

SECTION 11451 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Cooking equipment, including microwave ovens.

1.2 SUBMITTALS

- A. Product Data: For each appliance type required indicating compliance with requirements. Include complete operating and maintenance instructions for each appliance.
- B. Appliance Schedule: Submit schedule of appliances, using the same room designations shown on Drawings.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is an authorized representative of the residential appliance manufacturer for both installation and maintenance of appliances required for this Project.
- B. Source Limitations: Obtain residential appliances through one source from a single manufacturer.
 - 1. Provide products from the same manufacturer for each type of appliance required.
 - 2. To the greatest extent possible, provide appliances by a single manufacturer for entire Project.
- C. Product Options: Drawings indicate sizes, profiles, and dimensional requirements of residential appliances and are based on the specific types and models indicated. Other manufacturers' appliances with equal performance characteristics may be considered. Refer to Division 1 Section "Product Requirements."
- D. Electrical Appliances: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- E. UL and NEMA Compliance: Provide electrical components required as part of residential appliances that are listed and labeled by UL and that comply with applicable NEMA standards.
- F. Energy Ratings: Provide residential appliances that carry labels indicating energy-cost analysis (estimated annual operating costs) and efficiency information as required by the Federal Trade Commission.

1.4 DELIVERY

- A. Deliver appliances only after utility rough-in is complete and construction in the spaces to receive appliances is substantially complete and ready for installation.

1.5 WARRANTIES

- A. General Warranty: Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Special Warranties: Written warranties, executed by manufacturer of each appliance specified agreeing to repair or replace residential appliances or components that fail in materials or workmanship within specified warranty period.
 - 1. Microwave Oven: 10-year limited warranty for in-home service on defects in the magnetron tube.

PART 2 - PRODUCTS

2.1 PRODUCTS AND MANUFACTURERS

- A. Available Products: Subject to compliance with requirements, appliances that may be incorporated into the Work include, but are not limited to, those indicated in the following paragraphs of Part 2.

2.2 RESIDENTIAL APPLIANCES

- A. Microwave Oven: Listed by UL, and complying with the following requirements:
 - 1. Product: GE® 1.8 Cu. Ft. Countertop Microwave Oven
 - a. Model: JEB1860DMWW / Color: White
 - b. Dimensions: 23 7/8 x 13 9/16 inches.
 - 2. Type: Countertop, 1.8 cu. ft. capacity microwave oven with 1100 Watts.
 - a. Controls: Sensor Cooking controls
 - b. Clock Type: Digital
 - 3. Standard features include the following:
 - a. Automatic defrost
 - b. Child lockout feature
 - c. Instant On/Off
 - 4. Optional features include the following:
 - a. Turntable: On/Off.
- B. Refrigerator: UL Listed/Energy Star Appliance complying with the following requirements:
 - 1. Product: GE® Energy Star 21.0 Top-Freezer Refrigerator.
 - a. Model: GTH21KBXWW / Color: White
 - b. Dimensions: 32¾ x 21 x 20½ inches.
 - 2. Type: Top freezer Frost Free
 - a. Capacity: 6.1 cu. ft.
 - 3. Standard features:
 - a. Beverage feature wide slide-out can dispenser.
 - b. Defrost manual.
 - c. Freezer ice tray.
 - d. 4 split adjustable, spill-resistant shelves
 - e. 3 Fixed Fresh Food Door Bins (2 with Gallon storage)

- C. Dishwasher: UL Listed/Energy Star Appliance complying with the following requirements:
 - 1. Product: GE Spacemaker® 18" Built-In Dishwasher
 - a. Model: GSM1800NWW / Color: White.
 - b. Dimensions: 18 x 32½ x 22½ inches.
 - 2. Type: Built-In
 - 3. Standard features:
 - a. Turn-to-Start Front Controls
 - b. Cycle progress indicator
 - c. Lift-out water filtration system
 - d. No. of Cycles = 7
 - 4. Options:
 - a. Heater Dry On/Off
- D. Under Counter Refrigerator: Provide freestanding, under counter refrigerator. Auto defrost, tight seal to lock in freshness, adjustable temperature control.
 - 1. Capacity: Provide the following minimum values, measured according to ANSI/AHAM HRF-1 and certified by AHAM:
 - a. Total Volume: 5.7 cu. ft.
 - 2. Temperature Controls: Include dual knob/single thermostat.
 - 3. Color: Stainless Steel.
 - 4. Location: Conference 105
 - 5. Model #KURS24LSBS
 - 6. Quantity: 1

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine roughing-in for plumbing, mechanical, and electrical services, with Installer present, to verify actual locations of services before residential appliance installation.
 - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written instructions.
- B. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly operate equipment.
- C. Utilities: Refer to Divisions 15 and 16 for plumbing and electrical requirements.

3.3 ADJUSTING AND CLEANING

- A. Test each item of residential appliances to verify proper operation. Make necessary adjustments.
- B. Verify that accessories required have been furnished and installed.

- C. Remove packing material from residential appliances and leave units in clean condition, ready for operation.

END OF SECTION