area. We assume no liability for the actual design or construction of your project, or the finished product; we specifically disclaim any express or implied warranty (including any warranties of merchantability or fitness for a particular use).



Screen Enclosures
Call 1-800-768-7325
with questions or comments



Screen Enclosure System

Parts List

Screen Tight Vendor # 76609

ITEM #	DEPOT SKU	UPC#	ITF14#	Sell Pack Qty	Buy Pack Qty	ITEM DESCRIPTION
WF128	631171	731677631173	10731677631177	1	20	1"X2"X8' WHT FRAMEWORK .040
BF128	631123	731677631128	10731677631122	1	20	1"X2"X8' BRNZ FRAMEWORK .040
WF1210	631185	731677631180	10731677631184	1	20	1"X2"X10' WHT FRAMEWORK .040
BF1210	631137	731677631135	10731677631139	1	20	1"X2"X10' BRNZ FRAMEWORK .040
WF228	631199	731677631197	10731677631194	1	10	2"X2"X8' WHT FRAMEWORK .040
BF228	631154	731677631159	10731677631156	1	10	2"X2"X8' BRNZ FRAMEWORK .040
WF2210	631204	731677631203	10731677631200	1	10	2"X2"X10' WHT FRAMEWORK .040
BF2210	631168	731677631166	10731677631163	1	10	2"X2"X10' BRNZ FRAMEWORK .040
WF238	361155	731677361155	10731677361152	1	10	2"X3"X8' WHT FRAMEWORK .050 GA
BF238	361138	731677361131	10731677361138	1	10	2"X3"X8' BRNZ FRAMEWORK .050
WRFPNL12	253-966	731677253962	10731677253965	1	4	White 12" x 12' Flat Roof Panels
WPRPNL12	253-779	731677253771	10731677253778	1	10	White 12" x 12' Protector Panels
WHDR312	444-553	731677444551	10731677444558	1	4	White 3' x 12' Extruded Header
WVAL12	381-141	731677381146	10731677381143	1	4	White 6' x 12' Valance-Roll Form
WUCHAN10	444-472	731677444476	50731677444471	1	50	10' White Channel for Kickplate
BRUCHAN10	784-184	731677784183	50731677784188	1	50	10' Bronze Channel for Kickplate

Screen Tight Vendor # 640882

WCCAF	630960	731677630961	60731677630963	10	50	WHT CAPRI CLIP ANGLE FASTNR-10BG
BCCAF	630957	731677630954	60731677630956	10	50	BRNZ CAPRI CLIP ANGLE FASTNR 10 BG
WAA22	495166	731677495164	10731677495161	6	30	ANGLE ANCHOR 2"X2"X1/8" WHT 6 BAG
BAA22	495093	731677495096	10731677495093	6	30	ANGLE ANCHOR 2"X2"X1/8" BRNZE 6 BAG
WQSA2	457621	731677457629	20731677457623	25	25	1/4X2-1/4 WHT QUICKSET ANCHOR 25/BAG
BQSA2	457702	731677457704	20731677457708	25	25	1/4X21/4 BRNZE QUICKSET ANCHR 25 BAG
WSMS102	457814	731677457810	20731677457814	25	50	NO10X2 WHT SHT METAL SCREW-25/BAG
BSMS102	457764	731677457766	20731677457760	25	50	NO10X2BRNZ SHT METAL SCREW-25 BAG
WSMS103	459482	731677459487	20731677459481	25	25	NO10X3 WHT SHT METAL SCREWS 25 BAG
BSMS103	459532	731677459531	20731677459535	25	25	NO10X3 BRNZ SHT METAL SCREWS 25 BAG
WTS916	457862	731677457865	10731677457862	100	50	NO8X9/16 WHT TEK SCREW - 100/BAG
BTS916	457960	731677457964	10731677457961	100	50	NO8X9/16 BRONZ TEK SCREWS 100 BAG
ASWW34	459806	731677459807	10731677459804	100	13	NO8X3/4 ALUM SCREW W/WASHER-100 BAG
WSMS34	432671	731677432671	10731677432678	100	50	10X3/4 SELF DRILLING SCREW WH 100/B
BSMS34	462699	731677462692	10731677462699	100	50	10X3/4 SELF DRILLING SCREW BRNZ 100/B
WKPC16	152-856	731677152852	20731677152856	1	2	16" x 16' White Kickplate
BRKPC16	152-866	731677152869	20731677152863	1	2	16" x 16' Bronze Kickplate
WCCUF	332-103	731677332100	20731677332104	1	100	White Castle Clip U Fastener
BCCUF	784-176	731677784176	20731677784170	1	100	Bronze Castle Clip U Fastener
WSP12	444-529	731677444520	10731677444527	1	12	White 12oz Touch-up Paint
BSP12	877-484	731677877489	10731677877486	1	12	Bronze 12oz Touch-up Paint
WGBS6	840-510	731677840513	10731677840510	1	50	White Gutter Brace Strap 6"