

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.
 - 3. Cleaning appliances.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, dimensions, furnished accessories, and finishes for each appliance.
- B. LEED Submittals: None.
- C. Product Schedule: For appliances. Use same designations indicated on Drawings.
- D. Operation and Maintenance Data: For each residential appliance to include in operation and maintenance manuals.
- E. Warranties: Sample of special warranties.

1.4 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. 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.
- C. 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.

1.5 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.
- B. Electric Range: Limited warranty including parts and labor for first year and parts thereafter for on-site service on surface-burner elements.
 - 1. Warranty Period: Five years from date of Substantial Completion.
- C. Refrigerator/Freezer, Sealed System: Limited warranty including parts and labor for first year and parts thereafter for on-site service on the product.
 - 1. Warranty Period for Sealed Refrigeration System: Five years from date of Substantial Completion.
- D. Dishwasher: Limited warranty including parts and labor for first year and parts thereafter for on-site service on the product.
 - 1. Warranty Period for Deterioration of Tub and Metal Door Liner: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 BUILT IN WALL OVENS

- A. Basis-of-Design Product: KitchenAid 30" Electric Thermal Oven- Architect Series II, Model # KEBK101SSS. Finish: Stainless Steel

2.2 REFRIGERATOR/FREEZERS

- A. Refrigerator/Freezer:

Type 1: Basis-of-Design Product: General Electric 12.0 Cu. Ft. Top Freezer Refrigerator Model # GTR12HAX. Color: White

Type 2: Basis-of-Design Product: Frigidaire Commercial 19.53 Cu. Ft. Food Service Grade Refrigerator Model # FCRS201LF. Finish: Stainless Steel.

Type 3: Basis-of-Design Product: Sub Zero 15 Cu. Ft. Integrated All Freezer, Model #700TF Finish: Stainless Steel.

Type 4: Basis-of-Design Product: KitchenAid Under Counter Double Drawer Refrigerator – Architect Series II, Model #KDDC24RVS. Finish: Stainless Steel.

2.3 ICE MAKERS

- A. Basis-of-Design Product: KitchenAid Under Counter Ice Maker w/ Drop Down Door – Architect Series II. Model # KUIC18NNTS Finish: Stainless Steel

2.4 DISHWASHERS

- A. Basis-of-Design Product: Bosch Special Application 24" Dishwasher Model # SGV45E03UC. Finish: Stainless Steel.

2.5 MICROWAVE OVENS

- A. Basis-of-Design Product: General Electric Profile Series 1.0 Cu. Ft. Countertop Microwave Oven. Model #PEM31SM. Finish: Stainless Steel. Provide Hanging Kit #JXA019K at undercab locations shown on drawings.

2.6 GENERAL FINISH REQUIREMENTS

- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- D. 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. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written instructions.
- B. Built-in Equipment: Securely anchor units to supporting cabinets or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and that 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 to properly operate equipment.
- D. 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