**DESIGN A/E NOTE - GUIDE SPECIFICATION CONVENTIONS**

**Color-highlighted text**

**Yellow: Editor’s Notes. Comments inserted into the text are addressed to the A/E, not the Contractor. Editor’s Notes are formatted as hidden text. Editor’s Notes are not identified with an update. Do not print Editor’s Notes in issue for distribution to Bidders/Contractors.**

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**Red: Text updated in 1st quarter. April – June.**

**Strikethrough text and highlighting (not text) in previously issued quarters are deleted. Only 1st quarter highlighted updated text is indicated.**

**Turquoise: Text updated in 2nd quarter. July – September.**

**1st quarter updated text remains highlighted.**

**Pink: Text updated in 3rd quarter. October – December.**

**1st and 2nd quarter updated text remain highlighted.**

**Bright Green: Text updated in 4th quarter. January – March.**

**1st, 2nd and 3rd quarter updated text remains highlighted.**

**Text Editing**

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**Tip: To delete highlighting, locate cursor at beginning of Section and block all text in Section, press Shift + Control + End, click No Highlight icon on Formatting toolbar. Save.**

**IMPORTANT: Retain month and year under section title on first page indicating updated Guide Specification Section issue used.**

**Note: This** page **will not print when Hidden text is unchecked as indicated in Editor’s Notes Tip.**

IF THE HIDDEN GUIDE SPECIFICATION CONVENTIONS DO NOT APPEAR PRECEEDING THIS

NOTE, TURN THEM ON AS FOLLOWS.

**FOR MICROSOFT WORD 2000 and 2003**, CLICK ON SHOW/HIDE ICON IN MENU BAR OR CHOOSE

TOOLS IN MENU BAR. THEN CLICK OPTIONS, VIEW TAB, UNDER FORMATTING MARKS, CHECK

HIDDEN TEXT.

**FOR MICROSOFT WORD 2007,** CLICK ON MICROSOFT OFFICE ICON LOCATED IN UPPER LEFT

CORNER OF MENU BAR. CLICK ON WORD OPTIONS AT BOTTOM OF DROP DOWN. THEN CLICK

ON DISPLAY. CHECK THE HIDDEN TEXT BOX.

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MENU BAR. IN THE DROP DOWN, CLICK ON OPTIONS, AND A WORD OPTIONS BOX WILL

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THE GUIDE SPECIFICATION CONVENTIONS SHOULD NOW BE VISIBLE IN THE DOCUMENT.

(Delete this note before printing.)

SECTION **11 40 00.26**

PRODUCE DEPARTMENT EQUIPMENT

(Edited from DeCA June 2022 Design Criteria)

1. GENERAL
	* + 1. SUMMARY
				1. Section Includes:

4IFWT-1 Ice Flaker with One Mobile Cart.

4IFWT-2 Ice Flaker with Two Mobile Carts.

* + - * 1. Government Furnished/Government Installed (GFGI) Produce Equipment

4S/PPM Stand-Alone Scale Printer.

4HW1 Hand Wrapper, One Roll, Table Model.

4TFP Table, Food Preparation.

2P02-A Display, Island, Floral, Round.

2P08-C Table, Tilt Top, Produce, 4 FT x 3 FT

2P08-F Table, Tilt Top, Produce, 3 FT x 3 FT

2P16-A Bin, Orchard, without Ice Reservoir.

2P16-B Bin, Orchard, with Ice Reservoir.

2P17 Bin, Orchard, Set.

2P22-E End-Cap, Mobile, 4 Step, with Pallet.

2P30-S3L Left End Cap, Crate Style, 36 Inch.

2P30-S3R Right End Cap, Crate Style, 36 Inch.

* + - * 1. Sheet Metal Closure Panel for Equipment specified in Division 05 Metal Fabrications

Stainless Steel Closure Panels.

Perforated Metal Closure Panels.

* + - * 1. Equipment specified in Division 23 Section Product Refrigeration Systems.

1P03 Case, Produce, Refrigerated, Single-Deck.

1P07 Case, Produce, Pre-Cut Vegetables, Refrigerated.

* + - * 1. Equipment Specified in Division 22 Section Plumbing Fixtures and as indicated on Drawings.

4S03 Sink, 3-Compartment, Stainless Steel.

4S00 Hand Wash Sink.

2M06 Wall Mount Drench Hose.

* + - 1. SUBMITTALS
				1. Product Data:

For each item of equipment required, including the manufacturer's standard details and installation and maintenance instructions.

Manufacturer's standard commercial warranty.

Operating instructions.

Specifications and parts manual.

Underwriters Laboratories (UL), Inc., listing.

National Sanitation Foundation (NSF) approval or acceptance.

* + - * 1. Submittal List:

Reference Submittal Item Quantity Action

 1.2A Product Data X R

 X Submit quantity specified in Division 01 Section Administrative Requirements.

 R Review each submittal, mark to indicate action taken, and return.

 I Submittal is for information or record purposes only. No action will be taken.

* + - 1. QUALITY ASSURANCE
				1. Installer Qualifications: Engage an experienced installer to perform work of this Section who is an authorized representative of the produce department equipment manufacturer, who has specialized in installing produce department equipment, who has completed installations similar in design and extent to that indicated for this Project, and who has a record of successful in-service performance.
1. PRODUCTS
	* + 1. MANUFACTURERS
				1. Basis-of-Design Products: To establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of other manufacturers, a specific manufacturer's product is named and accompanied by the words "basis of design," including make or model number or other designation. Subject to compliance with requirements, provide either the named products or equal products.
			2. ITEM 4IFWT-1 ICE FLAKER WITH ICE TRANSPORT SYSTEM AND ONE PORTABLE STORAGE CART
				1. Salient Characteristics:

Modular ice flaker with storage bin and removable cart for transporting ice to sales floor/display areas.

Ice Flaker Machine:

Self-contained refrigeration.

Non-ozone depleting refrigerant R-404A.

Air cooled condenser.

Volume production of ice per 24 hour period based on air/water temperatures:

70-air/50-W production, minimum 1430 lbs.

ARI 90-air/70-W production, minimum 1110 lbs.

Exterior cabinet finish: Stainless steel.

Provide electrical conductivity water sensor to eliminate low or no water failures.

Electrical:

208/230 volts, 60 hertz, 1 phase.

Number of wires: 2.

Minimum circuit amps: 15.0.

Maximum fuse size: 20.

KWH/100 lbs.: 3.4.

Approximate Dimensions:

30 inches wide.

24 inches deep.

27 inches high.

Compressor: 1-3/4 HP.

Potable water/100 lbs.: 12.

In-Line Water Filter:

In-line water filtration system for ice flaker machines with volume up to 1,500 lbs/day.

Unit equipped with one replaceable water filter.

Plumbing:

Inlet Connection: 3/8 inch.

Outlet Connection: 3/8 inch.

Service Flow Rate: Maximum 1.67 gpm.

Pressure Requirements: 10-125 psi, non-shock.

Approximate Dimensions:

7 inches wide.

7 inches deep.

29 inches high.

Provide one additional replacement filter cartridge.

Storage Bin with Portable Cart and Ice Tote Accessories:

Elevated ice flaker storage bin and base designed to support ice flaker machine and with mobile cart beneath to receive flaked ice.

Each unit standard with bin, base, cart with lid, and ice paddle.

Stainless steel frame base and exterior of ice storage bin.

Storage bin and chute adapter designed to receive flaked ice from top-mounted ice flaker machine. Custom fabricate top of storage bin to form fit ice flaker machine.

Provide ice storage bin with one polyethylene snout and lift door for frontal access to the ice product.

Capacity: 740 lbs.

500 lbs in upper storage bin.

One portable cart with capacity of 240 lbs.

Provide stationary ice cabinet and mobile cart with built-in drains.

Equip mobile cart with casters (two swivel locking) and push/pull bar.

Equip cart with 6 polyethylene ice tote accessory inserts, with capacity of 25 lbs of ice per insert.

Approximate Cart Dimensions:

25 inches wide.

42 inches deep.

35 inches high.

Approximate Overall Dimensions:

31 inches wide.

40 inches deep.

60 inches high with legs.

* + - * 1. Basis-of-Design Product: Scotsman. 1-800-SCOTSMAN or

Ice Flaker Machine Model F1522A-32.

* + - * 1. Basis-of-Design Product: Everpure, Inc. 1-800-323-7873 or [www.everpure.com](http://www.everpure.com).

In-Line Water Filter, Model EV9324-01, Insurice Single-I 2000 System.

Filter Cartridge, Model EV9612.

* + - * 1. Basis-of-Design Product: Follett Corporation; 1-800-523-9361 or

Storage Bin with Base and Portable Cart Model ITS700SG.

* + - 1. ITEM 4IFWT-2: ICE FLAKER WITH ICE TRANSPORT SYSTEM AND TWO PORTABLE STORAGE CARTS
				1. Salient Characteristics:

Modular ice flaker with storage bin and removable carts for transporting ice to sales floor/display areas.

Ice Flaker Machine:

Self-contained refrigeration.

Non-ozone depleting refrigerant R-404A.

Air cooled condenser.

Volume production of ice per 24 hour period based on air/water temperatures:

70-air/50-W production, minimum 2455 lbs.

ARI 90-air/70-W production, minimum 1800 lbs.

Exterior Cabinet Finish: Stainless steel.

Provide electrical conductivity water sensor to eliminate low or no water failures.

Electrical:

208/230 volts, 60 hertz, 1 phase.

Number of wires: 2.

Minimum circuit amps: 20.6.

Maximum fuse size: 25.

KWH/100 lbs.: 3.3.

Approximate Dimensions:

42 inches wide.

24 inches deep.

27 inches high without legs.

Compressor: 1.5 HP.

Potable water/100 lbs.: 12.

In-Line Water Filter:

In-line water filtration system for high volume ice flaker machines exceeding 2,200 lbs/day.

Unit equipped with three replaceable water filters.

Plumbing:

Inlet Connection: 3/4 inch.

Outlet Connection: 3/4 inch.

Service Flow Rate: Maximum 5.0 gpm.

Pressure Requirements: 10-125 psi, non-shock.

Approximate Dimensions:

21 inches wide.

6 inches deep.

30 inches high.

Provide three additional replacement filters.

Storage Bin with Portable Carts and Ice Tote Accessories:

Elevated ice flaker storage bin and base designed to support ice flaker machine and with mobile carts beneath to receive flaked ice.

Each unit standard with bin, base, carts with lids, and ice paddle.

Stainless steel frame base and exterior of ice storage bin.

Storage bin and chute adapter designed to receive flaked ice from top-mounted ice flaker machine. Custom fabricate top of storage bin to form fit ice flaker machine.

Provide ice storage bin with one polyethylene snout and lift door for frontal access to the ice product.

Capacity: 1830 lbs.

1350 lbs in upper storage bin.

Two portable carts with capacity of 240 lbs each.

Provide stationary ice cabinet and mobile carts with built-in drains.

Equip mobile carts with casters (two swivel locking) and push/pull bar.

Equip each cart with 6 polyethylene ice tote accessory inserts, with capacity of 25 lbs) of ice per insert.

Approximate Cart Dimensions:

25 inches wide.

42 inches deep.

35 inches high.

Approximate Overall Dimensions:

60 inches wide.

40 inches deep.

75 inches high with legs.

* + - * 1. Basis-of-Design Product: Scotsman. 1-800-SCOTSMAN or

Ice Flaker Machine Model FME2404AS–32A.

* + - * 1. Basis-of-Design Product: Everpure, Inc. 1-800-323-7873 or [www.everpure.com](http://www.everpure.com).

In-Line Water Filter, Model EV9325-03, Insurice Triple-I 4000 System.

Filter Cartridge, Model EV9612.

* + - * 1. Basis-of-Design Product: Follett Corporation; 1-800-523-9361 or

Storage Bin with Base and Dual Portable Carts Model ITS1350SG-60.

* + - 1. ITEM 4S/PPM: STAND-ALONE SCALE PRINTER
				1. Salient Characteristics:

Integrated Scale/Printer:

Controls all weighing and printing functions for manual applications.

Programmable label formatting: Move, add, delete, select size and direction of printed data, and program label size (length/width).

Unit price and total price computing value of from $0.01 - $999.99.

Customer view screen displays price per pound, net weight, total price, and item description.

Minimum of 16 fast look-up key items per screen for operator.

Display: LCD Dot matrix 640x480.

350 presets with 10 category pages.

Minimum 8MB RAM memory capacity.

Stainless steel platter 17-3/4 inches by 11-5/8 inches.

Keyboard: Touchscreen.

RS485 telephone communications capable with satellite scales.

TCP / IP (transmission control protocol / intranet protocol) communications capable. Not required to be installed for current use, but capable for future upgrade.

30 lb by 0.01 capacity.

Automatically prints product name, unit price, total price, and weight on label, for hand application to wrapped packages. Capable of accommodating pre-printed labels with USDA statement and organization logo.

Prints text, nutrition facts, and safe handling labels complying with FDA and USDA label requirements.

Produces universal bar code.

Prints label lengths from 1 inch to 6 inches and widths from 1.6 inches to 3.15 inches.

Uses die cut or tear-off continuous stock labels.

Prints a minimum of 2000 characters per label for ingredients and nutritional information.

Prints up to 3240 characters of extra text per PLU (product look-up code) memory for item file, using 1-6 digit PLU codes.

Prints up to 54 characters x 60 lines (portal) on 2-5/8-inch width stock.

Electrical:

110 volt, 60 hertz, single phase.

8- to 10-foot length power cord, with grounded type plug.

* + - * 1. Basis-of-Design Product: Mettler-Toledo Inc. (804) 513-2610, (804) 794-4177, or [www.mt.com](http://www.mt.com).

Model Impact M.

* + - 1. ITEM 3-4HW1: HAND WRAPPER, ONE ROLL, TABLE MODEL
				1. Salient Characteristics:

Manually operated for stretch film advance and placement.

One roll capacity; accommodates stretch film up to 18 inches in width.

Base and frame constructed of heavy gauge aluminum.

Stainless steel wrapping surface.

Solid state controlled hot rod cut-off bar.

Sealing hot plate approximately 6 inches wide by 15 inches in length, covered with non-stick Teflon surface.

Provide with four large rubber feet.

Overall Approximate Dimensions:

22-1/2 inches wide.

26 inches long.

8-3/4 inches high.

Electrical:

115 volt, 60 hertz, single phase, 6.5 amps.

6-foot length power cord, with grounded type plug.

* + - * 1. Basis-of-Design Product: Hobart Corporation. (800) 333-7447 or

Model 625A Table Top Wrapper.

* + - 1. ITEM 4TFP-6: TABLE, FOOD PROCESSING W/UNDERSHELF
				1. Salient Characteristics:

Construct table completely of 14 gauge, Type 304 stainless steel except as described below.

NSF certified for contact with any type of food in commercial food preparation.

Reinforce top work surface and under-shelf with 14 gauge, 1-inch by 2-inch stainless steel channel.

Deliver table completely set-up with all welded assembly.

Backsplash and top work surface: One piece stainless steel construction.

Backsplash: 6 inches high and coved to work surface.

Provide top work surface with 1-1/2-inch rolled edge on front and side edges and with 90 degree bend for table line-up.

Provide table with 1-5/8-inch diameter, 16 gauge legs fitted with 1-½-inch sanitary adjustable bullet feet.

Provide legs fitted into stainless steel sockets and welded to underside of top.

Approximate Table Dimensions:

30 inches deep.

36-inch working height.

6-foot length.

Under-Shelf: Reinforced, one piece, 16 gauge, 304 stainless steel construction. Weld under-shelf to the inside of the table legs and size to match table dimensions. Locate under-shelf 12 inches above the floor.

* + - * 1. Basis-of Design Product: Winholt Equipment Group:

Model No. DTSB-3072 with Backsplash and Undershelf.

* + - 1. ITEM 3-2P02-B: MOLDED FLORAL DISPLAY
				1. Salient Characteristics:

One-piece two-step oval shape floral modular display.

Constructed of bendable plywood with exterior plastic laminate surface.

Black laminate color.

Provide with water retention top surface edge on each step of unit.

Provide castors for mobility.

Two levels of display:

Bottom level 14 inches high.

Top level 24 inches high.

Approximate Overall Dimensions:

84 inches long.

48 inches wide.

24 inches high.

* + - * 1. Basis-of-Design Product: The Marco Company. (800) 356-2848 or www.marcofw.com.

Model OFD Laminate.

* + - 1. ITEM 2P08-A: TILT TOP DISPLAY TABLE, PRODUCE ITEMS, WOODEN, EURO TYPE
				1. Salient Characteristics:

Tilt-top table, European style.

Solid Oak construction.

Adjustable steel table legs.

Table tilt top with safety lock can be positioned at five or more possible angles.

Pull-out front drawer that extends for additional display space.

Black plastic bumper guard.

Four non-marking casters (two locking and two swivel).

Wood finish of polyurethane or clear, moisture-resistant protective sealant.

Accessories:

Removable Side Rails: Two each (per table) removable oak side rails complete with mounting hardware. Rounded top to reduce product bruising. Pre-drilled and specific length to match table tilt-top depth.

Front Guard: One each (per table) clear front guard (product stop) which allows full view of product. Constructed of heavy duty 0.177 thickness plastic, without holes. Approximate dimensions 6 inches high by 4 inches deep (L-shape) by 48 inches long or sized appropriately to match table tilt-top width.

Leg Ties: Four each (per table) leg ties. Constructed of black nylon straps 1/4 inches by 24 inches with locking mechanism. Designed to prevent movement of tables when two or more tables are joined, and easily removable and reusable.

Horizontal Product Stop: One each (per table) oak horizontal divider (product stop). Designed to divide table into horizontal sections and sized to match width of table.

Vertical Product Stop: One each (per table) oak vertical divider (product stop). Designed to divide the table into vertical sections and sized to match the depth of the table.

Interlocking Pans: Four each (per table) interlocking pans designed to allow merchandising of multiple items on one table. Constructed of black ABS plastic with interlocking pans to restrict movement. Approximate dimensions 24 inches by 24 inches by 6 inches.

Scale Holder: One each (per four tables or fraction thereof) scale holder. Constructed of powder coated steel and designed to fit the Euro table, black in color. Designed to suspend a hanging scale and provided with a swivel (360 degree) top.

Bag Holder: One each (per four tables or fraction thereof) angled bag roll holder. Constructed of powder coated steel and designed to fit the Euro table, black in color. Designed to hold one roll of bags vertically.

Insulated Ice Pan: One each (per four tables or fraction thereof) insulated ice pan. Constructed of black ABS plastic with polyurethane foam insulation. Ice pan has built-in drain system with hose attachment for easy draining of water and a cut-off valve. Four inches deep and sized (length by width) to match tilt top table.

Rolling Reservoir: One each (per four tables or fraction thereof) reservoir pan to be used in conjunction with insulated ice pan. Constructed of black ABS plastic and mounted on 2- to 3- inch non-marking heavy duty casters. Integrated pop valve drain system. Approximate dimensions 30 inches wide by 30 inches long by 12 inches high.

"U" Shape Front Guard: One each (per four tables or fraction thereof) u-shape clear front guard (product stop). Constructed of clear heavy duty plastic designed to be used in conjunction with insulated ice pan to allow massive ice presentation and to prevent ice spillovers. Sized to match the insulated ice pan.

Approximate Overall Dimensions:

48 inches long.

Adjustable 48 to 61 inches deep.

Adjustable 18 to 28 inches high.

* + - * 1. Basis-of-Design Product: The Marco Company. (800) 356-2848 or www.marcofw.com.

European style table with pull-out drawer: ET06 O 48X48

Removable Side Rails: SR06 48 Two 48-inch side rails for ET06.

Front Guard: FG-1774 by 6 by 48, Clear front guard 4 by 6 by 48, 177 gauge.

Leg Ties: VEG-106 TIE Black nylon leg ties.

Horizontal Product Stop: ET PS 4 H 4-foot horizontal product stop.

Vertical Product Stop: ET PS 4 V 4-foot vertical product stop.

Interlocking Pans: VEG-106 L PAN 24 by 24 by 6 Interlocking pan.

Scale Holder: VEG-106 SCALE Metal scale holder to fit 2-inch round leg Euro Tables.

Bag Holder: VEG-106 BH Metal bag holder to fit 2-inch round leg Euro Tables.

Insulated Ice Pan: VEG-106 INPAN 48 by 46.5 Insulated ice pan for European style table.

Rolling Reservoir: VEG 106RES LG 30 by 30 by 12 Reservoir w/casters.

"U" Shape Front Guard: VEG-FG U-106 INPAN 48 by 48.

* + - 1. ITEM 2P16-A: ORCHARD BIN (FOR USE WITHOUT ICE)
				1. Salient Characteristics:

Solid oak construction.

Designed with a family of available top liners to provide a wide range of display options. Including flat top liner, nut liner, clear lids, multi-pocket lids, and other assorted options for a variety of display choices of various products. Not to be provided with initial orchard bin at this time.

Four recessed casters, two swivel and two locking.

Hinged drop side on one side for access to interior upper half of bin.

Two position adjustable plywood bottom for mass display variation in height and quantity of product.

2-1/2 inch deep plastic bottom liner.

Approximate Bin Dimensions:

48 inches long.

48 inches wide.

32 inches high.

Accessory Sign Holder:

Double-sided chalkboard with 2-inch oak wood frame.

Chalkboard slides in and out of stand for quick sign change.

Single pole metal stand for easy attachment to orchard bin.

Sign holder extends approximately 18 inches to the base of the chalkboard sign holder.

Chalk and dustless eraser.

Chalkboard Dimensions:

24 inches long.

3/4 inches deep.

12 inches high.

* + - * 1. Basis-of-Design Product: The Marco Company. (800) 356-2848 or www.marcofw.com.

Model OBA-CLS WM O 4-Foot Square Watermelon Bin Oak Wood.

Model CB-OB 24x12 C Composition Chalkboard w/Frame & Holder.

* + - 1. ITEM 2P16-B: ORCHARD BIN (FOR USE WITH ICE)
				1. Salient Characteristics:

Solid oak construction.

Designed with a family of available top liners to provide a wide range of display options. Including flat top liner, nut liner, clear lids, multi-pocket lids, and other assorted options for a variety of display choices of various products. Not to be provided with initial orchard bin at this time.

Equip with 6 inch deep non-insulated liner for icing of product and built-in drain system for use as an ice table.

Built-in drain system with water storage tank, hose, and attached cut-off valve for draining.

Door for drain hose access.

Four recessed casters, two swivel and two locking.

Approximate Bin Dimensions:

48 inches long.

48 inches wide.

32 inches high.

Accessory Sign Holder:

Double-sided chalkboard with 2-inch oak wood frame.

Chalkboard slides in and out of stand for quick sign change.

Single pole metal stand for easy attachment to orchard bin.

Sign holder extends approximately 18 inches to the base of the chalkboard sign holder.

Chalk and dustless eraser.

Chalkboard dimensions:

24 inches long.

3/4 inches deep.

12 inches high.

* + - * 1. Basis-of-Design Product: The Marco Company. (800) 356-2848 or www.marcofw.com.

Model OBA-CLS IC O 4-Foot by 4-Foot Oak Orchard Bin w/Liner & Drain Pan.

Model CB-OB 24x12 C Composition Chalkboard w/Frame & Holder.

* + - 1. ITEM 2P22-D: FOUR STEP EURO END CAP
				1. Salient Characteristics:

A four step end cap (deck plus 3 stepped levels).

Face of end cap shall extend 2 inches above the deck. Front corners, left and right, shall be cut off on a diagonal line approximately 7 inches from the corner to provide a polygon effect and to eliminate the sharp corners.

Three step displays centered on back wall of table. Six-inch step height.

ABS plastic liner.

Plastic bumper.

Colors: As indicated.

Adjustable steel legs with casters.

Approximate Overall Dimensions:

81 inches long.

30 inches deep.

44 inches high.

Approximate Step Dimensions:

Step one: 64 inches long by 20 inches deep.

Step two: 49 inches long by 12 inches deep.

Step three: 35 inches long by 5 inches deep.

With diagonal front corners.

Back panel: Shall extend full length of deck and 24 inches above the deck. Sloped at both ends with a 31-1/2 inch flat top.

* + - * 1. Basis-of-Design Product: The Marco Company. (800) 356-2848 or www.marcofw.com

Model VEG-106 EC#5 Four Step Euro Table End Cap.

1. EXECUTION
	* + 1. INSPECTION
				1. General:

Check that surfaces to which work will be secured are sound and free of irregularities interfering with installation.

Do not begin installation until satisfactory conditions have been corrected.

* + - 1. PREPARATION
				1. General:

Obtain dimensions from the site affecting work of this Section.

Ensure that roughed-in openings, built-in anchorage, and reinforcing required for proper installation of work of this Section are correctly sized, installed and located.

Obtain electrical and mechanical service characteristics and rough-in locations from site.

* + - 1. EQUIPMENT INSTALLATION
				1. General:

Installation of equipment shall be in accordance with NSF Manual On Sanitation Aspects of Food Service Equipment, as applicable.

Install items in accordance with manufacturer's instructions and installation procedures. Supervision shall be performed by workers skilled and familiar with installation of the equipment specified.

Where unit locations coincide with structural building elements such as columns, install unit to shape of element. Anchor unit directly to building element using manufacturer’s recommended method to support shelving capacity of unit.

Set units plumb, square and true, securely anchored to building structure.

Insulate items to prevent electrolysis between dissimilar metals.

Seal spaces between built-in equipment, walls and columns with preformed foam sealants specified in Division 07 Section Joint Sealants, shim level and rigid, use proper type anchoring devices for materials encountered and usage expected.

Cut, fit and patch; coordinate with work of other Sections involved.

Cut and drill tops, backs, sides and bottoms for service outlets and fixtures. Install fixtures and fittings. Make connections to services.

Sequence installation and erection to ensure that mechanical and electrical connections are effected.

Deliver instruction sheets to Contracting Officer and instruct Government's personnel in the proper use, adjustment, and maintenance of equipment.

* + - 1. ADJUSTING AND CLEANING
				1. General:

Adjust doors, drawers, hardware fixtures, and other moving and operating parts to function smoothly and correctly.

Restore finishes damaged during installation and construction period so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit or provide new units.

On completion of installation, touch up all marred or abraded finished surfaces.

Clean equipment cases, counters, shelves, glass, legs, hardware, fittings and fixtures. Wipe down surfaces to remove fingerprints and markings and leave in clean condition.

END OF SECTION