

10800 - TOILET ACCESSORIES

PART I - GENERAL See DIVISION 1

- A. Provide and install toilet accessories.
- B. DIVISION 1 - GENERAL REQUIREMENTS
- C. Submit for approval samples, product data, accessory schedule.

PART II - PRODUCTS

- A. Units: Stainless steel fabrication with AISI No. 4 bright directional polish finish; Bobrick Washroom Equipment, Inc. or approved equal.
- B. Mounting:
  - 1. Surface Mounted.
  - 2. Semi-recessed.
- C. Types and quantities:
  - 1. Toilet tissue dispenser, double roll.
  - 2. Towel bars.

PART III - EXECUTION

- A. Restore damaged finishes and test for proper operation. Clean and protect from damage.

11450 - RESIDENTIAL EQUIPMENT

RESIDENTIAL APPLIANCES

PART 1 GENERAL

- 1.1 SECTION INCLUDES
  - A. Residential Appliances:
    - 1. Refrigeration.
    - 2. Cooking products.
    - 3. Microwave ovens.
    - 4. Dishwashers.
    - 6. Food waste disposers.
    - 7. Clothes care.
- 1.4 SUBMITTALS
  - A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
  - B. Product Data: Manufacturer's data sheets on each product to be used, including:
    - 1. Model number and selected options for each appliance.
    - 2. Preparation instructions and recommendations.
    - 3. Storage and handling requirements and recommendations.
    - 4. Installation methods.
    - 5. List of maintenance parts.
- 1.5 QUALITY ASSURANCE
  - A. Regulatory Requirements: Comply with referenced standards and the Americans with Disabilities Act as applicable for fixtures for the disabled.
  - B. Energy Rating: Provide appliances with the EPA Energy Star label where applicable.
  - C. Coordinate rough-in requirements with adjacent construction. Coordinate components and fittings to ensure compatible parts are installed.
- 1.6 DELIVERY, STORAGE, AND HANDLING
  - A. Store products in manufacturer's unopened packaging until ready for installation.
- 1.7 PROJECT CONDITIONS
  - A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- 1.8 WARRANTY
  - A. Provide manufacturer's standard written limited one-year warranty for each type of appliance specified.

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PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: GE Appliances, which is located at: 4000 Buechel Bank Rd., Louisville, KY 40225; Toll Free Tel: 800-626-2000; Email: request info (tyler.martin@ge.com ); Web: www.geappliances.com | www.geappliances.com/pro
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 REFRIGERATION

- A. Refrigerators and Freezers: As manufactured by GE Appliances, as determined by Owner.

2.3 COOKING PRODUCTS

- A. Built-In Ovens: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.
- C. Built-In Cooktops: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliance, as determined by Owner..
- E. Venting Systems: Models, standand accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.4 MICROWAVE OVENS

- A. Microwave Ovens: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.5 DISHWASHERS

- A. Dishwashers: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

2.6 CLOTHES CARE

- A. Clothes Care: Models, standard accessories/kits and custom accessories/kits as manufactured by GE Appliances, as determined by Owner.

PART 3 EXECUTION

- 3.1 EXAMINATION
    - A. Do not begin installation until substrates have been properly prepared. Coordinate rough-in with appliance sizes and utility requirements.
    - B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
  - 3.2 PREPARATION
    - A. Clean surfaces thoroughly prior to installation.
    - B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
  - 3.3 INSTALLATION
    - A. Assemble appliances and trim and install in accordance with manufacturer's instructions and the following:
      - 1. Securely mount to substrate.
      - 2. Install appliances plumb and level and in proper relationship to adjacent construction.
      - 3. Connect appliances to building utility, supply and waste systems as applicable.
      - 4. Test for proper operation and drainage. Adjust until proper operation is achieved.
  - 3.4 PROTECTION
    - A. Protect installed products until completion of project.
    - B. Touch-up, repair or replace damaged products before Substantial Completion.
- \*\* NOTE TO SPECIFIER \*\* Delete paragraph below if data sheets from the GE website are not attached.
- 3.5 APPLIANCE DATA SHEETS
- A. Refer to the manufacturer's data sheets as attached to this Section for required features and additional requirements.

DIVISION 15 - MECHANICAL

15400 - PLUMBING (coordinate with Plumbing Drawings)

PART I - GENERAL and drawings) See DIVISION 1

- A. Provide plumbing systems including supply, waste and vent systems for:
  - 1. Bath and toilet rooms.
  - 2. Kitchen.
  - 3. Utility room.
  - 4. Water heaters.
  - 5. Floor drains.
  - 6. Access panels.
- B. DIVISION 1 - GENERAL REQUIREMENTS
- C. Coordinate with Owner's room uses to provide adequate system for all contract areas.
- D. Coordinate location of plumbing systems to avoid interference with location of structure and other building systems. Notify Owner prior to construction of conflicts which cannot be resolved.
- E. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for plumbing work. Site conditions shall determine the actual arrangement of runs, bends, offsets, and similar items. Take field measurements before fabrication. Be responsible for accuracy of dimensions and layout. Overhead piping shall be laid out to obtain maximum head room.

PART II - PRODUCTS (coord. w/ plumbing notes & dwgs.)

- A. Provide plumbing systems' components and all required accessories including shut-offs and clean-outs. Provide components which prevent back-siphonage or cross connections.
- B. Sanitary, waste and vent piping: Schedule 40 A.B.S. to street. Sewage disposal: Public; House drain (inside): Schedule 40 A.B.S.
- C. Hot and cold water piping: Supply lines under slab shall be type "L" seamless hard drawn copper tubing assembled with solder fittings. Lines above slab shall be type "M" support piping with grade to drain to drainoff cocks. Service from meter to house shall be 3/4" (unless utility co. requires otherwise) copper.
- D. Water supply: Public. 1" (one inch) copper.
- E. Water Meter size: 3/4" (three quarter inch).
- F. Hangers: For water piping, provide adjustable wrought iron copper plated hangers at 6' intervals maximum. Provide hangers to allow for full thickness of insulation.
- G. Covering and insulation (Owner's option): For domestic hot water piping provide 1/2" flexible foamed tubing by Owens Corning or Armstrong 1/2" Armatflex or approved equal. Seal joints vapor tight. Insulate valves and fittings including water service piping with equal thickness of pipe insulation. Provide 18 gauge protection saddles between insulation and pipe hangers. comply with fire hazard regulations. For water piping, provide adjustable wrought iron copper plated hangers at 6' intervals maximum. Provide hangers to allow for full thickness of insulation.
- H. Valves and shut-offs: Full size bronze gate valves for hot and cold water branches. provide drainage valves. Provide units by Hammond, Jenkins, Nibco or approved equal.
- I. Hose bibbs: Anti-siphon hose bibbs by Woodford or approved equal.
- J. Floor drains and cleanouts: Units with bronze strainer and copper flashing by Zurn or approved equal.
- K. Provide pressure reducing valve if required by local jurisdiction.
- L. Domestic water mixing valve: N/A.
- M. Water heater: (1) Domestic gas water heaters, quick recovery 100 degree rise, 100 gallon capacity. Glass lined storage type for utility service at site. Provide baked enamel steel jacket, fiberglass insulation, and UL flame retention burner; 10 year warranty.
- N. Access panels: Metal units with locks by Karp, Milcor, Nystrom, or approved equal. Configuration and trim as required by finish wall surface or trimmed wood panel may be acceptable with Owner's approval.
- O. Plumbing Fixtures: (coordinate with plumbing schedules)
- P. Gas piping to furnaces, water heater(s), and fireplace(s), and connection to meter: Carbon , Schedule 40 black steel pipe, ASTM A 53, Grade A.
- Q. Provide pressure regulator at water main shut-off valve, with copper ground from electrical service attached each side of regulator.

PART III - EXECUTION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code requirements.
- B. Support piping properly. Pitch to drain points. Install with pipe expansion loops, mechanical expansion joints, and anchors.
- C. Install shut-off valves on each piece of equipment on both hot and cold water supply.
- D. Clearly label all valves and components.
- E. Sterilize water distribution system. Flush and test all systems for proper operation. Adjust system to prevent water hammer.
- F. Install gas piping in accordance with local gas utility company regulations and specifications.
- G. Restore damaged finishes. Clean and protect work from damage.
- H. Instruct Owner in proper operation of systems.
- I. Install steam room equipment (if applicable) per manufacturer's requirements and instructions.

15500 - HEATING, VENTILATING, & AIR CONDITIONING

(coordinate with mechanical drawings and notes)

PART I - GENERAL See DIVISION 1

- A. Provide and install mechanical systems including:
  - 1. Ventilating system including fans, sheet metal work, registers, grilles and diffusers.
  - 2. Exhaust system for kitchen, kitchenettes, wet bar, and laundry equipment.
  - 3. Air conditioning system (optional-verify w/ Owner).
  - 4. Piping distribution system and insulation.
  - 5. Temperature controls.
  - 6. Testing, adjusting and balancing.
- B. Coordinate with Owner's room uses to provide adequate system for all contract areas.
- C. Coordinate location of mechanical systems to avoid interference with location of other systems. Notify Owner prior to construction of conflicts which cannot be resolved.
- D. DIVISION 1 - GENERAL REQUIREMENTS.
- E. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for mechanical work. Be responsible for accuracy of dimensions and layout. Overhead ductwork shall be laid out to obtain maximum head room.

PART II - PRODUCTS (coord. w/ mech. dwgs. & sched's)

- A. Valves: Provide valves required by service intended including gate, globe, check, and ball valves. Provide valves by Kennedy, Crane, Nibco, or approved equal.
- B. Hangers and supports: Comply with ANSI B31.1.
- C. Convectors: Copper tubes with aluminum fins, 16 gauge steel front and top panels by Trane, Airtherm or approved equal.
- D. Sheet metal work and accessories: Comply with "SMACNA Duct Manual and Sheet Metal Construction for Ventilating and Air Conditioning Systems".
- E. Fans and air handling units:
  - 1. (1) 80% or 90% efficient furnaces (Owner's option) designed for service intended by Carrier, Trane, Payne or approved equal.
  - 2. Air conditioning system (Owner's option).
- F. Fan coil units: 22 gauge galvanized steel with seamless copper tube and aluminum fin coil by Trane, Carrier, Airtherm or approved equal.
- G. Grilles and registers: Units with approved face and frame design, gaskets, and baked enamel finish by Agitair, Titus or approved equal.
- H. Controls: Automatic temperature control system with thermostats as required, by Honeywell, Johnson Controls or approved equal.
- I. Mechanical subcontractor shall provide ducting of all exhaust fans, range hoods and dryer vents to exterior (flex ducting allowable only for bath exhausts).
- J. Mechanical subcontractor shall size furnace and all plenums, ducts, registers, vents, flues, etc.
- K. Provide (2) combustion air vents to (each) furnace; (1) no lower than 12" below ceiling, and (1) no higher than 12" above floor.

PART III - EXECUTION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code requirements.
- B. Install ductwork in accordance with SMACNA recommendations. Seal duct seams with sealer. Provide splitters and balancing dampers. Provide fire dampers and automatic smoke and fire dampers where required. Provide flexible connectors and inlet and discharge connections. Clean before testing and balancing.
- C. Clearly label and tag all components.
- D. Test and balance all systems for proper operation.
- E. Restore damaged finishes. Clean & protect work from damage.
- F. Instruct Owner in proper operation of systems.

DIVISION 16 - ELECTRICAL

16000 - ELECTRICAL (coord. w/ elec. dwgs. & notes)

PART I - GENERAL See DIVISION 1

- A. Provide electrical systems including:
  - 1. Power.
  - 2. Lighting.
  - 3. Cable TV System (optional)
  - 4. Telephone.
  - 5. Security System (coordinate w/ Owner).
  - 6. Smoke Detectors.
- B. DIVISION 1 - GENERAL REQUIREMENTS
- C. Include primary service, transformers, distribution center, grounding, power and lighting panels, wiring, outlet boxes, receptacles, lighting fixtures, switches, conduits, and raceways and all accessories.
- D. Provide telephone and data outlets with cutout, box and pull string only.
- E. Service panel shall be 200 amp, and shall comply with NEC 110-16.
- F. Coordinate with Owner's room uses to provide adequate system for all contract areas.
- G. Coordinate location of ductwork and to avoid interference with location of designated lighting fixture locations. Notify Owner prior to construction of conflicts which cannot be resolved.
- H. Coordinate schedule of telephone outlet completion with Owner's communications requirements and installer as applicable.
- I. Arrangement of systems indicated on the drawings is diagrammatic, and indicates the minimum requirements for electrical work. Site conditions shall determine the actual arrangement of conduits, boxes, and similar items. Take field measurements before fabrication. Be responsible for accuracy of dimensions and layout.
- J. Comply with the National Electrical Code and applicable local regulations.

PART II - PRODUCTS (coord. w/ elec. drawings & notes)

- A. Conduit: At service panel only.
- B. Exposed metal raceways: N/A.
- C. Boxes: Plastic or metal.
- D. Conductors and wiring: Romex or equal.
- E. Wiring devices: Receptacles, lighting switches, ground fault receptacles, dimmers, and coverplates as required. Color: Standard almond.
- F. All electrical outlets in firewall at garage shall be GFCI in metal boxes.

PART III - EXECUTION

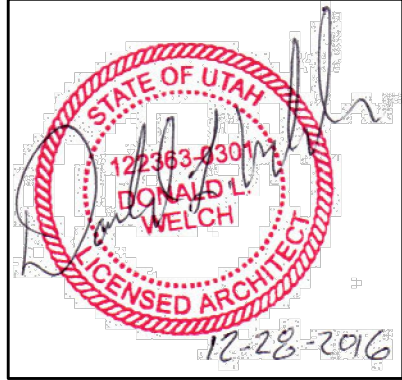
- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials in proper relation with adjacent construction and with uniform appearance for exposed work. Coordinate with work of other sections. Comply with applicable regulations and building code requirements.
- B. Comply with National Electrical Code and building code requirements. Maintain continuity of circuits required to supply new equipment in service.
- C. Test all systems for proper operation. Restore damaged finishes. Clean and protect work from damage.
- D. Smoke detectors shall comply with UBC 43-6; shall be wired in series, and shall be placed a minimum of 36" from nearest duct opening and within 12" of ceiling.
- E. Provide ground fault interruptor (GFI) circuits to all exterior outlets and all interior outlets within 72" of water source.
- F. Service grounding shall be a minimum of (20) linear feet of #4 copper conductor, placed in footing with a minimum clearance of 2".
- G. Interior metal water piping shall be grounded by electrically continuous bonding with a minimum #4 copper conductor connected to the grounding electrode conductor at the service panel. Bridge over pressure reducing valve (if installed).
- H. Electrician shall pre-wire for blower unit at all fireplace locations and pushbutton control(s) for automatic garage door opener(s).

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consultant:



project:

Tenant Finish  
for  
Brighton Recovery  
Campus  
4905, 4911, 4915, 4925,  
4931, 4953 South 900 East  
Salt Lake County, Utah

date

DECEMBER 28, 2016

revisions

- JANUARY 3, 2017  
SECOND SUBMITTAL FOR  
EACH SEPERATE BUILDING PARCEL
- JANUARY 6, 2017  
ADDENDUM #2-BUILDING 'C'
- JANUARY 17, 2017  
ADDENDUM #4-BUILDING 'B'
- FEBRUARY 24, 2017  
ADDENDUM #7-BUILDING 'A'
- BUILDING 'F', 'B', 'C', 'D', 'E'
- MARCH 20, 2017  
ADDENDUM #8-BUILDING 'A'
- BUILDING 'F'

data

project no:  
drawn by:  
checked by:  
title

SPECIFICATIONS

sheet

A0 4