# ­GENERAL

## Summary

### Provide all services, labor, materials, tools, and equipment required for the complete and proper installation of communication equipment room fittings as called for in these specifications and related drawings.

## System Description

### Design Requirements: Provide cable management and ladder rack cabling support in each telecommunication room location to transport all communication cabling within the room to the termination racks.

## Submittals

### Product Data: Submit manufacturers’ product information for equipment room fittings.

## Quality Assurance

### Comply with section 270000.

## Delivery, Storage, and Handling

### Comply with section 270000.

# PRODUCTS

## Manufacturers

### Use Panduit communications equipment room fittings unless previously approved alternate is chosen by the UNL Project Manager.

## Materials and Fabrication

### Ladder rack

#### Provide all required Panduit, or equivalent, Universal Cable Runway.

#### Provide color black, but confirm with owner representative and Architect before purchase.

#### Provide widths specified in the technology drawings.

### Piece parts and accessories

#### Provide all piece parts and accessories to complete the drawing illustrated layouts per manufacturer’s installation instructions and any installation instructions given in these specifications.

#### Examples: Horizontal 90-degree turns, vertical to horizontal, or vice versa 90-degree turns, counter brackets, ladder rack splices, ladder rack supports, etc.

#### Provide all ladder rack and associated components from a single manufacturer.

# EXECUTION

## Examination

### Comply with section 270000.

## Installation

### File a copy of the ladder rack manufacturer’s installation instructions with the owner’s representative, Architect, and General Contractor before beginning installation of any ladder rack.

### Install all ladder rack components per manufacturer’s instructions.

### Use only manufacturer-supplied and/or manufacturer-provided hardware.

### Installation elevations and layout patterns are specified in the drawings.

### Be prepared to make field adjustments and resolve conflicts between drawings, specifications, and field conditions before beginning or continuing ladder rack installation.

### Bond all ladder rack within an equipment room or telecommunication room to the **telecommunications grounding buss bar.**

## Adjustments

### Comply with section 270000.

END OF SECTION 271100