



### 1.0 RESPONSIBLE PARTY

- 1.1 Any and all questions or correspondence regarding this document and specifications herein shall be directed to:

Code Blue Corporation  
92 East 64th Street  
Holland, MI 49423  
616-392-8296  
aespecs@codeblue.com

### 2.0 SCOPE

- 2.1 This document is intended to provide complete and accurate specifications of the CB5s product offering by Code Blue Corporation for the purpose of inclusion in project specifications, requirements and recommendations required by potential users of Code Blue products and services.
- 2.2 The CB5s will be referred to as “unit” throughout this document.
- 2.3 Code Blue Corporation will be referred to as “manufacturer” throughout this document.

### 3.0 PRODUCT DESCRIPTION

- 3.1 The unit shall be an easily identifiable, vandal resistant communications device that is Americans with Disabilities Act (ADA) compliant, multi-functional, freestanding, and constructed of heavy steel. The unit shall be aesthetically pleasing and virtually impervious to damage, and shall include a high quality, vandal resistant, hands-free communications device illuminated by a high intensity faceplate light, a powerful strobe light and a vivid blue beacon that serves to identify the unit from a great distance.

### 4.0 CONSTRUCTION

- 4.1 The unit shall be a cylinder constructed of ASTM A500 seamless carbon steel structural tube, schedule 20, 8.63” OD x 0.25” wall and a height of 113.5”.
- 4.2 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 source other than Code Blue Corporation. It shall not be possible to enter nor remove any component without this bit. All other types of fasteners shall not be acceptable under any circumstance.
- 4.3 The unit shall have an internal anchor base plate that is MIG welded to the unit 2” above its base. The base plate shall be fabricated with a minimum of .50” thick A-36 grade steel plate and shall have a four 4” diameter center hole for electrical conduit access. The base plate

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## Architectural & Engineering Specifications

shall have three (3) oblong holes on a 6" circular bolt pattern for the attachment to anchor bolts.

- 4.4 The unit shall have an access opening near the base of the unit which provides access for mounting to the anchor bolts and connectivity to electrical facilities. The access opening shall have a cover plate which mounts flush with the unit. This cover plate shall be the same steel and radius as the unit. The cover plate shall fit precisely into the opening and have a weather resistant gasket to prevent water and other elements from entering the unit. The cover plate shall be held in place by two (2) ¼-20 by 1" countersunk proprietary fasteners supplied only by manufacturer.
- 4.5 A recessed opening shall be cut into the unit at a point beginning 37.38" above the bottom of the unit. The opening shall be 14" tall at the forward edge and 12.38" tall at the rear edge creating a 25 degree angle from the horizontal. The upper horizontal edge of the opening shall constitute an arc of 160 degrees in the face of the unit and the sides of the opening shall be parallel and the same length.
  - 4.5.1 The opening shall be totally enclosed by a 7 gauge steel plate that shall have two openings allowing for a communication. The plate shall be seam welded to the unit so that the plate and the unit appear to be one unit.
- 4.6 The tube shall be capped at the top with a 3/16" thick steel plate with a 3" hole in the center. The plate shall be seal welded within the housing at the upper edge.

## 5.0 MOUNTING

- 5.1 The unit shall be mounted onto three (3) anchor bolts that are set into concrete. Standard ¼" x 24" galvanized steel anchor bolts, nuts and washers shall be used as supplied. The unit shall mount ½" above the concrete to allow air flow within the unit.

## 6.0 ELECTRICAL

- 6.1 All electrical components shall have a modular plug for easy service and replacement. All electrical wiring shall be concealed within the unit and shall not be visible from the outside of the unit.
- 6.2 All electrical components in the unit shall be equipped with a fuse for protection from transient voltage conditions.
- 6.3 The unit shall require 1 ampere at 24v AC standard.
- 6.4 The unit shall have the option for Power over Ethernet for connectivity to a VoIP network switch with 802.3af (minimum) capabilities. Requires the IP5000 phone for connectivity to ToolVox Communication Manager or SIP/IAX2 compatible VoIP system. Refer to the Power over Ethernet Architect and Engineering Specification.



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- 6.5 The unit shall have the option of a Power Brick for connectivity to 120v AC, 240v AC, 277v AC and 347v AC primary power. Refer to the Power Brick Architect and Engineering Specification.
- 6.6 The unit shall have the option for Power over Ethernet for connectivity to a VoIP network switch with 802.3af (minimum) capabilities. Requires the IP5000 phone for connectivity to ToolVox Communication Manager or SIP/IAX2 compatible VoIP system.
- 6.7 The installer shall follow all NEC and local electrical codes when installing the unit power systems.

### 7.0 LIGHTS

- 7.1 LED Beacon/Strobe: An LED Beacon/Strobe shall be attached to the top plate and have a Lumen rating of no less than 14.5. The LED Beacon/Strobe shall have a factory set flash rate of no less than 60 flashes per minute and be programmable. A deep blue UV rated polycarbonate prismatic refractor shall cover the LED Beacon/Strobe and shall be used to distribute the light in a horizontal pattern for maximum brightness and visibility at a distance.
  - 7.1.1 The communication device shall be factory programmed to activate the LED Beacon/Strobe for the duration of a button 1 (“Red Button”, “Emergency” or “Push for Help”) call. The LED Beacon/Strobe cannot be deactivated at the unit.
- 7.2 Faceplate Light: A LED Faceplate Light shall be mounted within the unit above the recessed opening which houses the communications device. This fixture will direct light onto the communications device and shall be vandal resistant.

### 8.0 COMMUNICATIONS

- 8.1 The unit shall have a high quality vandal resistant and ADA compliant speakerphone communication device.
  - 8.1.1 IP5000: Refer to the IP5000 Architect and Engineering Specification for further information.
  - 8.1.2 IA4100: Refer to the IA4100 Architect and Engineering Specification for further information.
- 8.2 EIA/TIA, ANSI, CSA and BICSI cabling or similar standards shall be adhered to for proper operation of Code Blue communication devices connected to category 3-7 cabling or fiber optics.

### 9.0 FINISH

- 9.1 The unit shall be finished with a highly graffiti and UV resistant coating process.

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9.2 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
- D714 Field Blisters

9.3 The polyurethane finish shall be a multi coat system available in 10 standard colors:

- Safety Blue
- Safety Red
- Safety Yellow
- Midnight Blue
- Gloss White

9.4 Custom colors shall be available as specified by the user and approved by the manufacturer.

9.5 The primer coat and finish coat shall each have a minimum coverage thickness of 2.0 mils.

9.6 No other types of finishes are acceptable.

## 10.0 GRAPHICS

10.1 The graphics shall be a durable Nikkalite engineering grade reflective vinyl for high visibility and legibility.

10.2 Standard 30 " length graphics text offering shall be:

- EMERGENCY
- ASSISTANCE
- SECURITY
- POLICE
- COURTESY

10.3 Standard graphics color offering shall be:

- Reflective White
- Reflective Blue
- Reflective Black
- Reflective Green
- Reflective Red

- Reflective Yellow

10.4 Custom graphics text, length and color shall be available by the manufacturer.

## **11.0 WARRANTY**

11.1 The unit shall be warranted for a period of two (2) years. Reference manufacturer's warranty for further details.

## **12.0 MANUFACTURER**

12.1 The manufacturer shall be Code Blue Corporation of Holland, Michigan. There are no known equivalents.

12.2 Code Blue Corporation manufactures its products according to the most recent revision of our product specifications and shall not be held responsible for obsolete or outdated specifications. For the latest revision please refer to [www.codeblue.com](http://www.codeblue.com) or contact Code Blue Corporation directly.