
 * INCH-POUND *

 A-A-50550
 July 7, 1995

COMMERCIAL ITEM DESCRIPTION

KITCHEN CENTER UNIT - QUICK CONNECT SYSTEM: TO INCLUDE
 KITCHENETTE-SINK, COUNTERTOP/CABINET, UNDERCOUNTER,
 REFRIGERATOR, MICROWAVE OVEN, AND BURNER COOKTOPS;

The General Services Administration has authorized the use of this commercial item description by all federal agencies.

1. SCOPE. This CID covers kitchen units which includes: casework, cabinet, countertops, undercounter, refrigerator, microwave oven, and burner cooktops.

The kitchen center unit is intended to give residential style and appearance.

The unit includes manufactured quick connect/disconnect system to provide for easy access to plumbing valves, waste, and electrical supply that will allow for the quick and cost-efficient installation or removal of a kitchen center unit on an "as-needed" basis.

2. SALIENT CHARACTERISTICS.

2.1 Description. The kitchen center unit shall include all of the following components: countertop, sink/faucet, electric cooktop, refrigerator/freezer, microwave oven, hood/fan & light, closing lid, drawer, cutting board, cabinetry and hardware, and when specified (see 2.8 & 6.1.2) automatic fire suppression system. The kitchen center unit shall be listed by the Underwriters Laboratory (U.L.) as a one-piece, refrigerated kitchen unit.

2.2 Countertop. The Countertop shall be made of a thick homogeneous nonporous material, with the color molded throughout. It shall have an integral debossed drain board that will drain toward sink. The countertop shall meet the impact resistance, stain resistance, high temperature resistance, tensile strength, and panel flame spread in accordance with applicable non-government standards.

2.3 Sink/Faucet. The sink shall be of the undermount type, with an acid resistant vitreous bowl having a porcelain finish on 18 gauge steel. The interior bowl shall have a minimum dimensions of 11 inch (279.4 mm) in width by 15 inch (381 mm) in length and 6 1/2 inch (165.1 mm) in depth. The sink shall have a 3 1/2 inch (88.9 mm) drain with a cup strainer, and be equipped with a cold/hot chrome faucet.

<p>Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer (Code 156), Naval Construction Battalion Center, 1000 23rd Avenue, Port Hueneme, CA 93043-4301, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.</p>

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

A-A-50550

2.4 Electric cooktop. The cooktop shall consist of a porcelain finish deckplate (over 16 gauge steel) with 2 drop-in burners with removable chrome reflector bowls; an "on" warning indicator light, and infinite heat selection switches. The unit shall have matching 6 inch (152.4 mm) surface elements (rated at not less 1500 watts @ 115V AC, 2500 watts @ 208V AC or 2500 watts @ 230V AC). The burners shall be wired to an internal junction box within the kitchen center. Cooktop shall meet applicable non-government standards for household electric ranges/cooktops.

2.5 Refrigerator/Freezer. The refrigerator/freezer shall have a 5.5 cubic foot (0.1557m³) capacity, with a one-piece ABS plastic inner liner, chrome wire shelving, an interior light, 25 lb (11.334 Kg) frozen food storage capacity, automatic cold control with 5 settings, and a magnetic door seal. The unit shall have 1/10 HP motor compressor, and shall have commercially available non-CFC foamed-in place insulation, including refrigerator door. The refrigerator/freezer shall be an integral part of the kitchen assembly unit with zero clearance, recessed installation.

2.6 Microwave oven. The microwave oven shall be 0.6 cubic foot (0.0169m³) capacity with 600 watts of cooking power, 10 power levels, an electronic temperature probe, removable glass tray, defrost cycle, interior light, clock, and black glass door. The unit shall have a U.L. listing and F.C.C. approved rating.

2.7 Hood/Fan & Light. The hood/fan shall be a 24 inch (609.6 mm) wide, ductless type unit. It shall be a flush mounted installation, with a 2-speed fan control and built-in light.

2.8 Fire suppression system. When specified (see 1.2 & 5.2), the fire suppression system shall automatically detect, extinguish, and prevent re-ignition of a residential kitchen range/cooktop grease or oil fire, while simultaneously shutting off the electric supply to the kitchen appliance by sounding an audible alarm. The range/cooktop hood fire extinguishing system shall be automatic, self-contained, pre-engineered, and pre-assembled for residential kitchen range/cooktop applications. The system shall be U.L. listed.

2.9 Closing lid. The kitchen center unit shall include a closing lid that will conceal the sink and cooktop when not in use. The closing lid shall have an automatic cut-off switch to eliminate power to the burners when the lid is closed. The system shall be U.L. listed.

2.10 Drawer. The kitchen center unit shall have a cutlery drawer mounted on slide-out metal glides with steel ball bearings having a 50 pound (22.679 Kg) minimum load capacity.

2.11 Cutting Board. The kitchen center unit shall have a pull-out cutting board with birch work surface.

2.12 Cabinetry. Cabinet shall be constructed to allow for free-standing installation with upper cabinet fabricated as an integral part of the kitchen center unit. Cabinet sides shall extend from floor to top of unit. All wood shall be kiln dried to a moisture content of 5 to 8 percent (%). Hardwood cabinet frame such as end panel, toekick, apron, and base platform shall be

A-A-50550

constructed of birch, ash or oak veneers over 5-ply lumber-core plywood or 45 lb (20.412 Kg) density industrial grade particleboard. Drawer sides and backs shall be solid hardwood or minimum 7-ply all hardwood veneer plywood with no voids. Drawer sides and backs shall have a sealed lacquer finish. Drawer bottoms shall be tempered hardwood with a neutral colored melamine top. Laminate cabinet frame shall be constructed of high-pressure decorative laminate (HPDL), General Purpose Grade 0.050 inch (1.27 mm) thick bonded to exterior grade plywood with urea resin under 8 pound-force per square inch (psi) (55.158k Pa). All joints shall be routed, glued and mechanically fastened.

2.12.1 Traditional style. Cabinet doors shall be 3/4 inch (19.05 mm) thick solid birch, ash or oak stiles and rails joined at the corners with tongue-and-groove joints and bonded with adhesive. The raised center panel shall be solid hardwood and retained by a groove machined in the frame. Finish shall be Frosted Oak, Light Oak, Medium Oak or Mahogany.

2.12.2 Transitional style. Cabinet doors shall be cut from single mill sheet of birch, ash or oak hardwood veneer over 45 lb (20.412 Kg) industrial grade particleboard with machine finished edges in matching hardwood material. Finish shall be Frosted Oak, Light Oak, Medium Oak or Mahogany.

2.12.3 Contemporary style. Cabinet doors shall be General Purpose Grade 0.050 inch (1.27 mm) thick HPDL bonded to industrial grade particleboard on all exposed exterior surfaces with interiors finished in HPDL cabinet liner material. Standard trim on all doors (including refrigerator) shall consists of solid oak, continuous finger pulls with matching trim at base of apron and bottom of doors. Standard finish shall be White/Oak Trim, Almond/Oak Trim or Europrint/Oak Trim.

2.12.4 Furniture finish. Furniture finish shall consist of staining, sealing and two alcohol proof catalytic lacquers applied with hand sanding between each process.

2.13 Hardware. Cabinet doors (excluding refrigerator) shall be mounted with fully concealed, self closing, fully adjustable European style hinges with 100 degree minimum door swing and 3/16 inch (4.763 mm) bumpers. All exposed metal hardware shall be brass plated; the finish shall compliment the wood finish.

2.14 Quick connect system unit. The system unit shall include unit frame, housing, door and removable electrical access panel consisting of 18 gauge, cold rolled sheet (CRS) steel welded and reinforced. Unit door shall be mounted with continuous steel piano hinge having 180o door swing. All plumbing and electric access holes shall have removable plugs for both temporary and permanent installation. The unit shall allow for field installation in either a right or left hand application to provide for easy access to plumbing valves, waste and electrical supply. The system unit shall accept standard plumbing and electrical fittings. It shall be U.L. listed for the specific intended installation. Finish shall be electrostatically applied baked-on white enamel. All materials shall conform to ASTM A366 and ASTM A480. The quick connect system unit shall be of a design, material and workmanship to meet standard room finish schedules. The unit shall be designed for flush installation.

A-A-50550

3. REGULATORY REQUIREMENTS.

3.1 Contractor recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. QUALITY ASSURANCE.

4.1 Workmanship. All equipment shall be new and free from defects affecting safety, appearance and durability.

4.2 Contractor certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics of this CID and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices, and is the same products offered for sale in the commercial marketplace, or is the same product that has successfully been delivered to the Government on a previous contract or purchase order. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

4.3 Warranty. Unless otherwise specified (see 6.1.3), entire quick connect system housing unit shall carry a ten-year parts warranty against defects in material and workmanship. If any item found defective, as determined by the Contracting Officer, the item shall be replaced at no additional cost to the Government.

4.4 Commercial manual. Unless otherwise specified (see 6.1.4), a commercial off-the-shelf manual with parts list shall be provided for each kitchen center units.

4.5 Inch-pound products. Products manufactured to inch-pound dimensions will be considered on an equal basis with those manufactured using metric units, provided they fall within +3 percent of the conversion tables contained in the latest revision of ASTM E 380, and all other requirements of this CID are met.

5. PACKAGING. Unless otherwise specified (see 6.1.5) in the contract or order, the preservation, packing, and marking shall be in accordance with ASTM D 3951.

6. NOTES.

6.1. Acquisition requirements. Acquisition document should specify the following:

6.1.1 Title, number, and date of this CID.

6.1.2 When fire suppression system shall be required for use in unsprinkled area (see 2.1 & 2.8).

6.1.3 When parts warranty is to be other than as specified (see 4.3).

6.1.4 When commercial manual shall be provided (see 4.4).

A-A-50550

6.1.5 When packaging and marking are to be other than as specified (see 5).

6.2 Document sources.

6.2.1 ASTM Standards are available from ASTM, 1916 Race Street, Philadelphia, PA 19103.

6.2.2 UL Standards are available from the Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, IL 60062.

6.2.3 The Code of Federal Regulations (CFR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

MILITARY INTERESTS:

Custodian
Army - GL
Navy - YD1
Air Force - 99

Review Activity:
DLA - GS

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Navy - YD1

(Project 7360-0176)