

# PLANNING, DESIGN AND CONSTRUCTION

INFRASTRUCTURE PLANNING AND FACILITIES

CONSTRUCTION  
STANDARDS  
UPDATES

**June 2026**

*Greetings,*

*This is the latest issue from IPF's Construction Standards Committee detailing recent changes to MSU's Construction Standards.*

*We hope that you will find these updates useful when planning and performing work at MSU. A comprehensive list of design and construction standards is available on the [IPF website](#).*

*The MSU Planning, Design and Construction Team*

## DESIGN GUIDELINES

**No updates**



## TECHNICAL STANDARDS

### New

- [280500 Common Work Results for Electronic Safety and Security](#)

### Extensive Revisions

- [270015 - Technology General Requirements](#)
- [270500 Common Work Results for Communications](#)
- [270526 - Grounding Procedures](#)
- [270528.28 - Firestopping, Smoke, and Acoustical Sealing Telecommunications and Data Cabling](#)
- [271116 - Racks](#)
- [271313 - Communications Copper Backbone Cabling](#)
- [271400 - Telephone](#)
- [271513 - Communications Copper Horizontal Cabling](#)
- [271517 - Structured Cabling Systems](#)
- [271523 - Communications Interior Optical Fiber Cabling](#)
- [271700 - Interior Fiber Optic Cable System](#)
- [271800 - Exterior Fiber Optic Cable System](#)
- [271900 - Broadband Cable System](#)

### Updated

- [076200 - Sheet Metal Flashing and Trim](#)
- 3.3.B.1. Installation General - Added "copper sheet metal flashing"

- 3.3.I - Added "1. Copper Soldering: Tin uncoated copper surfaces at edges of sheets using solder recommended for copper work. 2. Do not use open-flame torches for soldering. Heat surfaces to receive solder and flow solder into joints. Fill joints completely. Completely remove flux and spatter from exposed surfaces."
- 3.5.E. Rood Flashing Installation - Added "1. Turn copper flashing down inside vent piping, being careful not to block vent piping with flashing. 2. Seal with elastomeric sealant and clamp flashing to pipes penetrating roof."
- [232123 - Hydronic Pumps](#)
- 2.2.A. Manufacturers - Corrected name to Armstrong Fluid Technology
- 2.3.A. Manufacturers - Corrected name to Armstrong Fluid Technology
- 2.4.A. Manufacturers - Corrected name to Armstrong Fluid Technology



## STANDARD DETAILS

### Updated

- [224500 - Emergency Shower and Tempering Valve Piping Diagram](#)
- [232123 - Base Mounted End Suction Pump Piping Diagram](#)
- [232123 - Horizontal Split Case Pump Piping Diagram](#)
- [232123 - In-line Circulating Pump Piping Diagram](#)
- [232213 - Steam Drip Leg](#)
- [238216 AHU Chilled Water Cooling Coil with Three-Way Control Valve Piping Diagram](#)
- [238318 Snow Melt Manifold Detail](#)

- [238413 - Duct-Mounted Vertical Steam Dispersion Tube Humidifier -  
Ultrasorb XV Piping Diagram](#)

