

FOOD SERVICE EQUIPMENT AND FIXTURES**PART ONE: GENERAL****1.1 Description**

1.1.1 Work of this Section, as shown or specified, shall be provided by the Interior Contractor and shall be in accordance with the requirements of the Contract Documents.

1.1.2 Work includes all labor, materials, equipment, accessories and appliances required to furnish and install food service equipment as indicated on the drawings and herein specified.

1.1.3 Related work in other Sections:

- a. Section 06200 - Finish Carpentry.
- b. Section 06410 - Millwork.
- c. Section 12302 - Casework.

1.1.4 Interior Contractor shall provide cutting of holes in equipment or fixtures for pipes and drains as required for their installation.

1.1.5 Interior Contractor shall provide adequate raceways and accesses in fixtures for the plumbing lines and for Electrical Contractor to install his work. Where there is neglect by the Interior Contractor to provide for such space, he shall make the necessary revisions/repairs to the work without expense to the Owner. Cutting and patching required by such work shall be reworked to its original finish.

1.1.6 Interior Contractor shall provide and locate outlet boxes, receptacles, device plates, switches, junction boxes, where they are a part of the fixture and indicated on equipment electrical layout sheets. All other electrical work shall be furnished and installed by the Electrical Contractor, including installation of conduits

in fixtures, connection to boxes, and the wiring of electrical outlets and equipment.

1.1.7 The drawings indicate the desired basic arrangement and dimensions of the equipment; minor deviations therefrom may be substituted for approval according to Section 01640, and provided basic requirements are met and no major rearrangements of services to the equipment are required to affect the proposed alteration, such deviations shall be made without expense to Owner.

1.1.8 The Interior Contractor shall be responsible for the satisfactory operation of the assembled equipment. Tests of the installed equipment shall be required. Defects or deficiencies noted as a result of tests shall be corrected to the entire satisfaction of the Owner and/or his agent at the expense of the Interior Contractor. The Interior Contractor shall consult the mechanical and electrical drawings and their accompanying specifications to determine additional requirements of the work, and shall cooperate with all trades to insure a completely satisfactory installation.

1.1.9 Required voltages, cycles and phase and electrical requirements shall be checked before ordering equipment.

1.2 SUBMITTALS

1.2.1 All submittals shall be made according to Section 01300 and as described herein.

1.2.2 Submit the following for each item:

- a. The Interior Contractor shall submit for approval two (2) copies of 1/4" (6 mm) scale plans showing location of all plumbing, electrical, steam connections, refrigeration lines and curbs with elevations and sections of all special equipment for use of the respective trades. The Interior Contractor shall be responsible for the accuracy of the outlets in the building in connection with his work. One

copy with approved corrections shall be returned to the Interior Contractor who shall revise such drawings and re-submit two (2) additional copies for final approval.

- b. The Interior Contractor shall submit two (2) copies for approval of 3/4" (20 mm) scale shop drawings covering all items of work included; detail drawings shall show all dimensions and all details of construction installation and the relation to adjoining and related work; all reinforcements, anchorages and other work required for complete installation. One copy with approval or corrections shall be returned to the Interior Contractor who shall revise such drawings and resubmit two (2) additional copies for final approval. (Scale: 3/4" (20 mm) and larger, as required.) Shop drawing blueprints shall not be larger than 30" x 42" (760 x 1060 mm).

1.2.3 After final approval Interior Contractor shall print and distribute four (4) copies of shop drawings to other interested parties, or as directed by the Consultant.

1.2.4 Approval of such drawings shall not relieve the Interior Contractor from responsibility for any deviations from the drawings and specifications, unless such deviations are approved in writing by the Owner or his agent.

1.3 Work Not Included

1.3.1 Plumbing and electrical trims, including stainless steel cover plates for outlets and pull boxes, and connections shall be furnished by the respective trades involved, unless otherwise specified.

1.3.2 Connections to the mechanical and electrical services are specified under the General Contractor specifications and shall not be considered as part of the work of this section, unless specifically indicated otherwise on drawings or specifications.

1.4 Quality Assurance

- 1.4.1 All Food Service Equipment and Fixtures shall be provided and installed using experienced, skilled workmen to the highest standard of workmanship and shall be free of any defects due to faulty workmanship.
- 1.4.2 All work and materials shall conform to the drawings and specifications; any changes or deviations in materials or methods must be approved by the Consultant.
- 1.4.3 Food Service Equipment and Fixtures shall meet requirements of local and state codes where applicable. Comply with all laws, ordinances, rules and regulations and orders of any public authority having jurisdiction over this part of the Work.
- 1.4.4 The Interior Contractor shall be responsible for taking accurate job-site measurements for all dimensions related to the Work.
- 1.4.5 The Interior Contractor shall examine all conditions pertaining to the installation of Food Service Equipment and Fixtures and shall provide all coordination as required to achieve the proper and timely completion of the installation.
- 1.4.6 The Interior Contractor will not change brands of materials during the course of the work unless approved by the Consultant.

PART TWO: PRODUCTS

2.1 Equipment

- 2.1.1 All equipment and fixtures shall be provided as indicated on drawings and specifications and as described herein.
- 2.1.2 All electrically operated or heated equipment shall be in full accordance with and will conform to the latest standard of the National Board of Fire Underwriters, National Electrical Manufacturer's

Association and Underwriters Laboratories, Inc. where applicable standards have been set up by that agency and are acceptable to authorities having jurisdiction.

- 2.1.3 All steam-heated equipment shall be manufactured in accordance with A.S.M.E. code requirements and shall carry the A.S.M.E. stamp.
- 2.1.4 All gas heated equipment shall conform to American Gas Association. All burners shall be equipped with automatic lighters and automatic safety pilots.
- 2.1.5 Dishwashing machines, food service equipment, electric commercial cooking and warming equipment and soda fountain equipment shall conform to standards of the National Sanitation Foundation, Ann Arbor, Michigan, standards.
- 2.1.6 Motor starters shall be provided as an integral part of the equipment in an accessible location, or for mounting in an approved location on or adjacent to the equipment. The starters shall be connected to the motors and other controlled parts on the equipment as an obligation under this Section. Starters shall be for across-the-line start with thermal overload protection. Push button stations shall be mounted in the starter covers, except where otherwise indicated.
- 2.1.7 "Cord and plug" shall mean a sufficient length (from item to receptacle) of grease resistant insulated cord with cap of sufficient size and capacity to carry the connected load. Plug shall match receptacles.
- 2.1.8 Receptacles for conveniences shall be 3-wire "U" slot grounding type capable of receiving 2 prong plug or 3 prong polarized plug. Power receptacles shall be single outlet, 3-wire "V" slot type grounded, rated not less than connected load.
- 2.1.9 Interior Contractor to verify all pertinent data with Owner before ordering following items:

- a. Chinaware and Glassware dispensers.
- b. Dishwashing Racks (Glassware and Chinaware).

2.1.10 Interior Contractor to verify the exact voltage and phase to be used prior to ordering any equipment.

PART THREE: EXECUTION

3.1 Delivery and Storage

3.1.1 The equipment and fixtures shall be delivered and installed on schedule.

3.1.2 The Interior Contractor shall submit to the Consultants within five (5) days of execution of contract, a Progress Schedule, showing the order of expected progress of the job with the expected starting and completion dates of the various parts of the job.

3.1.3 Insofar as possible, work shall be fabricated and finished in the shop and delivered complete to the jobsite ready to set in place.

3.1.4 Follow manufacturers' recommendations for all handling and storage of equipment.

3.2 Installation

3.2.1 Manufacturer's directions shall be followed in all cases where manufacturers of articles used in this contract furnish directions or prints covering points not shown on the drawings or specifications.

3.2.2 Installation of equipment shall be in strict accordance with manufacturer's approved shop and installation drawings.

3.2.3 State and local health regulations and ordinances and minimum standards of the National Sanitation Foundation Standards Nos. 1, 2, 3, and 4 shall be fully adhered to and other additional requirements which might develop shall be included to insure a complete sanitary

installation.

- 3.2.4 All equipment and fixtures installed on concrete curbs and equipment against walls shall be sealed off with mastic approved by the Health department to prevent vermin harborage.
- 3.2.5 Interior Contractor shall provide a competent representative to be present when installation is complete and ready to put into operation, and to instruct Owner's employees in the proper use and maintenance of items and to set up a maintenance schedule.
- 3.2.6 Repair damage done to the premises as a result of installation of equipment and fixtures.
- 3.2.7 During and upon completion of work, remove excess materials, rubbish, and debris from site. Fixtures and equipment shall be wiped clean and floors swept broom clean.

END OF SECTION