

**SECTION 113013
RESIDENTIAL APPLIANCES**

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Kitchen appliances.
- B. Laundry appliances.

1.02 RELATED REQUIREMENTS

- A. Section 221005 - Plumbing Piping: Plumbing connections for appliances.
- B. Section 260583 - Wiring Connections: Electrical connections for appliances.

1.03 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's data indicating dimensions, capacity, and operating features of each piece of residential equipment specified.
- C. Copies of Warranties: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.04 QUALITY ASSURANCE

- A. Electric Appliances: Listed and labeled by UL (DIR) and complying with NEMA Standards (National Electrical Manufacturers Association).
- B. Gas Appliances: Bearing design certification seal of American Gas Association (AGA).

1.05 WARRANTY

- A. See Section 017800 - Closeout Submittals, for additional warranty requirements.
- B. Provide five (5) year manufacturer warranty on refrigeration system of refrigerators.
- C. Provide ten (10) year manufacturer warranty on tub and door liner of dishwashers.

PART 2 PRODUCTS**2.01 KITCHEN APPLIANCES**

- A. Provide Equipment Eligible for Energy Star Rating: Energy Star Rated.
- B. Refrigerator: Free-standing, side-by-side, and frost-free.
 - 1. Capacity: Total minimum storage of 39.93 cubic ft (____ cu m); minimum 25 percent freezer capacity. For Kitchen 122 and 11.6 cubic ft for Break Room 105
 - 2. Energy Usage: Minimum 20 percent more energy efficient than energy efficiency standards set by U.S. Department of Energy (DOE).
 - 3. Features: Include light in freezer compartment and PE coated wire shelves.
 - 4. Exterior Finish: Stainless steel.
 - 5. Manufacturers:
 - a. Frigidaire Home Products; Basis of Design: FFHTSOSSA @ Breakroom 105: www.frigidaire.com/#sle.
 - b. GE Appliances: www.geappliances.com/#sle.
 - c. Whirlpool Corp: www.whirlpool.com/#sle.
 - d. Turbo Air: Basis of Design: M3RF45-2-N: www.Turboairinc.com @ Kitchen 122.
 - e. Substitutions: See Section 016000 - Product Requirements.
- C. Range: Natural gas, free-standing, with standard burners and removable drip pans.
 - 1. Size: 30 inches (762 mm) wide.
 - 2. Oven: Self-cleaning with electronic ignition.
 - 3. Burners: Four (4).
 - 4. Controls: Solid state electronic.

5. Features: Include automatic meat thermometer, storage drawer, oven door window, broiler pan and grid, and oven light.
 6. Exterior Finish: Stainless steel.
 7. Manufacturers:
 - a. Frigidaire Home Products: www.frigidaire.com/#sle.
 - b. GE Appliances: www.geappliances.com/#sle.
 - c. Whirlpool Corp: www.whirlpool.com/#sle.
 - d. Frigidaire Basis of Design: FCFG3062AS:.
 - e. Substitutions: See Section 016000 - Product Requirements.
- D. Cooking Exhaust, Type ____: Range hood.
1. Size: 30 inches (762 mm) wide.
 2. Fan: Two-speed, 500 cfm (236 L/s)
 3. Exhaust: Rectangular, vented to exterior.
 4. Features: Include cooktop light, night light, backdraft damper, removable grease filter, retractable visor, and retrofit ANSUL system Basis of Design: Kitchen Stop.
 5. Exterior Finish: Stainless steel.
 6. Manufacturers:
 - a. Frigidaire Home Products; ____: www.frigidaire.com/#sle.
 - b. GE Appliances; Basis of Design:JVX3300SJSS: www.geappliances.com/#sle.
 - c. Whirlpool Corp; ____: www.whirlpool.com/#sle.
 - d. Substitutions: See Section 016000 - Product Requirements.
- E. Waste Disposer: Standard type, overload protection, direct wired, dishwasher connection, drain elbow, drain connector, sound reduction features, and ____.
1. Power: 1/3 HP.
 2. Capacity: Large.
 3. Height: 14-1/2 inch (368 mm).
 4. Depth: 8-1/2 inch (216 mm).
 5. Controls: Wall switch.
 6. Voltage: 115 volts, 60 Hz, 4 amps.
 7. Sink Flange Kit: Stainless steel.
 8. Exterior Finish: Black.
 9. Manufacturers:
 - a. Frigidaire Home Products; ____: www.frigidaire.com/#sle.
 - b. GE Appliances; ____: www.geappliances.com/#sle.
 - c. Whirlpool Corp; ____: www.whirlpool.com/#sle.
- F. Dishwasher: Undercounter.
1. Controls: Solid state electronic.
 2. Wash Levels: Five.
 3. Cycles: Five (5), including: China/Crystal, Eco, High Temperature Wash, Quick Wash, Sanitize
 4. Features: Include 3rd Rack, Cycle Status, Filtered Water, Fingerprint Resistant, Hard Food Disposer, Hard Food Filter, Hidden Controls, Leak Sensor, Movable Tines.
 5. Finish: Stainless steel , color as indicated.
 6. Manufacturers:
 - a. Frigidaire Home Products; Basis of Design: PDSH4816B: www.frigidaire.com/#sle.

2.02 LAUNDRY APPLIANCES

- A. Provide Equipment Eligible for Energy Star Rating: Energy Star Rated.
- B. Clothes Washer: Front-loading.
1. Size: 3.1 cu. ft..
 2. Controls: Solid state electronic.
 3. Cycles: Include Colors, Delicates, Whites.

4. Motor Speed: Single-speed.
 5. Features: Include bleach dispenser, fabric softener dispenser, and end of cycle signal.
 6. Finish: Painted steel, color as indicated.
 7. Manufacturers:
 - a. GE Appliances: www.geappliances.com/#sle.
 - b. Whirlpool Corp; Basis of Design: CHW9160GW: www.whirlpool.com/#sle.
 - c. LG Electronics: www.lg.com.
 - d. Substitutions: See Section 016000 - Product Requirements.
- C. Clothes Dryer: Electric, stationary.
1. Size: 6.7 cu. ft..
 2. Controls: Solid state electronic, with timer dry control.
 3. Temperature Selections: Three.
 4. Cycles: Include COlors/Delicates. Cotton/Whites, Permanent Press.
 5. Features: Include interior light, reversible door, and end of cycle signal.
 6. Finish: Painted steel, color as indicated.
 7. Manufacturers:
 - a. GE Appliances; ____: www.geappliances.com/#sle.
 - b. Whirlpool Corp; Basis of Design: CED9160GW: www.whirlpool.com/#sle.
 - c. LG Electronics: www.lg.com.
 - d. Substitutions: See Section 016000 - Product Requirements.

2.03 ACCESSORIES

- A. Dryer Vent Assembly: Comply with ICC (IMC)-2021 and ICC (IRC)-2021.
1. Exhaust Duct: Aluminum ribbon, 4-inch (101.6 mm) diameter, comply with UL 2158A.
 - a. Elbows: 26-gauge, 0.018-inch (0.46 mm) aluminized steel; 45 degree angle, nonsectioned curve; 4-inch (101.6 mm) diameter.
 - b. Clamps: Stainless steel, 3-1/2 to 4-3/4-inch (88.9 mm to 120.65 mm) diameter range.
 2. Wall Termination: 26-gauge, 0.018-inch (0.46 mm) aluminized steel with rain drip edge, rubber magnetic bumpers, angled damper, and removable backing plate; 6-1/2 inches (165.1 mm) wide by 6.45 inches (163.83 mm) tall.
 3. Pest Protection Gate: 26-gauge, 0.018-inch (0.46 mm) zinc-coated steel, vertical bar gate, manufacturer's recommended size to fit termination.
 4. Finish for Exposed Metals: Color to match adjacent surface.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify utility rough-ins are provided and correctly located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

3.03 ADJUSTING

- A. Adjust equipment to provide efficient operation.

3.04 CLEANING

- A. Remove packing materials from equipment and properly discard.
- B. Wash and clean equipment.

END OF SECTION