DIVISION 27 - COMMUNICATIONS

27 1005  STRUCTURED CABLING FOR VOICE AND DATA - INSIDE-PLANT

A. Materials and installation shall be per the University of North Dakota Telecommunications design standards document “University Of North Dakota Low Voltage Communications Standards For Cabling, Pathways, And Space” as prepared by UND Telecommunications. Contact the UND Telecommunications office for the current revision of the standards. This document only refers to low voltage items pertaining to telecommunications work. For building automation and general electrical items see division 26.

27 5117  PUBLIC ADDRESS SYSTEMS

A. Install per applicable codes and as appropriate for the project. Contact UND Facilities Management’s Electronics Department for approval of product selection, design, etc.

B. Public address systems may be an integral part of the fire alarm system. Pre-recorded messages may be used for common emergencies (e.g. weather-related announcements). In these systems, microphones shall be available at the fire alarm control panel and at the annunciator panel(s).

C. If the public address system is a wired, stand-alone system, it shall use TOA Electronic amplifiers or other brands that have a 5-year warranty. All related speakers shall use tile rails or C-rings and back cans similar to the JBL Contractor 24/CT or 26C/T series.

Note: Phone line interface modules specified by Telecom.

27 5119  SOUND MASKING SYSTEMS

A. Install per applicable codes and as appropriate for the project. Contact UND Facilities Management’s Electronics Department for approval of product selection, design, etc.

B. The sound masking system shall use the following equipment or current models there of:

C. Crown model amplifier 135MA, a GTC Industries Noise Plug (XLR format with pink noise generator), and JBL Contractor Series 12C/T speakers with the accompanying tile rails and C-ring supports.

27 5124  INTERCOM SYSTEMS

A. Install per applicable codes and as appropriate for the project. Contact UND Facilities Management’s Electronics Department for approval of product selection, design, etc.
B. If the intercom system is a wired system, it shall use the Jeron Electronic Systems Inc. product line of equipment.

C. If the intercom system is an IP-based system, it shall use the TOA Electronics N-8000 system, current model thereof, or user-approved substitute.

27 5129 AREA OF REFUGEE/RESCUE ASSISTANCE SYSTEMS

A. Install per applicable codes and as appropriate for the project. Contact UND Facilities Management’s Electronics Department for approval of product selection, design, etc.

B. Area of refuge/rescue assistance systems shall use the Rath product line of equipment.

27 5132 TELEVISION SYSTEMS (telecom)

A. Install per applicable codes and per "University of North Dakota Low Voltage Communications Standards for Cabling, Pathways, and Space" design guide. Contact UND Telecommunications Department for approval of product selection, design, etc.

27 5223 NURSE CALL/CODE BLUE SYSTEMS

A. Install per applicable codes and as appropriate for the project. Contact UND Facilities Management’s Electronics Department for approval of product selection, design, etc.

B. Nurse call systems shall use the Jeron Electronic Systems Inc. product line of equipment.

27 5314 CLOCK SYSTEMS

A. Central synchronized clock system shall not be installed in campus buildings. Battery power automatic clocks are to be installed by the departments as they occupy the space.

B. If exceptions are approved by UND Facility Management’s Electrical Coordinator, then the following shall apply. Any licensing requirements shall be included with the project. Any contractor agency working on the owner’s behalf shall communicate to the designated responsible party the requirements of the license.