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230041-H: SUPPLEMENTAL PUMPS

Related Sections

Basis Guideline: 230041 – "Pumps"
262900-H – "Supplemental Motor Controls"
For an explanation of the use of these guidelines, see "Design Guidelines for UMHHC Facilities"

Included as part of this UMHHC guideline section are the details described within the following UM Master Specification sections:
MS220523 – "Valves"
MS221113 – "Piping Materials and Methods"
MS221123 – "Domestic Water Booster Pumps"
MS221333 – "Packaged Submersible Storm and Sanitary Pumps"
MS230593 – "Testing, Adjusting, and Balancing"
MS232123 – "Plumbing and Hydronic Pumps"

The UM Master Specifications may be used as a reference and/or basis, but the A/E is completely responsible for contract specifications (meeting the intent of the UMHHC Guidelines and Preferred Manufacturers List) that are used in UMHHC projects.

UMH Standard Details:
D230041H-1 "Inline Pump Piping Diagram"
D 15160 001 "End Suction Pump Installation Detail"
D 15160 002 "Pump Base Installation Detail"
D 15160 003 "Vertical Split Case Pump Installation Detail"
D 15160 005 "Vertical Split Case Pump Installation Detail"
D 15160 006 "End Suction Pump Installation Detail"

General

The pump selected should be capable of accepting at least 1 larger size impeller to allow for future expansion needs.

For storm and sanitary sump pumps, design for duplex systems with automatic pump alternators.

All pumps utilized in hydronic heating hot water or chilled water systems shall be bronze fitted.

Flexible connectors 2-1/2" and larger shall be spherical to allow for angular movements.

See UMHHC Design Guideline 262900-H "Supplemental Motor Controls" for information on all pump starters.