

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Remove, relocate, and provide new components for the existing Nurse Call System. Furnish all equipment, accessories, and material required for a complete system in accordance with the specifications and drawings. Any material and/or equipment necessary for the proper operation of the system not specified or described herein shall be deemed part of this specification.

1.2 CODES AND STANDARDS

- A. Refer to Section 26 05 00, Common Work Results for Electrical, for applicable codes. All components and the system as a whole shall be listed under U.L. 1069.

1.3 COORDINATION

- A. Contractor shall coordinate outlet box requirements with system supplier. Notify Owner prior to installation if conflicts occur between required box depth and wall thickness.

1.4 SYSTEM OPERATION

- A. General Description: The existing nurse call system consists of audible signaling, and visual annunciation.

1.5 SUBMITTALS

- A. Prepare and submit Product Data and Shop Drawings for review prior to manufacture. Contractor shall provide Operation and Maintenance data in a bound manual. Product Data shall include complete equipment description data including UL listings for each component. Shop drawings shall include complete floor plans of system layout showing equipment and devices locations, wiring routes, wiring connection and termination diagrams, and junction boxes.

1.6 WARRANTY

- A. Provide a two year warranty to cover all labor, materials, freight, travel, transportation, permitting, inspections and testing necessary to diagnose, repair, replace or otherwise adjust system to maintain original operation as described in the contract documents from the date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. All components for the Nurse Call System shall be manufactured by E-Z Care as furnished by Simplex Grinnell LP. Subject to compliance with requirements, provide product indicated on drawings.

2.2 NURSE-CALL SYSTEM OPERATIONAL REQUIREMENTS

A. Staff Assist Button: Model 5009-9312 series with red pushbutton.

Call-placed lamp, reset push button, and polarized receptacle matching cord-set plug; mounted in a single faceplate. Lights a steady call-placed lamp on the station, steady lamps in the zone light and corridor dome light associated with the patient's room, and steady lamps at the Staff Station/Central Annunciator and other system display devices. At the same time, it sounds a programmed tone at intervals, at the respective annunciator and the staff station.

B. Code Blue Station: Model 5009-9313 series.

A staff member can initiate a Code Blue call from a Code Blue Station by depressing a large blue button. The call shall hold until answered at the originating station by depressing the reset switch/call assurance light. Originating a call from these stations shall:

1. Flash the call assurance lamp in the Code Blue Station at 120 ppm.
2. Flash the green section of the Corridor Dome Light and red section of any associated Zone Dome Lights at 120 ppm.
3. Flash the patient's room number, bed number, and sound a tone (120 ppm) at all Duty Stations and Annunciators.

C. Dome Light with Controller: Model 5009-9801 series.

D. Staff Station/Central Annunciator is existing.

Model 5009-9106 series.

Receives and annunciates calls. When a call is placed on the system the room number is flashed or steadily illuminated depending on the priority level of the call. If calls are not answered immediately the tone signal shall be repeated unless the nurse is in the process of answering other calls. Legend at the Staff Station/Central Annunciator identifies the calling station.

E. Central Equipment Terminal Cabinet with integrated power supply is existing.

Model 5009-9703 series.

PART 3 - EXECUTION

3.1 RACEWAYS

- A. All new nurse call wiring shall be provided in raceways. Refer to section 26 05 33 for installation requirements. Coordinate with system supplier for exact raceway requirements. Raceways are not indicated on the drawings and shall be 3/4" minimum.

3.2 OUTLET BOXES

- A. Provide outlet box as required for each device. Refer to architectural interior elevations for exact location. See Section 26 05 33 for mounting requirements.

3.3 WIRE

- A. Coordinate with system supplier for wiring requirements.
- B. Contractor shall terminate all wiring with manufacturer approved connectors. The use of wire nuts is prohibited.
- C. All wiring shall be free from shorts and faults. Wiring shall be UL listed, NEC and NFPA 70, Article 25 approved.
- D. Nurse patient communications network wiring shall not be run in the same conduit with other systems (i.e. Class 1 AC power distribution, fire alarm, entertainment systems, lighting controls, etc.).

3.4 TESTING

- A. The completed system shall be tested and, after one subsequent week (minimum) "on-line" operation, demonstrated to operate satisfactorily in the presence of the Owner's representative. Correct any problems that surface during the test and re-demonstrate to the satisfaction of the Owner's representative.

3.5 PROJECT COMPLETION

- A. Project completion and payment will be based on completion of the following:
 - 1. Completion and approval of acceptance tests.
 - 2. Completion of punch list items.
 - 3. Cleanup of installation site to the satisfaction of the Owner's representative.

END OF SECTION