DIVISION 16 - ELECTRICAL

Section 16705 – Blue Light Phones

Introduction

Auxiliary Systems and Communications related support systems.

Part 1 - General

- This section must be incorporated into each project and coordinated with related sections. These areas include:
  - “Blue Light” emergency phones
  - Telecommunications grounding

- In projects where “Blue Light” emergency phones are required, the installation of the emergency phone unit and mounting pole or wall-mount housing shall be included in the scope of work. Conduit and power shall also be provided for each emergency phone. Electrical outlet shall be installed inside pole for proper disconnect requirements.

Part 2 - Products

- The following are the part numbers for the Blue Light Phones commonly used at the University of Arizona (include verbal descriptions and verify catalog numbers, require submittals):
  
  Hands-Free Emergency Phone: Talk-a-Phone #ETP 500E single button call station  
  Mounting Tower (pedestal): Talk-a-Phone #ETP-MT  
  Wall-mount Enclosure: Talk-a-Phone #ETP-WM  

Authorized Product:

  TALK-A-PHONE Co.  
  5013 North Kedzie Avenue  
  Chicago, Illinois 60625-4988  
  Phone: (773) 539-1100  
  Fax: (773) 539-1241  
  Email: info@talkaphone.com http://www.talkaphone.com

Part 3 – Emergency “Blue Light” Phone Systems

- Blue phones shall be mounted on steel pedestals with concrete bases, or in wall-mount enclosures as directed by the project manager with #6 ground ring.
- Instruments shall be “Talk-A-Phone Co.”, Model ETP-400, with blue light mounted above. Refer to University Standard details.
- “Blue Light” phones shall be cabled and terminated at the closet IDF closet. Provide station protectors at the phone unit where required by NEC 800.30. Final cross-connections and phone programming will be provided by U of A UITS.

Consultant to coordinate locations with University Risk Management department.

- Refer to Drawings 16705-D1 and 16705-D2.
BLUE LIGHT PHONE PEDESTAL DETAIL

LIGHT PHONE POLE PER MANUFACTURER'S INSTRUCTIONS.

GROUND LUG, BRAZED OR WELDED TO POLE

ANCHOR BOLTS TYPICAL
1" STEEL BASE PLATE FOR RETROFIT ADAPTER
INCOMING CONDUITS FOR POWER AND TEL USE RGS IN POLE FOUNDATION AND FOR RISER FINISHED GRADE

GRADE 3000 PSI CONCRETE
#6 BC 20' COIL

PROVIDE REBAR CAGE #6 BARS VERTICAL WITH #3 TIES AT 12" OC PROVIDE 20' OF #6 BC COILED AT BASE OF POLE FOUNDATION FOR GROUNDING

POLE INSTALLATION DETAIL. NEW TOWER. NEW FOUNDATION NOT TO SCALE

TYPICAL-Bluestake each pole location before installation. Repair any damage to existing utilities. Provide pull string in every telecom conduit.

EXISTING PAVED LOT

TYPICAL-POLE FOUNDATION: LOCATE ADJACENT TO SIDEWALK
BROOM FINISH

TYPICAL-FOR ADA ACCESSIBILITY POUR 4" SLAB AT GRADE TO DIMENSIONS SHOWN AT EACH LOCATION WHERE SIDEWALK EXISTS.

ADA ACCESSIBILITY DETAIL. NOT TO SCALE

UNIVERSITY OF ARIZONA
MANUAL OF DESIGN SPECIFICATION STANDARDS

STANDARD DETAIL:
BLUE LIGHT PHONE PEDESTAL DETAIL

DRAWN BY: KML DETAIL NO. REVISIONS
APPROVED BY: FD&C 16705-01
ACAD: 16705-01

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BLUE LIGHT PHONE WALL-MOUNT ENCLOSURE

CONTRACTOR SHALL VERIFY WITH EQUIPMENT REQUIREMENTS PRIOR TO BUILDING A SYSTEM.

FRONT

31.75 (806)

6.00 (152)

10.75 (273)

7.00 (178)

SIDE

8.00 (203)

11.81 (300)

0.88 (22)

6.00 (152)

BACK

4.50 (114)

1.92 (49)

6.47 (164)

3 OPENINGS FOR CABLE/CONDUIT ENTRY

1.25 (32) DIAMETER (3 PLACES)

BOTTOM

4.50 (114)

R=1.50 (38)

1.13 (29) DIAMETER (2 PLACES)

2 OPENINGS FOR CABLE/CONDUIT ENTRY

MEASUREMENTS ARE IN(MM), TOLERANCE = ± 0.01 IN

END OF SECTION 16705