

SECTION 230500

BASIC MECHANICAL REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Basic Mechanical Requirements specifically applicable to Division 23 Sections, in addition to Division 01 - General Requirements.

1.2 ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option. Accepted Alternates will be identified in Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work as required.

1.3 REFERENCES

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| A. | American National Standards Institute | ANSI |
| B. | American Society of Mechanical Engineers | ASME |
| C. | American Water Work Association | AWWA |
| D. | American Society of Heating, Refrigeration and
Air Conditioning Engineers | ASHRAE |
| E. | American Refrigeration Institute | ARI |
| F. | American Society for Testing and Materials | ASTM |
| G. | National Fire Protection Association | NFPA |
| H. | Sheet Metal and Air Conditioning Contractors
National Association | SMACNA |
| I. | National Electrical Manufacturers Association | NEMA |
| J. | Underwriters Laboratories | UL |
| K. | Manufacturers Standardization Society of the
Valve and Fitting Industry | MSS |
| L. | American Gas Association | AGA |
| M. | Factory Mutual | FM |
| N. | Industrial Risk Insurers | IRI |
| O. | Insurers Service Organization | ISO |
| P. | Plumbing and Drainage Institute | PDI |
| Q. | American Society of Civil Engineers | ASCE |

1.4 SUBMITTALS

- A. Submit under the provisions of Division 01.
- B. Proposed Products List: Include Products specified in Division 23.
- C. Submit shop drawings and product data grouped to include complete submittals of related systems, products, and accessories in a single submittal.
- D. Mark dimensions and values in units to match those specified.

1.5 REGULATORY REQUIREMENTS

- A. Conform to Florida Building Code for 2023.

- B. Plumbing: Conform to Florida Plumbing Code for 2023.
- C. Mechanical: Conform to Florida Mechanical Code for 2023.
- D. Florida Energy Conservation Code for 2023.
- E. Fire Protection: Conform to National Fire Protection Association documents in effect in 2020.
- F. Guidelines for Design and Construction of Healthcare Facilities for 2018.
- G. Obtain permits, and request inspections from authority having jurisdiction.

1.6 PROJECT/SITE CONDITIONS

- A. Install Work in locations shown on Drawings, unless prevented by Project conditions.
- B. Prepare drawings showing proposed rearrangement of Work to meet Project conditions, including changes to Work specified in other Sections. Obtain permission of Architect/Engineer before proceeding.

1.7 TRANSPORTATION AND HANDLING

- A. Transport and handle Products in accordance with the manufacturer's instructions.
- B. Promptly inspect shipments to ensure that Products comply with requirements, quantities are correct, and Products are undamaged.
- C. Provide equipment and personnel to handle Products by methods to prevent soiling, disfigurement, or damage.

1.8 STORAGE AND PROTECTION

- A. Store and protect Products in accordance with manufacturers' instructions with seals and labels intact and legible.
- B. Store sensitive Products in weather tight climate-controlled enclosures.
- C. For exterior storage of fabricated Products place on sloped supports above ground.
- D. Provide bonded off-site storage and protection when a site does not permit on-site storage or protection.

1.9 SUBSTITUTIONS AND PRODUCT OPTIONS

- A. See Division 01.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

END OF SECTION