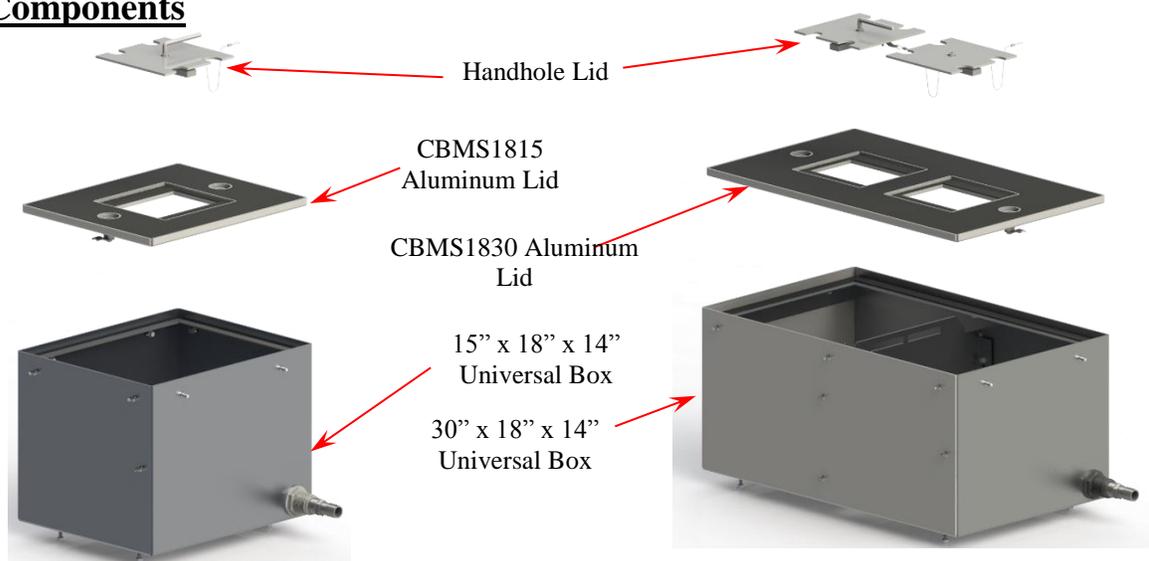




Combox® Installation Instructions for Concrete/Asphalt Applications

For Model # CBMS1830 Combox® and
Model # CBMS1815 Combox®

Components



CBMS1815 Combox® components

CBMS1830 Combox® components

Placement

1. Remove Handhole Lid and Aluminum Lid from box assembly and set aside in a secure location.
2. Establish the location of the Combox® per plans and/or specifications. Excavate a pit approximately 15'' deep for the box. Excavate drainage connections adjacent to the pit if drainage connections to the box are required.

- Set the elevation of (4) concrete bricks 15" from the top side of the (4) bricks to the finished grade taking into consideration the side to side location of the adjuster bolts located on the bottom side of the box (See [Diagram 1](#)).

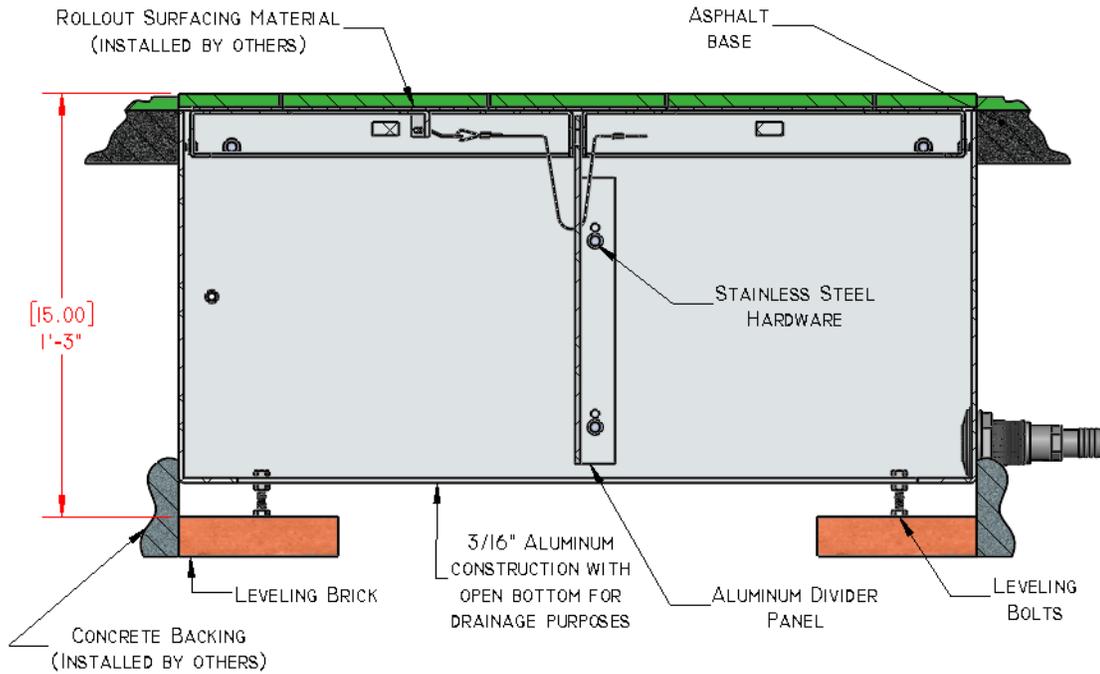


Diagram 1
Combox® elevation detail.

- Secure the brick's finalized location(s) with patties of stiff mortar (or equivalent).
- Prior to setting the box into its location, determine if drainage is required. If drainage is required, the following step must be completed prior to setting the box. Locate the PVC bulkhead fitting threaded into the side of the box. During shipping, the nipple on the bulkhead fitting is oriented in "Shipping Mode" to prevent damage (See [Diagram 2](#)). Unthread the bulkhead fitting, reverse orientation, and secure the fitting back into position with the nipple oriented to the outside of the box. Remove the red vinyl plug and discard. Disregard this entire step if drainage is **NOT** required.

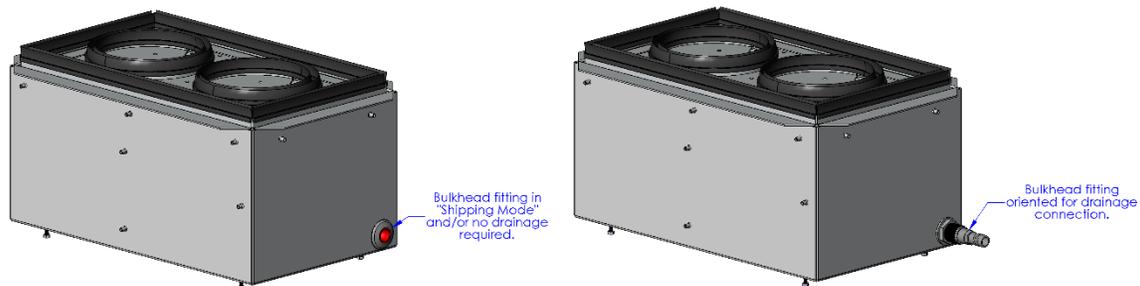


Diagram 2
Bulkhead fitting detail.

6. Orient box with the mating drainage connection and place the box onto the concrete bricks. Adjust elevation and levelness using adjuster bolts located on the bottom side of the box. The correct elevation is determined by the top edge of the box to be flush with finished grade. Secure bolts to hold final adjustments. Connect drainage.
7. Place mortar around the outside and inside corners of the box for stability. Be sure to cover the adjuster bolt hardware with mortar to insure the permanent position of the box. The entire box does not need to be encased in concrete however it is recommended that a small amount of concrete be placed around the lower perimeter portion of the box to help maintain strength, placement and rigidity. Please consult your plans/specifications for final details.
8. Backfill and tamp.

Important Contractors Note

1. The CBMS1830 and CBMS1815 Combox[®] are not watertight therefore drainage provisions have been provided. It is also necessary for UL approved electrical and communication junction boxes to be used for watertight connections.

Conduit and Wiring

1. Wire conduits are brought up through the open bottom of the Combox[®]. Receptacle boxes can be attached directly to the inside surfaces of the aluminum enclosure using self-drilling/tapping screws. Construction materials to finish off the interior of the Combox[®] may include pea gravel or a concrete floor. In either case, slope the grade towards the positive drainage area. Ensure that there are no obstructions in and around the drain area.

User Instructions

1. **To lock/unlock Handhole Lids**
 - a. Using the hex key provided, insert hex key into hex cap screw and turn counter clockwise to disengage the locking mechanism. Gently lift the lid by grasping the rectangular lid.
 - b. To lock the rectangular lid, procedure is reversed.
2. **To lock/unlock the CBMS1830 Aluminum main lid.**

- a. The CBMS1830 Aluminum main lid can be locked (CBMS1830 Combox[®] only) with an end user supplied pad lock. An approved specified pad lock is as follows: An outdoor grade, 5/16" diameter shackle, minimum 13/16" inside width and with a minimum shackle length of 2 1/2" long. Any other width/length shackle is not approved and/or may not operate correctly in conjunction with the specially manufactured cutouts that are specifically designed for the above pad lock specifications.
- b. Begin the Aluminum main lid removal process by unlocking and removing the Handhole lids. This procedure is specified in Step 1.
- c. Visually confirm the location of the pad lock by looking through the circular openings and unlock the pad lock. Carefully swing pad lock body 180 degrees to the shackle. Push pad lock away from you until the body intersects with the aluminum divider panel. Next, rotate pad lock until parallel with divider panel. Push pad lock away from you until the open end of the shackle clears the cutout opening. Remove pad lock. Note: this procedure may require repeated attempts until the lock clears the cutouts.
- d. Set pad lock in a secure area. Grasp the CBMS1830 Aluminum main lid along the inside edge of the rectangular edge openings. Gently pull up until the main lid clears any obstructions and set aside.
- e. Reverse procedure to set and lock the CBMS1830 Aluminum main lid.

3. **To wire through**

- a. Remove the Handhole lid as specified in step a. of **"To lock/unlock Handhole lids"**
- b. Connect any/all services inside the Combox[®] allowing extra service wire coiled inside the enclosure. Note: Certain conditions may require the CBBM1830 Aluminum main lid to be removed prior to connecting services. See **"To lock/unlock the CBMS1830 Aluminum main lid"** if required.
- c. Thread service line through the (1) of (4) cutouts provided on the Handhole lids.
- d. Rotate lid 90 degrees and gently place the Handhole Lid(s) back into position while persuading the service line into the correct cutout area.
- e. Reverse procedure to remove service line(s).

REPLACEMENT PARTS

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



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