

SECTION 113100 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Cooking appliances.
 - 2. Refrigeration appliances.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, dimensions, furnished accessories, and finishes for each appliance.
- B. Product Schedule: For appliances. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of appliance, from manufacturer.
- B. Field quality-control reports.
- C. Warranties: Sample of special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For each residential appliance to include in operation and maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer for installation and maintenance of units required for this Project.

B. Source Limitations: Obtain from single source and from single manufacturer.

1. To the greatest extent possible, provide appliances by a single manufacturer for entire Project.

C. Regulatory Requirements: Comply with the following:

1. NFPA: Provide electrical appliances listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

D. Accessibility: Where residential appliances are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1-2003.

1.7 WARRANTY

A. Special Warranties: Manufacturer's standard form in which manufacturer agrees to repair or replace residential appliances or components that fail in materials or workmanship within specified warranty period except as qualified below:

1. Warranty Period: Five years from date of Substantial Completion.

B. Refrigerator/Freezer, Sealed System: Five-year limited warranty for on-site service on the sealed refrigeration system.

PART 2 - PRODUCTS

2.1 Countertop Microwave

A. Convection/Microwave: Basis-of-Design, GE Model # PEB1590DMBB

1. Type: Countertop.
2. Dimensions:
 - a. Width: 22 5/8 inches (575 mm).
 - b. Depth: 19 7/8 inches (505 mm).
 - c. Height: 14 7/8 inches (378 mm)
3. Total Capacity: 1.5 cu. ft. (0.04 cu. m).
4. General Features:
 - a. Convection cooking.
 - b. Sensor cooking controls.
 - c. Microwave Watts (IEC-705): 1000.0
 - d. Power Levels: 10

5. Accessibility: ADA Compliant.
6. Finish:

- a. Color: Black.

2.2 REFRIGERATOR/FREEZERS

A. Top-Freezer Refrigerator: Basis-of-Design, GE Model #: GTH17DBDBB.

1. Type: Freestanding.
2. Dimensions:
 - a. Width: 28 inches (711 mm).
 - b. Depth: 31 inches (787 mm).
 - c. Height: 70 inches (1645 mm).
3. Storage Capacity:
 - a. Total Volume: 16.5 cu. ft. (0.47 cu. m).
 - b. Fresh Food Volume: 12.43 cu. ft. (0.35 cu. m).
 - c. Freezer Volume: 4.07 cu. ft. (0.12 cu. m).
 - d. Shelf Area: 21.1 sq. ft.
4. General Features:
 - a. Adjustable wire shelves.
 - b. Upfront temperature controls.
 - c. Wire freezer shelf.
5. Refrigerator Features:
 - a. Interior light in refrigeration compartment.
6. Freezer Features: One freezer compartment(s) with door.
 - a. Frost Free.
 - b. Interior light in freezer compartment.
 - c. Icemaker: Automatic, installed.
7. Energy Performance, ENERGY STAR: Provide appliances that qualify for the EPA/DOE ENERGY STAR product labeling program.
8. Accessibility: ADA Compliant.
9. Front Panel(s): Manufacturer's standard.
 - a. Panel Color: Black.
10. Appliance Color/Finish: Black.

2.3 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, power connections, and other conditions affecting installation and performance of residential appliances.
- B. Examine roughing-in for piping systems to verify actual locations of piping connections before appliance installation.
- C. Examine walls, ceilings, and roofs for suitable conditions where exhaust hoods will be installed.
- D. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- 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: See Divisions 22 and 26 for plumbing and electrical requirements.

3.3 FIELD QUALITY CONTROL

- A. Perform tests and inspections.
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.

B. Tests and Inspections:

1. Perform visual, mechanical, and electrical inspection and testing for each appliance according to manufacturers' written recommendations. Certify compliance with each manufacturer's appliance-performance parameters.
2. Leak Test: After installation, test for leaks. Repair leaks and retest until no leaks exist.
3. Operational Test: After installation, start units to confirm proper operation.
4. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and components.

C. An appliance will be considered defective if it does not pass tests and inspections.

D. Prepare test and inspection reports.

3.4 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain residential appliances.

END OF SECTION 113100

