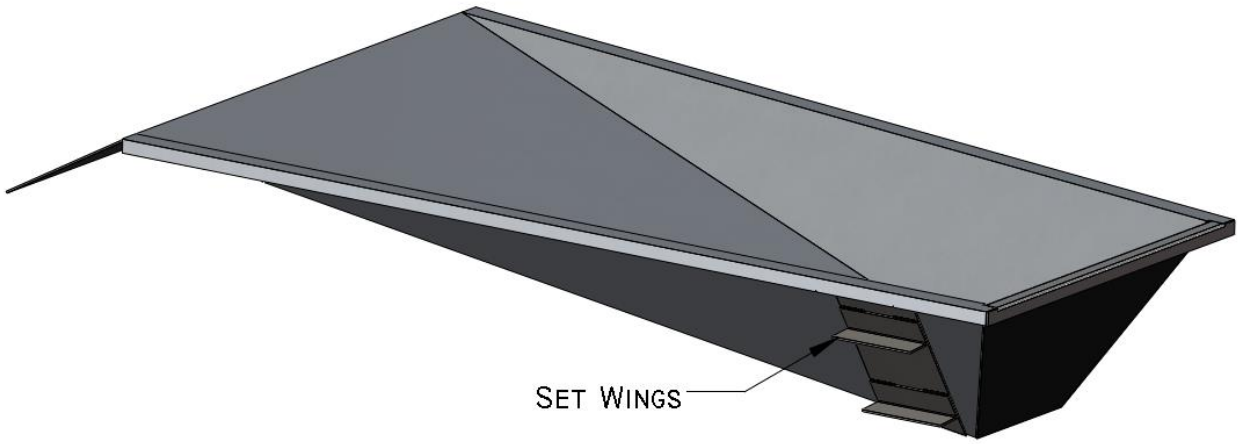
Pole Vault Boxes, Pole Vault Boxes w/ Covers Installation Notes

ALL PVB Systems



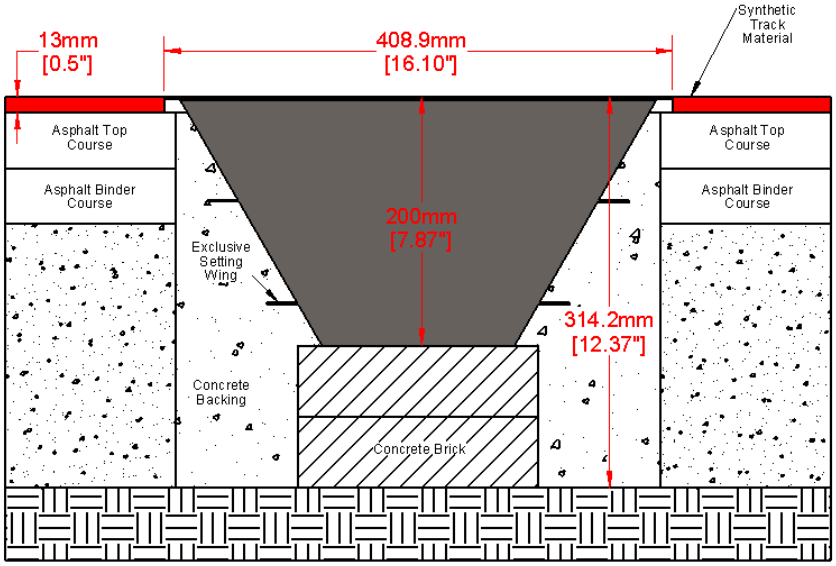
Tools/Equipment Required:

1. **Gasoline Cut-off Saw or Equivalent with Diamond-Asphalt Blade**
2. **Measuring Devices; 6 ft. Folding Rule, Retractable Tape Measure.**
3. **Marking Crayon and Chalk Line**
4. **(2) Bags of Mortar Mix, Cement, Mixing Tools, Hand Trowel and Water**
5. **3 to 4 Bricks or Similar Product of Size and Weight**

Installation:

1. Layout the location of each board to be set at its proper distance from the pole vault pit.
    a. The tray frame will be somewhat larger, but all measurements must be based upon the front edge. The angle braces on the side of the vault box are anchors only.
    b. Establish vault box location and mark offsets accordingly.
2. With the tray in its proper position mark the asphalt runway (or concrete or other material) using a marking crayon or similar device, approximately 2" larger than the vault box in all directions to allow for anchoring the unit in place. Consult your local building codes for possible variances from this minimum amount.
3. Once the surface is marked, remove the vault box and set it to the side. Touch-up the locating lines by use of a straight edge or chalk line and prepare to cut the surface.
4. Cut through the runway material along each line and remove the surface in its entirety or at least to a minimum of the thickness of the vault box, plus 2". Again, consult local building codes for any further requirements.
    a. Clean out the hole created and establish a level base +/- 2" below the unit. Use additional gravel or crushed stone may be used to establish the correct distance
    b. Should drainage weeps or sumps be desired, they should be provided at the time of install and the final base re-established.
5. With the base complete, mix enough mortar mix to fill the void between the stone base and the anchor angles located on the side of the vault box, plus 1/2 inch. The top lip of the vault box, when located correctly must be level with the rubber track surface.

Therefore, the bottom edge of the vault box top lip should be set flush with the existing asphalt (concrete, etc.) runway providing there is to be a ½" (13mm) synthetic track surface. This will ensure that the top lip of the vault box is flush with the synthetic track surface when the final surfacing is complete.



Ensure that after placing the vault box in the mortar that the upper lip of the vault box is level all around. This may require some temporary bracing at the rear end of the box to ensure it stays in position prior to the mortar setting up (approximately ½ to 1 hour).

6. Because the vault box has a sloped bottom and is recessed below the surface, it will try to float in the wet cement or mortar mix.
    a. By keeping the cement mixture at the level described in Step 5 enough support will be provided, while minimizing the potential lifting action/floating of the vault box.
    b. Sink the box until the support angles are covered in the mortar or cement mixture. Ensure that there are no voids under the box and that the foundation is solid, while maintaining the required height.
    c. Because the void in the runway was cut oversized (to provide for a cement encasement on all sides) one must position the vault box in its proper location using the required offsets. Double check that the vault box height is maintained as well as the proper alignment. Add/subtract cement/mortar

mix or brick weight to attain required height.

7. With the box in its proper position (both height and alignment) you will recall the angle anchors mentioned earlier (located at the base of the vault box).
    a. At this time they should be embedded in the wet cement/mortar mix, if not add enough additional mix to cover the angles. Once complete let the material set hard.
    b. The angle braces help to anchor the vault box in the cement foundation once complete, however at this time only help to maintain alignment.
8. After the mixture has set (approximately ½ to 1 hour) the entire vault box is ready for backfill.
    a. Mix up additional cement/mortar mix as required to totally encase the exterior of the vault box and to fill in the void of the runway cutout.
    b. Fill the void flush with runway surface and to the top of the vault box, trowel smooth with the surrounding surface.
9. Once the cement mixture has fully hardened remove and ballast from the tray and cleanup the tray and surrounding areas.

REPLACEMENT PARTS

Contact Sportsfield Specialties Customer Service at 1-888-975-3343 for replacement hardware.

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