

MEDICAL CENTER SPECIAL REQUIREMENTS FOR DIVISION 27 – COMMUNICATIONS

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The special requirements indicated in this appendix shall be incorporated in all Design Documents for Medical Center Projects. These Special Requirements consists of exceptions, revisions or additions to the base Building Design Standards.

27 00 00. COMMUNICATIONS

27 50 00. DISTRIBUTED COMMUNICATIONS AND MONITORING SYSTEMS

27 52 23. NURSE CALL/CODE BLUE SYSTEMS

- .1 SYSTEM ARCHITECTURE: The existing nurse call system consists of multiple General Electric/Dukane ProCare 6000 and Tellingence systems located throughout the OSU Medical Center complex. Each system consists of one main control panel per inpatient floor (typically). Each system communicates via the OSUMC Ethernet network with a common server located in Rhodes Hall Room S540M for pager system, Spectralink system and administrative report monitoring system (ARMS) functions. The ARMS monitoring system is utilized to monitor all events occurring throughout the complex and creates reports for specific user needs. This reporting system is capable of creating reports across multiple buildings and units and can be user modified.
- .2 INPATIENT ROOMS: Each inpatient room shall be provided with a corridor dome light outside of the patient room, a single patient station (located on room entry side of the headwall), a stand alone code blue station on the opposite side of the headwall, a dual 37-pin receptacle located at standard mounting height on the patient headwall, a dual auxiliary input receptacle (for clinical equipment monitoring purposes) located on the headwall, a manual presence station located at room entry point, one lavatory pull station and one shower pull station located in the restroom.
 - .2.1 : The system shall be provided with sealed pillow speakers that allow for nurse call, direct communication with nurse call master station, direct digital control of TV's and control of room lighting (one for general lighting and one for reading light). The lighting control relay shall be separate from the light fixture and mounted above the ceiling near entry to the patient room.
 - .2.2: Provide dummy plugs for all ancillary auxiliary inputs and 37-pin receptacles. Any loose dummy plug needs tethered via a rubberized, bacteria resistant lanyard.
- .3 EXAM ROOMS: Exam rooms shall be provided with (as a minimum) (1) patient station, (1) manual presence station and (1) corridor dome light.
- .4 PROCEDURAL/OPERATING ROOMS: Procedural and operating rooms shall be provided with (as a minimum) (1) staff station, (1) code blue, (1) manual presence station and (1) corridor dome light. Consideration shall be given to additional audible zone lights throughout the procedural space in order to notify staff.
- .5 NURSE STATIONS: Nurse stations shall be provided with base master and video master as a minimum.
- .6 SPARE PARTS: Provide 10% spare parts.

.7 WARRANTY AND TRAINING: Supplier shall provide a minimum (1) year warranty with emergency service applicable. Nurse call system manufacturer or associated local representative shall provide maximum (1/2) hour telephone response and (4) hour site response time for emergency calls during the warranty period. Four (4) hours of training shall be provided per nursing unit.

.8 SERVICE: All service outside of warranty shall be provided under a separate contract

27 53 13. CLOCK AND PROGRAM SYSTEMS:

.1 SUPERVISED CLOCK SYSTEMS: A supervised clock system will be provided only when so required by the building or space program. Supervised clocks shall be digital type only. Clock numbers shall be red, 4" numbers with black aluminum housing. Clock shall be controlled via dedicated data drop with power over Ethernet – no external power supplies shall be required. Clocks will have hour and minute displayed, Clocks needing seconds displayed will be specified by the program.

.1.1 CLOCK AND FIRE ALARM SYSTEMS BIDDING PROCESS: Fire Alarm systems and Supervised Clock systems are viewed by the Medical Center as separate stand-alone systems. They shall not be bid as a combined system by a single manufacturer. Each system shall be bid with a separate cost proposal in projects with Fire Alarm and Supervised Clock systems.

27 53 15. CLASS BELLS:

.1.1 Class Bells will be provided only when so required by the Medical Centers' building program. Class bells are prohibited in Medical Center patient care buildings.

END OF DIVISION 27 - COMMUNICATIONS