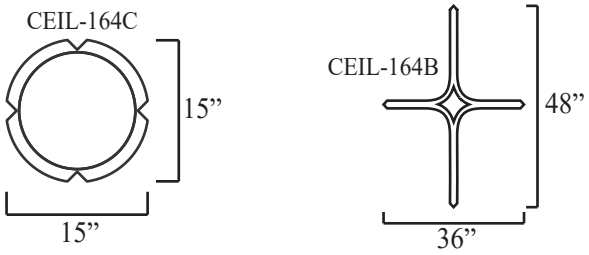
PEARLWORKS
ARCHITECTURAL DETAILS

Chaplin Ceiling Install Instructions.

(Series 3)

PATTERN DENSITY AND LAYOUT:

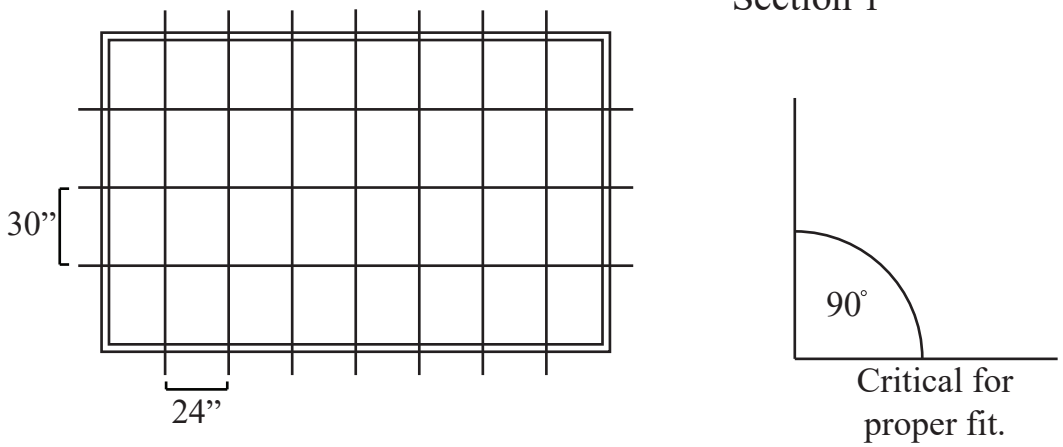
In my directions I am going to use a square ceiling shape. This ceiling was designed using only two different components. In your order you will have circle parts with “v” slots and Diamond sections with tails that have a pointed end.



The first step in any geometric ceiling installation is to determine your pattern density (see section 1). To do this we use Latitude and Longitude chalk centering lines (Grid System) on the floor under your ceiling. Centering lines that are closer together create a higher density design and Centering lines further apart create a more open….. Less dense look.

Pearlworks highly recommends using Latitude and Longitude lines spaced at 24 inches and 30 inches apart as the least dense pattern to start with. Less dense patterns can be obtained by modifing the straight connection mouldings, call Pearlworks for Information on this. If you want a higher density, these dimensions will be reduced.

Section 1



Now lay all your parts out on the floor to see if the density is correct. At this time you can move the parts out or in to determine the perfect look for your application.

Once you determine the density, take measurements of the distance between the latitude and longitude lines. This will be the basis of the grid lines that can now be transferred to the ceiling. The most important step is to make sure the Grid Lines are perfectly parallel and at 90 degrees to each other. If the lines are not parallel you will have a pattern that will not be straight.

***You cannot get this ceiling square and aligned straight without using the Grid System as a guide.**

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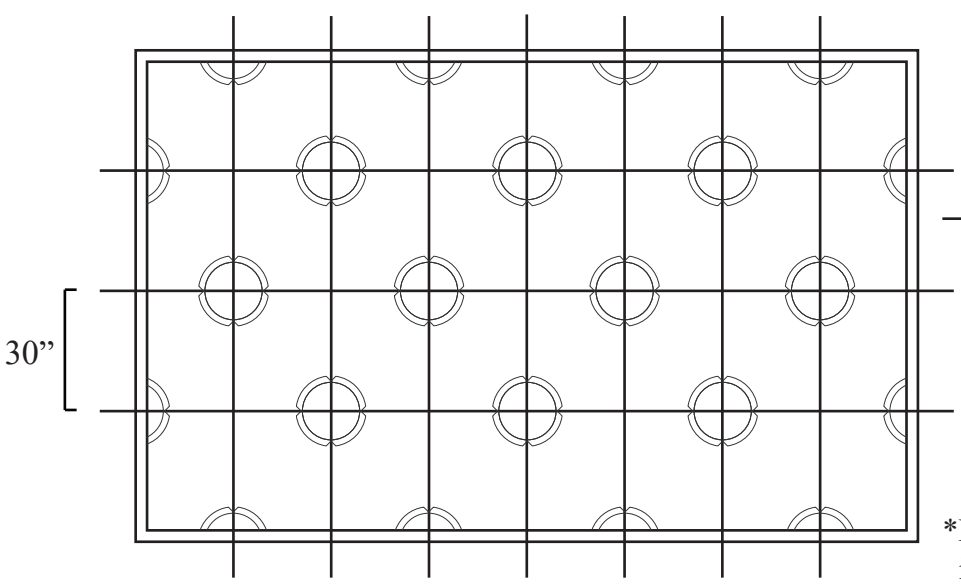
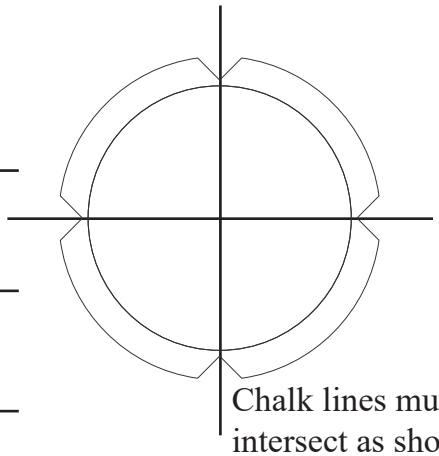
Once the grid size is finalized, its time to place all circle sections in place first (See section 2.)

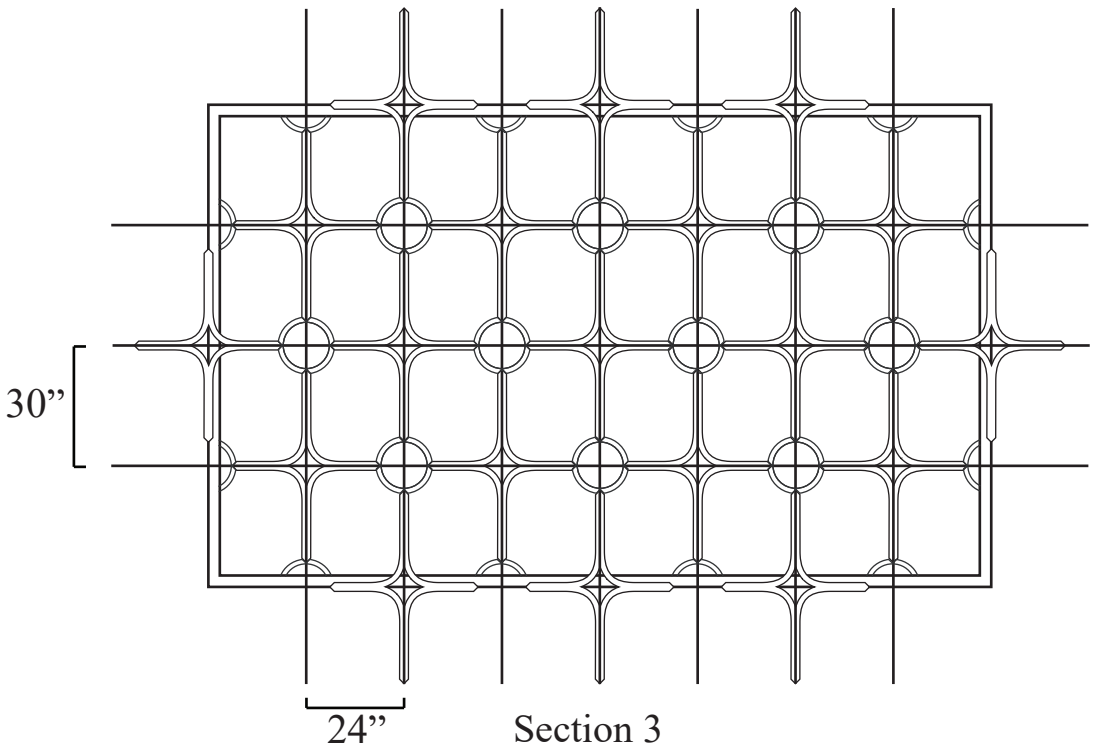




*Make sure all grid lines intersect with the “v”.

Section 2

Once all the circle sections are in place you can fill the area between them with the Diamond sections as shown in (section 3). If you did the installation correctly the tails of the diamond sections will be longer. This is done on purpose as they can now be trimmed for a perfect fit. No ceiling is perfectly flat and when the tails follow the undulations it changes the the length of the piece and can create gaps at the intersections.



Section 3

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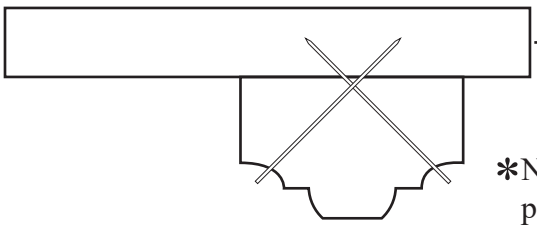
CEILING INSTALLATION:

Pearlworks recommends using both a chemical and mechanical bond for the ceiling installation.

First trim all diamond pieces for a perfect fit between the squares. Once they fit perfectly apply a bead of construction adhesive to the back of the ceiling parts and apply directly to the ceiling surface. This is a two man job as one person will hold and the other will use the micro-nailer to secure into place.

Adhere the ceiling right to the drywall surface using sub-floor adhesive along with 23-gauge micro-pinner nails installed at an angle to hold the ceiling in place until the glue dries. dries.



*Nail at this angle to hold part until glue dries.

*Use only 1-1/4” or 1-1/2” Long 23-Gauge Micro-Pinner Nails only.

*DO NOT USE SCREWS. THEY CAN AND WILL CAUSE SPLITS.

*Installation Tip!

Lay-out your grid dimensions 1 inch narrower on both horizontal and verticle grid lines this is why we use 24” and 30” spacing. We always keep our grid lines narrower than the part. This allows you room to compensate for slight irregularities.

Here is the problem, your ceiling is not perfectly flat. Resin will follow every high and low spot for a tight fit against the ceiling overall.

The problem is the lengths of the resin part will come up short because of the high and low spots on the ceiling.

The tighter grid requires you cut each part but the benefits guarentee a perfectly tight fit vs filling gaps if you come up short.

If you have any further questions please contact Pearlworks at (714) 573-1700