SECTION 113200 - UNIT KITCHENS

Revise this Section by deleting and inserting text to meet Project-specific requirements.

1. GENERAL
	* + 1. RELATED DOCUMENTS
				1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
			2. SUMMARY
				1. Section includes factory-fabricated and -assembled unit kitchens with **[laminate-clad wood] [metal]** cabinets, countertops, fixtures, appliances, and accessories.
				2. Related Requirements:

Retain subparagraphs below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.

Section 113013 "Residential Appliances" for standard-manufactured residential kitchen appliances.

Section 224100 "Residential Plumbing Fixtures" for kitchen sinks, **[waste disposers] [and] [instant-hot-water dispensers]** furnished as plumbing fixtures.

**[Section 231123 "Facility Natural-Gas Piping"] [Section 231126 "Facility Liquefied-Petroleum Gas Piping"]** for gas connections to unit kitchen appliances.

Section 233113 "Metal Ducts" for ducted extensions and fans for **[exhaust hoods] [and] [range hoods]** of unit kitchens.

If alternates or allowances apply to Work of this Section, insert paragraphs here to alert Contractor and reference appropriate Division 01 Sections for specific details

* + - 1. SUBMITTALS
				1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
				2. Manufacturer’s installation instructions shall be provided along with product data.
				3. Submittals shall be provided in the order in which they are specified and tabbed (for combination submittals).
				4. Product Data: For each type of product.

Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories.

Include rated capacities, operating characteristics, electrical characteristics, and utility connection requirements of appliances.

Include safety features on equipment. **<Only if correctional package is required on the equipment.>**

Clearly note all clearance requirements for appliances, including requirements for access and maintenance.

* + - * 1. Sustainable Design Submittals:
				2. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

Retain subparagraph below if equipment includes wiring.

Include diagrams for power, signal, and control wiring.

* + - * 1. Samples for Initial Selection: For unit kitchen cabinet [and countertop] finishes, door and drawer styles, and appliance finishes.
				2. Samples for Verification: For each type of exposed unit kitchen [and appliance] finish required, in manufacturer's standard sizes, and including the following:

One full-size unit of each type of exposed hardware.

Retain "Product Certificates" paragraph below to require submittal of product certificates from manufacturers.

* + - * 1. Product Certificates: For each configuration of unit kitchen [and each type of appliance].
				2. Sample Warranty: For special warranty.
			1. CLOSEOUT SUBMITTALS
				1. Operation and Maintenance Data: For each unit kitchen [and each appliance] to include in operation and maintenance manuals.

List manufacturer’s name, model, and serial number of each appliance.

List factory authorized service agencies, include address and telephone number.

List date of warranty activation.

* + - 1. QUALITY ASSURANCE
				1. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

Retain "Mockups" paragraph below when justified by scope of unit kitchen installation.

* + - * 1. Mockups: Build mockups to set quality standards for fabrication and installation.

Build mockup of typical unit kitchen installation including appliances and accessories.

Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

* + - 1. DELIVERY, STORAGE, AND HANDLING
				1. Deliver factory-assembled units, individually factory packaged and protected. Label with manufacturer's name, product name, and model number.
			2. FIELD CONDITIONS
				1. Environmental Limitations: Do not deliver or install unit kitchens until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

For new work, usually retain "Established Dimensions" paragraph and delete "Field Measurements" paragraph below; for remodeling work, only retain "Field Measurements" paragraph.

* + - * 1. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where casework is to fit. Coordinate construction to ensure that actual dimensions correspond to established dimensions. Provide fillers and scribes to allow for trimming and fitting.
				2. Field Measurements: Where cabinets are indicated to fit to existing construction, verify dimensions of existing construction by field measurements before fabrication and indicate measurements on Shop Drawings. Provide fillers and scribes to allow for trimming and fitting.
			1. COORDINATION

Indicate blocking and reinforcement on Drawings. Delete first paragraph below if installing cabinets on continuous hanging strips.

* + - * 1. Coordinate layout and installation of blocking and reinforcement in partitions for support of cabinets.
				2. Coordinate wiring requirements and current characteristics of unit kitchens with building electrical system.
				3. Coordinate layout and installation of plumbing, mechanical, and electrical services for unit kitchens.
				4. Coordinate sizes, location and requirements of overhead equipment and supports along with all equipment bases on floor systems.
			1. WARRANTY

When warranties are required, verify with Owner's counsel that warranties stated in this article are not less than remedies available to Owner under prevailing local laws.

* + - * 1. Manufacturer's Special Warranty: Manufacturer agrees to provide on-site service for sealed compressor systems of **[refrigerator] [icemaker]** as follows:

Verify available warranties, warranty type, and warranty periods.

Warranty Type: **[Full warranty including parts and labor] [Limited warranty including parts and labor for the first year and parts thereafter]**.

Warranty Period: **[Two] [Five] <Insert number>** years from date of Substantial Completion.

1. PRODUCTS
	* + 1. PERFORMANCE REQUIREMENTS

Verify accessibility requirements with authorities having jurisdiction. Some projects may require compliance with multiple accessibility regulations.

* + - * 1. Accessibility Requirements: For unit kitchens indicated to be accessible, comply with **[the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines] [ICC A117.1] [HUD's "Fair Housing Accessibility Guidelines"]**.
			1. LAMINATE-CLAD WOOD CABINETS

HUD's "Minimum Property Standards" requires compliance with KCMA A161.1, which specifies performance requirements suitable for specifying basic- and medium-quality cabinets.

* + - * 1. Quality Standard: Provide cabinets that comply with KCMA A161.1.

KCMA certification does not require that cabinet manufacturer be a KCMA member. It does require testing and in-plant inspection by a KCMA-authorized independent agency.

KCMA Certification: Provide cabinets with KCMA's "Certified Cabinet" seal affixed in a semi-exposed location of each unit and showing compliance with the above standard.

* + - * 1. Materials:

Medium-Density Fiberboard: ANSI A208.2, **[Grade 130] <Insert grade>**.

Particleboard: ANSI A208.1, **[Grade M-2]**.

Note that the term "plywood" in "Veneer-Faced Panel Products (Hardwood Plywood)" subparagraph below refers to a wood-based panel with veneers applied to both faces; core may be composed of veneers (either hardwood or softwood), particleboard, medium-density fiberboard, hardboard, or glued-up lumber.

Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1, Type I.

Solid Wood: Clear hardwood lumber of species indicated, free of defects, selected for compatible grain and color, and kiln dried to 7 percent moisture content.

High-Pressure Decorative Laminate: NEMA LD 3.

Retain applicable cabinet materials above based on paragraphs below. Coordinate with products retained because not all models are available in all materials or construction. Acme, Dwyer, and Kitchen Systems offer frameless-style, laminate-clad cabinets with laminate-clad or wood doors.

* + - * 1. Frameless-Style Base Cabinets:

Back Panels: 1/4-inch- thick plywood, hardboard, or particleboard with melamine bonded to both surfaces.

Top and Bottom Panels: 3/4-inch- thick particleboard with melamine bonded to both sides.

End Panels: 5/8-inch- thick particleboard with melamine bonded to both sides.

Retain "Exposed End Panels" subparagraph below if required and applicable to Project.

Exposed End Panels: 3/4-inch- thick, hardwood-veneer plywood.

Retain one of first five subparagraphs below.

Door and Drawer Fronts: 3/4-inch- thick, solid wood stiles and rails, with solid wood or hardwood plywood center panels.

Door and Drawer Fronts: 3/4-inch- thick plywood with Grade HGS high-pressure decorative laminate bonded to front and edges, and Grade CLS high-pressure decorative laminate bonded to inside surface.

Door and Drawer Fronts: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces and melamine bonded to inside surfaces.

Door and Drawer Fronts: 5/8-inch- thick particleboard with melamine bonded to both sides.

Retain "Styles and Colors" subparagraph below with one of four "Door and Drawer Fronts" subparagraphs above.

Styles and Colors: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of styles and colors]**.

Drawers: Four sided, with 1/2-inch- thick particleboard fronts, backs, and sides, and 1/4-inch- thick particleboard bottom, with melamine bonded to both sides and PVC edges.

Shelves: 3/4-inch- thick particleboard with melamine bonded to both sides and PVC edges.

Toe Kicks: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces.

Retain "Wall Cabinets" paragraph below if required.

* + - * 1. Wall Cabinets: Same material and finish as base cabinets, with adjustable shelves.
				2. Wall Shields: Fabricated from **[high-pressure decorative laminate of grade and color to match cabinets] [high-pressure decorative laminate of grade and color to match countertop] [stainless-steel sheet].** Provide wall shields for back wall **[and side walls]** between countertop splash and wall cabinets.
				3. Scribe Strips for Recessed Cabinets: Same material, finish, and color as cabinet.

Revise "Pulls" paragraph below if plastic pulls are required. Verify availability with manufacturers.

* + - * 1. Pulls: **[Wire] [Knob] [Decorative]** type **[as selected from manufacturer's full line]**.

Metal and Finish: **[Brushed chrome] [Polished chrome] [Brushed brass] [Polished brass] [Stainless steel] [As selected from manufacturer's full line] <Insert metal and type of finish>**.

* + - * 1. Wood Finishes: Factory finished with manufacturer's standard stain, sealer, and clear finish coat. Defer only final touchup until after installation.
			1. METAL CABINETS
				1. Materials:

Cold-Rolled Steel Sheet, Zinc Coated: ASTM A879, Commercial Steel (CS), Type B.

Stainless-Steel Sheet: ASTM A240, Type 304.

Aluminum Sheet: ASTM B209, manufacturer's standard alloy and temper.

Medium-Density Fiberboard: ANSI A208.2, **[Grade 130] <Insert grade>**.

Solid Wood: Clear hardwood lumber of species indicated, free of defects, selected for compatible grain and color, and kiln dried to 7 percent moisture content.

Retain applicable cabinet materials above based on paragraphs below. Coordinate with products retained; not all models are available in all materials or construction. Dwyer offers powder-coated steel and aluminum and stainless-steel cabinets, with steel, aluminum, wood, or thermofoil door and drawer fronts.

Retain "Steel Base Cabinets," "Stainless-Steel Base Cabinets," or "Aluminum Base Cabinets" paragraph below. First option in "Steel Base Cabinets" paragraph is equivalent to 18-gage thickness; second option, to 20-gage thickness.

* + - * 1. Steel Base Cabinets: Fabricate frames and sides from **[0.048-inch] [0.036-inch ]** nominal-thickness, cold-rolled steel sheet; welded and reinforced with internal gussets and bracing; with powder-coated finish.

Retain one of four "Door and Drawer Fronts" subparagraphs below. Verify availability with manufacturer.

First option in first subparagraph is equivalent to 18-gage thickness; second option, to 20-gage thickness.

Door and Drawer Fronts: **[0.048-inch] [0.036-inch]** nominal-thickness, cold-rolled steel sheet, textured or smooth; welded, reinforced, and sound-deadened; with powder-coated epoxy finish.

Door and Drawer Fronts: 0.038-inch- thick, stainless-steel sheet; welded, reinforced, and sound deadened.

Door and Drawer Fronts: 3/4-inch- thick, solid wood stiles and rails, with solid wood center panels.

Door and Drawer Fronts: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces and melamine bonded to inside surfaces.

Retain "Styles and Colors" subparagraph below with one of four "Door and Drawer Fronts" subparagraphs above.

Styles and Colors: As selected by Architect from manufacturer's full line.

Retain "Stainless-Steel Base Cabinets" paragraph below if cabinet body construction is stainless steel.

* + - * 1. Stainless-Steel Base Cabinets: Fabricate frames and sides from 0.038-inch- thick, stainless-steel sheet; welded and reinforced with internal gussets and bracing.

Retain one of three "Door and Drawer Fronts" subparagraphs below. Verify availability with manufacturer.

Door and Drawer Fronts: 0.038-inch- thick, stainless-steel sheet; welded, reinforced, and sound deadened.

Door and Drawer Fronts: 3/4-inch- thick, solid wood stiles and rails, with solid wood center panels.

Door and Drawer Fronts: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces and melamine bonded to inside surfaces.

Retain "Styles and Colors" subparagraph below with one of three "Door and Drawer Fronts" subparagraphs above.

Styles and Colors: As selected by Architect from manufacturer's full line.

Retain "Aluminum Base Cabinets" paragraph below if cabinet body construction is aluminum.

* + - * 1. Aluminum Base Cabinets: Fabricate frames and sides from 0.063-inch- thick, aluminum sheet; welded and reinforced with internal gussets and bracing.

Door and Drawer Fronts: 0.638-inch- thick, aluminum sheet; welded, reinforced, and sound deadened; with powder-coated epoxy finish.

Door and Drawer Fronts: 3/4-inch- thick, solid wood stiles and rails, with solid wood center panels.

Door and Drawer Fronts: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces and melamine bonded to inside surfaces.

Retain "Styles and Colors" subparagraph below with one of three "Door and Drawer Fronts" subparagraphs above.

Styles and Colors: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of styles and colors]**.

Retain one of three "Toe Kicks" paragraphs below for base cabinet support.

* + - * 1. Toe Kicks: 3/4-inch- thick, medium-density fiberboard with 16-mil- thick, vinyl film (thermofoil) bonded to exposed surfaces.
				2. Toe Kicks: Stainless steel, thickness and finish to match base cabinets, with four adjustable feet.
				3. Toe Kicks: Cold-rolled steel sheet, thickness to match base cabinets, powder coated, with four adjustable feet.
				4. Legs and Feet: Stainless-steel tubing legs with adjustable bullet feet.

Normally, delete "Undercounter Storage Cabinet" paragraph below if retaining built-in oven.

* + - * 1. Undercounter Storage Cabinet: Same material and finish as base cabinets, with adjustable shelf and drawer or with two drawers.

Retain "Wall Cabinets" paragraph below if required.

* + - * 1. Wall Cabinets: Same material and finish as base cabinets, with flush double bottoms, adjustable shelves, wall hanging bracket, and adjustable front legs.
				2. Wall Shields: Fabricated from **[cold-rolled steel sheet with powder-coat finish, color to match cabinets] [aluminum sheet, finish to match cabinets] [stainless-steel sheet].** Provide wall shields for back wall **[and side walls]** between countertop splash and wall cabinets.
				3. Shelves: Manufacturer's standard rolled-front shelves, **[fixed] [adjustable]** of same material and finish as cabinets.

Revise "Pulls" paragraph below if plastic pulls are required. Verify availability with manufacturers.

* + - * 1. Pulls: **[Wire] [Arched] [Recessed]** type.

Metal and Finish: **[Brushed chrome] [Polished chrome] [Brushed brass] [Polished brass] [Stainless steel] [As selected by Architect from full range of finishes] <Insert metal and type of finish>**.

Retain "Stainless-Steel Finishes" paragraph below for metal cabinets with stainless-steel cabinet bodies or door and drawer fronts.

* + - * 1. Stainless-Steel Finishes: Remove tool and die marks and stretch lines, or blend into finish. Grind and polish surfaces to produce uniform finish, free of cross scratches. Run grain of directional finishes with long dimension of each piece. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

Finish in "Bright, Directional Polish" subparagraph below is standard. Verify, with manufacturers, availability of other stainless-steel finishes.

Bright, Directional Polish: No. 4.

Retain "Wood Finishes" paragraph below for metal cabinets with wood door and drawer fronts.

* + - * 1. Wood Finishes: Factory finished with manufacturer's standard stain, sealer, and clear finish coat. Defer only final touchup until after installation.
			1. COUNTERTOPS
				1. Materials:

Stainless-Steel Sheet: ASTM A240, Type 304.

Medium-Density Fiberboard: ANSI A208.2, [Grade 130] <Insert grade>.

Particleboard: ANSI A208.1, [Grade M-2].

High-Pressure Decorative Laminate: NEMA LD 3.

Solid-Surfacing Material: Homogenous solid sheets fabricated from reacted monomers and resins, mineral fillers, and pigments; in thickness indicated; complying with ISSFA-2.

Retain "Countertop and Integral Sink" paragraph below if sink is integrally formed with countertop.

* + - * 1. Countertop and Integral Sink: Seamless, one-piece countertop and sink with [integral embossed drain board and] backsplash [and side splashes].

Retain applicable countertop material in "Stainless Steel" and "Solid-Surfacing Material" subparagraphs below.

Stainless Steel: 0.038-inch- thick sheet bonded to 3/4-inch plywood.

Solid-Surfacing Material: Minimum 1/2 inch thick.

* + - * 1. Countertop [for Drop-in Sink]: Seamless, one-piece countertop with integral backsplash [and side splashes].

Stainless Steel: 0.038-inch- thick sheet bonded to 3/4-inch plywood.

Retain one of two "High-Pressure Decorative Laminate" subparagraphs below if laminate countertops are required.

High-Pressure Decorative Laminate: Grade HGS, bonded to 3/4-inch plywood.

High-Pressure Decorative Laminate: Grade HGP, post formed, bonded to 3/4-inch particleboard with Grade BKL unfinished backing sheet bonded to reverse side.

* + - * 1. Countertop [for Undercounter-Mounted Sink]: Seamless, one-piece countertop with integral backsplash [and side splashes]; fabricated from 1/2-inch- thick, solid-surfacing material.

Retain "Stainless-Steel Finishes" paragraph below if stainless-steel countertops are required.

* + - * 1. Stainless-Steel Finishes: Remove tool and die marks and stretch lines, or blend into finish. Grind and polish surfaces to produce uniform finish, free of cross scratches. Run grain of directional finishes with long dimension of each piece. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

Finish in "Bright, Directional Polish" subparagraph below is standard. Verify, with manufacturers, availability of other stainless-steel finishes.

Bright, Directional Polish: No. 4.

* + - 1. FIXTURES

Sink sizes vary among manufacturers. Insert specific sizes in this article or indicate in a unit kitchen schedule. For accessibility to people with disabilities, verify maximum depth of sinks required by authorities having jurisdiction.

First option in "Stainless-Steel Sinks" paragraph below is equivalent to 18-gage thickness; second option, to 20-gage thickness.

* + - * 1. Stainless-Steel Sinks: **[0.050 inch] [0.038 inch]** thick; seamless; single compartment, **[drop in] [Undercounter mounted]**.
				2. Solid-Surfacing Material Sinks: Seamless, single compartment, Undercounter mounted.

Coordinate "Supplies" paragraph below with Mechanical Engineer.

* + - * 1. Supplies: **[NPS 3/8] [NPS 1/2]** chrome-plated copper with stops.

Retain one of two "Sink Faucet" paragraphs below. Single-lever control is most common with manufacturers. Gooseneck spouts are typically provided with wet bars.

* + - * 1. Sink Faucet: Single-lever control; **[polished chrome-plated mixing] [European-style, pull-out spray]** faucet with limited-swing spout and aerator.
				2. Sink Faucet: Separate hot and cold controls **[with wrist-blade handles]**; polished chrome-plated mixing faucet with limited-swing **[spout] [gooseneck spout]** and aerator.

Retain "Sink Outlet with Disposer" or "Sink Outlet without Disposer" paragraph below as applicable.

* + - * 1. Sink Outlet with Disposer: 3-1/2-inch- diameter outlet.
				2. Sink Outlet without Disposer: 3-1/2-inch- diameter outlet with [screw-in] stainless-steel cup strainer and 1-1/2-inch- diameter tailpiece.
				3. Drain Piping: NPS 1-1/2 chrome-plated cast-brass trap, tubular brass waste to wall, and wall escutcheon.
				4. Disposers: Continuous-feed, household, food-waste disposers. Include 115-V ac, 1725-rpm, 1/3-hp motor with overload protection and reset button; three-conductor, grounded power cord; wall switch; corrosion-resistant chamber with jam-resistant, stainless-steel grinder or shredder; NPS 1-1/2 outlet; quick-mounting, stainless-steel sink flange; antisplash guard; and combination cover/stopper.
				5. Hot-Water Dispensers: Household type with instant on-off control; insulated, corrosion-resistant-metal storage tank that is open to atmosphere; electric, 115-V ac, heating element; three-conductor, grounded power cord; chrome-plated faucet or spout; removable strainer; thermostat control for water temperature up to 190 deg F; thermal-overload protection; and minimum 1/2-gal. tank capacity dispensing approximately 60 cups of water per hour.
			1. APPLIANCES
				1. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

Built-in Refrigerators: Listed and labeled for recessed installation. Mount label to be visible after installation of unit; include electrical rating, type of refrigerant and minimum installation clearances.

Refrigerated Unit Kitchens: Listed and labeled for entire unit as a single integrated system. Mount label to be visible after installation of unit; include electrical rating, type of refrigerant and minimum installation clearances.

* + - * 1. Appliance Standards:

Refrigerators and Freezers: UL 250 or AHAM ER-1.

Electric Ranges: UL 858 or AHAM HRF-1.

Microwave Ovens: UL 923.

Gas-Burning Appliances: ANSI Z21 Series, and certified by CSA International, UL, or another testing and inspecting agency acceptable to authorities having jurisdiction.

Generally, retain "(High-Altitude) (and) (Propane) Conversion" paragraph below for gas-operated appliances at an altitude above 2000 feet or with propane fuel, or both. Altitude requirement varies with manufacturer.

* + - * 1. **[High-Altitude] [and] [Propane]** Conversion: Provide gas-operated appliances with manufacturer's conversion kit installed by a qualified service agency according to manufacturer's written instructions for Project location and type of fuel.

Retain applicable appliances in this article. Insert unit kitchen manufacturer's name and appliance designation if specific model is required.

* + - * 1. Refrigerator: Built-in, dual-compartment refrigerator fabricated with one-piece seamless steel or ABS plastic inner liner; refrigerator compartment with slide-out or removable shelves and meat tray; adjustable automatic temperature control; reversible door with magnetic gaskets and storage shelves; interior light; closed compartment for storage of prefrozen food and two ice cube trays; 115-V ac.

Retain capacity in "Minimum Capacity" subparagraph below to suit Project. See Evaluations.

Minimum Capacity: **[4.3 cu. ft.] [5.1 cu. ft.] <Insert capacity>** with **[21-lb] [30-lb] <Insert value>** freezer capacity.

Defrost System: **[Manual defrost] [Automatic defrost timer]**.

Compressor: Cushion-mounted, self-oiling, and hermetically sealed compressor; fan or gravity cooled.

Retain "ENERGY STAR" subparagraph below for voluntary ENERGY STAR compliance or for LEED, IgCC; ASHRAE 189.1, or Green Globes.

ENERGY STAR: Provide appliances that qualify for the EPA/DOE's ENERGY STAR product labeling program.

Retain "Finish" or "Finish Panel" subparagraph below and revise to suit Project. Not all finishes are available from all manufacturers.

Finish: **[Black] [White] [Stainless steel] [As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of finishes]**.

Finish Panel: Manufacturer's standard door trim kit with filler panel or integral finish panel; match material and finish of base cabinets.

* + - * 1. Refrigerator: Freestanding, **[one-door refrigerator with inside freezer compartment] [two-door refrigerator/freezer with freezer on top] [two-door refrigerator/freezer with freezer on bottom] [three-door refrigerator/freezer with freezer drawer on bottom] <Insert description>** and complying with AHAM HRF-1.

Retain eight subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Coordinate "Dimensions" and "Storage Capacity" subparagraphs below. If retaining both dimension and capacity requirements, verify availability with manufacturers.

Dimensions:

Width: **[24 inches] [27 inches] [30 inches] [36 inches] <Insert dimension>.**

Height: **[70 inches] [73 inches] <Insert dimension>**.

Storage Capacity:

Refrigeration Compartment Volume: **[15.6 cu. ft.] <Insert volume>**.

Freezer Volume: **[5.13 cu. ft.] <Insert volume>**.

Shelf Area: **[Three] <Insert number>** adjustable **[wire] [glass]** shelves.

General Features:

Dispenser in door for **[ice] [and] [cold water]**.

Coordinate first subparagraph below with Section 223200 "Domestic Water Filtration Equipment" for separate water filtration equipment serving a refrigerator or the entire kitchen. See Evaluations.

Built-in water filtration system.

Separate temperature controls for each compartment.

Refrigerator Features:

Interior light in refrigeration compartment.

Compartment Storage: **[Vegetable crisper] [and] [meat compartment] <Insert requirement>**.

In "Door Storage" subparagraph below, retain first option or one or more remaining options. Third option is for deeper-than-usual storage capability.

Door Storage: **[Door without storage] [Modular compartments] <Insert requirement>**.

Freezer Features: One **<Insert number>** freezer compartment(s) with door.

**[Automatic] [Manual]** defrost.

Automatic icemaker and storage bin.

Retain "ENERGY STAR" subparagraph below for voluntary ENERGY STAR compliance or for LEED, IgCC; ASHRAE 189.1, or Green Globes.

ENERGY STAR: Provide appliances that qualify for the EPA/DOE's ENERGY STAR product labeling program.

Front Panel(s): **[Manufacturer's standard] [Panel to match kitchen cabinets] [Porcelain enamel] [Stainless steel] <Insert description>**.

Retain "Panel Color" subparagraph below if retaining porcelain-enamel option in "Front Panel(s)" subparagraph above.

Panel Color: **[White] [Black] <Insert color(s)> [reversible]**.

Appliance Color/Finish: **[White] [Black] [Gray to match stainless steel] [Stainless steel] <Insert color or finish>**.

* + - * 1. Automatic Icemakers: Built-in Undercounter unit; capable of producing **[22 lb. of ice per day; with 12-lb] [35 lb. of ice per day; with 26-lb ] [50 lb. of ice per day; with 35-lb]** storage bin; 115-V ac, with three-conductor, grounded power cord; with plumbed water supply.

Finish: **[Black] [White] [Stainless steel] [As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of finishes]**.

* + - * 1. Electric Cooktops:

Retain and revise subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Width: **[12 inches] <Insert dimension>**.

Electric Burner Elements: Two.

Radiant Type: **[One 1000-W and one 1400-W element] [One 1200-W and one 1700-W element] <Insert burner combination and power ratings>**.

Controls: Knob adjustable, located on front.

Electric Power Supply: **[115V, 60 Hz, 1 phase, 30A] [240V, 60 Hz, 1 phase, 30A] [As indicated on Drawings] <Insert requirement>**, with wiring terminated at factory-installed junction box.

Cook Surface Material: Ceramic glass.

Top Material Color/Finish: **[Manufacturer's standard] [White porcelain-enameled steel] [Black porcelain-enameled steel] [Stainless steel] <Insert color or finish>**.

* + - * 1. Electric Wall Oven: One-oven unit.

Retain 10 subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Mounting: Built-in **[wall] [Undercounter] <Insert requirement>**.

First option in "Capacity" subparagraph below is an example only; units with two ovens may have different capacities.

Capacity: [3.3 cu. ft.] **<Insert capacity for each oven>**.

Operation: **[Baking] [convection] [and] [self-cleaning] <Insert requirement>**.

Broiler: Located in **[top of oven] [separate roll-out drawer on bottom] <Insert requirement>**.

Oven Door(s): Counterbalanced, removable, with **[observation window] [and] [full-width] <Insert type of handle>** handle.

Electric Power Rating:

Oven(s): **[Manufacturer's standard] [2400W] <Insert power rating for each oven>**.

Broiler: **[Manufacturer's standard] [3500W] <Insert power rating>**.

Electric Power Supply: **[240V, 60 Hz, 1 phase, 30A] [As indicated on Drawings] <Insert requirement>**.

Controls: **[Digital panel] [Manual-dial]** controls and timer display.

**<Insert feature>**.

Material: **[Porcelain-enameled steel] [Stainless steel] [Manufacturer's standard] <Insert material>**.

Color/Finish: **[White] [Black] <Insert color or finish>**.

* + - * 1. Electric Range: Freestanding range with one oven and complying with AHAMER-1.

Retain six subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Coordinate unit width in "Width" subparagraph below with number of burner elements.

Width: **[30 inches] <Insert dimension>**.

Electric Burner Elements: **[Four] <Insert number>**.

Generally, retain only "Coil Type" or "Radiant Type" subparagraph below for burner element type. Coordinate with required number of burner elements and the appliance's electric power supply.

Coil Type: **[Manufacturer's standard] [Two 1200W and two 2200W] [One 1200W, one 2200-W dual element, and two 2200W] <Insert burner combination and power ratings>.**

Radiant Type: **[Two 1500W and two 2000W] [One 1200-W element, dual 1500-W/1500-W bridge element, and one 1200-W/2500-W expandable element] <Insert burner combination and power ratings>**.

Controls: Digital panel controls, located on **[front] [left side] [right side] [splash panel at rear of range top]**.

Oven Features:

First option in "Capacity" subparagraph below is an example only; ranges with two ovens may have different capacities.

Capacity: **[3.3 cu. ft.] <Insert value>**.

Operation: **[Baking] [convection] [and] [self-cleaning] <Insert requirement>**.

Broiler: Located in **[top of oven] [separate roll-out drawer on bottom]**.

Oven Door(s): Counterbalanced, removable, with **[observation window] [and] [full-width] <Insert type of handle>** handle.

Electric Power Rating:

Oven(s): **[Manufacturer's standard] [2400W] <Insert power rating for each oven>**.

Broiler: **[Manufacturer's standard] [3500W] <Insert power rating>**.

Controls: Digital panel controls and timer display, located on **[front] [left side] [right side] [splash panel at rear of range top]**.

Antitip Device: Manufacturer's standard.

Electric Power Supply: **[240 V, 60 Hz, 1 phase, 30 A] [As indicated on Drawings] <Insert requirement>**.

Ceramic-glass cooktop in "Material" subparagraph below is typical for radiant- and induction-type, electric burner elements.

Material: **[Porcelain-enameled] [Stainless] steel with [manufacturer's standard] [ceramic-glass] <Insert material>** cooktop.

Color/Finish: **[White] [Black] <Insert color or finish>**.

* + - * 1. Gas Cooktops:

Retain and revise subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Width: **[12 inches] [24 inches] <Insert dimension>**.

Gas Burners: **[Two] [Four] <Insert number>, sealed, [natural] [LP]** gas.

Coordinate selection of "Power Ratings" subparagraph below with number of burners in and unit width in "Width" and "Gas Burners" subparagraphs above.

Power Ratings: **[Manufacturer's standard] [One 6000 Btu/h and one 10,000 Btu/h] <Insert burner combination and power ratings>**.

Power Ratings: **[Manufacturer's standard] [One 3500 Btu/h, two 6000 Btu/h, and one 12,000 Btu/h] <Insert burner combination and power ratings>**.

Controls: Manual-dial controls, located on front.

Electric Power Supply: **[120V, 60 Hz, 1 phase, 30A] [As indicated on Drawings] <Insert requirement>**.

Top Material Color/Finish: **[Manufacturer's standard] [White porcelain-enameled steel] [Black porcelain-enameled steel] [Stainless steel] <Insert color or finish>**.

* + - * 1. Gas Wall Oven: One-oven unit.

Retain 13 subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Mounting: Built-in **[wall] [Undercounter] <Insert requirement>**.

First option in "Capacity" subparagraph below is an example only; units with two ovens may have different capacities.

Capacity: **[3.3 cu. ft.] <Insert capacity for each oven>**.

Operation: **[Baking] [convection] [and] [self-cleaning] <Insert requirement>**.

Broiler: Located in **[top of oven] [separate roll-out drawer on bottom] <Insert requirement>**.

Oven Door(s): Counterbalanced, removable, with **[observation window] [and] [full-width] <Insert type of handle>** handle.

Gas Power Ratings:

Oven(s): **[Manufacturer's standard] [9100 Btu/h] <Insert power rating for each oven>**.

Broiler: **[Manufacturer's standard] [14,500 Btu/h] <Insert power rating>**.

Electric Power Supply: **[120V, 60 Hz, 1 phase, 30A] [As indicated on Drawings] <Insert requirement>**.

Controls: **[Digital panel] [Manual-dial]** controls and timer display.

**<Insert feature>**.

Material: **[Porcelain-enameled steel] [Stainless steel] [Manufacturer's standard] <Insert material>**.

Color/Finish: **[White] [Black] <Insert color or finish>**.

Retain one of two "Cooktop Burners" subparagraphs below.

Cooktop Burners: Three elements, each rated at 5000 Btu/h for natural gas.

Cooktop Burners: Four elements, each rated at 9000 Btu/h for natural gas.

Oven Burner: Rated at **[9000 Btu/h] [18,000 Btu/h]** for natural gas.

* + - * 1. Gas Range: **[Freestanding]** range with one oven.

Retain six subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Coordinate unit width in "Width" subparagraph below with number of gas burners.

Width: **[30 inches] <Insert dimension>**.

Gas Burners: **[Four] <Insert number>**.

Coordinate "Power Ratings" subparagraph below with number of burners.

Power Ratings: **[Manufacturer's standard] [One 5000 Btu/h, two 9100 Btu/h, and one 12,000 Btu/h] <Insert burner combination and power ratings>**.

Controls: **[Digital panel] [Manual-dial]** controls, located on **[front] [left side] [right side] [splash panel at rear of range top]**.

Grates: **[Individual] [Continuous] <Insert description>**.

Other Feature(s): **[Sealed burners] [Auto-re-igniting burners] [and] [grill] <Insert feature>**.

Oven Features:

Capacity: **[3.3 cu. ft.] <Insert capacity for each oven>**.

Operation: **[Baking] [convection] [and] [self-cleaning] <Insert requirement>**.

Broiler: Located in **[top of oven] [separate roll-out drawer on bottom]**.

Oven Door(s): Counterbalanced, removable, with **[observation window] [and] [full-width] <Insert type of handle>** handle.

Gas Power Ratings:

Oven(s): **[Manufacturer's standard] [9100 Btu/h] <Insert power rating for each oven>**.

Broiler: **[Manufacturer's standard] [14,500 Btu/h] <Insert power rating>**.

Controls: **[Digital panel] [Manual-dial]** controls and timer display, located on **[front] [left side] [right side] [splash panel at rear of range top]**.

Antitip Device: Manufacturer's standard.

Electric Power Supply: **[120V, 60 Hz, 1 phase, 15A] [As indicated on Drawings] <Insert requirement>**.

Material: **[Porcelain-enameled] [Stainless] steel with [manufacturer's standard] [ceramic-glass] <Insert material>** cooktop.

Color/Finish: **[White] [Black] <Insert color or finish>**.

* + - * 1. Microwave Oven:

Retain 12 subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Mounting: **[Under cabinet] [Wall cabinet] <Insert requirement>**.

Type: **[Conventional] [Convection] <Insert type>**.

Coordinate "Dimensions" and "Capacity" subparagraphs below. If retaining both dimension and capacity requirements, verify availability with manufacturers.

Dimensions:

Width: **[24 inches] [30 inches] [As indicated on Drawings] <Insert dimension>**.

Depth: **[19-1/2 inches] [As indicated on Drawings] <Insert dimension>**.

Height: **[14 inches] [18 inches] [As indicated on Drawings] <Insert dimension>**.

Capacity: **[1.5 cu. ft.] [2.0 cu. ft.] <Insert capacity>**.

Oven Door: Door with observation window **[and pull handle] [and push-button latch release] <Insert requirement>**.

Retain one of two "Exhaust Fan" subparagraphs below if oven includes exhaust fan.

Exhaust Fan: **[Two] <Insert number>**-speed fan, vented to outside, with permanent washable filter and with manufacturer's standard **<Insert value>** capacity. Provide exhaust duct and **[wall] [roof]** cap and shutter. See Section 233113 "Metal Ducts."

Exhaust Fan: **[Two] <Insert number>**-speed fan, nonvented, recirculating type with charcoal filter and with manufacturer's standard **<Insert value>** capacity.

Microwave Power Rating: **[Manufacturer's standard] <Insert power rating>**.

Retain "Convection Element Power Rating" subparagraph below for convection-type ovens only.

Convection Element Power Rating: Manufacturer's standard **<Insert power rating>**.

Electric Power Supply: **[120V, 60 Hz, 1 phase, 15A] [As indicated on Drawings] <Insert requirement>**.

Controls: Digital panel controls and timer display.

Other Features: **[Turntable] [and] [temperature probe] <Insert feature>**.

Material: **[Porcelain-enameled steel] [Stainless steel] [Manufacturer's standard] <Insert material>**.

Color/Finish: **[White] [Black] <Insert color or finish>**.

Retain first "Overhead Exhaust Hood" paragraph below if ducted exhaust hood is required.

* + - * 1. Overhead Exhaust Hood: Vented to outside.

Retain subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Type: Wall-mounted exhaust-hood system.

Dimensions:

Width: **[24 inches] [30 inches] <Insert dimension>**.

Exhaust Fan: **[Two] <Insert number>**-speed fan built into hood and with **[manufacturer's standard] <Insert value>** capacity.

Venting: Vented to outside through wall with weatherproof wall cap, backdraft damper, and rodent-proof screening. See Section 233113 "Metal Ducts."

Fan Control: Hood-mounted fan switch, with separate hood-light control switch.

Duct Type: Manufacturer's standard.

Finish: **[Baked enamel] [Stainless steel] <Insert finish>**.

Retain "Color" subparagraph below for baked-enamel finish.

Color: **[White] <Insert color>**.

Features:

Permanent, washable filter(s).

Built-in lighting.

Retain "Overhead Exhaust Hood paragraph below if recirculating hood is required. Verify acceptability of recirculating hoods with authorities having jurisdiction.

* + - * 1. Overhead Exhaust Hood: Nonvented, recirculating type.

Retain subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Type: Wall-mounted exhaust-hood system.

Dimensions:

Width: **[24 inches] [30 inches] <Insert dimension>**.

Exhaust Fan: **[Two] <Insert number>**-speed fan built into hood and with **[manufacturer's standard] <Insert value>** capacity.

Charcoal filter.

Fan Control: Hood-mounted fan switch, with separate hood-light control switch.

Finish: **[Baked enamel] [Stainless steel] <Insert finish>**.

Retain "Color" subparagraph below for baked-enamel finish.

Color: **[White] <Insert color>**.

Features:

Permanent, washable filter(s).

* + - * 1. Dishwasher: Complying with AHAM DW-1 and ASSE 1006.

Retain subparagraphs below to suit Project; available characteristics, options, and features vary with manufacturer and product.

Type: Built-in **[Undercounter] [under sink]**.

Dimensions:

Width: **[18 inches] [24 inches] <Insert dimension>**.

Retain "Sound Level" subparagraph below if required; verify availability with manufacturer. See Evaluations.

Sound Level: Maximum **[42] [48] <Insert value>** dB.

Tub and Door Liner: **[Manufacturer's standard] [Porcelain-enameled steel] [Stainless steel] [Porcelain-enameled steel tub and molded-plastic door liner] <Insert requirement>** with sealed detergent and automatic rinsing-aid dispensers.

Controls: **[Touch-pad] [Rotary-dial] <Insert description>** controls with **[four] <Insert number>** wash cycles and hot-air and heat-off drying cycle options.

Power: 115-V ac, with wiring terminated at factory-installed junction box.

Features:

Features in first three subparagraphs below are standard with most models.

Waste food disposer.

Self-cleaning, food-filter system.

Hot-water booster heater for **[140 deg F] [160 deg F]** wash water with incoming water at 100 deg F.

Retain "ENERGY STAR" subparagraph below for voluntary ENERGY STAR compliance or for LEED, IgCC; ASHRAE 189.1, or Green Globes.

ENERGY STAR: Provide appliances that qualify for the EPA/DOE's ENERGY STAR product labeling program.

Front Panel: **[Manufacturer's standard] [Panel to match kitchen cabinets] [Stainless steel] <Insert description>**.

Appliance Color/Finish: **[White] [Black] [Stainless steel] <Insert color or finish>**.

Built-in lighting.

* + - * 1. Automatic Coffeemakers: Stainless steel, with capacity for three pots of coffee; automatic brewing, nonstick warmer plates, and lighted on-off switch; 115-V ac, with three-conductor, grounded power cord; designed for permanent installation in countertop, with plumbed water supply. Provide glass coffee decanters in number to match capacity.

If needed, insert other appliances such as water chillers. Verify availability with manufacturers.

* + - 1. ACCESSORIES

Usually retain locks in "Locks" paragraph below only for unit kitchens located in public access spaces.

* + - * 1. Locks: Brass-cylinder type; furnish two keys per lock. Provide **[where indicated] [on base cabinet doors] [on refrigerator]**.
				2. Fluorescent Light Fixtures: Surface mounted to underside of overhead cabinet; with 15-W lamp, on-off switch, grounded convenience receptacle, and translucent plastic lens.
				3. Cutlery Drawers: Concealed drawer in Undercounter storage compartment with pull-out divided tray.
				4. Cutting Boards: Pull-out hardwood board.
			1. FABRICATION
				1. General: Factory fabricate, finish, and assemble unit kitchens, with base cabinets, appliances, and countertop shipping as a one-piece assembly. Securely fasten components, fixtures, and appliances together.

Revise subparagraph below if specific hardware design styles or products are available and required.

Provide manufacturer's standard hardware including concealed, adjustable plated-steel hinges; steel drawer slides with nylon rollers; and catches and rubber bumpers on doors and drawers. Unless otherwise indicated, provide chromium-plated metal or satin-finished stainless steel for exposed hardware.

* + - * 1. Accessible Units: Fabricate unit kitchens to comply with accessibility regulations as follows:

Retain "Standard, Accessible Countertops" or "Adjustable, Accessible Countertops" subparagraph below.

Standard, Accessible Countertops: Fabricate unit kitchens with one-piece countertop located at height of 34 inches above floor.

Adjustable, Accessible Countertops: Fabricate unit kitchens with two-piece countertop that allows countertop over sink, including backsplash, side splashes, and sink assembly, to be adjusted between 29 and 36 inches above finished floor.

Retain "Removable, Accessible Cabinets" subparagraph below if regulations permit unit kitchens to be adaptable rather than accessible.

Removable, Accessible Cabinets: Fabricate cabinet under sink to allow removal for future accessibility conversion. Fabricate cabinet to allow access to plumbing and electrical connections after conversion.

If required, insert pull-out workspace here.

Knee and Toe Clearance: Provide minimum 30-inch- wide open space beneath countertop with a minimum clear height of 27 inches above floor for first 8 inches of depth, then reduce clearance at a rate of 1 inch in depth for each 6 inches in height, to a minimum clear height of 9 inches above floor at a depth of 11 inches.

Pipe Enclosure Panels: Provide manufacturer's standard panels to enclose plumbing under countertop, of same material and finish as cabinets. Install panel to prevent exposure of sharp or abrasive surfaces under the countertop.

Operable Parts: Locate operable parts no higher than 48 inches and no lower than 15 inches above floor. Provide operable parts that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lb..

Range or Cooktop: Provide top surface 34 inches above floor, with controls that do not require reaching across burners. Provide knee and toe clearance beneath range or cooktop; insulate underside of cooktop to prevent burns, shocks, or abrasions.

Refrigerator: Provide 50 percent of freezer space no higher than 48 inches off floor.

Oven: Provide work surface adjacent to one side of bottom-hinged doors. Locate controls on front panel.

1. EXECUTION
	* + 1. EXAMINATION
				1. Examine walls and floors, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
				2. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
				3. Examine walls and partitions for proper backing for unit kitchens.

Retain mechanical system in first paragraph below for ducts connected to exhaust hoods.

* + - * 1. Examine roughing-in for electrical power **[plumbing] [and] [mechanical]** system(s) to verify actual locations of connections before installation of unit kitchens.
				2. Proceed with installation only after unsatisfactory conditions have been corrected.
			1. INSTALLATION
				1. General: Install level, plumb, and true; shim as required, using concealed shims. Provide fasteners, clips, backing materials, brackets, anchors, fillers, scribes, trim, and accessories necessary for complete installation.

Anchor unit kitchens at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Install anchors through backup reinforcing plates, channels, or blocking as required to prevent material distortion; use concealed fasteners.

Freestanding Ranges: Install antitip anchors at locations recommended by manufacturer.

* + - * 1. Comply with requirements specified in Section 221116 "Domestic Water Piping," Section 221316 "Sanitary Waste and Vent Piping" for connecting unit kitchens to **[plumbing] [and] [mechanical]** system(s).
				2. Comply with requirements for connecting unit kitchens to electrical power system.
			1. ADJUSTING AND CLEANING
				1. Test, adjust, and verify operation of each appliance, plumbing fixture, and component of unit kitchens. Repair or replace items found to be defective or operating below rated capacity.
				2. Verify that operating parts work freely and fit neatly and that clearances are adequate to properly and freely operate appliances.
				3. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding. **[Verify that locking devices operate properly.]**
				4. After completing unit kitchen installation, remove protective coverings if any.
				5. Repair or replace damaged parts, dents, buckles, abrasions, and other defects affecting appearance or serviceability. Touch up factory-applied finishes to restore damaged or soiled areas.
			2. LAMINATE-CLAD WOOD UNIT KITCHEN SCHEDULE

Copy this article and re-edit for each configuration of unit kitchen. This schedule is unnecessary for a single configuration of laminate-clad wood unit kitchen.

Insert drawing designation. Use these designations on Drawings to identify each unit kitchen.

* + - * 1. Unit Kitchen **[Accessible] <Insert drawing designation>**:

Retain "Basis-of-Design Product" paragraph below to identify a specific product or a comparable product from manufacturers listed in Part 2. Delete "Basis-of-Design Product" paragraph if retaining "Manufacturers" paragraph in Part 2.

* + - * 1. Basis-of-Design Product: **<Insert manufacturer's name; product name or designation>**.

Base Cabinets: Frameless-style, laminate-clad wood **[accessible]**.

Color: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from manufacturer's full range]**.

Door and Drawer Fronts: **[Solid wood stiles and rails with wood or plywood center panel] [Thermofoil-faced, medium-density fiberboard] [High-pressure decorative laminate-faced plywood]**.

Styles and Colors: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of styles and colors] <Insert door and drawer front style and color selection>**.

Wall Cabinets: **[Match base cabinets] [Not required]**.

Wall Shields: **[High-pressure decorative laminate, matching wall cabinets] [High-pressure decorative laminate, matching countertops] [Stainless steel]** on back **[and sides]**.

Retain one of first three subparagraphs below.

Countertop and Integral Sink: **[Stainless steel] [Solid-surfacing material]**.

Countertop for Drop-in Sink: **[Stainless steel] [High-pressure decorative laminate] [Post-formed, high-pressure decorative laminate]**.

Countertop for Undercounter Sink: Solid-surfacing material.

Retain "Sink" subparagraph below with "Countertop for Drop-in Sink" or "Countertop for Undercounter Sink" subparagraph above.

Sink: **[Stainless] [Porcelain-enamel]** steel.

Retain "Color" subparagraph below with "Sink" subparagraph above unless retaining stainless steel.

Color: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert sink color selection>**.

Fixtures:

Sink Faucet: **[Single-lever control, swing spout] [Single-lever control, European style with pull-out spray] [Separate hot and cold controls, swing spout] [Separate hot and cold controls, gooseneck spout] [Separate hot and cold controls, gooseneck spout, and accessible wrist-blade controls]**.

Disposer.

Hot-water dispenser.

Appliances: **[With accessible controls:]**

Refrigerator: **[Built in] [Freestanding]**.

Automatic icemaker.

Cooktop: **[Electric] [Gas, natural] [Gas, propane]**.

Built-in Oven: **[Electric] [Gas, natural] [Gas, propane]**.

Freestanding Range: **[Electric] [Gas, natural] [Gas, propane]**.

Microwave Oven: **[Freestanding] [Built-in] [Built in with exhaust hood] [Built-in microwave/convection with exhaust hood]**.

Exhaust Hood: **[Ventilating] [Recirculating, nonventilating]** type.

Dishwasher.

Automatic coffeemaker.

Appliance Color/Finish: **[White] [Black] [Stainless steel] <Insert color or finish>**.

Accessories: **[Locks] [fluorescent light fixture] [cutlery drawer] [cutting board] [and] [heat shields]**.

* + - 1. METAL UNIT KITCHEN SCHEDULE

Copy this article and re-edit for each configuration of unit kitchen. This schedule is unnecessary for a single configuration of metal unit kitchen.

Insert drawing designation. Use these designations on Drawings to identify each unit kitchen.

* + - * 1. Unit Kitchen **[Accessible] <Insert drawing designation>**:

Retain "Basis-of-Design Product" paragraph below to identify a specific product or a comparable product from manufacturers listed in Part 2. Delete "Basis-of-Design Product" paragraph if retaining "Manufacturers" paragraph in Part 2.

* + - * 1. Basis-of-Design Product: **<Insert manufacturer's name; product name or designation>**

Base Cabinets: **[Powder-coated steel] [Powder-coated aluminum] [Stainless steel] [accessible]**.

Color: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from manufacturer's full range]**.

Door and Drawer Fronts: **[Metal, matching cabinets] [Solid wood stiles and rails with wood or plywood center panel] [Thermofoil-faced, medium-density fiberboard] [High-pressure decorative laminate-faced plywood]**.

Styles and Colors: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from full range of styles and colors] <Insert door and drawer front style and color selection>**.

Wall Cabinets: **[Match base cabinets] [Not required]**.

Wall Shields: **[High-pressure decorative laminate, matching wall cabinets] [High-pressure decorative laminate, matching countertops] [Stainless steel] on back [and sides]**.

Retain "Toe Kicks" or "Legs and Feet" subparagraph below.

Toe Kicks: **[Stainless steel] [Thermofoil]**.

Legs and Feet: Stainless steel, adjustable.

Retain one of first three subparagraphs below.

Countertop and Integral Sink: **[Stainless steel] [Solid-surfacing material]**.

Countertop for Drop-in Sink: **[Stainless steel] [High-pressure decorative laminate] [Post-formed, high-pressure decorative laminate]**.

Countertop for Undercounter Sink: Solid-surfacing material.

Retain "Sink" subparagraph below with "Countertop for Drop-in Sink" or "Countertop for Undercounter Sink" subparagraph above.

Sink: **[Stainless] [Porcelain-enamel]** steel.

Retain "Color" subparagraph below with "Sink" subparagraph above unless retaining stainless steel.

Color: **[As indicated by manufacturer's designations] [Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert countertop color selection>**.

Fixtures:

Sink Faucet: **[Single-lever control, swing spout] [Single-lever control, European style with pull-out spray] [Separate hot and cold controls, swing spout] [Separate hot and cold controls, gooseneck spout] [Separate hot and cold controls, gooseneck spout, and accessible wrist-blade controls]**.

Disposer.

Hot-water dispenser.

Appliances: **[With accessible controls.]**

Refrigerator: **[Built in] [Freestanding]**.

Automatic icemaker.

Cooktop: **[Electric] [Gas, natural] [Gas, propane]**.

Built-in Oven: **[Electric] [Gas, natural] [Gas, propane]**.

Freestanding Range: **[Electric] [Gas, natural] [Gas, propane]**.

Microwave Oven: **[Freestanding] [Built-in] [Built in with exhaust hood] [Built-in microwave/convection with exhaust hood]**.

Exhaust Hood: **[Ventilating] [Recirculating, nonventilating]** type.

Dishwasher.

Automatic coffeemaker.

Appliance Color/Finish: **[White] [Black] [Stainless steel] <Insert color or finish>**.

Accessories: **[Locks] [fluorescent light fixture] [cutlery drawer] [cutting board] [and] [heat shields]**.

END OF SECTION 113200