

SECTION 113013 - 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. Weapons lockers – “Owner Furnished Contractor Installed”

- B. The Contractor shall furnish all equipment and materials, whether specifically mentioned herein or not, to ensure a complete and operating system. The NIC (Not in Contract) and OFCI (Owner furnished Contractor Installed) items and materials are specifically exempted from this requirement. The Contractor shall coordinate with “others” on their components when interfaced, or integrated, with other Trades, or Owner, marked in Contract Documents as NIC or CFE. The Contractor shall be responsible for installing and integrating this equipment as detailed herein.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.

- 1. Include installation details, material descriptions, dimensions of individual components, and finishes for each appliance.
- 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

- B. Product Schedule: For appliances.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer.
- B. Product Certificates: For each type of appliance.

- C. Field quality-control reports.
- D. Sample Warranties: For manufacturers' special warranties.

1.6 CLOSEOUT SUBMITTALS

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

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Maintains, within 50 miles (80 km) of Project site, a service center capable of providing training, parts, and emergency maintenance repairs.

1.8 WARRANTY

- A. Microwave Oven: Limited warranty, including parts and labor for first year and parts thereafter.
- B. Refrigerator, Sealed System: Limited warranty, including parts and labor.
 - 1. Warranty Period: One years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain residential appliances from single source.

2.2 OWNER FURNISHED CONTRACTOR INSTALLED EQUIPMENT

- A. Equipment provided by the Owner will be designed in the specification and equipment list as "Owner Furnished Contractor Installed" or "OFICI" on Architectural drawings in the equipment schedule.

2.3 PERFORMANCE REQUIREMENTS

- A. Electrical Appliances: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.4 MICROWAVE OVENS

- A. Microwave Oven E-1
 - 1. Manufacturer: GE Profile or equal.

2. Mounting: Countertop.
3. Type: Convection.
4. Dimensions:
 - a. Width: **24 inches (610 mm)**max.
 - b. Depth: **19-1/2 inches (495 mm)**.
 - c. Height: **14 inches (356 mm)** max.
5. Capacity: **1.5 cu. ft. (0.04 cu. m)**.
6. Oven Door: Door with observation window and push button.
7. Microwave Power Rating: 1100 Watts.
8. Electric Power Supply: 120 V, 60 Hz, 1 phase, 15 A.
9. Controls: Digital panel controls and timer display.
10. Other Features: Turntable.
11. Material: Stainless steel.

2.5 REFRIGERATOR

A. Refrigerator E-2: Single door refrigerator complying with AHAM HRF-1.

1. Frigidaire or equal.
2. Type: Freestanding.
3. Dimensions:
 - a. Width: **33 inches (838 mm)** max.
 - b. Depth: **27 inches (686 mm)** max.
 - c. Height: **72 inches (1829 mm)**.
4. Refrigerator Features:
 - a. Interior light in refrigeration compartment.
5. ENERGY STAR: Provide appliances that qualify for the EPA/DOE ENERGY STAR product-labeling program.
6. Appliance Color/Finish: Stainless steel.

2.6 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, areas, 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. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install appliances according to 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.

3.3 FIELD QUALITY CONTROL

- A. Perform the following 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. Operational Test: After installation, start units to confirm proper operation.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and components.
- B. An appliance will be considered defective if it does not pass tests and inspections.

END OF SECTION 113013