

Talk-A-Phone Co.

Model **WEBS-MT/R OP4** Emergency Phone Tower Mount Architectural & Engineering Specification rev. 10/28/2011

1 General Description

1.1 The unit shall be a highly vandal-resistant free-standing steel emergency phone tower mount, model WEBS-MT/R OP4, no substitutions, with built-in combination LED Blue Light, illuminated faceplate, an integrated extension arm for mounting a CCTV dome camera (camera is not included) and Wide-Area Emergency Broadcast System (WEBS) capability. The tower shall house an ADA-compliant, communication device manufactured by Talk-A-Phone Co.

2 Construction

2.1 The unit shall be constructed of 0.25" thick steel and shall weigh approximately 475 lbs.

2.2 The unit shall measure 12.8" W x 11.0" D x 124.0" H with a 2" radius on each corner. Including the extension arm, the tower shall be 12.8" W x 20.0" D x 162.0" H.

2.3 High-gloss, multi-layer, corrosion-inhibitive system with resistance to UV-fade and graffiti protection to withstand prolonged exposure to harsh environments.

2.4 An internal base plate shall be fully welded within the tower 2" above the tower base. The base plate shall be fabricated of 0.75" A-36 structural steel. There shall be a 4" diameter center hole for wiring access and four 1" diameter holes for anchor bolt clearance.

2.5 Tower shall have a wiring and anchor bolt access opening measuring 26.0" H x 6.6" W, located 8.0" above the base of the tower. The opening shall have a flush cover plate with a wall thickness of 0.25", held in place by eight 0.25-20 countersunk, tamper-resistant spanner screws.

2.6 An opening shall be cut in the face of the column for mounting any flush-mounting, 400-Series or 500-Series emergency phone models. The lower edge of the opening shall slope down 30° from rear to front, making the edge difficult to use as a shelf yet convenient as a writing surface.

2.7 Speaker grilles shall be cut out of each side to allow for internally concealed horn speakers.

2.8 A louvered panel shall be installed above or beneath each speaker grille to protect against condensation.

2.9 Tower shall have a hinged door with lock and handle to allow for secure access to a local paging microphone.

2.10 The word "EMERGENCY" shall be emblazoned on all four sides in reflective white letters with wide-angle visibility (custom lettering, sizes and colors available).

Each letter shall be 3.25" in height.

2.11 WEBS Tower shall have a secondary opening with removable perforated aluminum plates for mounting wireless or other devices.

3 Lighting

3.1 Atop the tower shall be a Blue Light.

3.1.1 The Blue Light shall illuminate the area with a luminosity of 209 lumens peak. It would reach 70% of initial lumens after 50,000 hours of operation. It shall be lit at all times.

3.1.2 The Blue Light shall flash 78 times per minute when the emergency phone is activated and continue flashing until the call has been completed.

3.1.3 The polycarbonate refractor/housing shall have a prismatic pattern to increase visibility at greater distances.

3.2 The tower shall have a concealed ultra-bright LED panel light to illuminate the emergency phone faceplate at all times. LED panel light shall have a lifetime of 100,000 hours.

4 Electrical

4.1 Emergency Phone

4.1.1 The ETP-400 Series emergency phone communication device shall require no external power. It shall be powered by the phone line, PBX extension, or a wireless communication interface.

4.1.2 The VOIP-500 Series emergency phone communication device shall operate on Power over Ethernet (PoE, 802.11af), a 12VDC power supply, or 24VDC/AC power supply.

4.2 Wide-Area Emergency Broadcast System (WEBS)

4.2.1 The WEBS paging amplifier shall operate on standard 120VAC power.

4.2.2 Analog WEBS wiring should be under 5,700 ft. on communications-grade (24AWG or better) twisted and shielded pairs. Only the paging controller end (source side) should be grounded. In order to avoid noise on the line, it is recommended that the WEBS cable not be run in the same conduit as digital or power lines. However, if a location is already running CCTV in the same conduit as our phone line to the emergency phone, and experiencing no problems, the WEBS cable can be run in the same conduit as well. All national, state and local codes must be observed.

4.2.3 IP-based WEBS shall use Cat 5e or greater wiring.

4.3 Lighting

4.3.1 The Blue Light shall operate on standard 120VAC power.

4.3.2 The LED panel light shall operate on universal voltage: 12-24VDC/24-120VAC

4.4 All lamps and fixtures shall be UL/C.S.A listed. All electrical components shall be hard wired and concealed within the tower. All wiring and electrical fixtures comply with the standards of the National Electrical Code, UL and C.S.A.

5 Communications

5.1 Emergency Phone

5.1.1 Tower shall accept any ETP-400 Series or VOIP-500 Series flush mounting emergency phone.

5.2 Wide-Area Emergency Broadcast System (WEBS)

5.2.1 WEBS Tower shall accommodate either a connection to an analog paging controller (Model WEBS-ZPS) or a communications module (Model WEBS-CM-2 or VOIP-500 Series emergency phones).

5.2.1.1 WEBS Tower shall include one 130-Watt RMS amplifier to accommodate an analog connection to model **WEBS-ZPS** Zone Paging System.

5.2.1.2 WEBS Tower shall include one 130-Watt RMS amplifier to accommodate audio line-level connection to Model **WEBS-CM-2** Communications Module that allows for IP-based paging in WEBS-enabled mounts (Models **WEBS-MT/R**, **WEBS-PM**, **WEBS-WM**). The **WEBS-CM-2** shall be housed inside of the WEBS Tower.

5.2.1.3 WEBS paging stations shall have a dedicated head-end paging controller. Analog-based WEBS systems shall have a maximum of 99 units. IP-based WEBS systems shall have a virtually unlimited number of units (i.e. maximum number is dependent on network topology).

5.2.2 WEBS Tower shall include four 40-Watt, 8 ohms, concealed speakers for use with the Wide-Area Emergency Broadcast System (WEBS). One speaker shall be mounted behind a grille on each side of the tower. There shall be separate volume controls for each individual speaker.

5.2.3 WEBS Tower shall include a local paging microphone for local tower broadcast and mustering.

5.2.4 All units can be paged individually, in user defined groups, and as an all-call.

5.2.5 WEBS Tower audio output shall be 123dB at one meter.

6 Mounting

6.1 The tower shall include 24-inch J-bolts for mounting into a 24" x 24" concrete foundation, depth to vary according to local regulations and other site-specific considerations. J-bolts shall protrude approximately 5 inches from surface of foundation.

6.2 An optional mounting kit shall be available for mounting into above ground locations such as parking decks, where access to concrete base is available from both above and below.

6.3 The extension arm shall mount to the top back of the tower by fitting carriage bolts through pre-drilled holes in the tower.

7 Options

7.1 Communications

7.1.1 Emergency Phone

7.1.1.1 Emergency Phone communication device shall accept fiber optic line instead of standard copper wire. ETP-400 Series or VOIP-500 Series flush mounting emergency phone and their respective fiber interface shall be required.

7.1.1.2 Cellular Interface shall be available when phone line is not available for the 400-Series emergency phone.

7.1.1.2.1 Transmission shall be CDMA 800 or PCS 1900, model ETP-CI/CDMA.

7.1.1.2.2 Transmission shall be 850/1900Mhz GSM, model ETP-CI/GSM

7.1.1.2.3 Transmission shall be CDMA for Verizon Wireless, model ETP-CI/CDMA-V

7.2 Integrated CCTV

7.2.1 Model WEBS-MT/R OP2 shall include a mounting shelf above the emergency phone for mounting of an integrated fixed CCTV camera, supplied by others. A 2.81" diameter camera opening shall be located at a 56.24" height, with a clear polycarbonate impact-resistant cover protecting the CCTV camera.

7.2.2 Model WEBS-MT/R OP3 shall include an integrated fixed CCTV camera mounted above the emergency phone on a shelf at a 56.24" height. The CCTV camera shall be protected with a clear polycarbonate impact-resistant cover behind a 2.81" diameter camera opening. For full specifications of the CCTV camera, contact Talk-A-Phone Co.

7.2.3 Model WEBS-MT/R OP5 shall include a metal arm mounted to and

extending 60" over the top of the tower. The LED blue light shall mount to the top of the arm. The LED blue light shall not be enclosed in a secondary polycarbonate enclosure. An included PTZ dome camera shall mount underneath the arm on a 1.5" NPT. The dome shall be a SpeedDome® Ultra V or equivalent. For full specifications of the PTZ dome camera, contact Talk-A-Phone Co.

8 Warranty

8.1 WEBS Tower shall be warrantied against any defects in material and workmanship, under normal use, for a period of five years from date of installation. In the event 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.

9 Manufacturer

9.1 The Manufacturer shall be Talk-A-Phone Co. (773) 539-1100, 7530 N. Natchez Ave, Niles, Illinois 60714-3804, www.talkaphone.com. THERE ARE NO EQUIVALENTS.