SECTION 16711 - 27 05 53 IDENTIFICATION FOR COMMUNICATIONS SYSTEMS

PART 1 - GENERAL

1.01 SUMMARY

A. This section includes Labor, materials and equipment necessary to complete the installation required for the items specified under this Section, including but not limited to:

1. Nameplates and tape labels
2. Wire and cable markers
3. Outlet and pull box identification
4. Conduit identification

1.02 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Specifications throughout all Divisions of the Project Manual are directly applicable to this Section, and this Section is directly applicable to them.

C. Section 27 00 00 – Communications

1.03 REFERENCE STANDARDS

A. TIA/EIA 606-B Labeling Standard

1.04 SUBMITTALS

A. Submit manufactures product data sheets for labeling material and appropriate use on items infrastructure items.

B. Submit samples of proposed labeling to go on each style of communications infrastructure item. These samples shall be the property of the owner and shall not be returned.

1.05 QUALITY ASSURANCE

A. Labels shall be that recommended by the labeling device manufacture and shall be free of defects.

B. Comply with manufactures instructions and all applicable codes.

1.06 SUMMARY

A. All labels shall be neatly made and installed, easily read, permanent, and appropriate for the application.

B. The latter sections of this document contain specific information on labeling. These specifications must be followed as part of this project.

C. It is required by the Owner that the labels used in this project fasten permanently to the surface or area where they are to be placed. Flag style labels may be used for cables as well as devices which print directly on the cable jacket.
D. All conduit, pull box, and telecommunications outlets, cables, patch panels will be labeled in accordance with an Owner provided labeling procedure.

E. All box, cabinet, and conduit labels shall be readable from a distance of at least six feet.

F. Revisions to those stated within this section or from those indicated on the drawings require approval by NCAR NETS Engineers.

PART 2 - PRODUCTS

2.01 MATERIALS – INTERIOR

A. Stick on: Permanent reinforced vinyl, computer printed label with 3/16" black letters on white background.

B. Cable Pull Markers: Preprinted shrink tubing or adhesive numbering tape.

C. Felt Tip Pen with Indelible Ink is for temporary labeling only. Remove from exposed surfaces before attaching permanent labeling.

D. Embossed Tape is not allowed.

2.02 MATERIALS – EXTERIOR

A. Strap Around: Permanent cloth/reinforced vinyl, computer printed label with at least 1/2" black letters on white background on a stainless steel band.

B. Stick on: Temporary labeling only. Permanent reinforced vinyl, computer printed label with 3/16" black letters on white background.

C. Cable Pull Markers: Preprinted shrink tubing or adhesive numbering tape.

D. Felt Tip Pen with Indelible Ink is for temporary labeling only. Remove from exposed surfaces before attaching permanent labeling.

E. Embossed tape is not allowed.

F. An engraved lettering plate which is screwed to or permanently affixed to the object is also acceptable.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Degrease and clean surfaces to receive labels.

B. Install tape labels parallel to equipment lines.

C. All lettering must be machine printed.

D. Wiring Devices General: 3/16" printed letters black on white, reinforced vinyl. Locate on front side of the cover plate with two duplicate labels attached inside the outlet box or on the wiring device body.

E. Outlet and Pull Boxes: Label each conduit entering the box.
F. Conduit: Label all conduit ends within a telecommunications closet or room and as required by the National Electrical Code (NEC).