Installation Manual for the Paddock Evacuator® Bench System

Upon receipt of your Evacuator shipment, unpack and check for shipping damage. If there is damage, immediately notify the shipper and contact Paddock Pool Equipment Company (PPEC). Confirm that all parts are with the shipment according to the Packing List. If any parts are missing or you have questions or concerns, please call (803) 324-1111.

Please read the complete installation guide before beginning actual installation.

Contractor Suggested Tools and Materials

- Measuring Tape
- Level
- Hammer Drill
- Cordless/Impact Drill
- Right-Angle Drill
- Carbide Tip Masonry Bits
- High Speed Steel (HSS) Drill Bits
- #3 Phillips Bit
- Caulk Gun
- Chalk Line
- Self-Leveling Rotary Laser Level
- Shop-Vac
- Extension Cord(s)
- Anchors for floor installation
- Anchors for angle installation (if applicable)

****Note: Any changes made to the product must be pre-approved by Paddock Pool Equipment Company, any unauthorized changes may void the warranty ***

Evacuator System Installation Scope:

1. Evacuator Bench Installation
2. Exhaust Duct Installation
3. Exhaust Fan Installation (if applicable)
4. VFD Installation (if applicable)
5. System Balance with Mechanical System
6. Owner Training with sign-off and Acceptance Upon completion of Evacuator® System.

Evacuator® Bench Installation:

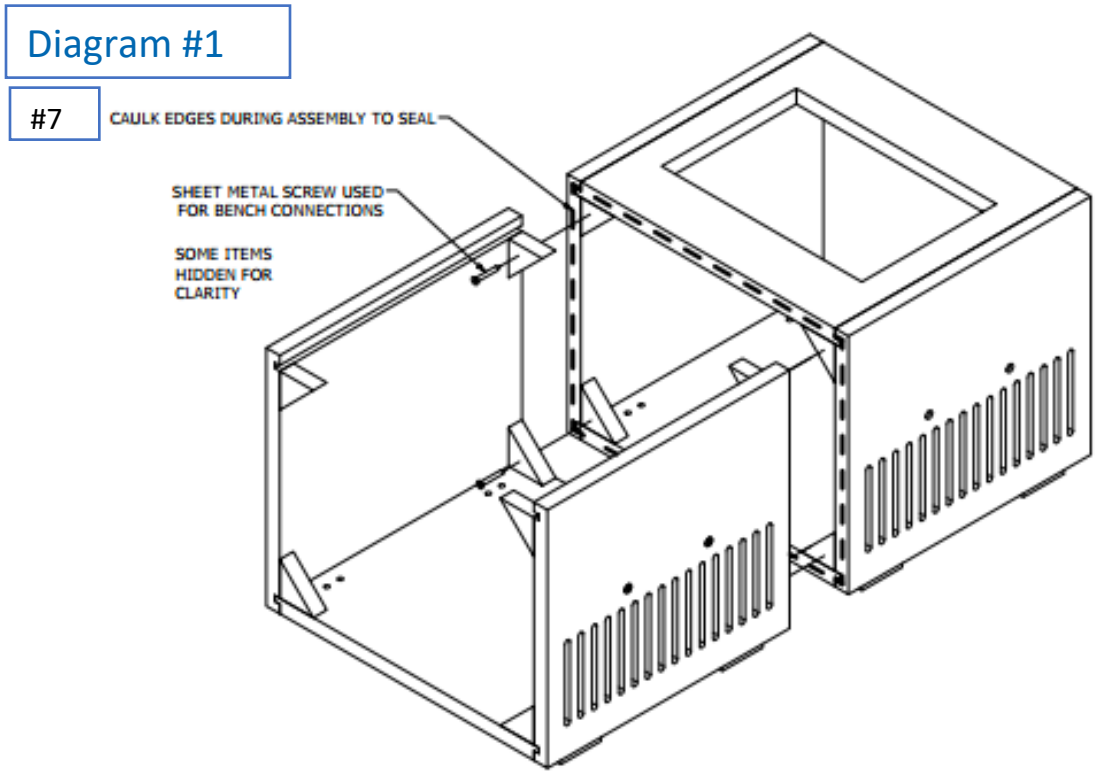
1. Evacuator® must be installed in accordance with the approved PPEC Design Drawings (provided).

CAUTION: Protect the bench(es) and HDPE Bench Top(s) from all types of damage.

2. Layout the entire Evacuator System according to PPEC Plan making sure system benches are straight, level, and square with all walls and columns, prior to any assembly. Do not secure to deck at this point.

3. Establish exhaust penetration locations (wall, roof or floor area), according to the project plans.
    a. Exhaust duct design by Mechanical Engineer and/or Mechanical Contractor.
    b. Once the duct locations for the benches are determined, then cut the openings before assembling benches together.
4. Set up laser leveling device to determine highest and lowest points of the pool deck.
5. The HDPE Bench Top(s) are not installed to the benches, for easy access to the interior of bench.
6. Using the supplied hardware, assemble the bench sections together including end plates. Apply caulk (supplied with bench system), to the area noted when joining two sections together and installing the end plate(s). See diagram #1 for location of the sections; diagram #3 on page 4 for the end plate(s).

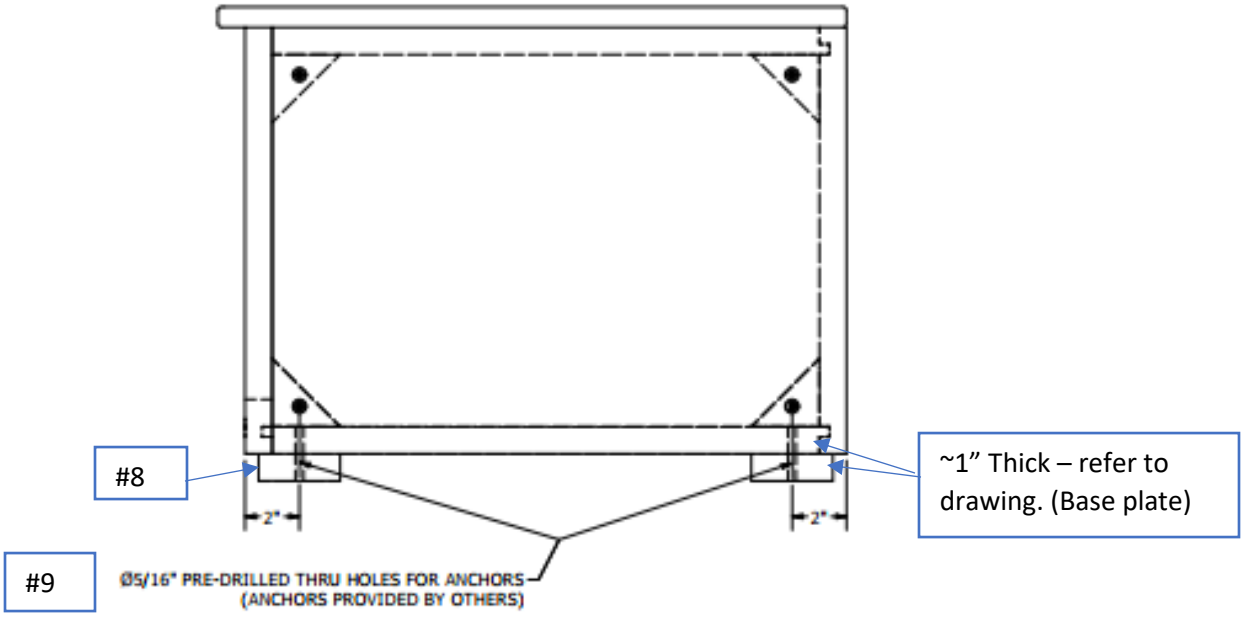
Diagram #1



7. Move the bench system into place mark location of the base plate(s) and shim(s) (with supplied shim package) as needed to make sure the bench system is level front to back and length wise.

8. Drill down through the shims and base plate(s) at anchor points and install ¼" anchors or Tapcons. Length to be determined by shims required to achieve level orientation. (Anchors not included with hardware package).

Diagram #2

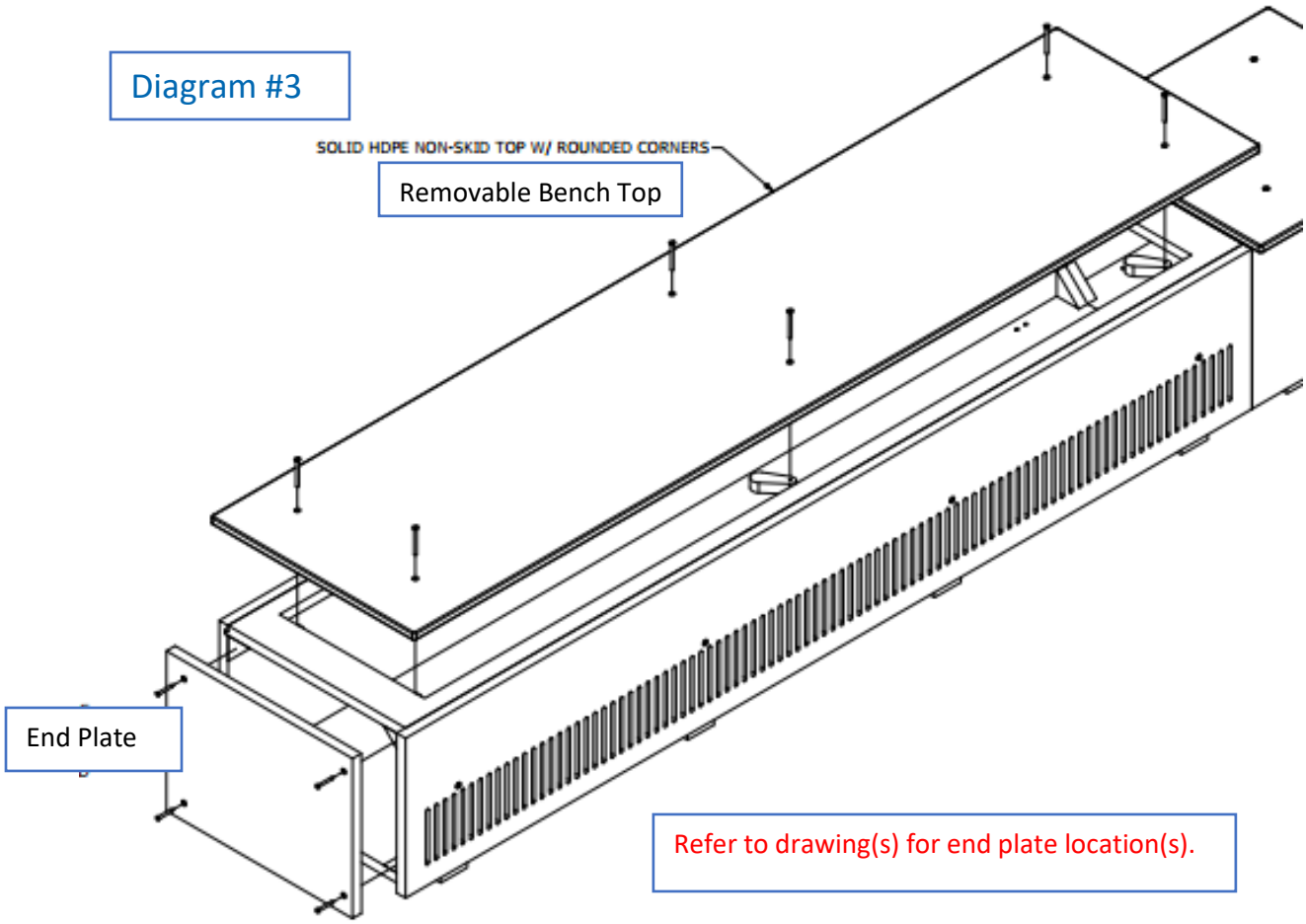


ANCHOR DETAIL

9. Then install the HDPE Bench Top(s) on each of the bench(es) using the hardware supplied. Next page for diagram #3

Note: **DO NOT CAULK THE LID**, so the HDPE bench top is removable for future inspection, maintenance, and cleaning.

Diagram #3



System Balancing

The System volume and velocity comes preset from the factory per design specs (refer to the Bench Evacuator System Parameters listed on PPEC drawing). The Evacuator ® system may need to be adjusted during the Test and Balance phase of commissioning. (HVAC Dampers and air-flow adjustment by others)

The stainless steel Damper gauge tool is to verify the slot height per factory setting, or for adjusting and fine tuning the damper (as needed). See Diagram #4 on page 5.

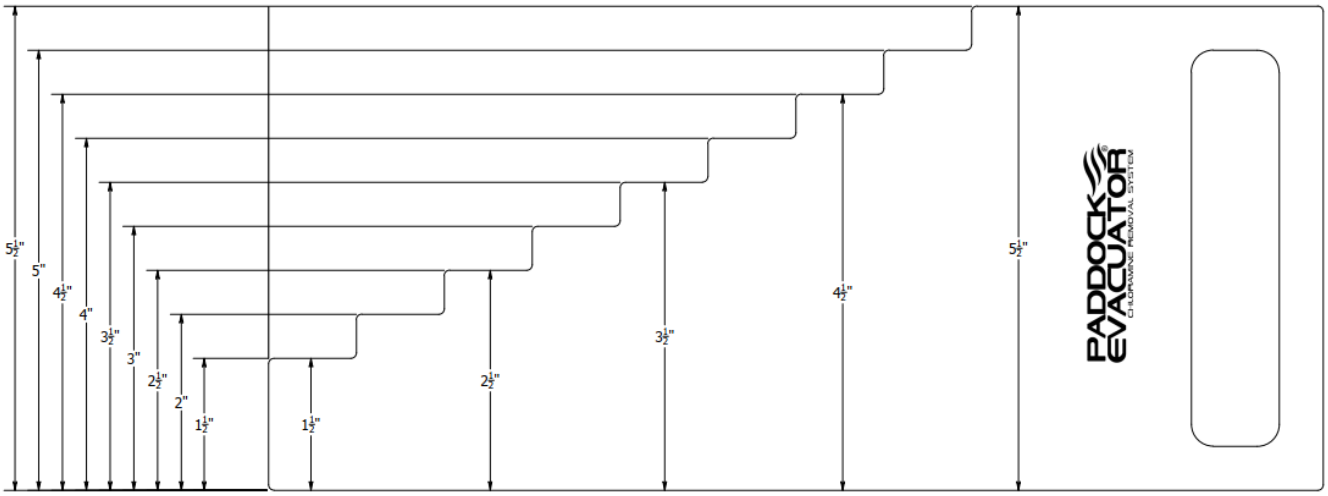
How to set/use Damper Gauge.

1. The Bench top will need to be removed before adjustments can be made. Refer to PPEC drawing for CFMs and slot height.

2. When making the adjustments, there are screws on the front of each bench that will need to be loosened (DO NOT REMOVE COMPLETELY). This allows the damper on the inside of the bench to be adjusted accordingly. See Diagram #4A.

Diagram #4

Stainless Steel Damper Gauge



Damper Gauge – (inches)

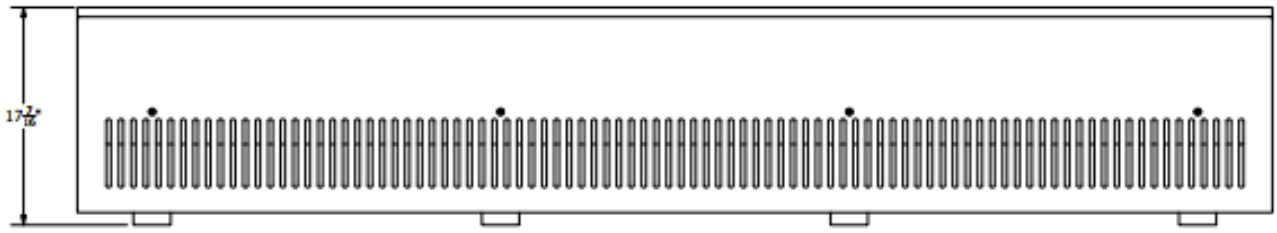


Diagram #4A
Bench Front

TYP EVACUATOR BENCH

Do not block Front of bench – during testing of the system.
The obstructions will reduce the air flow and interfere with the setting of CFMs.

(HVAC DAMPERS AND AIR-FLOW ADJUSTMENT BY OTHERS)

PVC EVACUATOR BENCH SYSTEM

Cleaning & Maintenance

- Rinse with fresh water and hand dry weekly to maintain a clean, spot-free surface.
- Use a non-abrasive mild detergent and cloth as necessary for cleaning.

GRATING/SHEETING High Density Polyethylene (HDPE)

Care & Maintenance

- Paddock's HDPE grating/sheeting is marine-grade polymer sheeting which is resistant to most chemicals and requires little maintenance to keep it looking new.
- Keep harsh solvents, acids, wood stains and wood preservatives away from Paddock HDPE finish. They may cause permanent staining and damage.
- Staining from rust is difficult to remove so keep uncoated non stainless metals away from HDPE material.
- Shoes with marking soles can leave scuff marks that can be difficult to remove.

Cleaning

- For daily cleaning of everyday dirt and stains, use a non-abrasive cleaner such as "Zud" or "Soft Scrub" and a nylon brush to scrub lightly. Excessively hard scrubbing can mar the finish.
- Hard to remove stains will usually go away if you soak the area with bleach (like Clorox). When using this method, you must remove the grating from the stainless steel so it will not cause corrosion. **Do not** use 100% granular or tablet (for pool) chlorine as a bleach alternate.
- Pressure washing can mar the finish.
- Petroleum based stains can be difficult to remove, soak the area with WD-40®. Then use acetone or toluene with a white nylon scrub pad (color-based pads can transfer dye color to finish when combined with acetone).
- **Do not** use MEK, turpentine or naphtha solvent.
- **Do not** use polishes such as Armor-All ® to non-skid areas, this will reduce the slip coefficient and cause a fall/slip hazard.