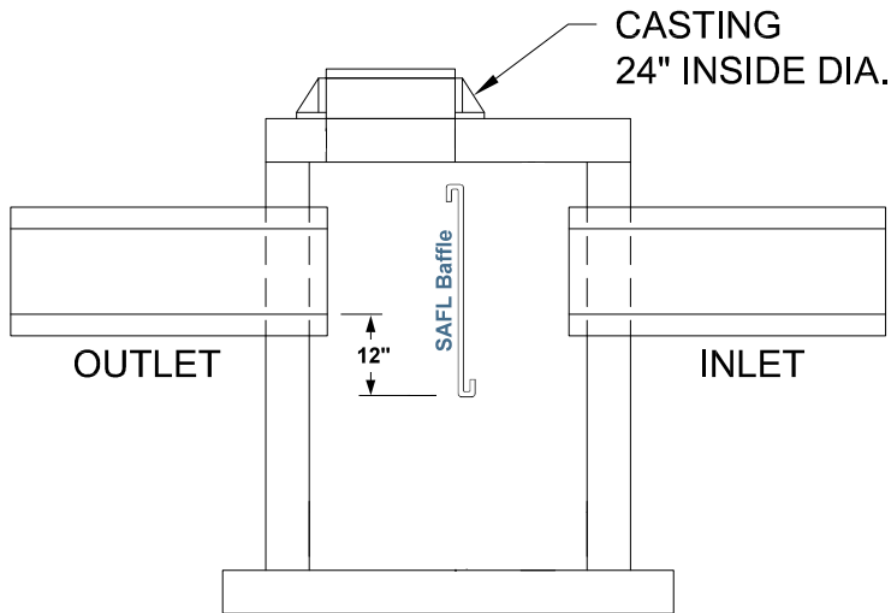
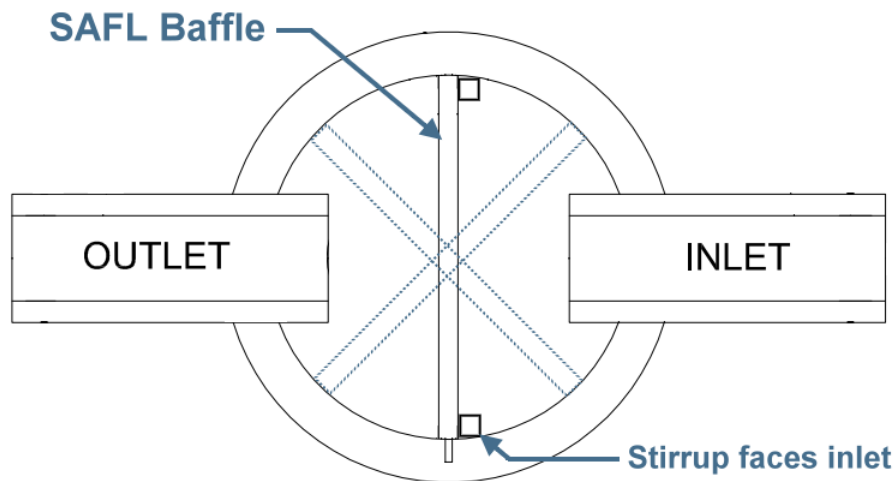


SAFL BAFFLE INSTALLATION INSTRUCTIONS



SIDE VIEW OF SUMP

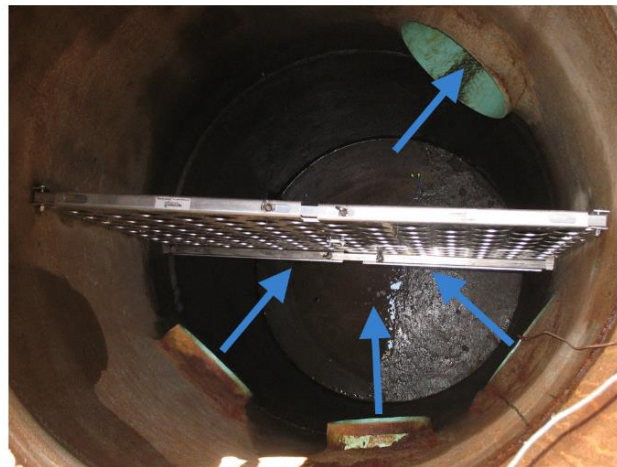
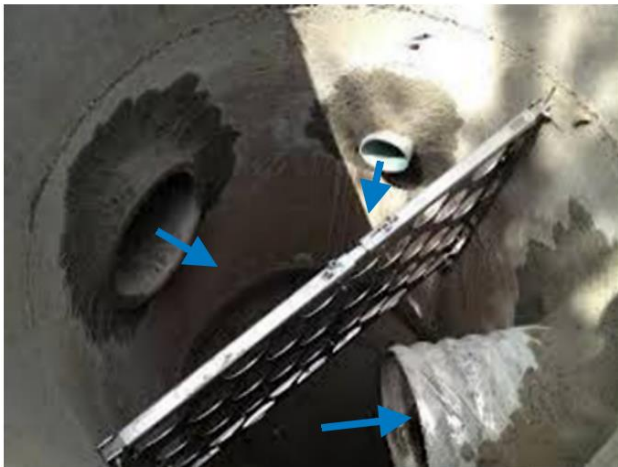
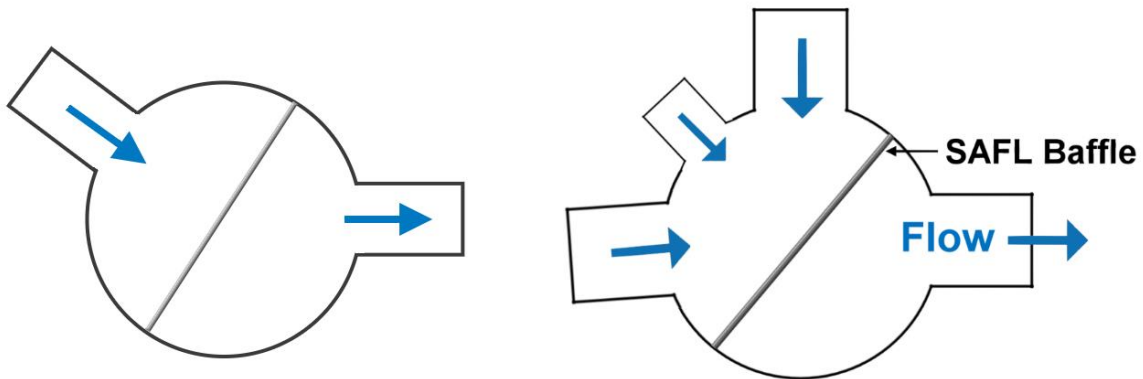


TOP VIEW OF SUMP

SAFL Baffle should be as perpendicular as possible to the inlet pipe but may be rotated up to 45 degrees to avoid other pipes and ladder rungs

SAFL Baffle Orientation and Position

- The bottom of the baffle should be 12 inches below the inside bottom of the outlet pipe
- Baffle to be set as perpendicular as possible to the inlet pipes combined flow
 - (see examples below)
 - Baffle may be rotated to avoid pipes and ladder rungs up to 45 degrees to inlet pipe flow
- Baffle to be installed as close to the center of the sump structure as possible

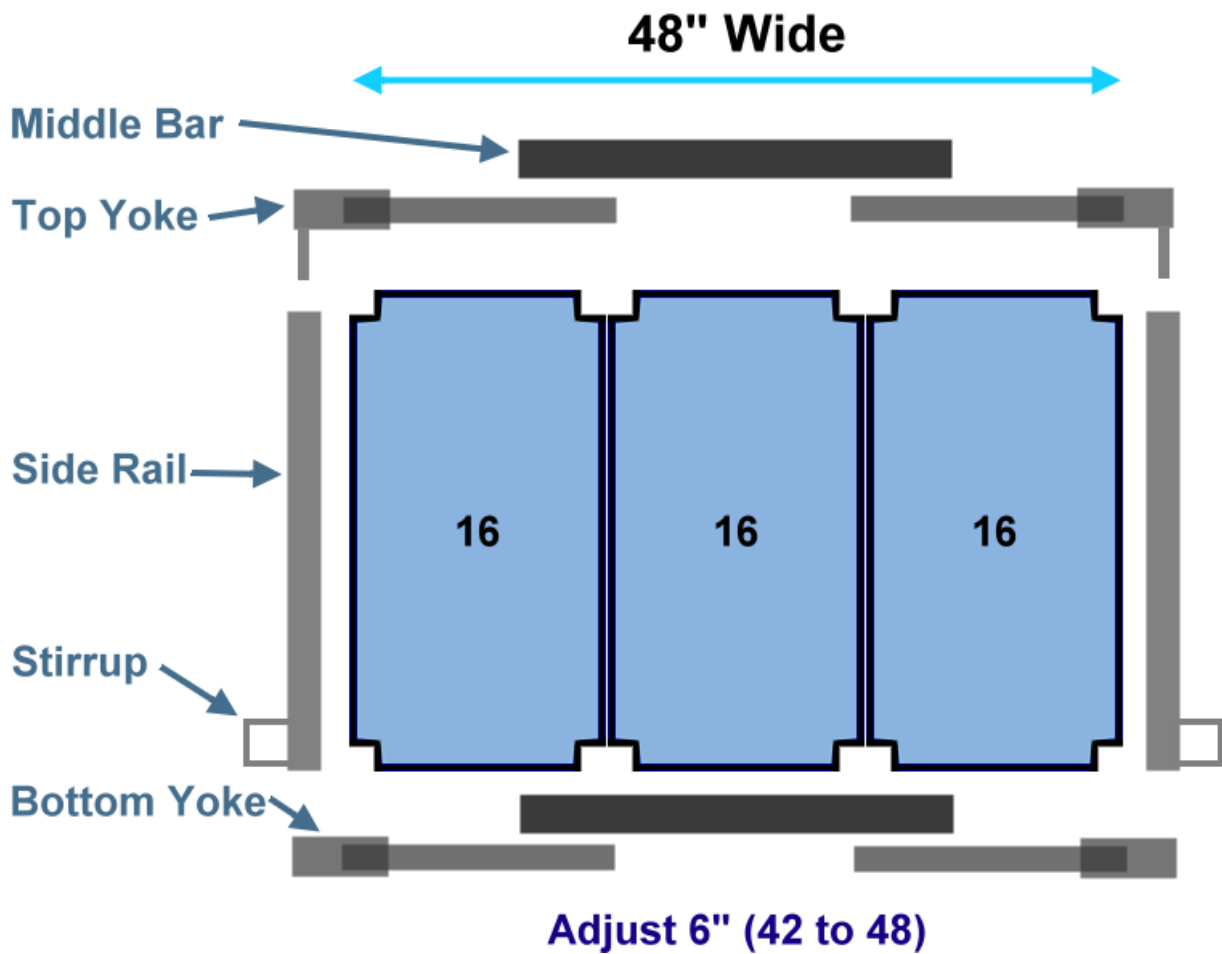


TOOLS NEEDED:

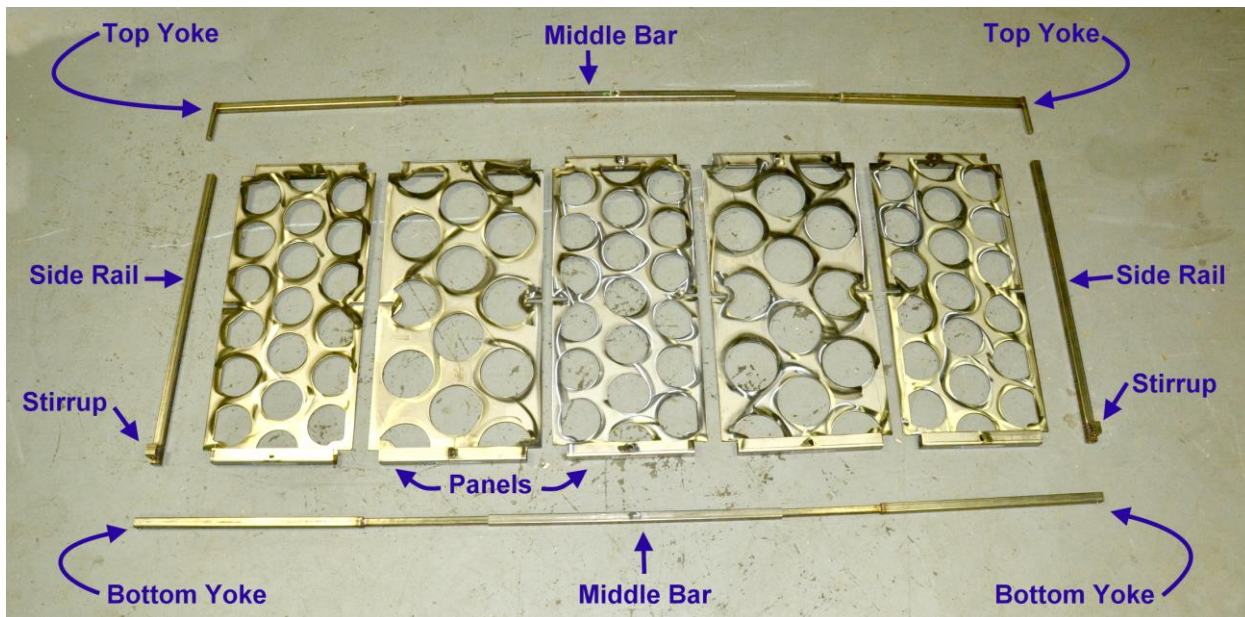
- Marker
- Measuring Tape
- Level
- Hammer Drill
- Hammer
- Ladder
- 1/2 inch wrench
- 1/2 inch socket
- 9/16 inch wrench
- 9/16 inch socket
- 3/8 concrete drill bit (Supplied)

Basic Layout for SAFL Baffle Assemblies:

Each SAFL Baffle width has a slightly different layout, but all take the following basic form:

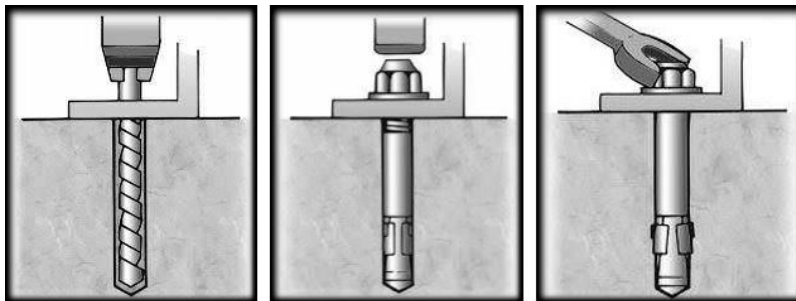


For layout of specific sizes, consult Appendix 'A' in the back of this document.



STEP 1: Install Side Rails to concrete walls

1. Set height of first side rail (Bottom of side rail set 12" Below Inside of Outlet Pipe)
2. Plumb Side Rail with Stirrup at the bottom facing inlet pipe
3. Mark holes on manhole wall with marker



1) Drill

2) Hammer

3) Tighten Nut

- A. Drill holes into concrete 2" deep using the supplied 3/8" bit
- B. Clean out the hole of all debris (Blow dust out of hole)
- C. Thread nut and washer (flush) on the end of the anchor bolt (to protect the threads)
- D. Hammer the wedge anchor into the hole

Anchor Bolt Video: https://youtu.be/3JI_9ggbmcY

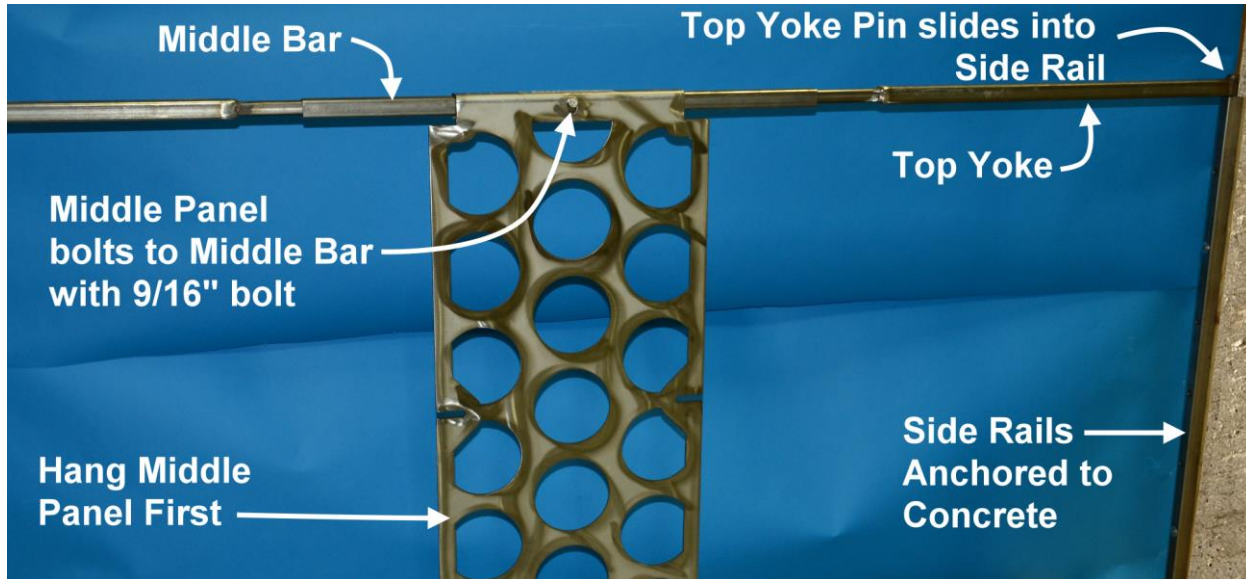
Anchor Bolt Manufacturer's Instructions:

<https://www.confast.com/thunderstud-wedge-anchor-installation-instructions>

4. Mount side rail to wall over anchor bolts and tighten nuts with 9/16" wrench 3 to 4 full turns
(Make sure Stirrup is on the bottom and facing the inlet pipe)
5. Repeat steps 1 to 4 with second side rail on other side of sump

STEP 2. Assemble Top frame members: (Top Yoke – Middle Bar – Top Yoke)

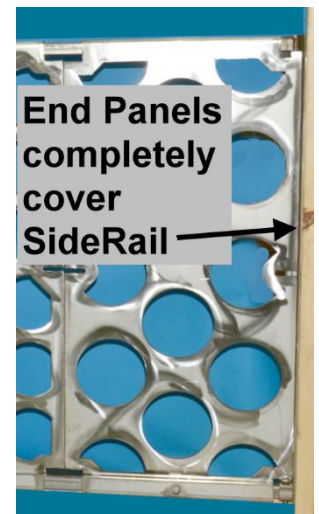
1. Insert Top Yoke pin into the top of one of the installed Side Rails
2. Slide Middle Bar over Top Yoke shaft making sure the hole in the middle tube is facing horizontal and not up and down.
3. Slide second Top Yoke into Middle Bar and drop Yoke Pin into opposing Side Rail

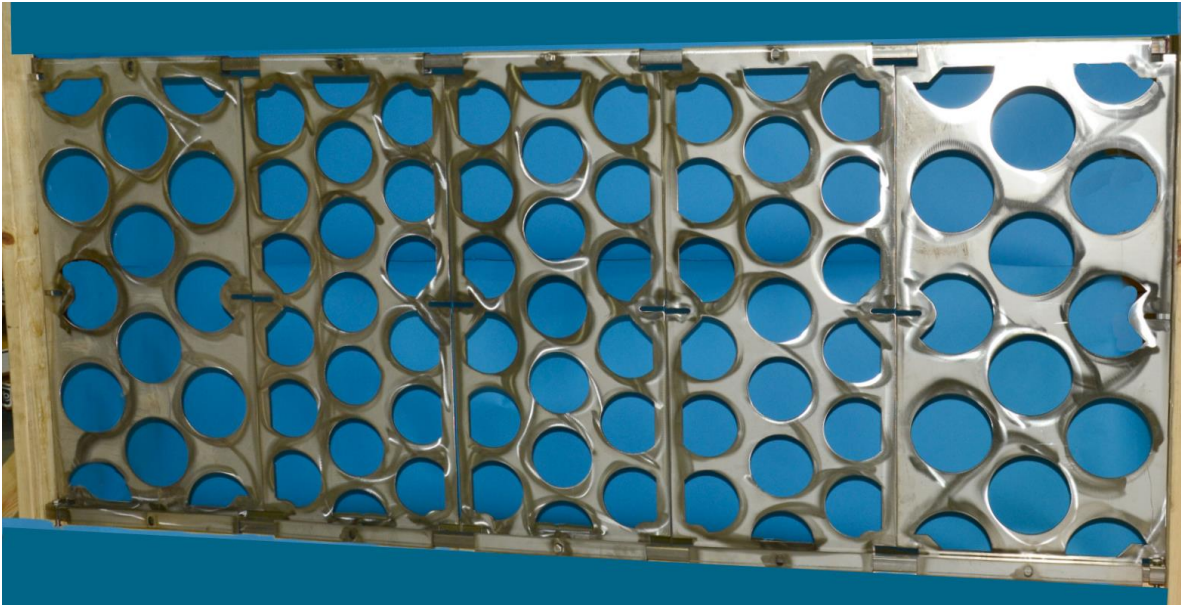


STEP 3. Hang Panels (On Inlet Pipe Side of Baffle Frame)

(Consult Appendix A of these instructions for Panel Order)

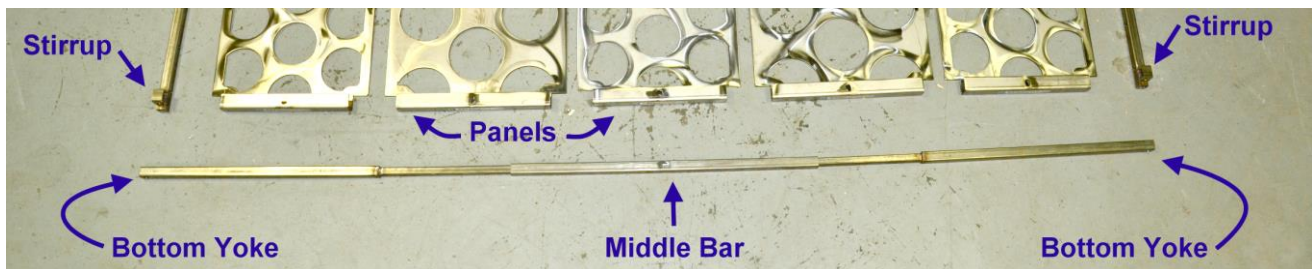
1. Stand between Baffle Frame and the Inlet Pipe
2. Hang the middle panel over the middle bar
3. Line up the hole in the middle bar and the hole at the top of the panel.
4. Use supplied 5/16" bolt and lock nut and secure with a 1/2" wrench
5. Hang remaining panels.
 - a. Far left and far right panel should completely overlap the side rail and touch the concrete walls.
 - b. If baffle is mounted in the exact center of the sump, the panels should not overlap.
 - c. If baffle is mounted off center diameter of sump, the panels may overlap. This is OK.





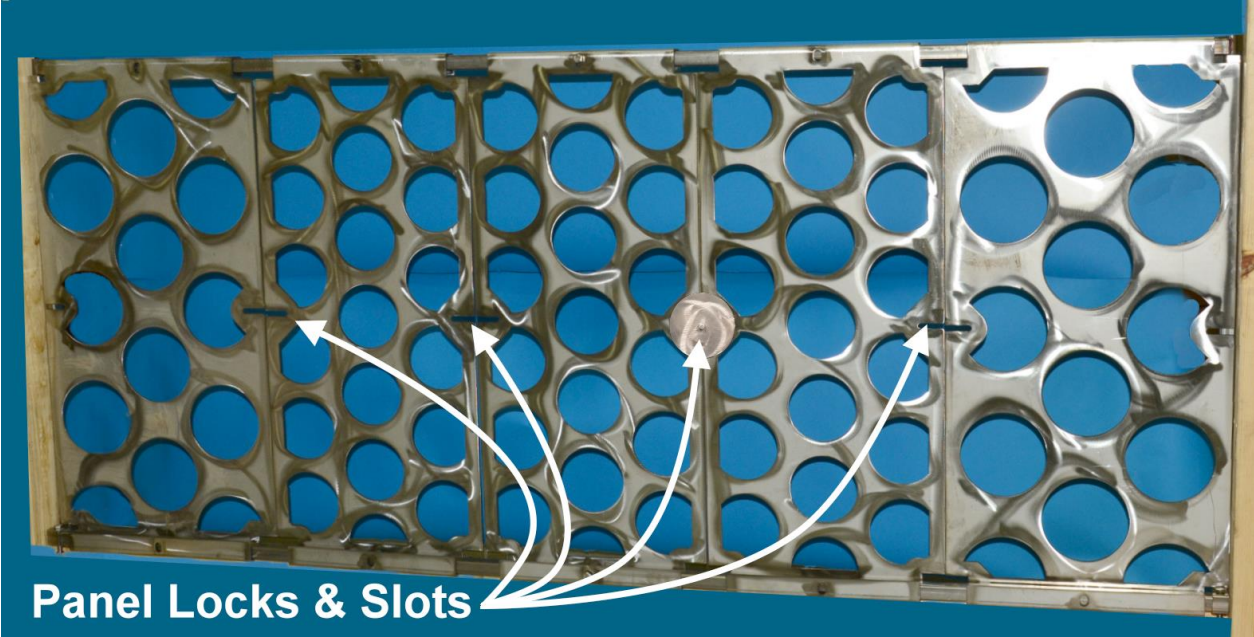
STEP 4. ASSEMBLE BOTTOM FRAME

1. Slide together the Bottom Yoke Assembly: [Bottom Yolk – Middle Bar – Bottom Yolk]
 - Make sure the hole in the middle bar is facing horizontal, not up/down
2. Compress / slide all 3 pieces together and slide a Bottom Yolk into a Stirrup.
 - Make sure hole in bottom yolk is facing up/down
 - Put a 5/16" bolt through stirrup and Bottom Yolk (Do not use a nut yet)
3. De-Compress / slide all 3 pieces apart and slide other Bottom Yolk into other Stirrup.
 - Make sure hole in bottom yolk is facing up/down
 - Put a 5/16" bolt through stirrup and Bottom Yolk (Do not use a nut yet)
4. Line up hole in bottom of the Middle Panel with hole in Bottom Middle Bar.
 - Use supplied 5/16" bolt and lock nut to secure panel to Middle Bar.
5. Finally, secure the two 5/16" bolts through each Stirrup and Bottom Yoke with a lock nut

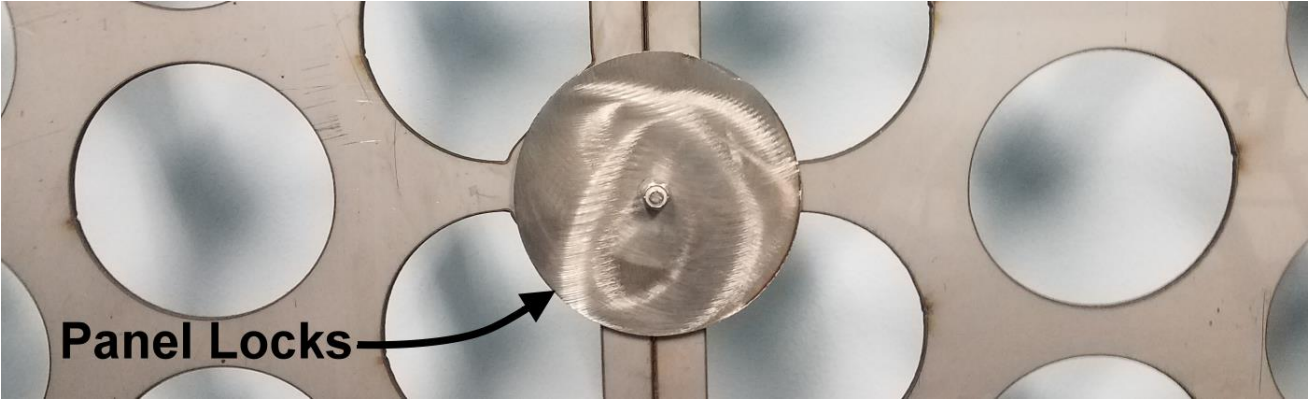


STEP 7. (TIE PANELS TOGETHER WITH PANEL WASHERS)

Use supplied Panel Locks and Bolt panels together at all mating slots in the panel



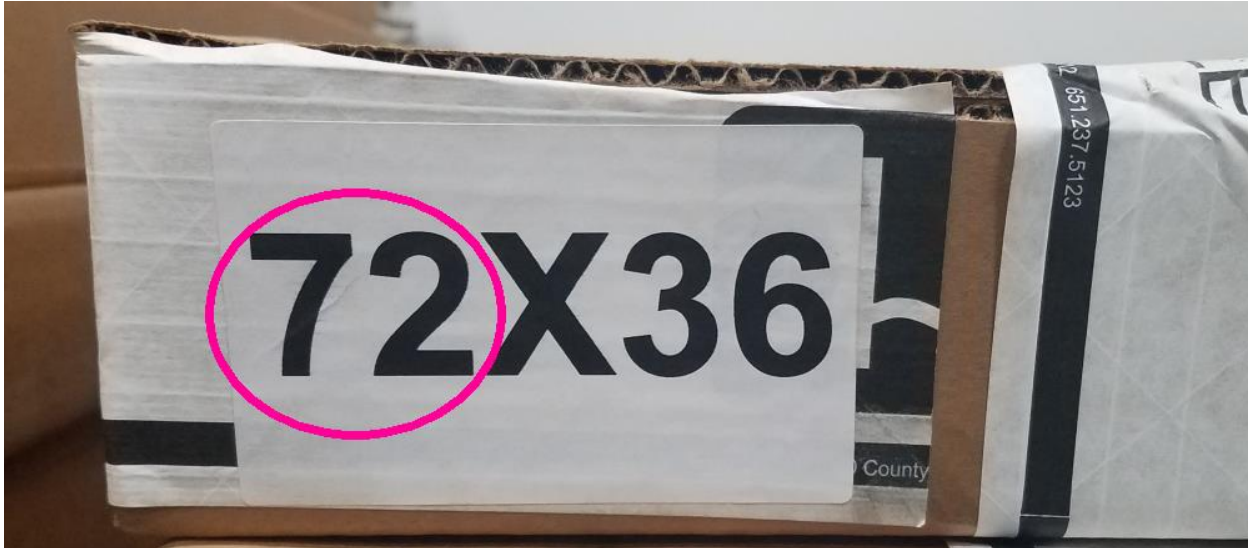
Two Panel Lock Plates for each slot. (one on each side of panel)



APPENDIX A

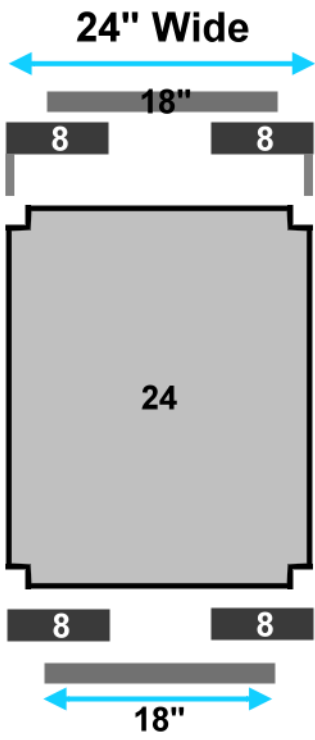
Panel Configurations

Look at the end of the SAFL Baffle Box:

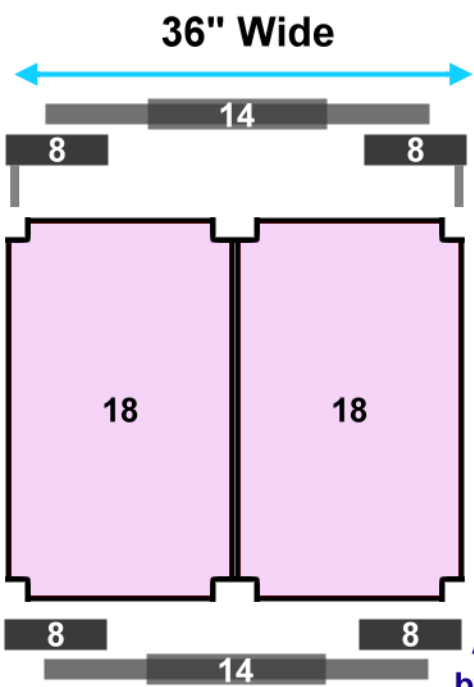


- The first number (Circled) tells you the width of the SAFL Baffle and the diameter of the Sump in inches.
- The second number tells you the height of the baffle.

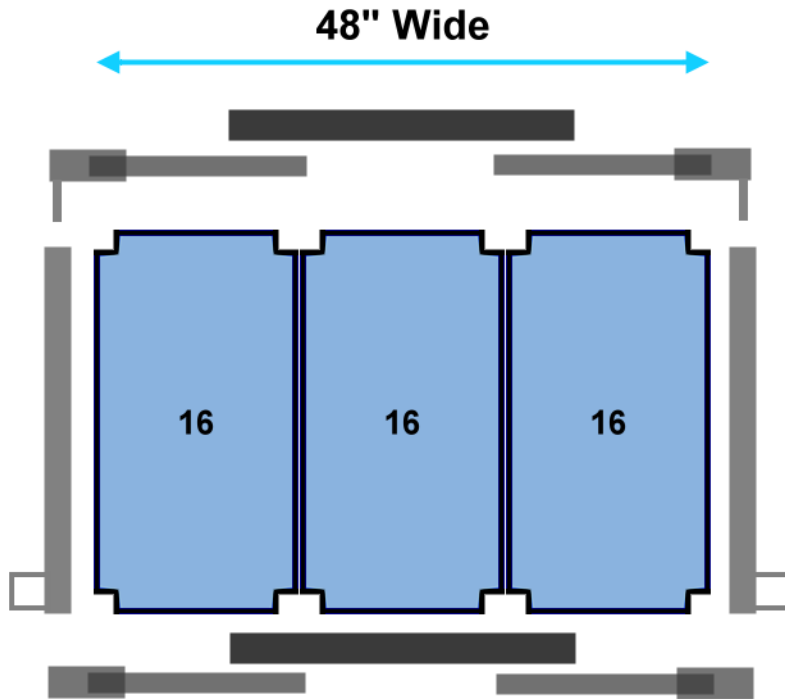
Use this first number to search the following panel configurations for guidance on your installation.



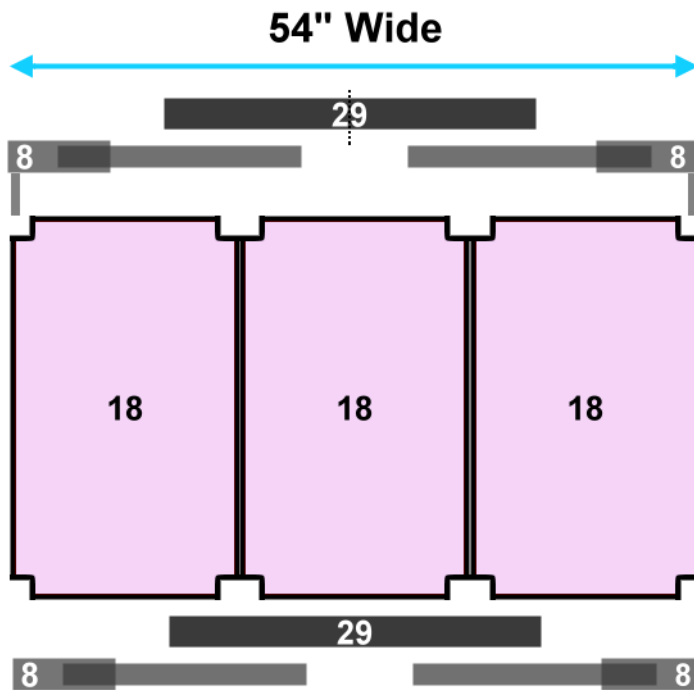
No Middle Bolt
No Adjustment



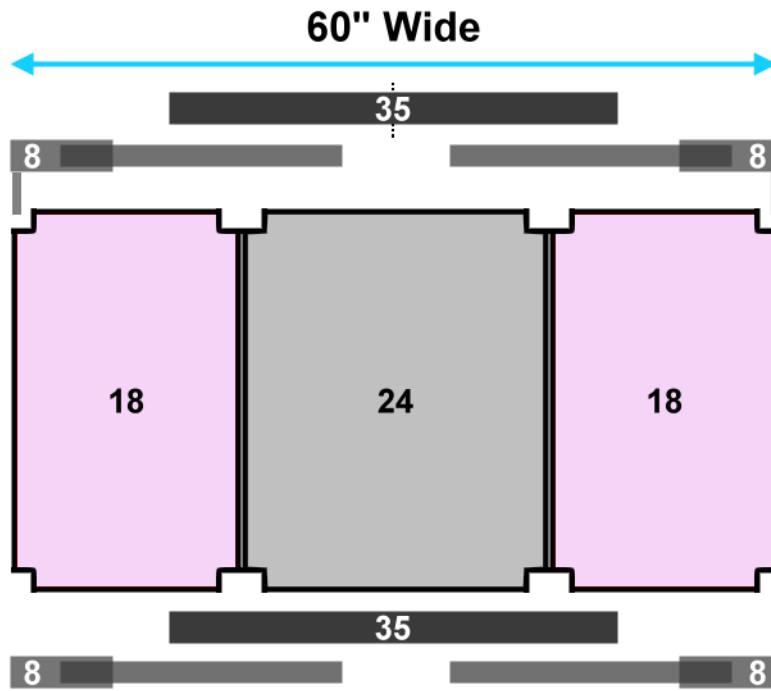
No Middle Bolt
Adjust 3" (33 to 36")
by overlapping panels



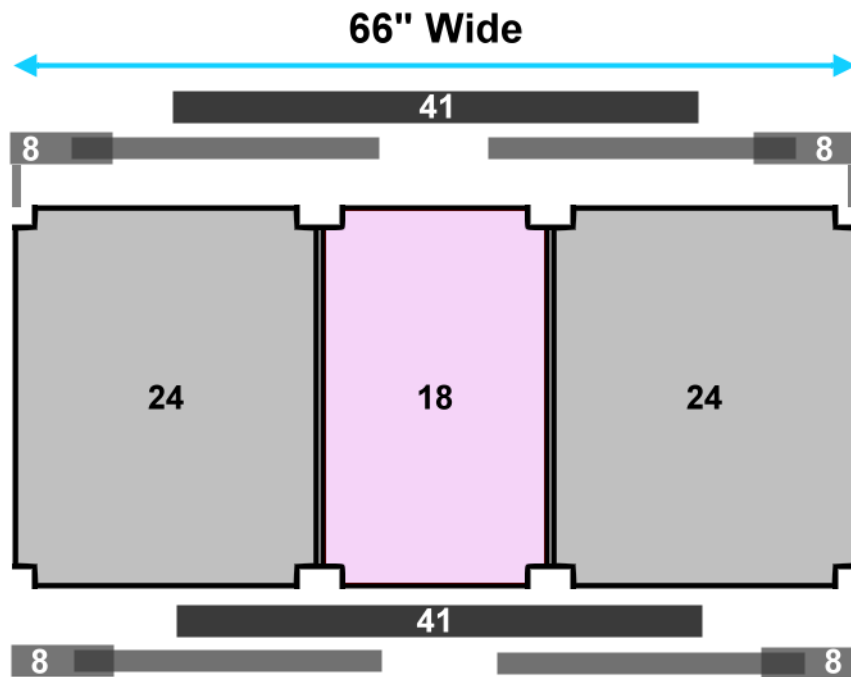
Adjust 6" (42 to 48) by overlapping panels



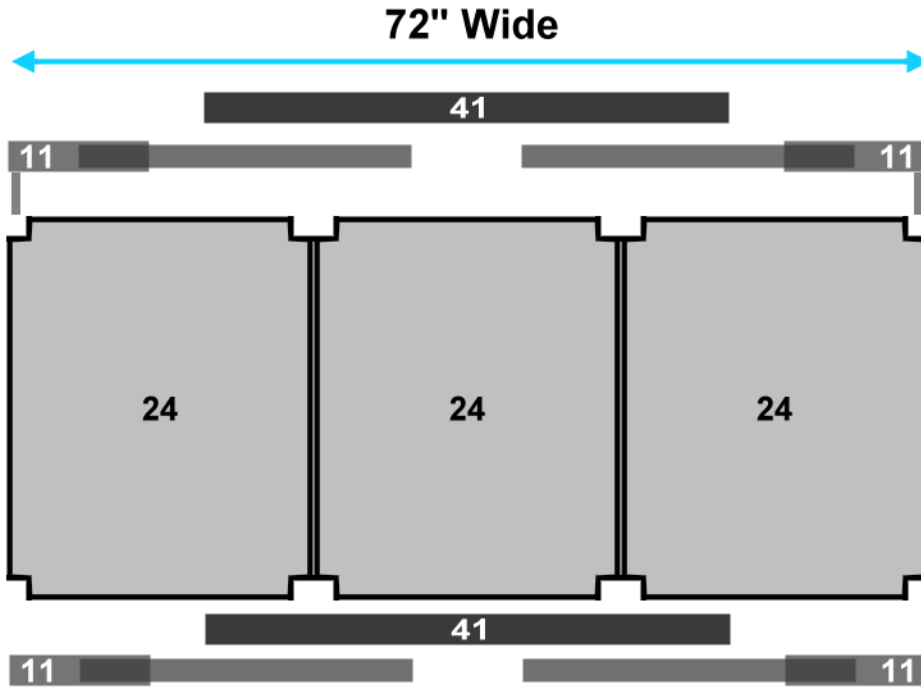
Adjust 6" (48 to 54) by overlapping panels



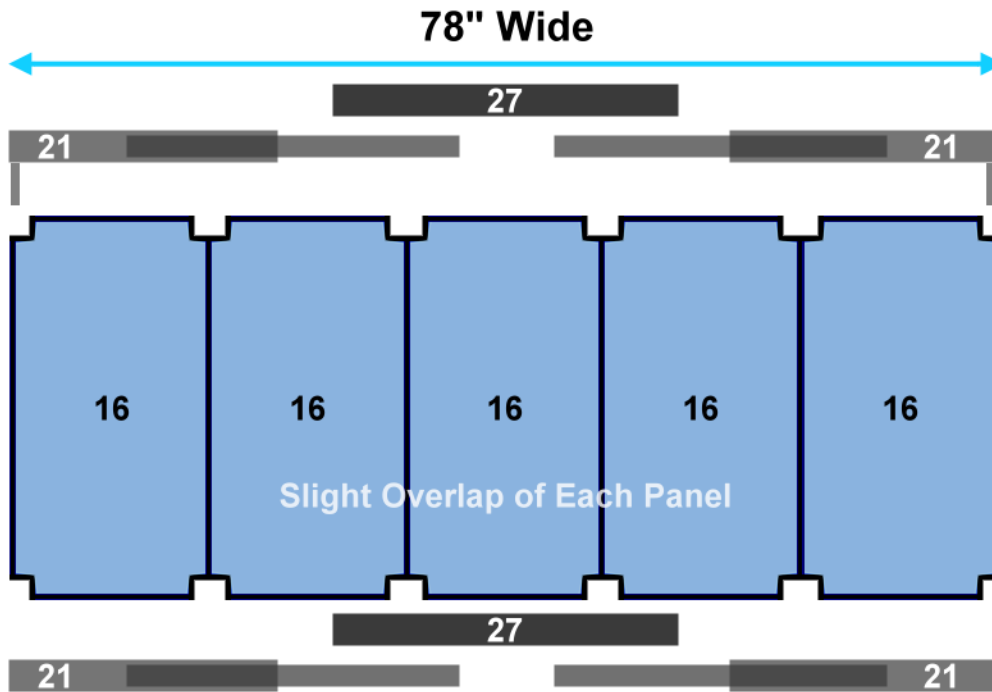
Adjust 6" (54 to 60) by overlapping panels



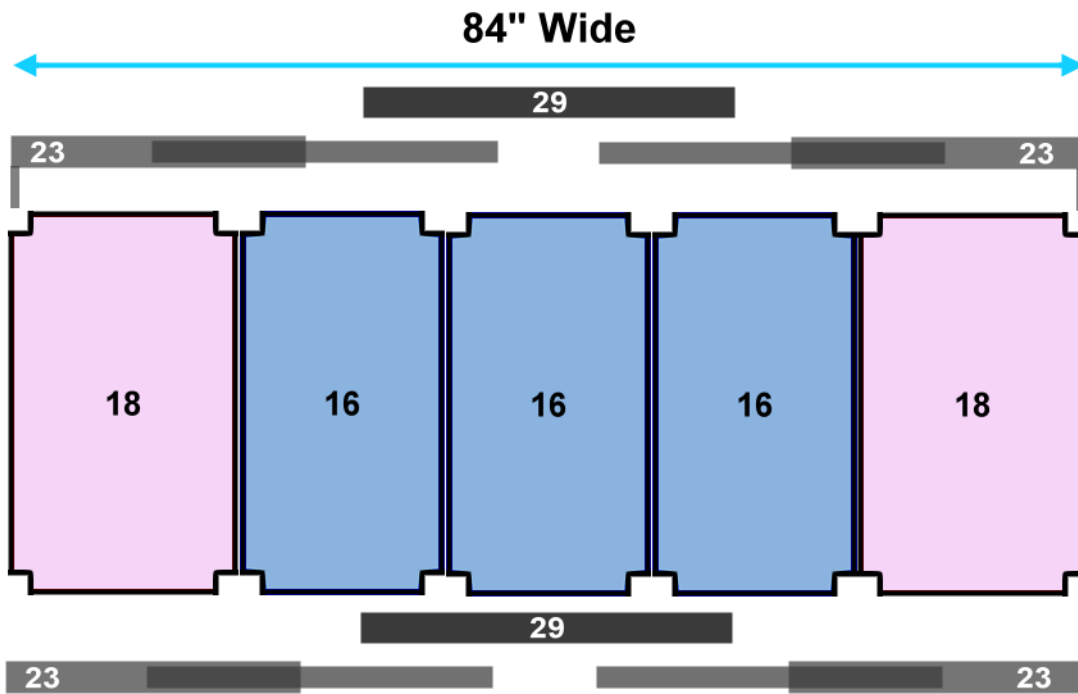
Adjust 6" (60 to 66) by overlapping panels



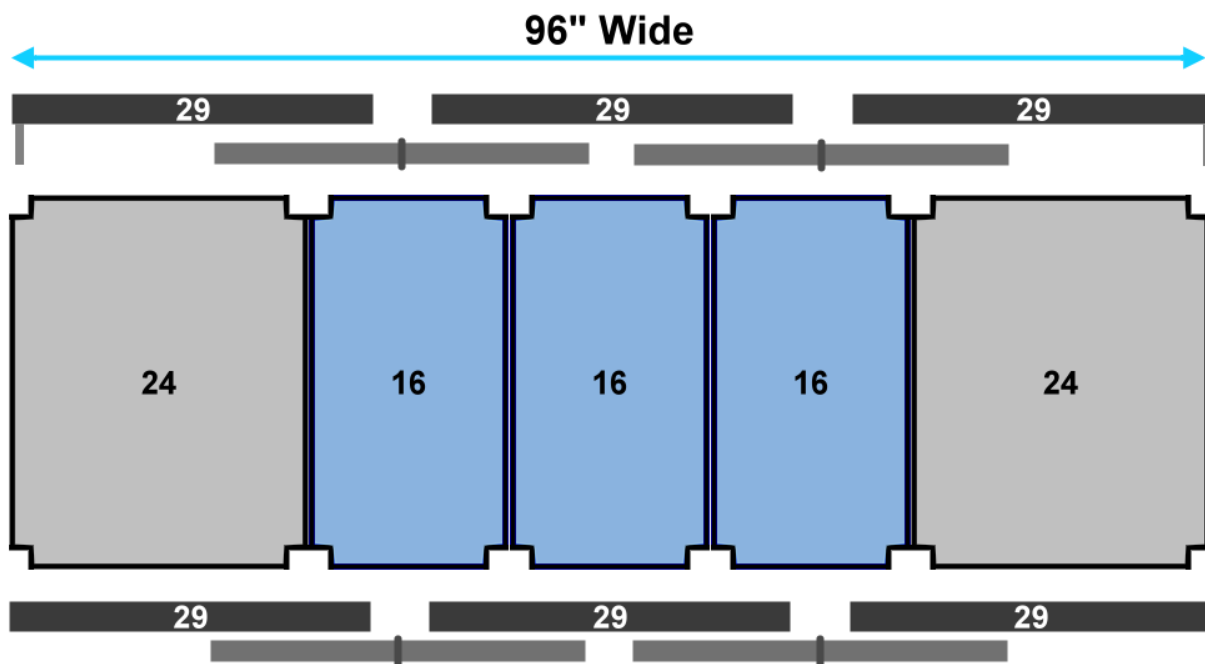
Adjust 6" (66 to 72) by overlapping panels



Adjust 8" (72 to 80) by overlapping panels



Adjust 6" (78 to 84) by overlapping panels



Adjust 6" (90 to 96) by overlapping panels

