AIPHONE®

# Modular Tower

Modular Tower Assembly Instructions

Ensure all of the components required to complete the installation are present prior to beginning.

**TW-MKL: L-Bracket Mounting Kit contents:**

4 - L-Bolts
8 - ¾" Hex Nuts
8 - ¾" Washers
1 - Printed Template

- It is recommended to transfer the provided template to a piece of wood between ½" and 1" thick.
- Use that wood template to replicate the tower base and secure it to the L-bolts with the provided washers and nuts.

**Modular Section Contents:**

Base section with access panel and 2 screws to secure panel.

Middle section with 4 bolts for securing middle section to base section.

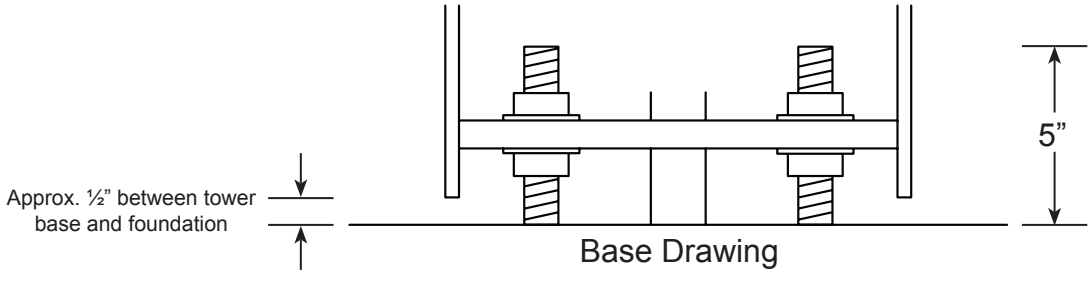
Upper section with 4 bolts for securing upper section to middle section or base section.

**Installation:**

1. Intercom and electrical wire conduits should be run through the foundation and into the center 4" diameter hole of the tower. These cable runs must be run separately, not in the same conduit. *Note: It is the responsibility of the installer to ensure that all applicable electrical codes are met.*

2. Pour the foundation at least 2 feet in diameter and 3 feet deep and in accordance with local building codes and frost line.

3. Install the four ¾" x 24" long anchor bolts below the grade with five inches projecting above the grade (see base drawing below). Use the template to properly position the bolts within the concrete foundation.



Base Drawing

**Installation con't:**

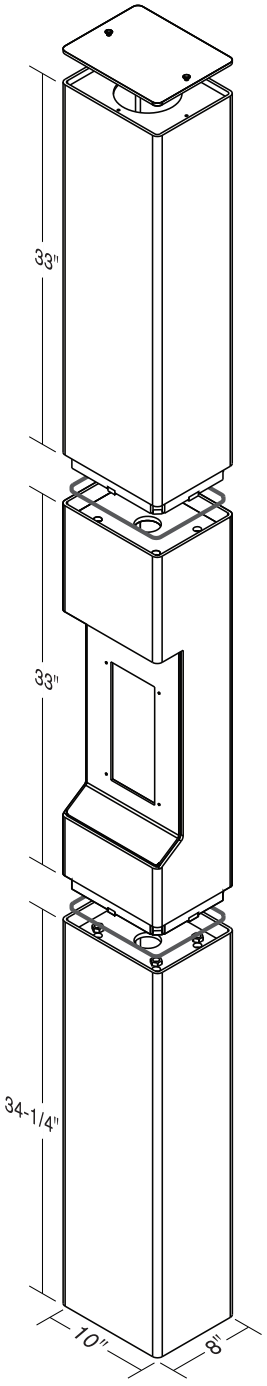
4. Once the foundation is set, remove the template. Install one ¾" nut and one washer on each anchor bolt 2 - 2.5" above grade to the top of the washer. This will allow for a ½" air gap between the foundation and tower base to allow airflow and prevent moisture problems. Verify that the nuts are level.

5. After removing the access panel from the tower base, carefully install the base onto the bolts ensuring that the unit is oriented in the desired direction (access panel is on the back). The tower base will rest on the leveling bolts/washers. Ensure that the tower base is level at this point. Install the second set of nuts and washers on the bolts and carefully tighten them, securing the tower base to the foundation. Adjust as necessary.

6. If installing a beacon/strobe, feed the wires for the light through the hole on the top of the upper modular section of the tower. Secure the top plate to the upper modular section of the tower using the provided screws. *The beacon/strobe will require a dedicated 24V DC power supply. The same power supply can be used to power the LED illuminator in the middle tower section.*

7. Place the upper section of the tower onto the middle section of the tower, ensuring that the light wires (if present) feed down into the middle section. Carefully align and secure the sections together using the provided bolts. Use caution to prevent damage to the mating gasket. Use the door station opening in the middle section to access the bolt holes and secure from the middle section up into the upper section.

8. Place the middle and upper sections together onto the base section of the tower and carefully align them, using caution to avoid damage to the mating gasket. ***(It is recommended to have two people to lift these two sections into place).*** Feed the wires for the light (if present) down into the base section of the tower. Use the provided bolts to secure the middle section to the base section. Use the access panel opening in the base section to access the bolt holes, securing from the bottom up.




**Specifications:**

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| Material: | 0.25" steel powder coated exterior |
| Dimensions: | Base: 8" D x 10" W x 34.25" H |
| | Middle and Upper: 33" H |