SECTION 11450

RESIDENTIAL EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Types of residential equipment required include the following:

1. Refrigerator/freezers
2. Food waste disposers
3. Dishwashers

1.02 RELATED SECTIONS

A. Division 15: Plumbing Requirements.

B. Division 16: Electrical Services and Connections.

1.03 SUBMITTALS

A. Product Data: Submit manufacturer's specifications and installation instructions for each type of residential equipment, including data indicating compliance with requirements. Submit operating and maintenance instructions for each item of residential equipment.

B. Schedule: Submit schedule of residential equipment, using same room designations shown on drawings.

1.04 QUALITY ASSURANCE

A. Certification Labels: Provide residential equipment which complies with standards and bears certification labels as follows:
1. Energy Ratings: Provide energy guide labels with energy cost analysis (annual operating costs) and efficiency information as required by Federal Trade Commission.
2. UL Standards: Provide residential equipment with UL labels.
3. ANSI Standards: Provide gas-burning residential equipment with American Gas Assoc. (AGA) seal of approval, complying with ANSI Z21 Series.

B. Uniformity: Provide products of same manufacturer for each type of residential equipment required.
1. To greatest extent possible, provide residential equipment by single manufacturer for entire project.

1.05 DELIVERY AND STORAGE

A. Deliver products to project site in manufacturer's undamaged protective containers, after spaces to receive them have been fully enclosed.

1.06 SPECIFIED PRODUCT WARRANTIES

A. Submit manufacturer's standard written warranty for each item of residential equipment.

PART 2 PRODUCTS

2.01 COLORS

A. Provide manufacturer's standard colors as shown or scheduled. If no color indicated, provide white.
   1. Wherever residential equipment by more than one manufacturer is installed in same space, provide units with matching color, unless otherwise indicated.

2.02 REFRIGERATOR / FREEZER

A. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
   1. Amana Refrigeration Inc.
   2. Frigidaire
   3. General Electric
   4. Hotpoint
   5. Sears, Roebuck & Co.
   6. Whirlpool
   7. White-Westinghouse

B. Top Freezer Type: Freestanding, two-door unit; both compartments frostless, with separate temperature controls; switch for condensation control heating element at freezer opening: storage features including adjustable shelves, meat compartment, vegetable crisper(s), butter conditioning compartment, removable egg trays or bins, door shelves, and not less than 2 ice cube trays; reversible doors; adjustable rollers.
   1. Capacity: Minimum values, measured according to ANSI B38.1 and certified by AHAM:
      a. Total volume: 17.0 cubic feet
      b. Refrigerator volume: 14.0 cubic feet
      c. Total shelf area: 25.0 square feet
   2. Energy Consumption: Measured and certified at not more than 150 kWh/month under average conditions.
   3. Accessories/Options: Provide refrigerator/freezers with the following additional features:
      a. Automatic icemaker
      b. Adjustable tempered glass shelves in refrigerator
      c. Porcelain enamel interior lining.

2.03 DISHWASHER

A. Built-In Type: Undercounter automatic unit sized to replace 24 inch base cabinet; porcelain enamel interior and sound-absorbing exterior insulation; full-extension upper and lower racks and removable silverware basket; not less than two wash cycles with not less than two wash levels and food pulverizer; energy saving drying cycle; operable at water pressures from 20 to 130 psi and requiring not more than 12.0 gallons of water for normal wash cycle. Energy Star Complaint.

1. Accessories/Options: Provide automatic dishwashers with the following additional features:
   a. Extra hot wash temperature selection.
   b. Push button controls.

c. Adjustable upper rack.
d. Automatic rinsing aid dispenser.

2. Finish: Provide the following finish for door front and lower access panel:
a. Manufacturer's standard
Brushed chrome

3. Manufacturer: Subject to compliance with requirements, provide products of the following:
a. Kitchen Aid Div.; Hobart or approved equal.

2.04 FOOD WASTE DISPOSER

A. Continuous Feed Type: 1/2 horsepower motor, 1725 rpm, overload protection, wall-switch operated; corrosion-resistant construction, with quick-mounting feature, stainless steel sink flange, cushioned suspension, and stainless steel grinding chamber; jam-resistant cutting/shredding mechanism featuring swivel-mounted impellers on turn-table, cast tool steel grinding ring, and cutlery steel undercutter blade; insulated housing for grinding chamber; antisplash guard and combination cover/stopper.
1. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
a. Frigidaire
b. General Electric
c. Kitchen Aid Div.; Hobart
d. Hotpoint
e. In-Sink-Erator Div.; Emerson Electric
f. Sears, Roebuck & Co.
g. Thermador/Waste King
h. Modern Maid; Raytheon Co.
i. White-Westinghouse

PART 3 EXECUTION

3.01 INSTALLATION

A. General: Comply with manufacturer's instructions and recommendations.

B. Built-In Equipment: Securely anchor units to supporting cabinetry or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and rough openings are completely concealed.

C. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate for proper operation of equipment.

D. Utilities: Refer to Divisions 15 and 16 for plumbing and electrical requirements.

3.02 ADJUST AND CLEAN

A. Testing: Test each item of residential equipment to verify proper operation. Make necessary adjustments.

B. Accessories: Verify that accessory items required have been furnished and installed.

C. Cleaning: Remove packing material from residential equipment items and leave units in clean condition, ready for operation.

END OF SECTION