



## RWM Inc.

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## Installation Suggestions for Multi-Piece Domes

Last Updated: 9/12/2022

**WARNING!** If you have any physical limitation or condition, consult your physician. Always obtain assistance before lifting and setting domes and light covers into place. These are general ideas only, and should never supersede safety, common sense, or applicable laws and regulations. RWM Inc. assumes no liability for accidents or improper installations.

**We're Here to Help!** Every person processes information differently. If you have any questions or concerns, please call us at **801.268.2400**. We'll connect you with an installer who can walk you through it, and give you any tips or pointers that might be helpful for your situation.

We pre-fit multi-piece domes together here, drill bolt holes for you, and provide the bolts, nuts, and washers in the crate. On the jobsite, we prefer to bolt the pieces together on the floor (adding some standard construction adhesive used for subfloors — we prefer Liquid Nails), and then winch it up into place. You could also use panel lifts or lots of manpower.

*Note: If you have limited space, you can put these Domes in place one piece at a time. Call us for tech support and we'll walk you through how we typically handle it.*

Below left is a picture of a multi-piece dome clamped together, pre-fit and pre-drilled for bolts, nuts, and washers which we provide in your crate. Below right is a picture of the recessed inner seams between two dome pieces.



When installed, note that your dome bottom mounting flange should be flush with your drywall. See the diagram on page 2.

We pre-drill and countersink the Dome bottom flange here in our shop about every 16", and include 1-5/8" zinc grabbers (bugle head, course thread wood screws — a general wood screw) in your crate. Once the dome is anchored and tied off, drywall up to the dome bottom flange. Feel free to add more screws.

For load suspension, we recommend that you drill through the meat of each bolt flange (where we have Marine plywood cast into the bolt flange), and use at least one #9 tiewire to tie each bolt flange to your rafters or structure above for additional support.

Once the Dome is installed, perfatape the recessed inner seams like you would drywall (i.e. using joint compound). We like to sponge moisten the inner seam before applying joint compound because the gypsum absorbs moisture a little faster than drywall. Try not to hump the joints. Bed the tape firmly. Three skim coats are typically required.



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## Bolt Flange Detail: Multi-Piece Domes

