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### 223313 - Hot Water Heaters

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## SECTION 22 3313 – HOT WATER HEATERS

### 1.1 SUMMARY

- A. Section Includes:
  - 1. Domestic Water Heaters
- B. Electric Domestic Water Heaters are not allowed without UNH Facilities approval.
- C. See Chapter 5, Division 01, Section 017700.1.1.B.1.i Closeout Procedures - Project Record Documents for equipment list requirements for all equipment provided in this section.
- D. Applicable Codes - all are most current adopted edition
  - 1. Gas fired equipment installations shall conform to NFPA 54 and NFPA 58 as applicable.
  - 2. Oil fired equipment installations shall conform to NFPA 30, NFPA 31, and the New Hampshire DES ENV – OR 300 as applicable.
  - 3. All equipment shall be installed according to the manufacturer's installation instructions per NFPA 54, 9.1.1.2
  - 4. Flues and chimneys shall comply with NFPA 211
- E. Inspections/Permits
  - 1. Permits required by the AHJ shall be obtained by the contractor for any new or upgraded installation.
  - 2. Oil tanks and related piping changes shall be registered with and approved by a representative of the UNH Environmental Health and Safety office
  - 3. Fuel fired equipment shall be inspected, as required according to Title XII 157-A, by qualified personnel before said equipment is placed into service.

### 2.0 PRODUCTS

- A. Water Heater Manufacturers:
  - 1. Lochinvar
  - 2. PVI
  - 3. Bradford White
  - 4. Rheem
- B. Oil Burner Manufacturers:
  - 1. Beckett
  - 2. Riello
  - 3. Weil McLain
- C. On Demand Gas Water Heaters Manufacturers:
  - 1. Rinnai



2. Bosch
3. Rheem

#### 1.4 PART 3 EXECUTION

Owner's Operation Checklist – Contractor shall complete and submit checklist provided by UNH Facilities, see Attachment A -

##### Commissioning

1. All equipment shall be tested for fuel and/or vent product leaks and shall be properly tuned for normal operation.
2. Maintenance staff shall be provided with product manuals and training as applicable, in addition any and all as built wiring diagrams for control circuitry.

END OF SECTION 23 2113