



### 1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a vandal-resistant communications device that is a multi-functional, freestanding pedestal constructed of carbon steel, model CB 1-s from Code Blue Corporation, no substitutions. It shall include a high quality, hands-free communications device illuminated by a high intensity faceplate light, a powerful combination blue beacon/strobe light and an area light that serve to easily identify it from a distance.

### 2.0 CONSTRUCTION

- 2.1 The unit shall be a cylinder constructed of ASTM A500 seamless carbon steel structural tube, schedule 20, 12.75" outside diameter x 0.25" thick wall, at a height of 108" and weigh approximately 330 lbs.
- 2.2 The unit shall have an internal anchor base plate that is MIG welded 2" above the base and fabricated with a minimum of 0.50" thick A-36 grade steel plate. It shall have a 5" diameter center hole for electrical conduit access. The base plate shall have four oblong holes on an 8" circular bolt pattern for attachment.
- 2.3 Two access doors measuring 15.88" H x 9.64" W will be placed 10.50" and 66.13" from the bottom of the base to provide access for mounting to the anchor bolts and connectivity to electrical facilities. The opening shall have a cover plate, which mounts flush and is the same steel and radius as the unit. The cover plate shall fit into the opening and have a weather-resistant gasket. The cover plate shall be held in place by two ¼-20 x 1" countersunk proprietary fasteners.
- 2.4 Tamper resistant proprietary fasteners manufactured for Code Blue Corporation shall be used. It shall not be possible to acquire the custom-designed bit from any other source.
- 2.5 Two area light openings 10" high and 17" wide with 153 degrees of arc each shall be cut opposite each other, with the bottom of the openings approximately 14" from the top.
  - 2.5.1 A heavy cylindrical lens made of clear UV-rated polycarbonate shall be mechanically and chemically fastened to the interior. The lens shall be fully sealed and treated to prevent damage from ultra-violet radiation, aging, cracking, yellowing or breaking.
- 2.6 A recessed opening shall be cut at a point beginning 36.6" above the bottom of the unit. The opening shall be 15.1" tall at the forward edge and 12.8" tall at the rear edge, creating a 25-degree angle from the horizontal and an arc of 160 degrees in the face.
  - 2.6.1 The opening shall be enclosed by a 7 gauge steel plate with a single opening for a communication device.



### 3.0 MOUNTING

- 3.1 The unit shall be mounted onto four anchor bolts that are set 0.50" above the concrete. Standard 0.75" x 24" galvanized steel anchor bolts, nuts and washers shall be supplied.
- 3.2 The concrete foundation shall measure 24" x 24" minimum and the anchor bolts shall protrude 6" from the foundation.
- 3.3 Unit shall include a weather-resistant, vented rubberized gasket mounted into the base to prevent entry of sediment and pests.

### 4.0 ELECTRICAL

- 4.1 All electrical components shall have a modular plug for easy service and replacement, and will be equipped with a fuse for protection from transient voltage conditions.
- 4.2 Requires 2.5 ampere at 24V AC.
- 4.3 Voltage options shall include: 12-24V AC/DC; 120, 240 and 277V AC.
- 4.4 The unit shall have the option for Power over Ethernet for connectivity to a VoIP network switch with 802.3af or 802.3at (minimum) capabilities. Requires the LS1000 or IP5000 phone for connectivity to ToolVox or SIP/IAX2 compatible VoIP system.

### 5.0 LIGHTS

- 5.1 LED Beacon/Strobe: Located in the dome top assembly with a rating of no less than 270 Lumens/92 candela, it shall have a factory-set flash rate of up to 375 flashes per minute and be programmable. A deep blue UV-rated polycarbonate prismatic refractor shall surround the LED Beacon/Strobe and be used to distribute the light in a horizontal pattern for maximum brightness and visibility.
  - 5.1.1 The communication device shall be factory programmed to activate the LED Beacon/Strobe for the duration of a call.
  - 5.1.2 The LED Beacon/Strobe shall be 5.10" tall and 5.50" in diameter.
- 5.2 Area Light: The LED Area Light shall be protected within the two light openings by a .13" thick UV-rated polycarbonate lens and be used to distribute light in a horizontal and vertical pattern.
  - 5.2.1 A reflector disk shall be mounted above to direct light outward and downward.
  - 5.2.2 It shall measure 17" W x 10" H, with the opening 14" from the top and an arc of 153 degrees.
  - 5.2.3 It shall have a Lumen rating of 852.



## Architectural & Engineering Specifications

- 5.3 Faceplate light: LED will direct light onto the communications device and be vandal resistant.
  - 5.3.1 The opening shall measure 4.50" W x .50" H.
  - 5.3.2 The light shall have a lifetime of 100,000 hours and a rating of 100 Lumens.

## 6.0 COMMUNICATIONS

- 6.1 The unit shall have a speakerphone communication device.
  - 6.1.1 LS1000/LS2000 – VoIP: Refer to the **LS1000 and LS2000 Architect and Engineering Specification** for further information.
  - 6.1.2 IP5000 - VoIP: Refer to the **IP5000 Architect and Engineering Specification** for further information.
  - 6.1.3 IA4100 - Analog: Refer to the **IA4100 Architect and Engineering Specification** for further information.
- 6.2 The unit shall be capable of communicating via third party IP wireless and cellular devices, which can be housed within the unit.
- 6.3 EIA/TIA, ANSI, CSA and BICSI cabling or similar standards shall be adhered to for proper operation of devices connected to copper or fiber infrastructure.

## 7.0 FINISH

- 7.1 Four-coat paint process, with zinc-rich primer for corrosion resistance and baked-on polyurethane enamel for maximum gloss and shine.
  - 7.1.1 Optional clear coating process available to provide additional environmental protection.
- 7.2 Substrate preparation shall be as required to comply with applicable ASTM impact and adhesion standards: D2794 Direct and Reverse Impact, D523 Gloss @ 60 Degrees, D3359B Cross hatch Adhesion, D1654 Corrosion Creep, D714 Scribe Blisters and D714 Field Blisters.
- 7.3 The finish shall be available in 7 standard colors: Safety Blue, Safety Red, Safety Yellow, Gloss White, Gloss Black, Dark Bronze and Bright Silver. Custom colors shall be available.
- 7.4 Minimum coverage thickness of 2.0 mils.

## 8.0 COMPLIANCE

- 8.1 Americans with Disabilities Act (ADA) compliant
- 8.2 UL 60950-1 and UL 2017 listed
- 8.3 NFPA 72 Chapter 24 (2010) compliant

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8.4 Meets NEMA 3S requirements

## 9.0 GRAPHICS

- 9.1 Engineering grade reflective vinyl for high visibility and legibility.
- 9.2 Standard 3.25" tall and 30" long graphics text offerings: Emergency or Assistance.
- 9.3 Standard graphics color offerings: Reflective White, Reflective Blue, Reflective Black.
- 9.4 Custom text, length and color options shall be available.

## 10.0 OPTIONS

- Active Vent Solar Powered Fan for improved air flow
- Overhead Camera Mount
- 360° Public Address Speakers
- Second opening for directory listings, camera, card reader or other mounted device
- Temperature-controlled compartment capable of housing an AED device
  - Stainless steel housing shall be factory installed with dimensions of 12" W x 21.42" H x 8.62" D
  - The communication device shall be factory programmed to activate the AED door remotely
  - Two pre-programmed key fobs shall be provided for activating the AED door wirelessly within 50 feet
- NightCharge<sup>®</sup> power system
- Mounting Rings for housing and mounting third party security and communication products

## 11.0 WARRANTY

- 11.1 The CB 1-s shall be warrantied against any defects in material and workmanship, under normal use, for a period of 2 years from date of installation. If system is found by manufacturer to be defective within the warranty period, manufacturer shall repair and/or replace any defective parts, provided the equipment is returned to manufacturer.

## 12.0 MANUFACTURER

- 12.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. [www.codeblue.com](http://www.codeblue.com). THERE ARE NO EQUIVALENTS.

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