



Light Trap Framed Cartridge and Rod Style

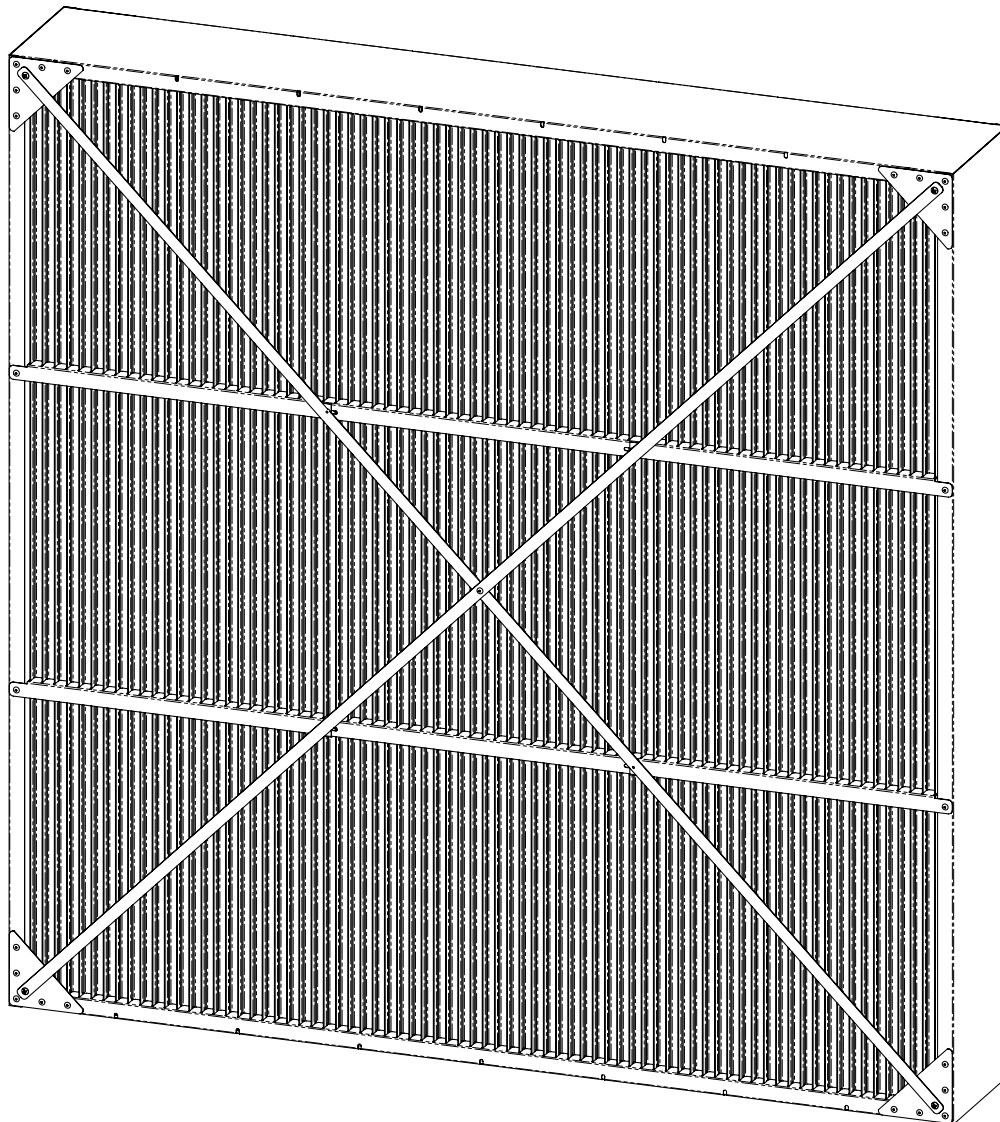
Assembly & Installation Quick Sheet

Overview:

The following are instructions for the assembly and installation of Framed Cartridge and Rod Style Light Trap systems.

Please Note:

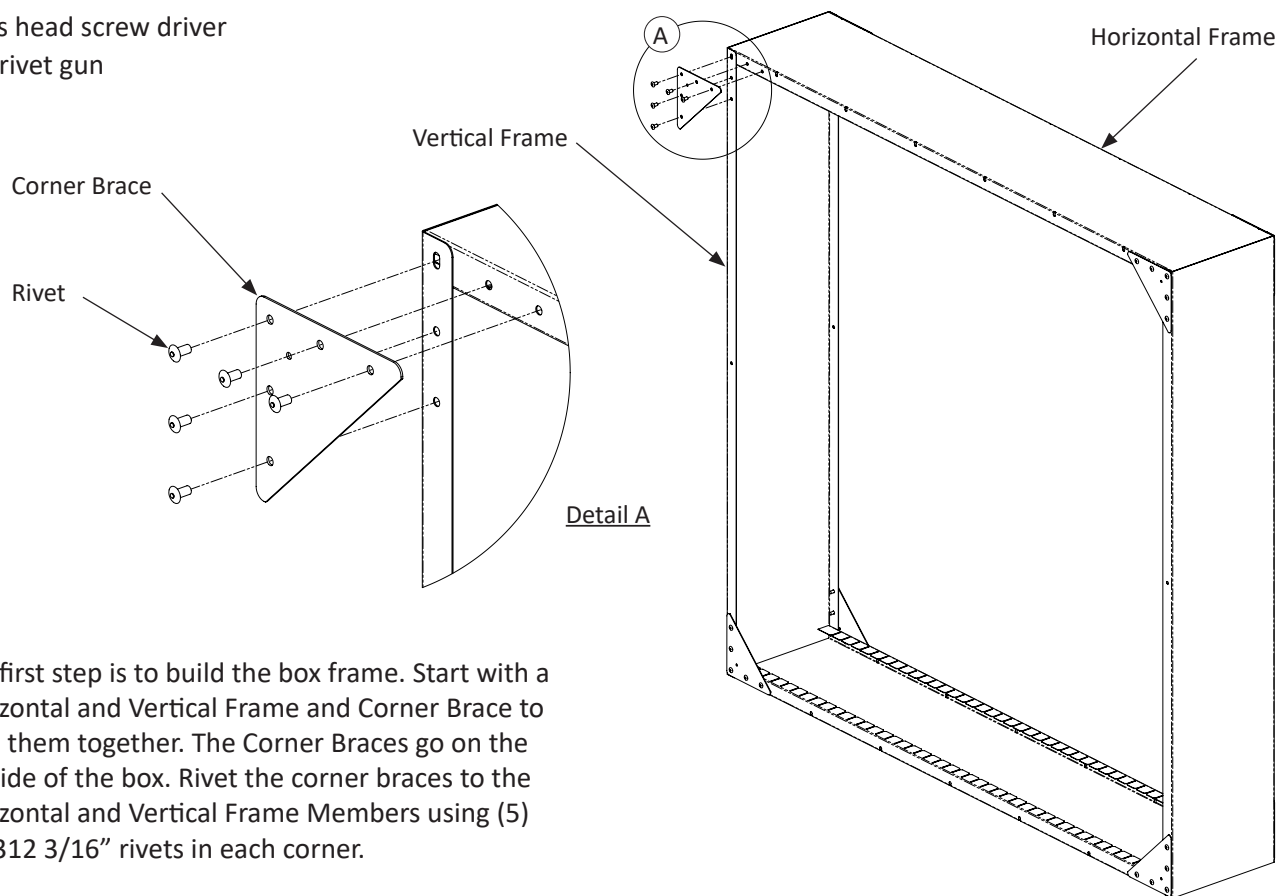
Hardware, lumber, and similar construction components shown in these instructions are NOT included with the purchase of a Framed Cartridge or Rod Style Light Trap. Hardware type, lumber size, and other additional components will vary in availability by region and type of barn design.



Framed Cartridge Light Trap Assembly Instructions:

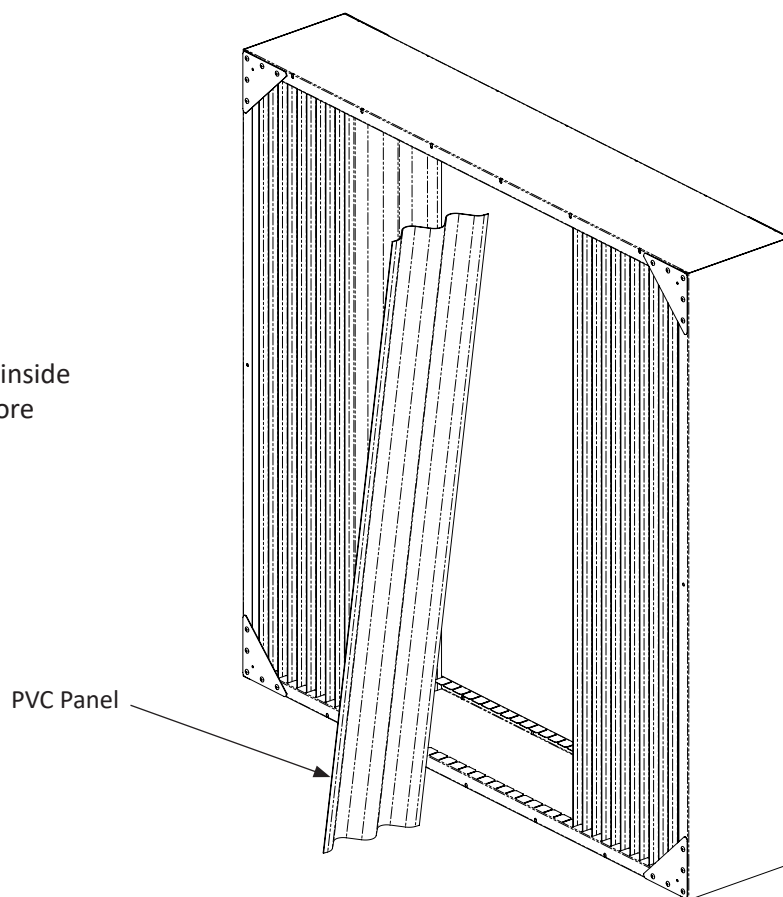
Tools Required:

- Phillips head screw driver
- 3/16" rivet gun
- awl



1. The first step is to build the box frame. Start with a Horizontal and Vertical Frame and Corner Brace to hold them together. The Corner Braces go on the outside of the box. Rivet the corner braces to the Horizontal and Vertical Frame Members using (5) 690312 3/16" rivets in each corner.

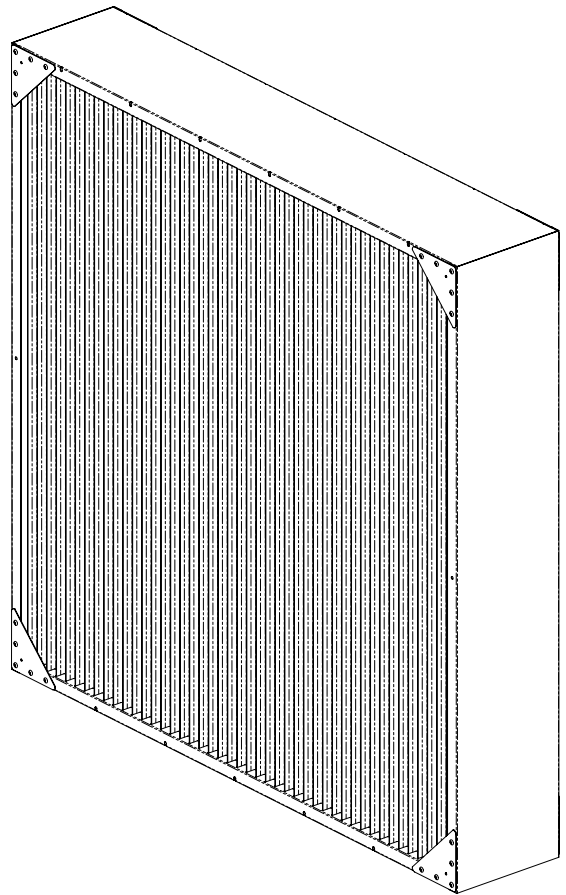
2. Insert PVC Panels into each slot inside the box. Fill in the ends first before finishing in the middle.



Framed Cartridge Light Trap Assembly Instructions - continued:

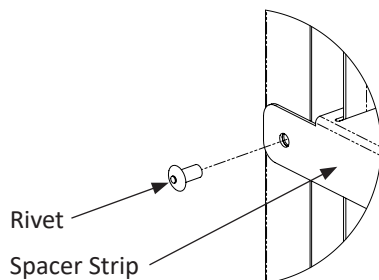
3. If the box size is under 3' (91cm) tall and under 4' (122cm) wide, then box assembly is complete - skip ahead to Step 7.

If the box size is 3' (91cm) tall or taller or over 4' (122cm) wide, please continue.

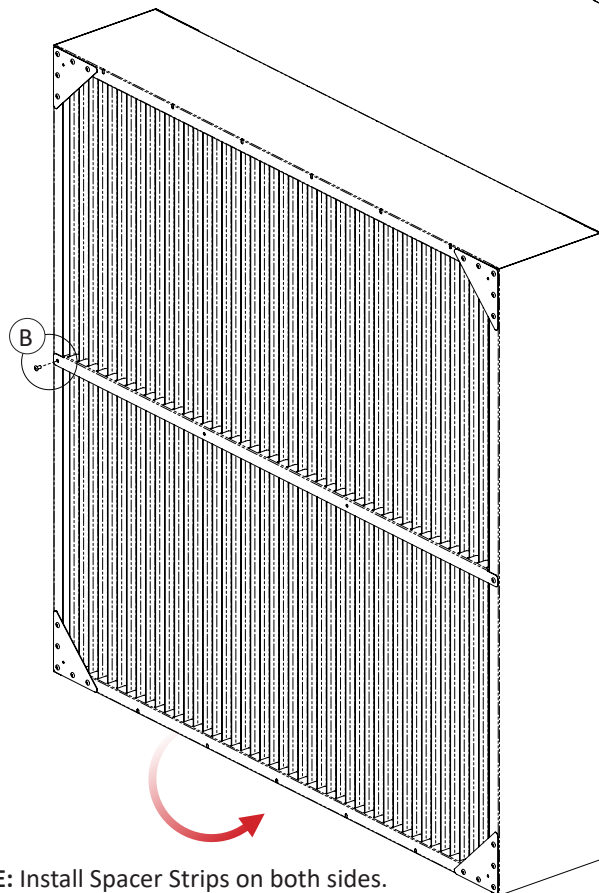


4. Fit the Spacer Strips in the middle of the Vertical Frame span. Then rivet the Spacer Strips to the frame. Do the same for the Spacer Strips on the other side. See chart below for number of Spacer Strips used based on Light Trap size.

LIGHT TRAP HEIGHT	SPACER STRIPS
36" (91cm) to 59" (150cm)	1 per side
60" (152cm) to 72" (183cm)	2 per side
84" (213cm)	3 per side



Detail B

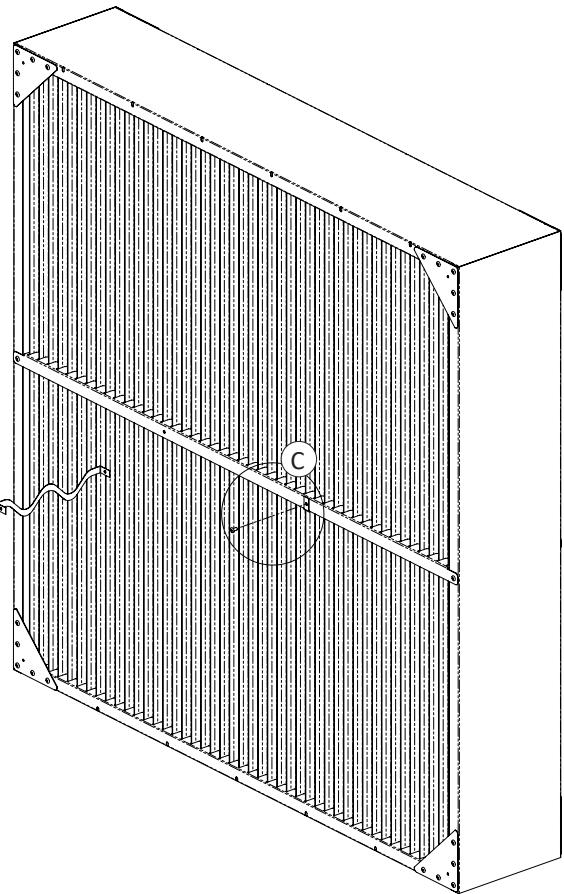
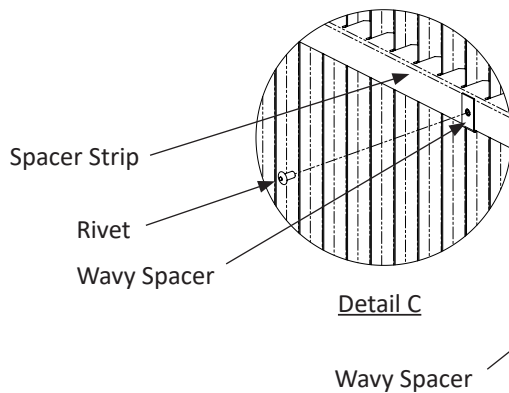


NOTE: Install Spacer Strips on both sides.

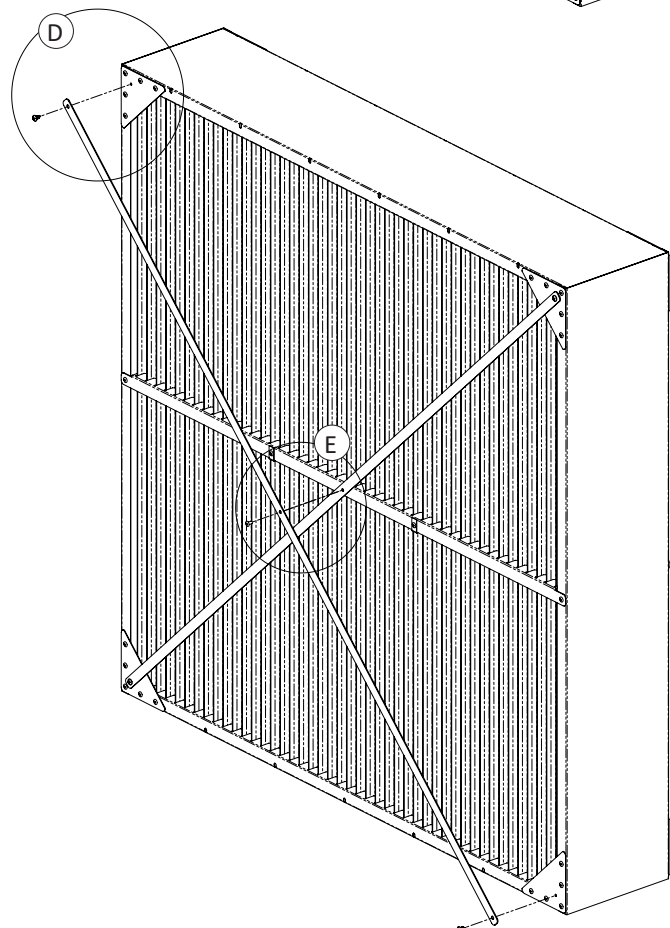
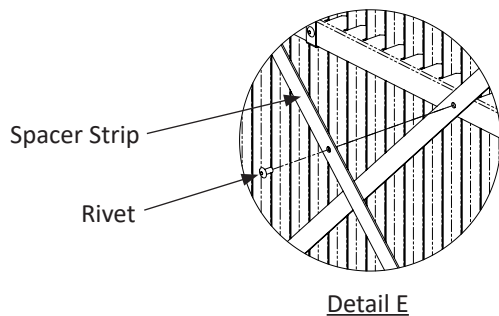
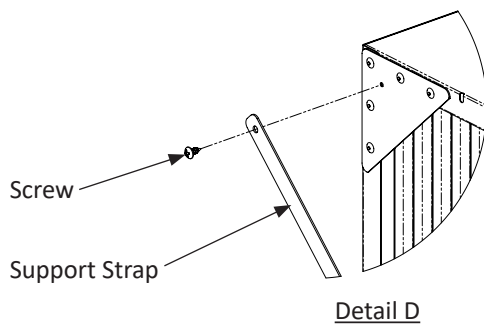


Framed Cartridge Light Trap Assembly Instructions - continued:

5. Next, weave the Wavy Spacer(s) through the center space and rivet to the Spacer Strips.

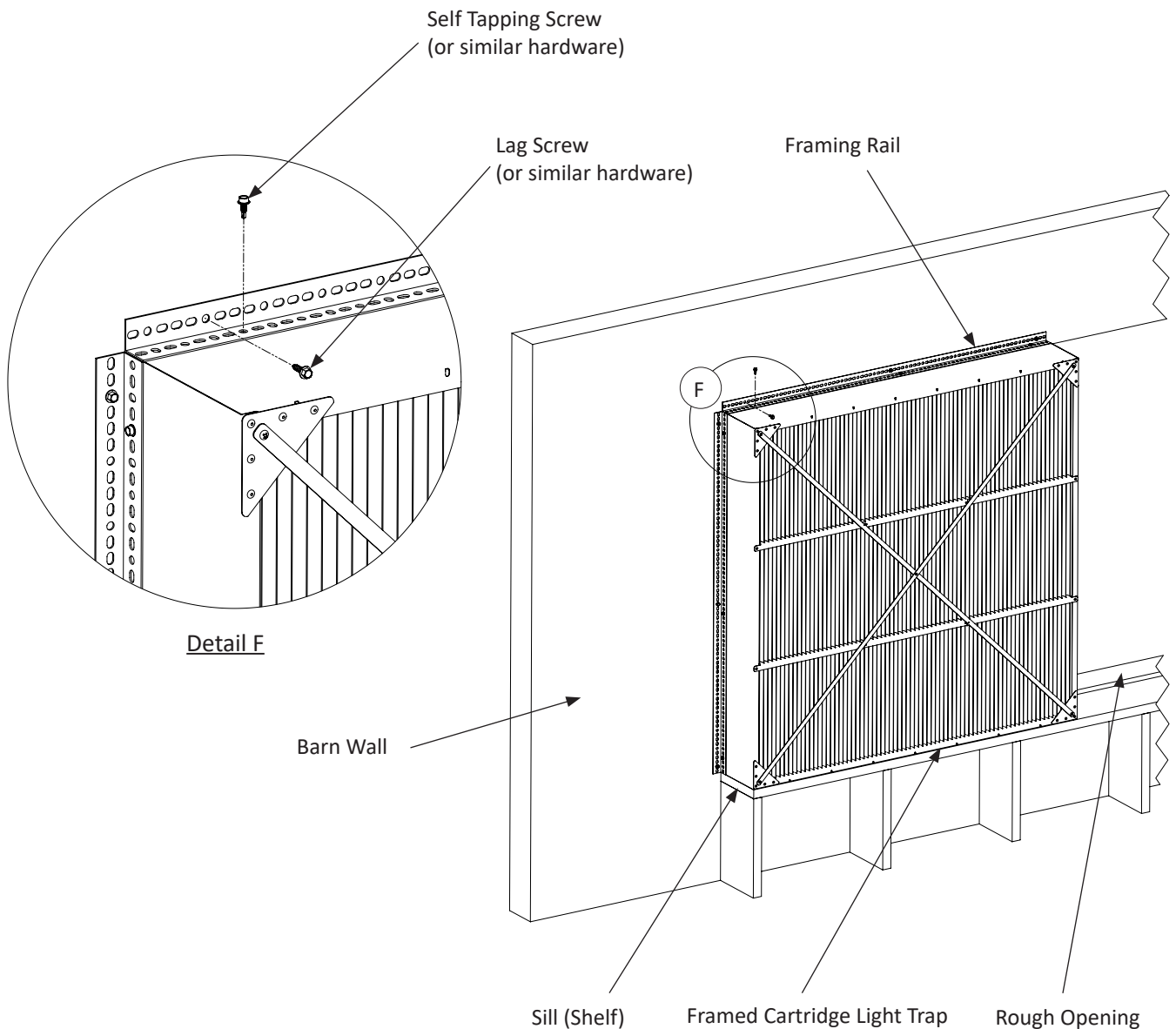


6. Install Support Straps across the diagonals using 1/2" screws. Place a rivet in the middle where the Support Straps cross, as shown in Detail E. This gives the light trap stability during transport. They are not needed once the light trap is installed and can be removed. Smaller light traps do not come with support straps. The Framed Cartridge Light Trap is now ready to be installed.



Framed Cartridge Light Trap Installation Instructions - Option 1:

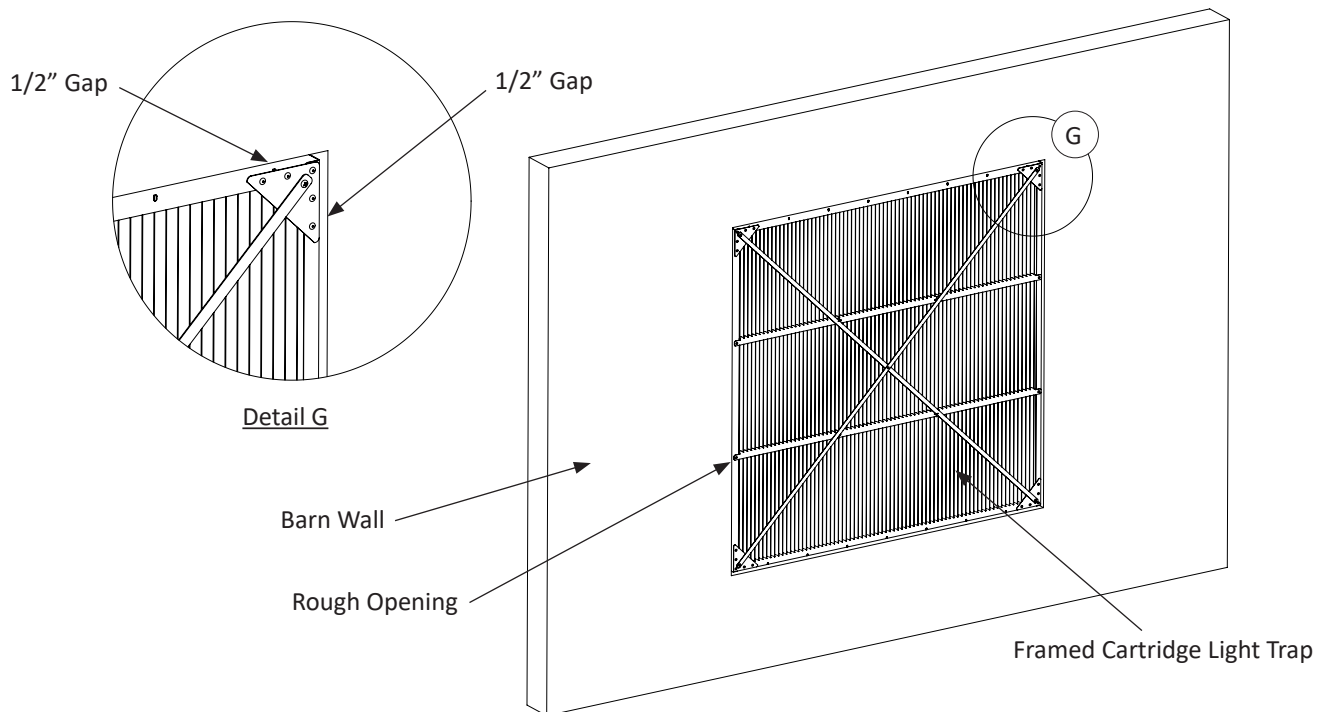
1. Construct sill (shelf) at the bottom of the rough opening. This sill should be constructed from 2x10 lumber or similar material that is strong enough to hold the weight of the light traps.
2. Place light traps on the sill so that the sides of the light traps are in contact with one another.
3. Secure light trap to the barn wall using zinc-plated steel L-shaped framing rails or wood trim and appropriate hardware. Support Straps may be removed once light trap is secured in place.
4. Ensure gaps are sealed around edges of light trap to prevent unwanted light from entering barn.



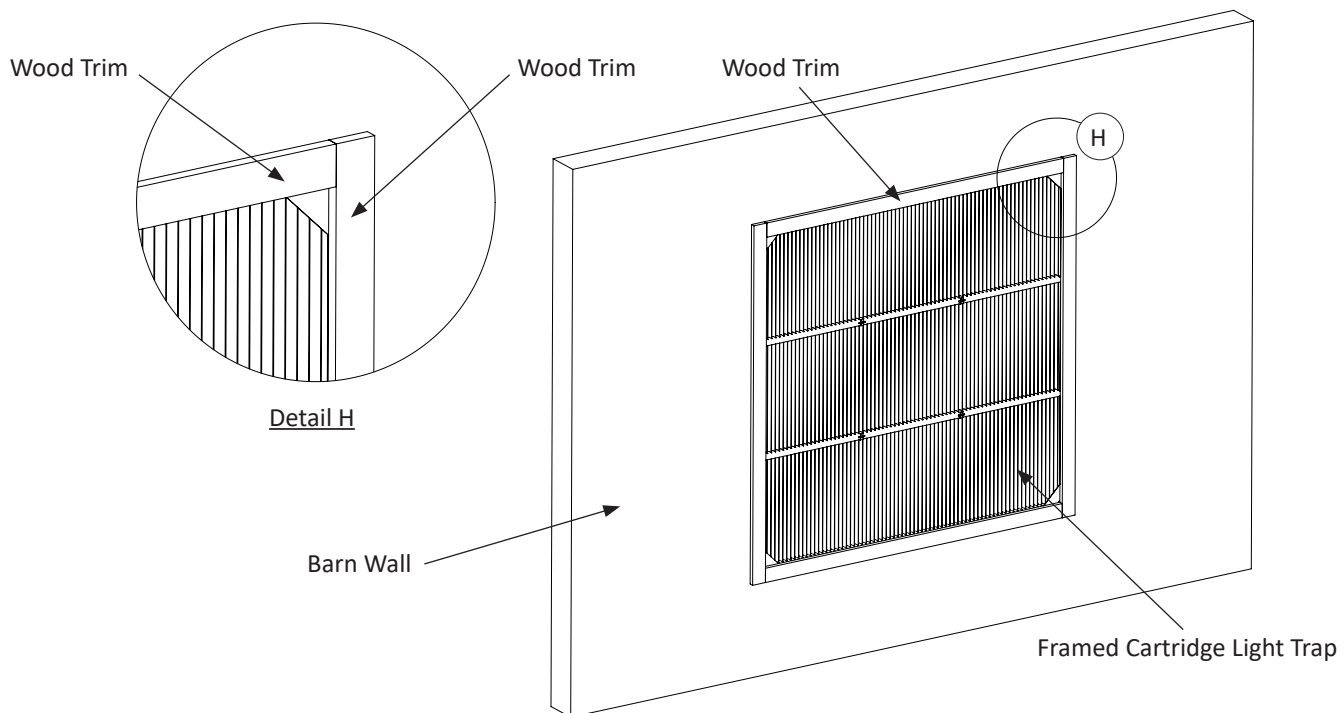
IMPORTANT: It is important to blow out the light traps on a regular basis to keep dust from building up in them which will reduce the effective airflow area and increase the static pressure.

Framed Cartridge Light Trap Installation Instructions - Option 2:

1. Cut rough opening in wall at least 1/2" (1.27cm) larger than light trap.
2. Place light trap in rough opening, mounting unit flush with interior face of wall.



3. Secure light trap to the barn wall using wood trim and appropriate hardware. Support Straps may be removed once light trap is secured in place.
4. Ensure gaps are sealed around edges of light trap to prevent unwanted light from entering barn.

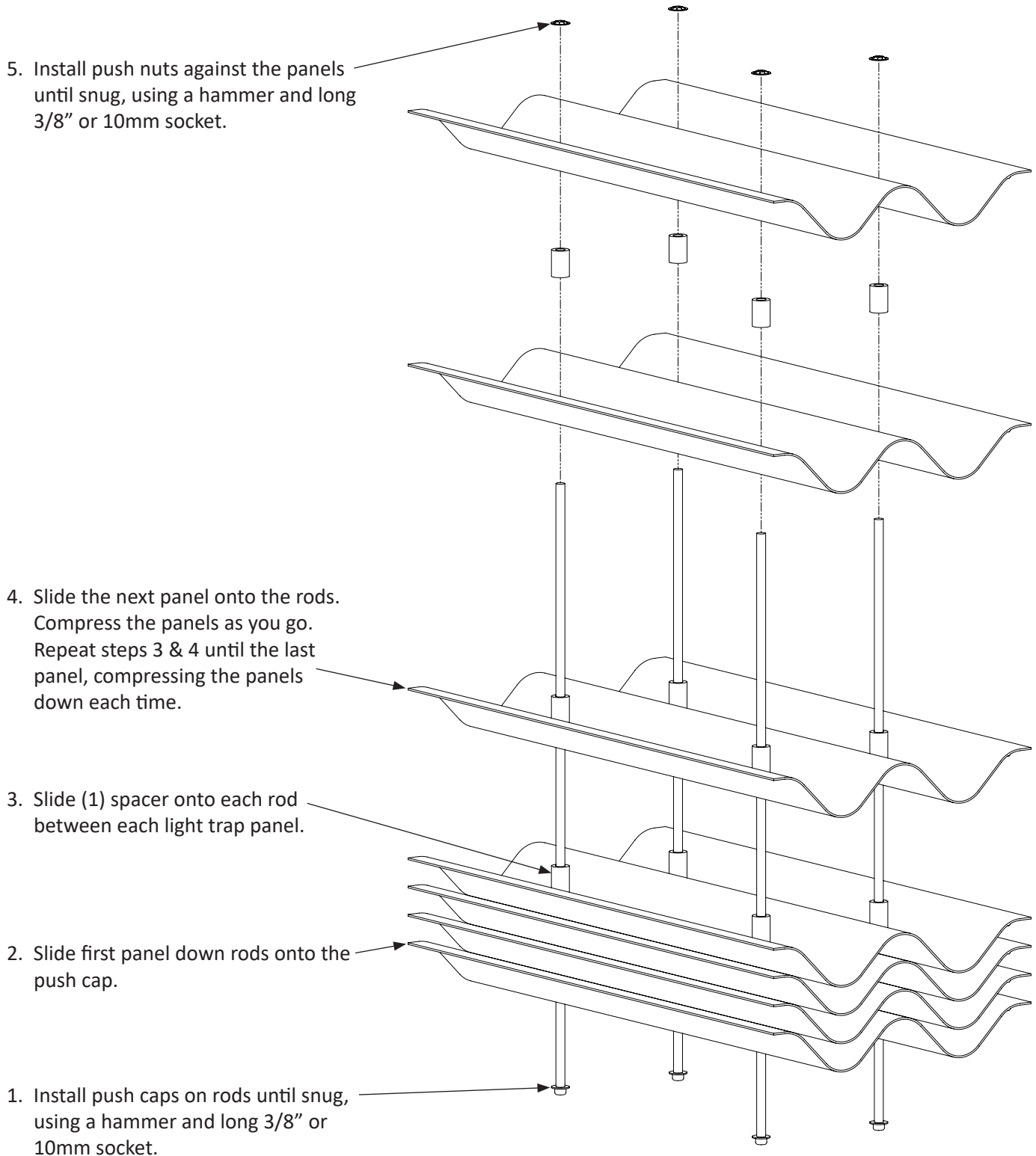


IMPORTANT: It is important to blow out the light traps on a regular basis to keep dust from building up in them which will reduce the effective airflow area and increase the static pressure.

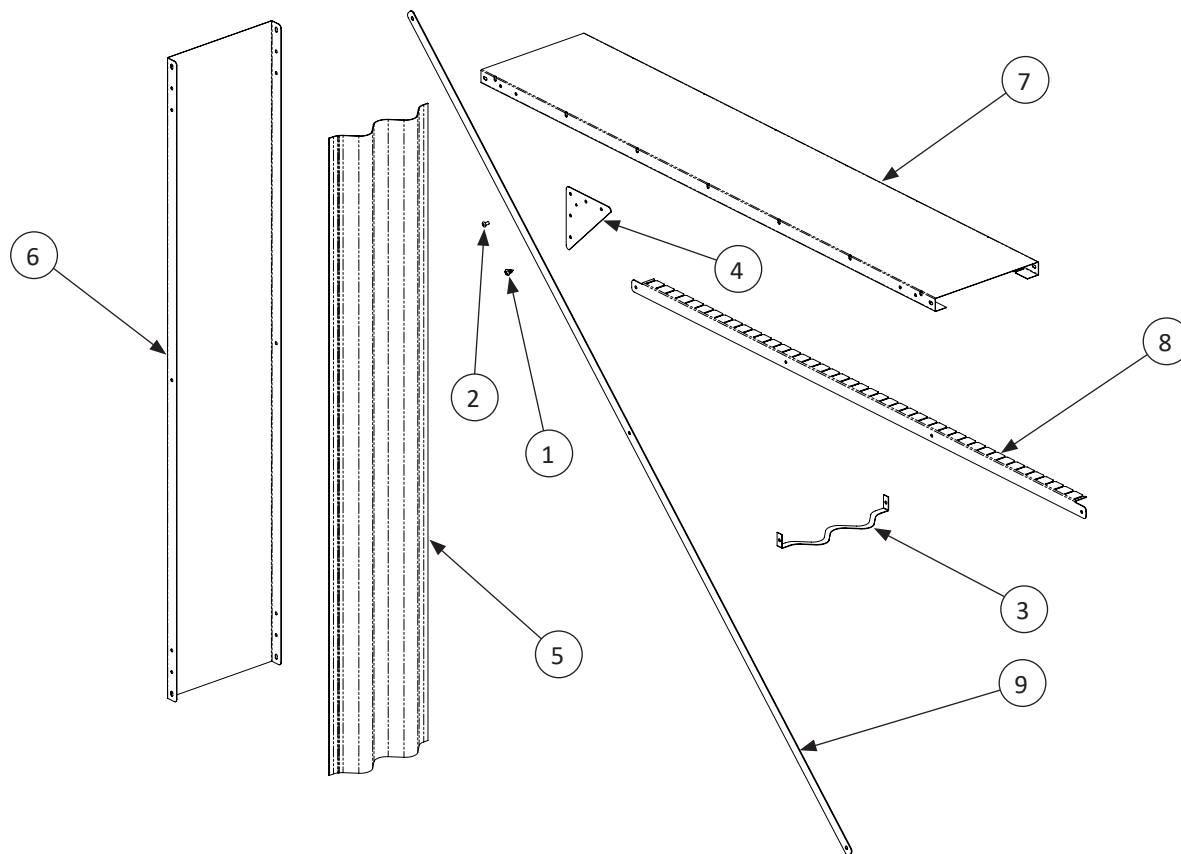
Rod Style Light Trap Assembly Instructions:

Assemble light trap as shown below. Note that the instructions on this page begin at the bottom of the page and conclude at the top, replicating the assembly order of individual components.

NOTE: Light trap must be installed with vanes in a vertical position (rotated 90 degrees from the image shown).

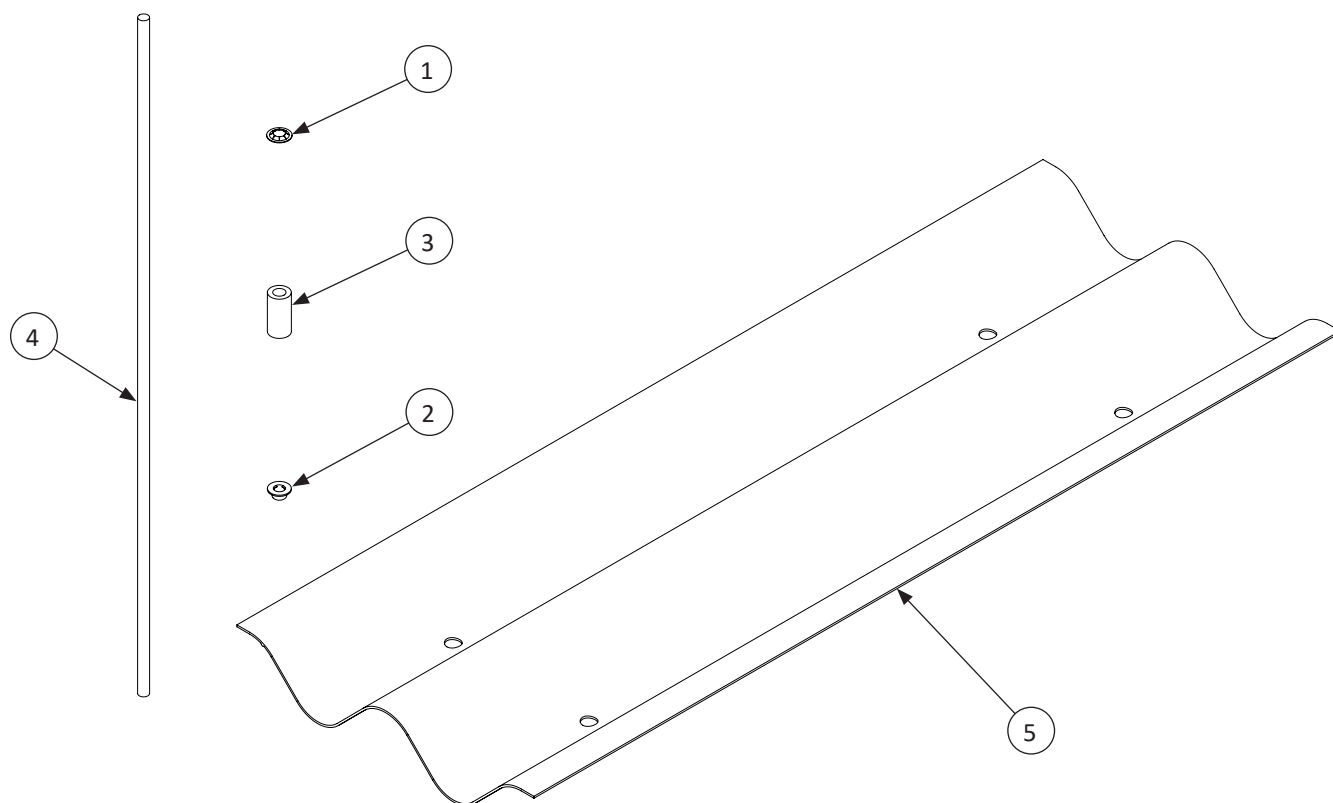


Framed Cartridge Light Trap Parts List:



KEY	DESCRIPTION	PART NUMBER								
FRAMED CARTRIDGE LIGHT TRAP PARTS LIST										
1	#12 X 1/2" Screw	690276								
2	3/16" Rivet	690312								
3	Wavy Spacer	NAF9C								
4	Corner Brace	NAFCORNER								
HEIGHT		18"	24"	36"	48"	52"	54"	60"	72"	84"
5	Black PVC Panel	NA100-18	NA100-24	NA100-36	NA100-48	NA100-52	NA100-54	NA100-60	NA100-72F	NA100-84F
6	Vertical Frame	NAF9V18	NAF9V24	NAF9V36	NAF9V48	NAF9V52	NAF9V54	NAF9V60	NAF9V72	NAF9V84
WIDTH		18"	24"	36"	48"	52"	54"	60"	72"	84"
7	Horizontal Frame, 1"	NAF9H18A	NAF9H24A	NAF9H36A	NAF9H48A	NAF9H52A	NAF9H54A	NAF9H60A	NAF9H72A	NAF9H84A
	Horizontal Frame, 3/4"	NAF9H18B	NAF9H24B	NAF9H36B	NAF9H48B	NAF9H52B	NAF9H54B	NAF9H60B	NAF9H72B	NAF9H84B
8	Spacer Strip, 3/4"	NAFS18A	NAFS24A	NAFS36A	NAFS48A	NAFS52A	NAFS54A	NAFS60A	NAFS72A	NAFS84A
	Spacer Strip, 1"	NAFS18B	NAFS24B	NAFS36B	NAFS48B	NAFS52B	NAFS54B	NAFS60B	NAFS72B	NAFS84B
HEIGHT X WIDTH		18"	24"	36"	48"	52"	54"	60"	72"	84"
9	18" Support Strap	-	-	-	-	615601	615605	615602	615307	615603
	24" Support Strap	-	-	-	-	615604	615621	615302	615376	615606
	36" Support Strap	-	-	-	615296	615607	615610	615297	615375	615589
	48" Support Strap	-	-	615296	615298	615609	615615	615306	615299	615611
	52" Support Strap	615601	615604	615607	615609	615300	615612	615613	615614	615616
	54" Support Strap	615605	615621	615610	615615	615612	615301	615617	615619	615620
	60" Support Strap	615602	615302	615297	615306	615613	615617	615304	615374	615618
	72" Support Strap	615307	615376	615375	615299	615614	615619	615374	615305	-
	84" Support Strap	615603	615606	615589	615611	615616	615620	615618	-	-

Rod Style Light Trap Parts List:



KEY	DESCRIPTION	PART NUMBER								
ROD STYLE LIGHT TRAP PARTS LIST										
1	Push on Retainer	630790								
2	1/4" Retainer Push Cap	819029								
3	3/4" Tall Spacer	NA100SPC75								
	1" Tall Spacer	NA100SPC1								
WIDTH		18"	24"	36"	48"	52"	54"	60"	72"	84"
4	1/4" Galvanized Rod	819030	819031	819032	819033	819034	819035	819036	819037	819038
HEIGHT		18"	24"	36"	48"	52"	54"	60"	72"	84"
5	Black PVC Panel	NA100-18H	NA100-24H	NA100-36H	NA100-48H	NA100-52H	NA100-54H	NA100-60H	NA100-72H	NA100-84H

Customer Service

Dealer Name: _____

Street / PO Box _____

City _____

State / Province _____

Zip / Postal _____

Phone _____

Fax _____

E-mail _____

Web site _____

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