

SECTION 114000 - FOODSERVICE EQUIPMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Fabricated equipment.
2. Food waste machines.
3. Cooking equipment.
4. Self-contained refrigeration equipment.
5. Walk-in refrigeration equipment.
6. Powered food-preparation equipment.
7. Warewashing equipment.
8. Serving equipment.
9. Utility distribution systems.

- B. Owner-Furnished Equipment: Where indicated, Owner will furnish equipment for installation by Contractor.

C. Related Sections:

1. Section 233813 "Commercial-Kitchen Hoods" for ventilation hoods.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated. Include the following:

1. Manufacturer's model number.
2. Accessories and components that will be included for Project.
3. Clearance requirements for access and maintenance.
4. Utility service connections for water, drainage, power, and fuel; include roughing-in dimensions.

- B. Shop Drawings: For fabricated equipment. Include plans, elevations, sections, roughing-in dimensions, fabrication details, utility service requirements, and attachments to other work.

- C. Samples for Initial Selection: For units with factory-applied color finishes.

- D. Samples for Verification: For each factory-applied color finish required, in manufacturer's standard sizes.

1.4 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: For foodservice facilities.
 - 1. Indicate locations of foodservice equipment and connections to utilities.
 - 2. Key equipment using same designations as indicated on Drawings.
 - 3. Include plans and elevations; clearance requirements for equipment access and maintenance; details of equipment supports; and utility service characteristics.
 - 4. Include details of seismic bracing for equipment.
- B. Warranty: Samples of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For foodservice equipment to include in emergency, operation, and maintenance manuals. In addition to items specified in Section 017700 "Closeout Procedures" and Section 017823 "Operation and Maintenance Data," include the following:
 - 1. Product Schedule: For each foodservice equipment item, include the following:
 - a. Designation indicated on Drawings.
 - b. Manufacturer's name and model number.
 - c. List of factory-authorized service agencies including addresses and telephone numbers.

1.6 QUALITY ASSURANCE

- A. NSF Standards: Provide equipment that bears NSF Certification Mark or UL Classification Mark certifying compliance with applicable NSF standards.
- B. BISSC Standards: Provide bakery equipment that complies with BISSC/Z50.2.
 - 1. Provide BISSC-certified equipment, with certification verified by a third-party agency.
- C. UL Certification: Provide electric and fuel-burning equipment and components that are evaluated by UL for fire, electric shock, and casualty hazards according to applicable safety standards, and that are UL certified for compliance and labeled for intended use.
- D. Steam Equipment: Provide steam-generating and direct-steam heating equipment that is fabricated and labeled to comply with ASME Boiler and Pressure Vessel Code.
- E. Regulatory Requirements: Install equipment to comply with the following:
 - 1. ASHRAE 15, "Safety Code for Mechanical Refrigeration."
 - 2. NFPA 54, "National Fuel Gas Code."
 - 3. NFPA 70, "National Electrical Code."
 - 4. NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations."

- F. Seismic Restraints: Comply with SMACNA's "Kitchen Ventilation Systems and Food Service Equipment Fabrication and Installation Guidelines," Appendix A, "Seismic Restraint Details," unless otherwise indicated.
- G. Preinstallation Conference: Conduct conference at Project site.

1.7 PROJECT CONDITIONS

- A. Field Measurements: Verify actual dimensions of construction contiguous with foodservice equipment by field measurements before fabrication. Indicate measurements on Coordination Drawings.

1.8 COORDINATION

- A. Coordinate foodservice equipment layout and installation with other work, including layout and installation of lighting fixtures, HVAC equipment, and fire-suppression system components.
- B. Coordinate locations and requirements of utility service connections.
- C. Coordinate sizes, locations, and requirements of the following:
 - 1. Overhead equipment supports.
 - 2. Equipment bases.
 - 3. Floor depressions.
 - 4. Insulated floors.
 - 5. Floor areas with positive slopes to drains.
 - 6. Floor sinks and drains serving foodservice equipment.
 - 7. Roof curbs, equipment supports, and penetrations.

1.9 WARRANTY

- A. Refrigeration Compressor Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace compressors that fail in materials or workmanship within specified warranty period.
 - 1. Failure includes, but is not limited to, inability to maintain set temperature.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Equipment Manufacturers
 - 1. Advance Tabco
 - 2. Amana
 - 3. AMCO

4. Cambro Mfg.
5. Chrysler-Koppin
6. Cleveland Range
7. Delfield
8. Eagle Group
9. Elliott Williams
10. Garland
11. Globe
12. Groen
13. Hatco
14. Hobart Corporation
15. Kolpak
16. Lakeside
17. Metro
18. New Age Industrial Corp. Inc.
19. Norlake
20. Panasonic
21. Servolift Eastern
22. True
23. Universal Stainless
24. Vulcan
25. Welbilt

2.2 MISCELLANEOUS MATERIALS

- A. Installation Accessories, General: NSF certified for end-use application indicated.
- B. Elastomeric Joint Sealant: ASTM C 920; silicone or urethane. Type S (single component), Grade NS (nonsag), Class 25, Use NT (nontraffic) related to exposure, and Use M, G, A, or O as applicable to joint substrates indicated.
 1. Public Health and Safety Requirements:
 - a. Sealant is certified for compliance with NSF standards for end-use application indicated.
 - b. Washed and cured sealant complies with the FDA's regulations for use in areas that come in contact with food.
 2. Cylindrical Sealant Backing: ASTM C 1330, Type C, closed-cell polyethylene, in diameter greater than joint width.

2.3 FINISHES

- A. Stainless-Steel Finishes:
 1. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
 2. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.

- a. Run grain of directional finishes with long dimension of each piece.
 - b. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.
- B. Powder-Coat Finishes: Immediately after cleaning and pretreating, electrostatically apply manufacturer's standard, baked-polymer, thermosetting powder finish. Comply with resin manufacturer's written instructions for application, baking, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install foodservice equipment level and plumb, according to manufacturer's written instructions.
 1. Connect equipment to utilities.
 2. Provide cutouts in equipment, neatly formed, where required to run service lines through equipment to make final connections.
- B. Complete equipment assembly where field assembly is required.
 1. Provide closed butt and contact joints that do not require a filler.
 2. Grind field welds on stainless-steel equipment until smooth and polish to match adjacent finish.
- C. Install equipment with access and maintenance clearances that comply with manufacturer's written installation instructions and with requirements of authorities having jurisdiction.
- D. Install cabinets and similar equipment on bases in a bed of sealant.
- E. Install closure-trim strips and similar items requiring fasteners in a bed of sealant.
- F. Install joint sealant in joints between equipment and abutting surfaces with continuous joint backing unless otherwise indicated. Produce airtight, watertight, vermin-proof, sanitary joints.

3.2 CLEANING AND PROTECTING

- A. After completing installation of equipment, repair damaged finishes.
- B. Clean and adjust equipment as required to produce ready-for-use condition.
- C. Protect equipment from damage during remainder of the construction period.

3.3 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain foodservice equipment.

3.4 SCHEDULE

A. ITEM 1 - WIRE SHELVING (24 REQ'D)

1. Eagle Group Model 2448Z
2. Shelf, wire, 48"W x 24"D, patented QuadTruss® design, includes (4) pairs of split sleeves per shelf, 800 lbs. capacity, EAGLEbrite® zinc finish, NSF
 - a. 24 ea Model P74-Z Post, stationary, 74"H, grooved in 1" increments, includes post cap & leveling bolt, EAGLEbrite® zinc finish, NSF
3. Alternates:
 - a. Metro
 - b. Advance

B. ITEM 2 - FURNITURE (1 REQ'D)

1. Custom Model OFFICE DESK AND CHAIR
2. To be furnished by others

C. ITEM 3 - FLOOR SAFE (1 REQ'D)

1. gardall Model FL1328-GK Floor mount deposit safe, dual key lock, front drop safe with access
2. 25" X 14-1/2" x 13" with anchoring holes in base . double custody key locks, triple bolt work, relocking device. NOTE ! no combination lock
3. Alternates
 - a. Amsec
 - b. Phoenix

D. ITEM 4 - REACH-IN REFRIGERATOR (1 REQ'D)

1. Traulsen Model G2001- Dealer's Choice Refrigerator, Reach-in, two-section, 46.0 cu. ft., self-contained refrigeration with microprocessor control, stainless steel front & full height doors (hinging to be determined), anodized aluminum sides & interior, (3) epoxy coated shelves per section (factory installed), LED interior lights, 6" high casters, 1/3 HP, cETLus, NSF
 - a. 1 ea 3 year parts & labor and 5 year compressor warranty, standard
 - b. 1 ea 115v/60/1ph, 7.4 amps, NEMA 5-15P, standard
2. Alternates:
 - a. Victory
 - b. True STA Spec Series

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/3		
2	115	60	1	Cord & Plug		5-15P	7.4				

E. ITEM 5 - REACH-IN FREEZER (1 REQ'D)

1. Traulsen Model G2201- Dealer's Choice Freezer, Reach-in, two-section, 46.0 cu. ft., self-contained refrigeration with microprocessor control, stainless steel front & full height solid doors (hinging to be determined), anodized aluminum sides & interior, (3) epoxy coated shelves per section (factory installed), LED interior lights, 6" high casters, unit can be programmed to operate at -10 degrees fahrenheit, cETLus, NSF
 - a. 1 ea 3 year parts & labor and 5 year compressor warranty, standard

- b. 1 ea 115v/60/1ph, 11.2 amps, NEMA 5-15P, standard
- 2. Alternates:
 - a. Victory
 - b. True STA Spec Series

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	115	60	1	Cord & Plug		5-15P	11.2				

F. ITEM 6 - BUN / SHEET PAN RACK (3 REQ'D)

- 1. Advance Tabco Model PR20-3W-1X Pan Rack, mobile, full height, end loading, 20-1/4"W x 26"D x 69-1/4"H, (20) 18" x 26" or (40) 13" x 18" sheet pan capacity, slides on 3" centers, open sides, all-welded aluminum construction, 5" swivel casters, NSF
- 2. Alternates:
 - a. Eagle Group
 - b. John Boos

G. ITEM 7 - WORK TABLE, STAINLESS STEEL TOP (1 REQ'D)

- 1. Advance Tabco Model KSS-308 Work Table, 96"W x 30"D, 14 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs with stainless steel bullet feet, NSF
 - a. 1 ea Model SHD-2020 Drawer, 20"W x 20"D x 5" deep drawer pan insert, heavy duty, self-closing, stainless steel, NSF
- 2. Alternates:
 - a. Eagle Group
 - b. John Boos

H. ITEM 8 - TRANSPORT UTILITY CART (3 REQ'D)

- 1. Lakeside Manufacturing Model 744 Utility Cart, open, (3) shelf, shelf size 33" x 21", U-shaped frame, all-welded stainless steel construction, 700 lb. capacity, (2) 5" swivel & (2) 8" fixed casters
 - a. 3 ea Casters, (2) 5" swivel, (2) 8" fixed cushion tread, standard
- 2. Alternates:
 - a. Vollrath
 - b. Duke Mfg.

I. ITEM 9 - DISPOSER (1 REQ'D)

- 1. InSinkErator Model SS-300-15B-CC202 SS-300™ Complete Disposer Package, with 15" diameter bowl, 6-5/8" diameter inlet, with sleeve guard & splash baffle, 3 HP motor, stainless steel construction, includes syphon breaker, solenoid valve, flow control valve, CC-202 control center, auto reversing
 - a. 1 ea (1) year parts & labor warranty from date of installation (standard)
 - b. 1 ea Standard height disposer body
 - c. 1 ea 208v/60/3-ph, 6.0 amps
 - d. 1 ea Model SYPHON STD Syphon breaker standard, 1/2" (11477)
 - e. 1 ea Model THROAT GUARD Disposer throat guard, 6-5/8" opening only (13620)

- f. 1 ea Model DEJAMWRENCH Dejamming wrench, fits 6-5/8" opening only (Not for use with throat guard) (13993)
2. Alternates:
- Hobart
 - Salvajor

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									3		
2	208	60	3				6.0				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1				½"					

WASTE

	INDIRECT SIZE	DIRECT SIZE
1		3"

J. ITEM 10 - PRE-RINSE FAUCET ASSEMBLY (1 REQ'D)

- T&S Brass Model B-0133
- EasyInstall Pre-Rinse Unit, wall mount, base faucet, spring check cartridges & lever handles, 2" dia. Flanges with 1/2" NPT female eccentric flanged inlets, 35-1/2"H, 15" overhang, 8-1/4" clearance, 18" riser, spray valve, flex stainless steel hose
 - 1 ea Model B-0109-01 wall bracket, 6"
 - 1 ea Model B-0230-K Installation Kit , (2) 1/2" NPT nipples, lock nuts and washers, (2) short "Ell" 1/2" NPT female x male
- Alternates:
 - Chicago
 - Fisher
 - Krowne

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	½"			½"					

WASTE

	INDIRECT SIZE	DIRECT SIZE
1		

K. ITEM 11 - THREE (3) COMPARTMENT SINK (1 REQ'D)

- Advance Tabco Model 94-83-60-24R&36L
- MODIFIED Regaline Sink, 3-compartment, with left 36" & right-hand 24" drain boards, 24" front-to-back x 20"W sink compartments, 14" deep, with 11"H backsplash, stainless steel legs with welded front-to-rear & adjustable left-to-right cross rails, 24" drain boards, 1" adjustable bullet feet, 14 gauge 304 stainless steel, NSF
 - 1 ea Model K-460A Installation, disposal cone with 14" x 16" control bracket & faucet holes
 - (each)
 - 1 ea Model K-37 Anti-Siphon vacuum breaker holes
 - 1 ea Model K-474 300 Series Leg, stainless steel, with metal bullet feet
- Alternates:
 - Eagle Group

b. John Boos

WATER										WASTE		
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE		INDIRECT SIZE	DIRECT SIZE
1										1	(3) 1-1/2"	

PLUMBING 1 REMARKS

(1) set of 1/2" faucet holes, 8" OC

L. ITEM 11A - WALL / SPLASH MOUNT FAUCET (2 REQ'D)

1. T&S Brass Model B-0231 Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles
2. Alternates:
 - a. Fisher
 - b. Chicago Fct.

WATER										WASTE		
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE		INDIRECT SIZE	DIRECT SIZE
1	½"			½"						1		

M. ITEM 11B - DRAIN, LEVER / TWIST WASTE (3 REQ'D)

1. T&S Brass Model B-3950 Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet with 1-1/2" adapter (replaces B-3912, B-3916)
2. Alternates:
 - a. Chicago
 - b. Fisher
 - c. Krowne

WATER										WASTE		
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE		INDIRECT SIZE	DIRECT SIZE
1										1	2"	

N. ITEM 12 - POT RACK (1 REQ'D)

1. Advance Tabco Model SW-72 Pot Rack, wall-mounted, double bar design, 72"W x 12"D, constructed of 1/4" x 2" stainless steel, includes:
 - a. (18) plated double pot hooks
2. Alternates:
 - a. Eagle Group
 - b. John Boos

O. ITEM 13 - DRYING RACK UNIT (1 REQ'D)

1. Metro Model PR48VX4 MetroMax i® Mobile Drying Rack Unit, 26"W x 50"L x 68"H, 4-tier, includes: (4) cutting board/tray drying rack, built in Microban® antimicrobial

product protection, (2) 5PCX swivel casters & (2) 5PCBX swivel casters with brakes, NSF

2. Alternates:
3. Eagle Group
4. Advance Tabco

P. ITEM 14 - WASHER/DRYER (1 REQ'D) - NIKEC

1. Custom Model
2. By Others

Q. ITEM 15 - MOP SINK (1 REQ'D)

1. Advance Tabco Model 9-OP-44 Mop Sink, floor mounted, 29"W x 29"D x 16"H (overall), 24"W x 24" front-to-back x 12" deep (bowl size), free flow drain with 2" IPS outlet, stainless steel construction
 - a. 1 ea Model K-240 Service Sink Faucet, wall mount, 8" OC, 6-1/2" spout, with hose thread & pail hook, vacuum breaker spout, wall braced, chrome-plated brass
2. Alternates:
 - a. Eagle Group
 - b. John Boos

WATER									
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1									

WASTE		
	INDIRECT SIZE	DIRECT SIZE
1		

PLUMBING 1 REMARKS

(1) set of 1/2" faucet holes, 8" OC

R. ITEM 16 - LOCKERS (1 REQ'D) - NIKEC

1. Custom Model LOCKERS
2. Lockers -By Others

S. ITEM 17 - HAND SINK (2 REQ'D)

1. Advance Tabco Model 7-PS-90 Hand Sink, pedestal mounted base, 14" wide x 10" front-to-back x 5" deep bowl, 20 gauge 304 stainless steel, splash mounted faucet, pedal valves with easy access design, basket drain, wall bracket, NSF, cCSAus
2. Alternates:
 - a. Eagle Group
 - b. John Boos

WATER									
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	½"			½"					

WASTE		
	INDIRECT SIZE	DIRECT SIZE
1		1-1/2"

PLUMBING 1 REMARKS

(1) 1" faucet hole, splash mount

T. ITEM 18 - WIRE SHELVING (4 REQ'D)

1. Eagle Group Model 2448Z

2. Shelf, wire, 48"W x 24"D, patented QuadTruss® design, includes (4) pairs of split sleeves per shelf, 800 lbs. capacity, EAGLEbrite® zinc finish, NSF
 - a. 4 ea Model P74-Z Post, stationary, 74"H, grooved in 1" increments, includes post cap & leveling bolt, EAGLEbrite® zinc finish, NSF

3. Alternates:
 - a. Advance
 - b. Metro

U. ITEM 19 - CAN RACK (1 REQ'D)

1. Advance Tabco Model CR10-162 Can Rack, stationary design with bullet feet, with sloped glides for automatic can retrieval, designed for #10 & #5 cans, aluminum construction, holds (162) #10 cans, or (216) #5 cans
2. Alternates:
 - a. EAGLE GROUP
 - b. NEW AGE

V. ITEM 20 - CAN OPENER (1 REQ'D)

1. Edlund Model 270/115V
2. Can Opener, electric, for heavy volume, 2-speed motor, knife and gear assemblies that are removable for cleaning, recommended for up to 200 cans per day, cULus, CE, NSF certified, 115v/60/1-ph, 1.5 amp
 - a. 1 ea 3 year limited warranty, standard
3. Alternates:
 - a. DOT FOODS

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	115	60	1				1.5				

W. ITEM 21 - WORK TABLE, STAINLESS STEEL TOP (1 REQ'D)

1. Advance Tabco Model KSS-306 Work Table, 72"W x 30"D, 14 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs with stainless steel bullet feet, NSF
 - a. 1 ea Model SHD-2020 Drawer, 20"W x 20"D x 5" deep drawer pan insert, heavy duty, self-closing, stainless steel, NSF
2. Alternates:
 - a. EAGLE GROUP
 - b. JOHN BOOS

X. ITEM 22 - SHELVING, WALL-MOUNTED (1 REQ'D)

1. Advance Tabco Model WS-12-72 Shelf, wall-mounted, 72"W x 12"D, 1-5/8" bullnose front edge, 1-1/2" rear upturn, 18/430 satin finish stainless steel, NSF
2. Alternates:
 - a. EAGLE GROUP
 - b. JOHN BOOS

Y. ITEM 23 - WORK TABLE, STAINLESS STEEL TOP (1 REQ'D)

1. Advance Tabco Model KSS-308 Work Table, 96"W x 30"D, 14 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs with stainless steel bullet feet, NSF
 - a. 1 ea Weld-In sinks
 - b. 1 ea Model TA-11D Sink Welded Into Table Top, 20"W x 20"D x 12" deep bowl, includes faucetb(must specify sink location)
 - c. 1 ea Model K-316-LUHA Wrist Handles Only, for splash or deck mount hand sink faucet (1 pair hot & cold 4" long blades), fits faucets supplied after November 2015 with hot & cold color rings that do not have exposed screw head
 - d. 1 ea Model K-170 Eye Wash Attachment
 - e. 1 ea IMPORTANT: Faucet-mounted eyewashes require two motions to turn operate (turn on water, pull knob to activate eyewash flow). Therefore Advance Tabco does not believe that these units meet the provisions of ANSI Z358.1-2004 as eyewash units. These units are intended solely as supplemental units in addition to plumbed, dedicated eyewash equipment installed in the workplace. Faucet mounted eyewashes should be used with cold or warm water only. Use of hot water may cause scalding.
2. Alternates:
 - a. Eagle Group
 - b. John Boos

WATER									
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1									

WASTE		
	INDIRECT SIZE	DIRECT SIZE
1	1-1/2"	

Z. ITEM 23A - WALL / SPLASH MOUNT FAUCET (1 REQ'D)

1. T&S Brass Model B-0231
2. Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles
 - a. 1 ea Model B-0230-K Installation Kit , (2) 1/2" NPT nipples, lock nuts and washers, (2) short "Ell" 1/2" NPT female x male
3. Alternates:
 - a. Fisher
 - b. Chicago Fct.

WATER									
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	1/2"			1/2"					

WASTE		
	INDIRECT SIZE	DIRECT SIZE
1		

AA. ITEM 23B - DRAIN, LEVER / TWIST WASTE (1 REQ'D)

1. T&S Brass Model B-3950 Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet with 1-1/2" adapter (replaces B-3912, B-3916)
2. Alternates:
 - a. Krowne
 - b. Component Hardware

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1									

WASTE

	INDIRECT SIZE	DIRECT SIZE
1	2"	

BB. ITEM 24 - SHELVING, WALL-MOUNTED (1 REQ'D)

1. Advance Tabco Model WS-12-96 Shelf, wall-mounted, 96"W x 12"D, 1-5/8" bullnose front edge, 1-1/2" rear upturn, 18/430 satin finish stainless steel, NSF (units 84" & longer have (3) support brackets)
2. Alternates:
 - a. Eagle Group
 - b. John Boos

CC. ITEM 25 - COMMERCIAL FOOD BLENDER (2 REQ'D)

1. Vitamix Model 62827 (120V) (Formerly 1002, 1003) Vita-Prep, 64 oz. (2 liters) capacity, clear BPS-free Tritan™ standard container with wet blade assembly, manually-operated variable speed control, start/stop switch automatically returns to neutral position, includes: lid & tamper, black base, 2.3 peak HP, 120v/50-60/1-ph, 13.0 amps, cULus, NSF
 - a. 2 ea 3 years warranty on motor base parts & 1 year warranty on labor, standard
2. Alternates: None

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug			11.5		2/3		

DD. ITEM 26 - REACH-IN REFRIGERATOR (1 REQ'D)

1. Traulsen Model G2001- Dealer's Choice Refrigerator, Reach-in, two-section, 46.0 cu. ft., self-contained refrigeration with microprocessor control, stainless steel front & full height doors (hinging to be determined), anodized aluminum sides & interior, (3) epoxy coated shelves per section (factory installed), LED interior lights, 6" high casters, 1/3 HP, cULus, NSF
 - a. 1 ea 3 year service/labor & 5 year compressor warranty, standard
 - b. 1 ea 115v/60/1ph, 7.4 amps, NEMA 5-15P, standard
2. Alternates:
 - a. Victory
 - b. True STA Spec Series

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/3		
	115	60	1	Cord & Plug		5-15P	7.4				

EE. ITEM 27 - MOBILE HEATED CABINET (4 REQ'D)

1. Metro Model C5T8-ASBA
2. C5™ T-Series Transport Armour™ heavy-duty insulated mobile heated cabinet, 5/6 height, adjustable bottom load slides 3-2/5" OC, top mount analog thermometer & electro-mechanical thermostat (14) 18" x 26" or (28) 12" x 20" x 2-1/2" pan capacity, 304 stainless steel, foamed-in-place polyurethane insulation, maximum temperature 200°F, 6" casters, 120V/60/1, 1400 watts, 12 amps, NEMA 5-15P, cULus, NSF, ENERGY STAR®
 - a. 4 ea Model C5T-TRVL Lockable Travel Latch / Hasp (one required per door)
 - b. 4 ea Model C5T-STRPLG Straight Plug, 15 AMP
 - c. 4 st Model C5T-8SEMPNEU 8" Semi-Pneumatic Style Caster Upgrade (in lieu of standard)
3. Alternates:
 - a. Caddy
 - b. Carter Hoffman

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug		5-15P	12.0	1.4			
2							15				

FF. ITEM 28 - WORK TABLE, STAINLESS STEEL TOP (2 REQ'D)

1. Advance Tabco Model KSS-306 Work Table, 72"W x 30"D, 14 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs with stainless steel bullet feet, NSF
 - a. 2 ea Model SHD-2020 Drawer, 20"W x 20"D x 5" deep drawer pan insert, heavy duty, self-closing, stainless steel, NSF
2. Alternates:
 - a. Eagle Group
 - b. John Boos

GG. ITEM 29 - MICROWAVE OVEN (2 REQ'D)

1. ACP Model RC17S2 Amana® Commercial Microwave Oven, 1.0 cu. ft., 1700 watts, heavy volume, 4-stage cooking, (11) power levels, (100) memory settings, 60-minute max cooking time, LED display, touch control, ADA compliant Braille touch pads, audible end of cycle signal, side hinged door with tempered glass, lighted interior, sealed and recessed ceramic shelf, stainless steel exterior & interior, 208-240v/60/1-ph, 2700 total watts, 13 amps, cord, NEMA 6-20P, cETLus
 - a. 2 ea 3-year full warranty
2. Alternates:
 - a. Panasonic
 - b. Sharp

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	208/240	60	1	Cord & Plug		6-20P	13	2.7			

HH. ITEM 30 - MOBILE REFRIGERATOR CABINET (4 REQ'D)

1. Metro Model C5R9-SBA C5™ R-Series Refrigeration Armour™ heavy-duty insulated mobile refrigerator, full height, adjustable bottom load slides 3.3" OC (adjustable on

1.65" increments), all-in-one refrigeration cassette with R134a refrigerant & automatic defrost (13) 18" x 26" or (26) 12" x 20" x 2-1/2" pan capacity, 304 stainless steel, foamed-inplace polyurethane insulation, operating temperature range 33°F to 40°F (factory pre-set at 35°F), 6" casters, 120V/60/1, 5.0 amps, NEMA 5-15P, cULus, NSF

- a. 4 ea Model C5T-TRVL Lockable Travel Latch / Hasp (one required per door)
 - b. 4 ea Model C5-UHANDLE Rear Push Handle for C5 R-Series Cabinets
 - c. 4 st Model C5T-8SEMPNEU 8" Semi-Pneumatic Style Caster Upgrade (in lieu of standard)
2. Alternates:
- a. Caddy
 - b. Carter Hoffman

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug		5-15P	5.0				

II. ITEM 31 - ICE CUBER WITH BIN (1 REQ'D)

1. Manitowoc Model UD-0240A NEO™ Undercounter Ice Maker, cube-style, air-cooled, self contained, 26"W x 28"D x 38-1/2"H, production capacity up to 225 lb/24 hours at 70°/50° (160 lb AHRI certified at 90°/70°) 80 lbs ice storage capacity, electronic controls, dice size cubes, NSF, cETLus, ENERGY STAR®
 - a. 1 ea Model WARRANTY-ICE-SC 3 year parts & labor (Machine), 5 year parts & labor (Evaporator), 5 year parts (Compressor), standard
 - b. 1 ea (-161) 115v/60/1-ph, 7.0 amps, cord with NEMA 5-15P
2. Alternates:
 - a. Scotsman
 - b. Ice-O-Matic

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	115	60	1	Cord & Plug		5-15P	7.0				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1				3/8"					

WASTE

	INDIRECT SIZE	DIRECT SIZE
1	1/2"	

PLUMBING 1 REMARKS

Drain for ice maker

JJ. ITEM 32 - FLATWARE & TRAY CART (2 REQ'D)

1. Duke Manufacturing Model 96 AeroServ Portable Tray Stand, 31"L, 20"W, 41"H, 14ga stainless top & bottom shelves, 1" dia. stainless tube frame, 28-5/8" x 12" top shelf with back & ends turned up, 30" x 19" bottom shelf with back turned up, 4" dia. swivel casters, holds (200) 14" x 18" trays, NSF

2. Alternates:
 - a. Delfield
 - b. Randell

KK. ITEM 33 - MILK COOLER (2 REQ'D)

1. Beverage Air Model SM34N-S School Milk Cooler, normal temperature, 34-1/2" W, 31" D, single access, flat top carton capacities, (8) 13" x 13" x 11" or (4) 19" x 13" x 11" case capacity, stainless steel interior & exterior, 4" heavy duty casters, (2) with brakes, 1/4 hp, UL, cUL, UL EPH, NSF, MADE IN USA
 - a. 2 ea 3 years parts & labor warranty (excludes maintenance items)
 - b. 2 ea Additional 2 yr compressor warranty, standard
 - c. 2 ea 115v/60/1-ph, 4.0 amps, standard
 - d. 2 ea 4" Heavy duty casters, (2) with brakes, standard
2. Alternates:
 - a. Continental
 - b. Nova Norlake

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/4		
2	115	60	1				4.0				

LL. ITEM 34 - SERVING COUNTER, HOT FOOD, ELECTRIC (2 REQ'D)

1. Randell Model RAN HTD-5S RanServe Hot Food Table, electric, 72" L, 30" D, 35" H, mobile modular, (5) 12" x 20" hot food wells, open cabinet base with sliding doors, 16 gauge stainless steel top, laminate exterior with galvanized backing, swivel casters (2 locking)
 - a. 2 ea 208v/60/1-ph, 27.4amps, NEMA 6-50P
 - b. 2 ea Model RSEXTLAM-72 Laminate Exterior (specify color), for 72" units
 - c. 2 ea Model RAN FLT72-S Flat Top Tray Slide, 10" deep, customers side
 - 1) Tray slide on PK-4 side to be set at 30" of the floor
 - 2) Tray slide on PK-8 side to be set at 34" of the floor
 - d. 2 ea Model RAN FLT72-C Flat Top landing shelf 10" deep, work side flush with top of the counter
2. Alternates:
 - a. Delfield
 - b. Vollrath

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	208	60	1	Cord & Plug		6-50P	27.4				

MM. ITEM 35 - COUNTER PROTECTOR, FOR 72" UNITS, WITH STAINLESS STEEL TOP

1. RR.Randell Model RAN CP72-SS
2. ALTERNATES:

- a. Delfield
- b. Vollrath (2 REQ'D)

NN. ITEM 36 - SERVING COUNTER, UTILITY (2 REQ'D)

1. Randell Model RAN ST-3S RanServe Utility Unit, 36" L, 30" D, 35" H, mobile modular, open cabinet base with 2 shelves, 16 gauge stainless steel top, laminate exterior with galvanized backing, swivel casters (2 locking)
 - a. 2 ea Model RSEXTLAM-36 Laminate Exterior (specify color), for 36" units
 - b. 2 ea Model RAN FLT36-C Flat Top Tray Slide, 10" deep, customer side
 - 1) PK-4 side. Tray slide to be set at 30" height of the floor
 - 2) PK-8 side. Tray slide to be set at 34" height of the floor
2. Alternates:
 - a. Delfield
 - b. Vollrath

OO. ITEM 37 - SERVING COUNTER, COLD FOOD (2 REQ'D)

1. Randell Model RAN SCA-4S RanServe Cold Food Table, refrigerated cold pan, 60" L, 30" D, 35" H, mobile modular, 4-pan size, open base, 16 gauge stainless steel top, laminate exterior with galvanized backing, swivel casters (2 locking), 1/4 HP
 - a. 2 ea 115v/60/1-ph, 5.0 amps, NEMA 5-15P, standard
 - b. 2 ea Model RSEXTLAM-60 Laminate Exterior (specify color), for 60" units
 - c. 2 ea Model RAN FLT60-C Flat Top Tray Slide, 10" deep, customer side
 - 1) Tray slide on PK -4 side to be set at 30" of the floor
 - 2) Tray slide on PK-8 side to be set at 34" of the floor
 - d. 2 ea 6" Casters, standard
2. Alternates:
 - a. Delfield
 - b. Vollrath

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/4		
2	115	60	1	Cord & Plug		5-15P	5.0				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1									

WASTE

	INDIRECT SIZE	DIRECT SIZE
1	1"	

PP. ITEM 38 - DOUBLE-TIER OVERSHELF, 60" L WITH 6" ADJUSTABLE SNEEZE GUARD (2 REQ'D)

1. Randell Model RAN DGS60
2. ALTERNATES:
 - a. DELFIELD
 - b. VOLLRATH
- 3.

QQ. ITEM 39 - CASH REGISTER STAND (2 REQ'D)

RR. Randell Model RAN CA RanServe Cash Register Stand, 30" L, 30" D, 35" H, portable with locking cash drawer, foot rest & cash register cord hole, 16 gauge stainless steel top with interchangeable laminate body panels, swivel casters (2 locking)

1. 2 ea Model RSEXTLAM-CA Laminate Exterior (specify color)
2. 2 ea Model RAN FLT30-C Flat Top Tray Slide, 10" deep, customer side
 - a. Note! Tray slide for PK-4 to be set at 30" of the floor
 - b. Tray slide for PK-8 to be set at 34" of the floor
3. Alternates:
 - a. Delfield
 - b. Vollrath

SS. ITEM 40 - CASH REGISTER (2 REQ'D)

1. Custom Model CASH
2. Cash Register by others NIKEC

TT. ITEM 41 - OPEN MERCHANDISER (1 REQ'D)

1. Federal Industries Model RSSM-360SC Specialty Display High Profile Self-Serve Refrigerated Merchandiser, 36"W x 35"D x 60"H, self contained refrigeration, energy saving night curtain, top light, (2) tiers of adjustable black metal shelves, stainless steel display deck, black interior, tempered glass ends, choice of laminate, designed for continuous lineups, condensate evaporator provided, DOE 2012 compliant, UL, UL EPH Classified.
 - a. 1 ea One year parts & labor warranty
 - b. 1 ea Self-contained refrigeration standard
 - c. 1 ea 120/208V-240v/60/1-ph, 1/2 hp, 10.0 amps
 - d. 1 ea Five year compressor warranty, standard (for self-contained units only)
 - e. 1 ea Laminate standard color - Black
2. Alternates:
 - a. Structural Concepts
 - b. True

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120/208	60	1				10		1/2		

UU. ITEM 42 - SERVING COUNTER, UTILITY (1 REQ'D)

1. Randell Model RAN ST-2 RanServe Utility Unit, 24" L, 30" D, 35" H, mobile modular, enclosed base, 16 gauge stainless steel top, laminate exterior with galvanized backing, swivel casters (2 locking)
 - a. 1 ea Model RSEXTSS-24 Stainless steel exterior, for 24" units
 - b. 1 ea 6" Casters, standard
2. Alternates:
 - a. Delfield
 - b. Vollrath

VV. ITEM 43 - CONDIMENT CADDY (2 REQ'D)

1. Cambro Model LCDCH10191 Condiment Holder, 16"W x 20"D x 4-13/16"H, fits 1000LCD & UC1000, granite gray, NSF
2. Alternates: None

WW. ITEM 44 - DISPLAY FREEZER (2 REQ'D)

1. Master-Bilt Products Model MSC-31AN COLDIN-3™ Display Freezer, 8.3 cubic feet, curved tempered glass sliding lids, (3) standard baskets, (3) basket dividers, external analog thermometer and lock, white zinc-coated enamel steel exterior, painted white steel interior, defrost water drain, temperature range -18° to 10°F (-27° to -12° C), self-contained refrigeration, heavy duty 2" casters, R290 Hydrocarbon refrigerant, 1/3 hp, 115v/60/1-ph, 1.0 amps, 6-1/2' cord, NEMA 5-15P, cETLus, ETL-Sanitation
 - a. 2 ea 1 year parts and labor warranty
 - b. 2 ea 5 year compressor part warranty
2. Alternates:
 - a. True
 - b. Caravel

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	115	60	1	Cord & Plug		5-15P	1.0		1/3		

XX. ITEM 45 - SHELVING, WALL MOUNTED (1 REQ'D)

1. Advance Tabco Model WS-12-96 Shelf, wall-mounted, 96"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 18/430 satin finish stainless steel, NSF (units 84" & longer have (3) support brackets)
2. Alternates:
 - a. Eagle Group
 - b. John Boos

END OF SECTION 114000

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