



# TIN CEILINGS AND MORE

4400 Willow Parkway • Cleveland, OH 44125 • Toll Free: 866-88M-BOSS (866- 886-2677) • FAX: 216-641-7387

## NAIL-UP INSTALLATION GUIDE

**TOOLS:** Drill, driver bit, 1/32 drill bit (for pilot holes), 1" all-purpose screws (or authentic cone head nails), tape measure, chalk line, pencil, cotton gloves, guillotine cutter or standard tin snips, blunt chisel, latex-based tile adhesive, trowel and painters' caulk (optional), t-square (optional), brad gun (optional).



### STEP 1: CHECK MATERIALS AND INSTALL SUBSTRATE

Before beginning, inspect and count the contents of each crate to make sure all ordered pieces have been delivered. First, erect scaffolding or ladders for safe installation. Once this is done, install (by screwing to joists) 3/8" minimum plywood as a base to which to nail the ceiling panels. (See Figure A). When securing the plywood to the ceiling, we recommend using 2" all purpose screws. Note: Due to their depth, some 24" coffered panels will require furring strips on 24" centers, rather than plywood. Consult factory.



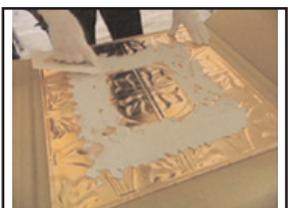
### STEP 2: SNAP A CENTER LINE

Next, find the center point of the ceiling, both width & length and snap chalk lines. (See Figure B). If installing cornice, place a cornice piece to span equally wall and ceiling. (See Figure C, indicated by the X marks). Measure and mark this distance. Then snap chalk lines on all walls and on the ceiling along all walls to mark where the cornice will be installed later (Step 5).



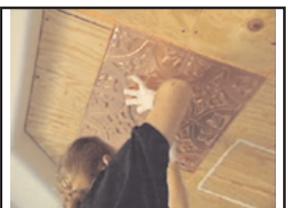
### STEP 3: UNPACK PANELS

Wearing gloves is recommended from Step 3 to completion in order to prevent marring the panel surfaces. Some panels come shipped with a PVC protective film. If necessary, remove the protective film by grabbing a corner and pulling it forward, using care not to bend the panel (See Figure D). Note: Ceramic panel adhesive can be used to help suspend the panel while nailing, while it's not required, it will speed the installation and free your hands. If adhesive is used, only apply to one panel at a time and apply in the center 18 inches of each panel. Be sure to stay away from the edge seams (See Figure E)



### STEP 4: PLACING THE FIRST PANEL

Abut the first panel against the two chalk lines at the center point (See Figure F), nail the first field panel into position, nailing on the "dots" within the panel and leaving the "dots" on the edges around the panel until adjacent panels are lapped. If installing panels with 24" patterns, use small (1/2") brads and nail within the pattern until adjacent panels are lapped. Next, install adjacent panels overlapping and underlapping as needed. (Lap away from the main entrance to better conceal seams). If filler is not being used, continue installing panels (and partial panels) out from the center point until the cornice chalk lines are breached. If filler is being used (recommended on all deeper panels), continue installing panels (and partial panels) out from the center point until the desired distance from cornice chalk lines is breached. Do not nail the edge that will lap the filler, until the filler is installed. Measure remaining distance from the final panel to the cornice chalk line and add 1" (1/2" underlap for both the cornice and the adjacent field panel). Using tin snips cut the filler to this width and slip 1/2" under the last adjacent panel, leaving about a 1/2" of filler beyond the cornice chalk line and nail into position. Continue around the perimeter of the room. If installing light fixtures, ceiling fans, etc. cut out the hole in those panels using standard tin-snips prior to installing them. (See Figure G)



\*\*Special Note for Polished Copper and Polished Brass Finish Applications\*\*

The material requires special attention when installed as a backsplash. Spray the back of the panels with clear coat acrylic to protect finish. Allow drying overnight before installation. This will protect the metal from reacting with the fill compound.



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## **STEP 5: PLACING AND INSTALLING CORNICE**

Next, install the cornice. Select the least viewed area for the starting point, usually directly over the main entrance and install the first cornice. Line up the bottom of the cornice with the chalk line on the wall. (See Figure H). For now, nail into the “dots” on the ceiling only, leaving the “dots” on the wall for later. Leave the end “dot” until the adjacent cornice piece is lapped, then nail through both pieces. Continue to install the adjacent cornice pieces around the perimeter, again lapping away from the main entrance to better conceal the seams. When a 90° corner is reached, set your compound miter saw to the following settings: Miter setting 35.26° and bevel setting 30.00° and cut the angles. (See Figure I). For angles other than 90° consult the M-Boss Inc. website or factory. Be sure to start from the same point in the cornice impression, to keep the mitering seam symmetrical. When all the cornice are installed, go back and gently nail into the “dots” on the bottoms of the cornice. Although, it is not likely that you will hit a stud with these nails, the cornice is secure from the nails along the top. These nails are mainly for appearance purposes.

## **STEP 6: RECOMMENDED (not required) TAMP OPEN SEAMS**

Last, gently hand press any open seams. For those seams that can't be handworked, tap lightly with a rubber mallet and a blunt chisel edge (the head of a large carpenter's nail can be used if a chisel is unavailable). Caulk can be used on any seams that tamping will not address. Be sure to use the same color caulk as the ceiling.