

SECTION 09 7200 - DRY ERASE WALL COVERING

PART 1 – GENERAL

1.1 SUMMARY

- A. Division Includes:
 - 1. Projection Dry Erase Wall covering.
 - 2. Tray, Trim, and Presentation Rails.
 - 3. Accessories.
- B. Related Divisions:
 - 1. Division 09 2900 Gypsum Board
 - 2. Division 09 9100 Interior Painting: Priming for gypsum board
 - 3. Division 10 1100 Visual Display Surfaces

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - E84 Test Method for Surface Burning Characteristics of Building Materials.
- B. Gypsum Association
 - GA-14-M-97 Recommended Levels of Gypsum Board Finish.

1.3.1 SUBMITTALS

- A. **LEED REQUIREMENTS.**
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Manufacturer's product data and installation instructions for each type of dry erase wallcovering, adhesive, and accessories required.
- C. Manufacturer's written product data indicating compliance with specified materials required.
- D. Manufacturer's written installation instructions.
- E. Manufacturer's written instructions for recommended maintenance of each type of dry erase wallcovering required.
- F. Samples:
 - 1. 7 x 9 inch samples of each dry erase material required.
 - 2. 6 inch samples of trim, tray, and end caps required.

1.4 QUALITY ASSURANCE

- A. Manufacturer: Provide each type of dry erase wallcovering required produced by one manufacturer.
- B. Installer: Installation by skilled commercial wallcovering contractor with no less than three years of documented experience installing dry erase wallcovering of the types and extent required.
- C. Composition:

1. matte•rite®: Provide non-woven, pigmented vinyl capped with dry erase low gloss film. Color to be selected by architect from manufacturer's standard colors.
- D. Surface Burning Characteristics Classification: Provide materials that meet Class I/A rating when tested in accordance with ASTM E84 for flame spread and smoke developed.
- E. Field Samples & Mock up: Prepare mock up for architect's review and establish requirements for seaming and finish trim and installation.
 1. Install sample panel of each type presentation wallcovering specified in area designated by architect.
 2. When accepted, mock-up will demonstrate minimum standards of quality required for this work. Approved mock-up may remain as part of finished work.

1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver presentation wall coverings to the project site in unbroken and undamaged original factory packaging and clearly labeled with the manufacturer's identification label, quality or grade, and lot number.
- B. Store materials in a clean, dry storage area with temperature maintained above 55° F (13° C) with normal humidity.
- C. Store material within original packaging to prevent damage.

1.6 PROJECT CONDITIONS

- A. Do not apply presentation wallcoverings when surface and ambient temperatures are outside the temperature ranges required by the wall covering manufacturer.
- B. Provide continuous ventilation and heating facilities to maintain substrate surface and ambient temperatures above 55° F (13° C) unless required otherwise by manufacturer's instructions.
- C. Apply adhesive when substrate surface temperature and ambient temperature is above 55° F (13° C) and relative humidity is below forty percent.
- D. Maintain constant recommended temperature and humidity for at least seventy-two hours prior to and throughout the installation period, and for seventy-two hours after wallcovering installation completion.

1.7 WARRANTY

Submit manufacturer's limited five-year written warranty against manufacturing defects.

1.8 MAINTENANCE

Maintenance instructions: Include precautions against cleaning materials and methods that may be detrimental to finishes and performance.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURER

- a. Wall coverings: Walltalkers Wallcoverings manufactured by RJF International Corporation
- b. Substitutions: See Section 01 6300 – Product Substitution Procedures

2.3 MATERIALS

- A. Walltalkers matte•rite: Smooth low gloss vinyl surface for projection and dry erase markers.
 - 1. ER60: 59/60 inch (150/152 centimeter) width, 18 ounce per square yard (.61 kilogram per square meter), non-woven backing, color to be selected by Architect.

2.4 TRIM, TRAY, AND PRESENTATION RAILS

- A. Aluminum Tray:
 - a. 48" Clear satin, anodized aluminum, snap-on marker and eraser tray with clips
- B. End Caps:
 - a. 1/4" box tray end cap set for marker and eraser tray
- C. Aluminum Trim:
 - a. Anodized aluminum, snap-on trim with clips. Length as required.

2.5 ACCESSORIES

- A. Adhesives: Heavy-duty clear or clay based premixed vinyl adhesive.
- B. Substrate Primer/Sealer: White pigmented acrylic base primer/sealer specifically formulated for use with vinyl wallcoverings.
- C. Presentation Starter Kit: Provide one Walltalkers starter kit containing eight dry erase markers, two erasers, ten cleaning towels, and one 8 ounce (.23 kilogram) bottle liquid surface cleaning solution for each room installed with dry erase wallcovering.

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS

- A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table
 - i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 EXAMINATION

- A. Examine substrates and installation conditions to ensure surface conditions meet or exceed a Level 4 finish, per GA-214-M-97: Recommended Levels of Gypsum Board Finish, and permanent lighting should be installed and operational.
- B. Test substrate with a suitable moisture meter and verify that moisture content does not exceed four percent.
- C. Verify substrate surface is clean, dry, smooth, structurally sound, and free from surface defects and imperfections that would show through the finished surface.
- D. Evaluate all painted surfaces for the possibility of pigment bleed-through.
- E. Notify the contractor and architect in writing of any conditions detrimental to the proper and timely completion of the installation.
- E. Beginning of installation means acceptance of surface conditions.

3.3 INSTALLATION Wallcovering backing.

- A. Acclimate wallcovering in the area of installation a minimum of twenty-four hours before installation.
- B. Read and follow the manufacturer's installation instruction sheet contained in each roll of the dry erase wallcovering.
- B. Examine all materials for pattern, color, quantity and quality, as specified for the correct location prior to cutting.
- C. Adhesive: Apply a uniform coat of heavy-duty pre-mixed clay-based or extra strength clear wallcovering adhesive.
- D. Primer: Use a quality pigmented acrylic wallcovering primer.
- E. Install each strip horizontally and in the same sequence as cut from the roll.
- F. Install dry erase wallcovering sheets in exact order as they are cut from bolt. Reverse hang alternate strips (except lined products). Do not crease or bend the wallcovering when handling.
- G. Install dry erase wallcovering horizontally using a level line.
- H. Using a level or straight edge, double cut the seam with a seam-cutting tool (Ex: Double Seam-Cutter or Swedish Knife). Do not score drywall or plasterboard when cutting material.
- I. When covering the entire wall, seam the material out of the main writing and viewing areas of the wall.

- J. Apply wallcovering to the substrate using a wallcovering smoother, wrapped with a soft cloth, to remove air bubbles. Do not use sharp edged smoothing tools. Smooth material on the wall from the middle to the outside edge.
- K. Remove excess adhesive immediately after the wallcovering is applied. Clean entire surface with a warm mild soap solution, and clean soft cloths. Rinse thoroughly with water and let dry before using. Change water often to maintain water clarity.
- M. Stop installation of material that is questionable in appearance and notify the manufacturer's representative for an inspection.

3.5 CLEAN-UP

- A. Upon completion of installation, remove all exposed adhesive immediately using a soft cloth and a warm, mild soap solution and rinse thoroughly with water and dry with clean towel prior to using.
- B. Upon completion of the work, remove surplus materials, rubbish, and debris resulting from the wallcovering installation. Leave areas in neat, clean, and orderly condition.

END OF SECTION 09 7200

SECTION 09 7260 -TACKABLE WALL COVERING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Resilient cork/linoleum tackable wall covering.
 - 2. Tack strips
 - 2. Accessories.
- B. Related Divisions:
 - 1. Division 09 9123 Interior Painting: Priming for wallcoverings.
 - 3. Division 10 1100 Visual Display Surfaces: Tackboards.

1.2 SUBMITTALS

- A. LEED REQUIREMENTS.
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Product data indicating compliance with specified requirements.
- C. Installation Instructions.
- D. Samples: 7 inch by 9 inch samples
of each type of tackable wallcovering material required.

1.3 QUALITY ASSURANCE

- A. Surface Burning Characteristics Classification: Provide materials that meet classification ratings below:
 - ASTM E84 (Flame Spread and Smoke Developed) II/B
- B. Single Source Responsibility: Obtain tackable wallcovering system components from a single source.
- C. Deliver materials in original factory packaging, labeled with manufacturer, brand name, size, color, and lot number.
- D. Store materials in original, undamaged packaging inside a well-ventilated area protected from weather, moisture, soiling, and extreme temperatures.
Maintain room temperature within the storage area at not less than 68 degrees Fahrenheit during the period materials are stored.
- E. Mock-ups: Prepare mock-ups for architect's review and to establish requirements for seaming and finish trim.
 - 1. Install sample panel of each type presentation wallcovering specified in area designated by architect.
 - 2. When accepted, mock-up will demonstrate minimum standards of quality required for this work. Approved mock-up may remain as part of finished work.

1.4 PROJECT CONDITIONS

Maintain ambient temperature within the building at not less than 68 degrees Fahrenheit (20 degrees Celsius) for a minimum of seventy-two hours prior to beginning of installation.

1. Do not install tackable wallcovering until the space is enclosed and weatherproof.
2. Do not install tackable wallcovering until temperature is stabilized and permanent lighting is in place.

1.5 MAINTENANCE

Maintenance Instructions: Include precautions against cleaning materials and methods that may be detrimental to finishes and performance.

1.6 WARRANTY

Submit manufacturer's limited five-year written warranty against manufacturing defects.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 PRODUCTS

- A. Tackable wall covering: Tac•wall by Walltalkers - Uni-color resilient homogeneous tackable linoleum surface consisting of linseed oil, granulated cork, rosin binders, and dry pigments calendered onto natural burlap backing. Color shall extend through thickness of material.
 1. Material: Resilient, tackable, linoleum surface, dimensionally stable material
 2. Width: 48"
 3. Gauge: 1/4"
 4. Length: 95' roll
- B. Tack strips: 2" Tack rail by Walltalkers – Continuous aluminum extrusion with tack wall insert. Color to be selected by Architect.
- C. Substitutions: See section 01 6300 – Product Substitution Procedures

2.3 ACCESSORIES

- A. Adhesive: Solvent-free, SBR type linoleum adhesive (L-910) or polyvinyl acetate dispersion type (contact adhesive) when used in a press.
- B. Color matched caulk.
- C. ¼ inch aluminum trim for tac•wall
 - 1. Clear satin, anodized aluminum, 5/16 inch face J Trim
 - 2. Clear satin, anodized aluminum, 5/16 inch face Outside Trim
 - 3. Clear satin, anodized aluminum, 5/16 inch face Inside Trim

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS

- A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table

i. Submittal Requirements for LEED v4 Environmental Quality Credits

3.2 EXAMINATION

Examine areas and conditions in which tackable wallcoverings will be installed.

- 1. Complete finishing operations, including painting, before beginning installation of tackable wallcovering materials.
- 2. Wall surfaces to receive wallcovering materials shall be dry and free from dirt, grease, loose paint, and scale.
- 3. Notify the contractor and architect in writing of any conditions detrimental to the proper and timely completion of the installation.
- 4. Beginning of installation means acceptance of surface conditions.

3.3 PREPARATION

Surface Preparation: Remove hardware, accessories, plates, and similar items to allow tackable wallcovering to be installed.

- 1. Plaster surface: Remove surface chalk. In new work, use moisture meter to determine moisture content. Do not begin installation when moisture content is greater than five percent.
- 2. Gypsum board surface: Recess nails and screws. Repair irregular tape joints, sand and remove dust.

3. Painted surface: Remove loose paint or scale. Sand surface of enamel or gloss paint and wipe clean with damp cloth.
4. Ensure wall surfaces scheduled to receive tackable wallcovering are properly sealed with a quality primer specified for use under flexible vinyl wallcoverings.

3.4 APPLICATION

- A. Comply with manufacturer's printed installation instructions.
- B. Cut sheets to size including a few inches of overage. Allow sheets to lay flat for at least twenty-four hours prior to the application. Mark roll direction and sequence on the backside of each sheet. Hang sheets in sequence as cut from the roll, do not reverse sheets.
- C. Permanent HVAC system should be set to 68 degrees Fahrenheit (20 degrees Celsius) for at least seventy-two hours prior to, during, and after the installation.
- D. Back roll each sheet prior to the installation to release curl memory.
- E. For seamed applications, using a seam and strip cutter remove the factory edge of one sheet. Using the same tool, overlap and trace cut the mating edge of the second sheet. Repeat this step for as many sheets as required for the job.
- F. Sheet joints shall be butted together.
- G. Scribe, cut, and fit material to butt tightly to adjacent surfaces, built-in casework, and permanent fixtures and pipes.
- H. Apply adhesive with a 1/16 inch square notch trowel to the area to receiving the sheet (apply enough for one sheet at a time).
- I. Work from top to bottom then side to side. Roll sheet firmly into adhesive for positive contact and to remove air bubbles.
- I. Remove adhesive residue immediately after each panel is hung with a mild soap/water solution and a soft cloth/sponge.

3.5 CLEANING

- A. Clean wallcovering using a sponge with a neutral pH cleaning solution. Do not use abrasive cleaners. Rinse thoroughly with water and let dry before using.
- B. It is important to remove adhesive while wet.

3.6 PROTECTION

Protect installed product and finish surfaces from damage during construction.

END OF SECTION 09 7260

SECTION 09 8116 – ACOUSTIC BLANKET INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes acoustic preformed unfaced fiber batt insulation installed:
 - 1. In stud partitions and ceiling spaces in thickness and locations shown in drawings.

1.2 REFERENCES

- A. ASTM C 665, Type I, Class A (unfaced)

1.3 SUBMITTALS

A. LEED REQUIREMENTS

- i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.

- B. Product Data: For product specified.

- C. Samples for verification.

1.4 QUALITY ASSURANCE

- 1. Installer Qualifications: Engage an experienced installer to perform work of this Section.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, and handle batts in accordance with manufacturer's printed instructions.
- B. Store products in dry spaces protected from the weather.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):

- i. Submittal Requirements for LEED v4 Materials and Resources Credits.
- ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURERS

- A. Acceptable Manufacturers:
 - 1. Owens Corning
 - 2. Knauf Fiber Glass

- B. At decks where shown in Drawings, use SelectSound Black Acoustic Blanket Fiber Glass, by Owens Corning.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where installation of product will occur. With Installer present, for compliance with manufacturer's requirements, including those for maximum moisture content. Verify that conditions are satisfactory for product installation and comply with requirements specified. Do not proceed with installation until unsatisfactory conditions have been corrected and inspections completed.

3.2 PREPARATION

- A. General: Comply with manufacturer's written installation instructions.
- B. Vacuum clean areas to be covered immediately before installing product. After cleaning, examine for moisture or dust. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.3 INSTALLATION

- A. General: Install products in accordance with manufacturers printed recommendations.
- B. Install batts full width and length with tight joints between wall, ceiling or floor framing and around penetrating electrical service boxes, piping, air ducts and frames.
- C. Place batts between studs ensuring friction fit, free from sags, folds or open joints.
- D. Install batts from bottom up, tightly adjusted and trim accurately with a utility knife.

END OF SECTION 09 8116

SECTION 09 8400 - ACOUSTICAL WALL/CEILING TREATMENT

GENERAL

SUMMARY

Section Includes: Cementitious Wood Fiber Acoustical Wall & Ceiling panel system and installation accessories.

Related Sections

REFERENCES

American Society for Testing and Materials (ASTM):

ASTM C635 Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.

ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.

ASTM E1264 Standard Classification for Acoustical Ceiling Products.

Ceilings and Interior Systems Construction Association (CISCA).

CISCA Code of Practices.

SYSTEM DESCRIPTION

Performance Requirements:

Provide acoustical wall panel assembly designed and tested to provide surface burning characteristics (ASTM E84) as follows:

Flamespread: 0.

Smoke Developed: 0.

Provide acoustical wall panel system which has been manufactured, fabricated and installed to provide Noise Reduction Coefficient (NRC) rating as follows:

.75 Tectum Finale

SUBMITTALS

LEED REQUIREMENTS. Refer to specific section 01 8113 part 1.5 for LEED product submittal requirement.

Product Data: Submit manufacturer's product data and installation instructions.

Recommended procedures for normal cleaning and removal of stains including precautions in use of cleaning materials that may be detrimental to surfaces.

Samples: Submit selection and verification samples: 6" x 6" (152 x 152 mm) sample for each wood fiber wall panel unit required, showing full range of exposed texture to be expected in completed work.

Quality Assurance/Control Submittals: Submit the following:

Test Reports: Upon request, submit certified test reports from recognized test laboratories.

Certificates: Submit manufacturer's certificate that products meet or exceed specified requirements.

QUALITY ASSURANCE

Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity.

Regulatory Requirements and Approvals: Comply with requirements below.

International Conference of Building Officials (ICBO):

ICBO Research Report No. 1116.

DELIVERY, STORAGE & HANDLING

General: Comply with Division 1 Product Requirement Section.

Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Prevent soiling, physical damage or wetting.

Store cartons open at each end to stabilize moisture content and temperature.

PROJECT/SITE CONDITIONS

Environmental Requirements:

Do not install acoustical panels until building is closed in and HVAC system is operational. Locate materials onsite at least 24 hours before beginning installation to allow materials to reach temperature and moisture content equilibrium.

Maintain the following conditions in areas where acoustical materials are to be installed 24 hours before, during and after installation:

Relative Humidity: 65 - 75%.

Uniform Temperature: 55 - 70 degrees F (13 - 21 degrees C).

PRODUCTS

LEED REQUIREMENTS

Provide submittals as required by Section 01 8113 Supplemental Table(s):

- i. Submittal Requirements for LEED v4 Materials and Resources Credits.
- ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

ACOUSTICAL PANEL SYSTEM

Manufacturer: Tectum Inc.

105 South 6th St., Newark, OH 43055; Telephone: (888) 977-9691, (740) 345-9691; Fax: (800) 832-8869; E-mail: info@tectum.com; website: www.tectum.com.

Acoustical panel systems:

Tectum Finale Panels:

Material: Aspen wood fibers bonded with inorganic hydraulic cement.

Thickness: 2" (25.4 mm). 1" Tectum plus 1" Tectum Furring strips each side of integral SoniCor, 100% recycle content fiber acoustic insulation.

Size: 47-3/4" (1213 mm) Width

Color: Natural.

Mounting Style: CISCA "A" screw attached to suitable substrate.

Bevel four edges, furring on all four sides.

Length: Use maximum allowable length panels

ACCESSORIES

Provide accessories as follows:

Tectum Painted Head Screws: Type, depth and spacing as recommended by manufacturer.

Color: Natural.

Tectum Touch-Up Paint:

Color: Natural.

EXECUTION

MANUFACTURER'S INSTRUCTIONS

Comply with the instructions and recommendations of the acoustical wall panel system manufacturer.

Install materials in accordance with governing regulations, fire resistance rating requirements and industry standards applicable to work.

Comply with CISCA Code of Practices.

EXAMINATION

LEED REQUIREMENTS. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table
Submittal Requirements for LEED v4 Environmental Quality Credits.

Site Verification of Conditions:

Examine surfaces scheduled to receive suspended or directly attached acoustical units for unevenness, irregularities and dampness that would affect quality and execution of work. Do not proceed with installation of wall panel system until unacceptable conditions are corrected.

INSTALLATION

Screw head to be flush with panel surface.

Install panels so that field cut conditions occur at corners. If field cuts occur in areas other than corners, cover field cut edges by means of trim or other moldings.

CLEANING

Clean exposed surfaces of acoustical panel, trim, moldings and suspension members to comply with manufacturer's instructions for cleaning.

Touch up any minor finish damage.

Remove and replace work which cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

PROTECTION

Protect installed work from damage due to subsequent construction activity, including temperature and humidity limitations and dust control, so that the work will be without damage and deterioration at the time of acceptance by the Owner.

END OF SECTION 09 8400

SECTION 09 9100 – PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes surface preparation and field painting of the following:
 1. Exposed exterior items and surfaces, pavement markings and curbs.
 2. Exposed interior items and surfaces.
 3. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
- B. Paint exposed surfaces, except where the paint schedules indicate that a surface or material is not to be painted or is to remain natural. If the paint schedules do not specifically mention an item or a surface, paint the item or surface the same as similar adjacent materials or surfaces whether or not schedules indicate colors. If the schedules do not indicate color or finish, the Architect will select from standard colors and finishes available.
 1. Painting includes field painting of exposed bare and covered pipes and ducts (including color coding), hangers, exposed steel and iron work, and primed metal surfaces of mechanical and electrical equipment.
 2. Painting includes identifying fire-rated wall assemblies with stenciled lettering above ceiling.
 3. Stairs: Paint all exposed surfaces, including underside.
 4. Concrete curb fire lanes, and pavement markings, as shown in the drawings, and as directed by the authorities having jurisdiction.
- C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.
 1. Prefinished items include the following factory-finished components:
 - a. Architectural woodwork and casework.
 - b. Metal lockers.
 - c. Elevator entrance doors and frames.
 - d. Elevator equipment.
 - e. Finished mechanical and electrical equipment (except where noted otherwise).
 - f. Light fixtures.
 - g. Distribution cabinets (except where noted otherwise).
 2. Concealed surfaces include walls or ceilings in the following generally inaccessible spaces:
 - a. Furred areas.
 - b. Ceiling plenums.
 - c. Utility tunnels.
 - d. Pipe spaces.
 - e. Duct shafts.
 - f. Elevator shafts.
 3. Finished metal surfaces include the following:
 - a. Anodized aluminum.
 - b. Stainless steel.

- c. Chromium plate.
 - d. Copper.
 - e. Bronze and brass.
- 4. Operating parts include moving parts of operating equipment and the following:
 - a. Valve and damper operators.
 - b. Linkages.
 - c. Sensing devices.
 - d. Motor and fan shafts.
 - 5. Labels: Do not paint over Underwriters Laboratories (UL), Factory Mutual (FM), or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

1.2 DEFINITIONS

- A. General: Standard coating terms defined in ASTM D 16 apply to this Section.
 - 1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.
 - 2. Eggshell refers to low-sheen finish with a gloss range between 5 and 20 when measured at a 60-degree meter.
 - 3. Satin refers to low-sheen finish with a gloss range between 15 and 35 when measured at a 60-degree meter.
 - 4. Semigloss refers to medium-sheen finish with a gloss range between 30 and 65 when measured at a 60-degree meter.
 - 5. Full gloss refers to high-sheen finish with a gloss range more than 65 when measured at a 60-degree meter.

1.3 ACTION SUBMITTALS

- A. LEED REQUIREMENTS.
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Product Data: For each paint system specified. Include primers.
 - 1. Material List: Provide an inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
 - 2. Manufacturer's Information: Provide manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material proposed for use.
 - 3. Certification by the manufacturer that products supplied comply with local regulations controlling use of volatile organic compounds (VOCs).
- C. Samples for Verification: Of each color and material to be applied, with texture to simulate actual conditions, on representative Samples of the actual substrate.

1. Provide stepped Samples, defining each separate coat, including block fillers and primers. Use representative colors when preparing Samples for review. Resubmit until required sheen, color, and texture are achieved.
2. Provide a list of materials and applications for each coat of each sample. Label each sample for location and application.
3. Submit Samples on the following substrates for the Architect's review of color and texture only:
 - a. Concrete: Provide two 4-inch- (100-mm-) square samples for each color and finish.
 - b. Concrete Masonry: Provide one 4-by-4-inch (100-by-200-mm) sample of masonry, with mortar joint in the center, for each finish and color.
 - c. Painted Wood: Provide two 12-inch-(300-mm-) square samples of each color and material on hardboard.
 - d. Stained or Natural Wood: Provide two 4-by-8-inch (100-by-200-mm) samples of natural- or stained-wood finish on actual wood surfaces.
 - e. Ferrous Metal: Provide two 4-inch-(100-mm-) square samples of flat metal and two 8-inch-(200-mm-) long samples of solid metal for each color and finish.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For firms and persons specified in the "Quality Assurance" Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.5 QUALITY ASSURANCE

- A. Applicator Qualifications: Engage an experienced applicator who has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.
- B. Source Limitations: Obtain primers, and undercoat materials for each coating system from the same manufacturer as the finish coats.
- C. MPI Standards:
 1. Products: Complying with MPI standards indicated and listed in "MPI Approved Products List."
 2. Preparation and Workmanship: Comply with requirements in "MPI Architectural Painting Specification Manual" for products and paint systems indicated.
- D. Mockups: Apply benchmark samples of each paint system indicated and each color and finish selected to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
 - a. Wall and Ceiling Surfaces: Provide samples of at least 100 sq. ft.
 - b. Other Items: Architect will designate items or areas required.

2. Apply benchmark samples after permanent lighting and other environmental services have been activated.
3. Final approval of color selections will be based on benchmark samples.
 - a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
 1. Product name or title of material.
 2. Product description (generic classification or binder type).
 3. Manufacturer's stock number and date of manufacture.
 4. Contents by volume, for pigment and vehicle constituents.
 5. Thinning instructions.
 6. Application instructions.
 7. Color name and number.
 8. VOC content.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F.
 1. Maintain containers used in storage in a clean condition, free of foreign materials and residue.
 2. Protect from freezing.
 3. Keep storage area neat and orderly. Remove oily rags and waste daily.
 4. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.7 PROJECT CONDITIONS

- A. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50 and 90 deg F.
- B. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45 and 95 deg F.
- C. Do not apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85 percent; or at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
 1. Painting may continue during inclement weather if surfaces and areas to be painted are enclosed and heated within temperature limits specified by manufacturer during application and drying periods.

1.8 EXTRA MATERIALS

- A. Furnish extra paint materials from the same production run as the materials applied in the quantities described below. Package paint materials in unopened, factory-sealed containers

for storage and identify with labels describing contents. Deliver extra materials to the Owner.

1. Quantity: Furnish the Owner with an additional 5 percent, but not less than 1 gal. or 1 case, as appropriate, of each material and color applied.

1.9 CLOSEOUT SUBMITTALS

- A. Coating Maintenance Manual: Provide coating maintenance manual including area summary with finish schedule, area detail designating location where each product/color/finish was used, product data pages, material safety data sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. LEED REQUIREMENTS.

Provide submittals as required by Section 01 8113 Supplemental Table(s):

- i. Submittal Requirements for LEED v4 Materials and Resources Credits.
- ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

- B. Products: Subject to compliance with requirements, provide one of the products in the paint schedules.

- C. Manufacturers Names: The following manufacturers are referred to in the paint schedules by use of shortened versions of their names, which are shown in parentheses:

1. Benjamin Moore & Co. (BM)
2. Diamond Vogel Paints. (DV)
3. Dunn-Edwards Corporation. (DE)
4. PPG Architectural Finishes, Inc. (PPG)
5. Sherwin-Williams Company (S-W).

2.2 ANTI-GRAFFITI COATING

- A. Clear Anti-Graffiti Coating 1K Siloxane by Sherwin Williams or approved equivalent for appropriate application.

a. Location:

- i. All exposed Masonry, Concrete & Architectural Precast
- ii. All stucco surfaces
- iii. Other locations indicated on Drawings

2.3 PAINT MATERIALS, GENERAL

- A. Material Compatibility: Provide block fillers, primers, undercoats, and finish-coat materials that are compatible with one another and the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.
- B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
 - 1. Proprietary Names: Use of manufacturer's proprietary product names to designate colors or materials is not intended to imply that products named are required to be used to the exclusion of equivalent products of other manufacturers. Furnish manufacturer's material data and certificates of performance for proposed substitutions.
- D. VOC Content of Field-Applied Interior Paints and Coatings: Provide products that comply with the following limits for VOC content, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24); these requirements do not apply to paints and coatings that are applied in a fabrication or finishing shop:
 - 1. Flat Paints, Coatings, and Primers: VOC content of not more than 50 g/L.
 - 2. Nonflat Paints, Coatings, and Primers: VOC content of not more than 150 g/L.
 - 3. Anti-Corrosive and Anti-Rust Paints Applied to Ferrous Metals: VOC not more than 250 g/L.
 - 4. Floor Coatings: VOC not more than 100 g/L.
 - 5. Shellacs, Clear: VOC not more than 730 g/L.
 - 6. Shellacs, Pigmented: VOC not more than 550 g/L.
 - 7. Flat Topcoat Paints: VOC content of not more than 50 g/L.
 - 8. Nonflat Topcoat Paints: VOC content of not more than 150 g/L.
 - 9. Anti-Corrosive and Anti-Rust Paints Applied to Ferrous Metals: VOC not more than 250 g/L.
 - 10. Floor Coatings: VOC not more than 100 g/L.
 - 11. Shellacs, Clear: VOC not more than 730 g/L.
 - 12. Shellacs, Pigmented: VOC not more than 550 g/L.
 - 13. Primers, Sealers, and Undercoaters: VOC content of not more than 200 g/L.
- E. Chemical Components of Field-Applied Interior Paints and Coatings: Provide topcoat paints and anti-corrosive and anti-rust paints applied to ferrous metals that comply with the following chemical restrictions; these requirements do not apply to paints and coatings that are applied in a fabrication or finishing shop:
 - 1. Aromatic Compounds: Paints and coatings shall not contain more than 1.0 percent by weight of total aromatic compounds (hydrocarbon compounds containing one or more benzene rings).
 - 2. Restricted Components: Paints and coatings shall not contain any of the following:
 - a. Acrolein.
 - b. Acrylonitrile.
 - c. Antimony.
 - d. Benzene.
 - e. Butyl benzyl phthalate.
 - f. Cadmium.
 - g. Di (2-ethylhexyl) phthalate.

- h. Di-n-butyl phthalate.
- i. Di-n-octyl phthalate.
- j. 1,2-dichlorobenzene.
- k. Diethyl phthalate.
- l. Dimethyl phthalate.
- m. Ethylbenzene.
- n. Formaldehyde.
- o. Hexavalent chromium.
- p. Isophorone.
- q. Lead.
- r. Mercury.
- s. Methyl ethyl ketone.
- t. Methyl isobutyl ketone.
- u. Methylene chloride.
- v. Naphthalene.
- w. Toluene (methylbenzene).
- x. 1,1,1-trichloroethane.
- y. Vinyl chloride.

- F. Colors: Provide custom colors of the finished paint systems to match the Architect's samples.

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS.

- A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table
 - i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Concrete: 12 percent.
 - 2. Masonry (Clay and CMU): 12 percent.
 - 3. Wood: 15 percent.
 - 4. Gypsum Board: 12 percent.
 - 5. Plaster: 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.

- D. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.3 PREPARATION

- A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of the size or weight of the item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.
- B. Cleaning: Before applying paint or other surface treatments, clean the substrates of substances that could impair the bond of the various coatings. Remove oil and grease before cleaning.
 - 1. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- C. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.
 - 1. Provide barrier coats over incompatible primers or remove and re-prime.
 - 2. Cementitious Materials: Prepare concrete, concrete masonry block, cement plaster, and mineral-fiber-reinforced cement panel surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
 - a. Use abrasive blast-cleaning methods if recommended by paint manufacturer.
 - b. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces where moisture content exceeds that permitted in manufacturer's written instructions.
 - c. Clean concrete floors to be painted with a 5 percent solution of muriatic acid or other etching cleaner. Flush the floor with clean water to remove acid, neutralize with ammonia, rinse, allow to dry, and vacuum before painting.
 - 3. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
 - a. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.

- b. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and backsides of wood, including cabinets, counters, cases, and paneling.
 - c. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on backside.
 - d. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.
- 4. Ferrous Metals: Clean ungalvanized ferrous-metal surfaces that have not been shop coated; remove oil, grease, dirt, loose mill scale, and other foreign substances. Use solvent or mechanical cleaning methods that comply with the Steel Structures Painting Council's (SSPC) recommendations.
 - a. Blast steel surfaces clean as recommended by paint system manufacturer and according to requirements of SSPC-SP 10.
 - b. Treat bare and sandblasted or pickled clean metal with a metal treatment wash coat before priming.
 - c. Touch up bare areas and shop-applied prime coats that have been damaged. Wire-brush, clean with solvents recommended by paint manufacturer, and touch up with the same primer as the shop coat.
- 5. Galvanized Surfaces: Clean galvanized surfaces with nonpetroleum-based solvents so surface is free of oil and surface contaminants. Remove pretreatment from galvanized sheet metal fabricated from coil stock by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- D. Materials Preparation: Mix and prepare paint materials according to manufacturer's written instructions.
 - 1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
 - 2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
 - 3. Use only thinners approved by paint manufacturer and only within recommended limits.
- E. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple coats of the same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.4 APPLICATION

- A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.
 - 1. Paint colors, surface treatments, and finishes are indicated in the schedules.
 - 2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
 - 3. Provide finish coats that are compatible with primers used.
 - 4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convactor covers, covers for finned-tube radiation, grilles, and similar

components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.

5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before the final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
6. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.
9. Sand lightly between each succeeding enamel or varnish coat.
10. Work will include accent color walls. Paint surfaces to receive accent colors as indicated on the drawings. When drawings do not indicate accent wall locations, coordinate locations of colors with Architect prior to painting.
11. For graffiti removal, consult coating manufacturer, ProSoCo, Inc., or call Rinker Materials, Albuquerque, NM, (505) 345-4451.

B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

1. The number of coats and the film thickness required are the same regardless of application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
2. Omit primer on metal surfaces that have been shop primed and touchup painted.
3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where application of another coat of paint does not cause the undercoat to lift or lose adhesion.

C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required.
3. Spray Equipment: Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required. Confirm use of spray equipment is acceptable to building owner in occupied areas.
4. Back roll finish coat at all spray painted areas to facilitate touch up. Patches will not be accepted; entire wall shall be repainted (corner to corner).

D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturers recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.

- E. Mechanical and Electrical Work: Painting of mechanical and electrical work is limited to items exposed in equipment rooms and in occupied spaces.
- F. Mechanical items to be painted include, but are not limited to, the following:
 - 1. Piping, pipe hangers, brackets, collars, and supports.
 - 2. Heat exchangers.
 - 3. Tanks.
 - 4. Ductwork.
 - 5. Insulation.
 - 6. Motors and mechanical equipment.
 - 7. Accessory items.
 - 8. Unfinished and primed louvers, grilles, covers, and access panels. Remove and paint separately.
 - 9. Exposed and insulated pipes.
- 10. Interior surfaces of ducts and dampers that are visible through grilles and louvers. Provide one coat of flat black paint to limit sight line.
- 11. Factory primed equipment.
- 12. Exposed factory finished equipment on roof, exterior of building, and in finished areas.
- G. Electrical items to be painted include, but are not limited to, the following:
 - 1. Conduit and fittings, boxes,
 - 2. Switchgear.
 - 3. Panelboards (shall include pre-finished panel boards located in normally occupied areas).
- H. Exterior metal items to be painted include, but are not limited to,
 - 1. Lintels.
 - 2. Bollards.
 - 3. Architectural steel.
 - 4. Galvanized metal flashings.
 - 5. Miscellaneous exposed steel.
 - 6. Steel doors and frames.
 - 7. Stairs.
 - 8. Handrails and railings.
- I. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.
- J. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Apply one coat of primer on gypsum wallboard surfaces prior to texture application, apply a second coat of primer over gypsum wallboard after texture has been applied. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.
- K. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.
- L. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.

1. Provide satin finish for final coats.
- M. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.
- N. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.
- O. Identification: Provide 3 inch high stenciled block letters in red to identify each rated wall assembly. Refer to Section 09 29 00.

3.5 FIELD QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure at any time and as often as Owner deems necessary during the period when paints are being applied:
 1. Owner will engage the services of a qualified testing agency to sample paint materials being used. Samples of material delivered to Project site will be taken, identified, sealed, and certified in presence of Contractor.
 2. Testing agency will perform tests for compliance with product requirements.
 3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying-paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

3.6 CLEANING

- A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.
 1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping. Be careful not to scratch or damage adjacent finished surfaces.

3.7 PROTECTION

- A. Protect work of other trades, whether being painted or not, against damage by painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect.
- B. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.
 1. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.8 EXTERIOR PAINTING SCHEDULE

- A. Apply paint in strict accordance with manufacturer's recommendations and as specified. Listing order does not indicate preference. Use only one manufacturer throughout Project as conditions allow. Do not intermix manufacturers.
- B. Steel (includes all exterior hollow metal, except for steel canopy structure, guardrails and handrails see below):
 - a. First Coat: Red Oxide Primer (unless shop primed), 1.6 mils.. DFT.
 - 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
 - 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
 - 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.
 - b. Two Coats: gloss enamel, 65 percent or greater on a 60 degree gloss meter. Each coat to be 2.0 mils.. DFT.
 - 1) Benjamin Moore Super Spec HP DTM Acrylic Gloss P29.
 - 2) Dunn Edwards UltraShield Acrylic DTM Gloss.
 - 3) PPG Pitt-Tech Plus Interior/Exterior Gloss, 99-1210, 90 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Acrylic Gloss, B66-650 series, <50 g/L VOC.
- C. Steel (exterior steel canopy structure, guardrails and handrails):
 - a. First Coat: Rust Inhibitor Primer (shop primed),
 - 1) Fabricators standard alkyd rust inhibiting primer.
 - b. Second Coat: Rust Inhibitor Primer 2.0 mils. DFT.
 - 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
 - 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
 - 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.
 - c. Two Coats: Aliphatic Acrylic Urethane, two component aliphatic acrylic urethane. Each coat to be 2.0 mils.. DFT.
 - 1) Benjamin Moore Aliphatic Acrylic Urethane Gloss Finish P74.
 - 2) Carboline Industrial - 134 WB Carbothane by Dunn Edwards.
 - 3) PPG Durethane Water-Based Urethane Gloss, 98-8200, 118 g/L VOC.
 - 4) Sherwin-Williams Water-Based Acrolon 100 Polyurethane Gloss, B65-700 series, <100 g/L VOC
- D. Mechanical Equipment, Piping, Conduits, Ductwork and Galvanized Metal:
 - a. Etching: Etch galvanized metals as specified above.
 - b. First Coat: Alkyd Primer, 2.0 mils. DFT.

- 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
- 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
- 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
- 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.

c. Two Coats: Semi-gloss enamel, 50 to 60 percent on a 60 degree gloss meter. Each coat to be 2.0 mils.. DFT.

- 1) Benjamin Moore Super Spec HP DTM Acrylic Semi-Gloss P29.
- 2) Dunn Edwards UltraShield Acrylic DTM SemiGloss.
- 3) PPG Pitt-Tech Plus Interior/Exterior Semi-Gloss, 99-1210, 90 g/L VOC.
- 4) Sherwin Williams Pro Industrial Acrylic Semi-Gloss, B66-650 series, <50 g/L VOC

E. Concrete Masonry – Paint:

a. First Coat: Acrylic Resin Block Filler, 10.0 mils. DFT.

- 1) Benjamin Moore High Build Acrylic Masonry Primer 068.
- 2) Dunn-Edwards Smooth Block Filler interior / exterior block filler, SBSL 00.
- 3) PPG SPEEDHIDE Interior/Exterior Masonry Hi Fill Latex Block Filler, 6-15, 48 g/L VOC.
- 4) Sherwin-Williams PrepRite Block Filler.

b. Two Coats: Latex Paint, 6 to 10 percent on a 60 degree gloss meter, 1.4 mils.. DFT.

- 1) Benjamin Moore Super Spec 100% Acrylic Flat 183.
- 2) Dunn-Edwards EverShield Exterior Flat.
- 3) PPG SPEED HIDE Exterior Flat 100% Acrylic Latex, 6-610XI, 96 g/L VOC.
- 4) Sherwin Williams A-100 Exterior Latex Flat, A6 series, <50 g/L VOC.

F. Fiber-Reinforced Cement Panels, Eggshell, Acrylic Finish:

a. PPG:

- 1) Primer: Touch-up factory primer as required.
- 2) Second Coat: Manor Hall 79-45, Eggshell, 1.2 – 1.5 mils DFT
- 3) Third Coat: Same as second coat.

b. Kwal:

- 1) Primer : 5862 – Embassy WB E-Z Sand 100% Acrylic Primer (w/touch up)
- 2) Second Coat: 7100 – Liquid Vinyl 100% Acrylic Low Sheen Finish.
- 3) Third Coat: Same as second coat.

G. Wood and Exterior Architectural Woodwork (not scheduled to receive stain) Eggshell, Acrylic Finish:

a. PPG:

- 1) Primer: Speedhide 6-609 Ext. House & Trim Wood Primer, 1.3-1.6 mils DFT.
 - 2) Second Coat: Manor Hall 79-45, Eggshell, 1.2 – 1.5 mils DFT
 - 3) Third Coat: Same as second coat.
- b. Kwal:
- 1) Primer : 5862 – Embassy WB E-Z Sand 100% Acrylic Primer
 - 2) Second Coat: 7100 – Liquid Vinyl 100% Acrylic Low Sheen Finish.
 - 3) Third Coat: Same as second coat.
- H. Concrete Curbs, Parking lot markings, roadway lanes, and crosswalks - Flat Alkyd.
- a. One coat Benjamin Moore Alkyd Safety & Zone Marking paint M56.
- I. Exposed Finished Concrete (Architectural) – Penetrating stain and sealer by Okon when noted on Drawings.

3.9 INTERIOR PAINT SCHEDULE

- A. Gypsum Board – Semi Gloss: At wall surfaces unless noted otherwise
- a. Two Coats: Acrylic Copolymer Latex Primere, 1.5 mils. DFT.
- 1) Benjamin Moore Ultra Spec 500 Interior Primer N534.
 - 2) Dunn-Edwards Enso Low Odor Zero VOC Interior Primer, ENSO00.
 - 3) PPG Pure Performance Interior Latex Primer, 9-900, 0 g/L VOC.
 - 4) Sherwin Williams ProMar 200 Zero VOC Interior Latex Primer, B28W2600, 0 g/L VOC.
- b. Two Coats: Semi-Gloss Latex Enamel, 50 to 60 percent on a 60 degree gloss meter. Each coat to be 1.5 mils. DFT.
- 1) Benjamin Moore Ultra Spec 500 Interior Semi-Gloss Finish N539.
 - 2) Dunn-Edwards Suprema Semi-Gloss Paint 50.
 - 3) PPG Pure Performance Interior Latex Semi-Gloss, 9-500, 0 g/L VOC.
 - 4) Sherwin-Williams ProMar 200 Zero VOC Semi-Gloss B31-2600 series, 0 g/L VOC.
- B. Gypsum Board – Epoxy Semi-Gloss: At areas in close proximity to sinks and throughout Toilet Rooms.
- a. Two Coats: Acrylic Copolymer Latex Primer, 1.5 mils. DFT.
- 1) Benjamin Moore Waterborne Epoxy Primer M08/M09.

- 2) Carboline Sanitile 120 Heavy Duty Bonding Primer (voc 72 g/l) as supplied by Dunn-Edwards.
 - 3) PPG Pure Performance Interior Latex Primer, 9-900, 0 g/L VOC.
 - 4) Sherwin Williams ProMar 200 Zero VOC Interior Latex Primer, B28W2600, 0 g/L VOC.
- b. Two Coats: Two Component Polyamide/Epoxy Resin Coating or waterborne epoxy semi-gloss finish. Each coat to be 4.0 mils.. DFT.
- 1) Benjamin Moore Super Spec HP Acrylic Epoxy Semi-Gloss P43/P43-86.
 - 2) Carboline Sanitile 555 High Performance Waterborne Epoxy (voc 79 g/l) as supplied by Dunn-Edwards.
 - 3) PPG PITT Glaze Interior Semi-Gloss Pre-Catalyzed Water-Borne Acrylic Epoxy, 16-310, 97 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Water-Based Epoxy Semi-Gloss, B73-300 series, <50 g/L VOC.
- C. Concrete and Concrete Masonry Units:
- a. One Prime Coat: Vinyl Acrylic block filler. Each coat to be 2.0 mils. DFT
- 1) Benjamin Moore High Build Acrylic Masonry Primer 068.
 - 2) Dunn-Edwards Smooth Block Filler interior / exterior block filler, SBSL 00.
 - 3) PPG SPEEDHIDE Interior/Exterior Masonry Hi Fill Latex Block Filler, 6-15, 48 g/L VOC.
 - 4) Sherwin-Williams PrepRite Block Filler.
- b. Two Finish Coats: Semi-Gloss Latex Enamel 20 to 50 percent on a 60 degree gloss meter. Each coat to be 1.5 mils.. DFT.
- 1) Benjamin Moore Ultra Spec 500 Interior Semi-Gloss Finish N539.
 - 2) Dunn-Edwards Suprema Semi-Gloss Paint 50.
 - 3) PPG Pure Performance Interior Latex Semi-Gloss, 9-500, 0 g/L VOC.
 - 4) Sherwin-Williams ProMar 200 Zero VOC Semi-Gloss B31-2600 series, 0 g/L VOC.
- D. Ferrous Metals: Hollow metal doors, metal door frames, borrowed light frames, exposed structure, non-galvanized piping and conduit.
- a. First Coat: Red Oxide Primer (unless shop primed), 1.6 mils.. DFT.
- 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
 - 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
 - 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.
- b. Two Coats: Semi-Gloss enamel, 50 to 60 percent on a 60 degree gloss meter. Each coat to be 2.0 mils.. DFT.

- 1) Benjamin Moore Super Spec HP DTM Acrylic Semi-Gloss P29.
- 2) Dunn Edwards UltraShield Acrylic DTM SemiGloss.
- 3) PPG Pitt-Tech Plus Interior/Exterior Semi-Gloss, 99-1210, 90 g/L VOC.
- 4) Sherwin Williams Pro Industrial Acrylic Semi-Gloss, B66-650 series, <50 g/L VOC.

E. Steel (interior guardrails, handrails and all steel stair elements):

- a. First Coat: Rust Inhibitor Primer (shop primed),
 - 1) Fabricators standard alkyd rust inhibiting primer.
- b. Second Coat: Rust Inhibitor Primer 2.0 mils. DFT.
 - 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
 - 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
 - 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.
- c. Two Coats: Aliphatic Acrylic Urethane, two component aliphatic acrylic urethane. Each coat to be 2.0 mils.. DFT.
 - 1) Benjamin Moore Aliphatic Acrylic Urethane Gloss Finish P74.
 - 2) Carboline Industrial - 134 WB Carbothane by Dunn Edwards.
 - 3) PPG Durethane Water-Based Urethane Gloss, 98-8200, 118 g/L VOC.
 - 4) Sherwin-Williams Water-Based Acrolon 100 Polyurethane Gloss, B65-700 series, <100 g/L VOC

F. Galvanized Metals:

- a. Etching: Etch galvanized metals as specified above.
- b. First Coat: Acrylic Primer, 20 mils. DFT.
 - 1) Benjamin Moore Super Spec HP Acrylic Primer PO4.
 - 2) Dunn-Edwards Bloc-Rust Premium WH BRPROO-1-WH.
 - 3) PPG Pitt-Tech Interior/Exterior Primer/Finish DTM, 90-712, 123 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Pro-Cryl Universal Primer, B66-310 series, <100 g/L VOC.
- c. Two Coats: Semi-Gloss Enamel, 50 percent-60 percent on a 60 degree gloss meter, 2.0 mils.. DFT.
 - 1) Benjamin Moore Super Spec HP DTM Acrylic Semi-Gloss P29.
 - 2) Dunn Edwards UltraShield Acrylic DTM SemiGloss.
 - 3) PPG Pitt-Tech Plus Interior/Exterior Semi-Gloss, 99-1210, 90 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Acrylic Semi-Gloss, B66-650 series, <50 g/L VOC.

G. Plumbing, Heating, Ventilating and Electrical Items:

- a. General: Exposed unpainted, prime coat painted, and insulated items, hangers, straps, junction boxes, and ducts of plumbing, heating, air conditioning, and ventilating and electrical work shall be painted in finished space where exposed.
- b. Insulated or Wrapped Work: First Coat as recommended by paint manufacturer, Two Coats - Semi Gloss Latex Enamel 50 to 60 percent on a 60 degree gloss meter, 1.3 mils.. DFT.
 - 1) Benjamin Moore Super Spec HP DTM Acrylic Semi-Gloss P29.
 - 2) Dunn Edwards UltraShield Acrylic DTM SemiGloss.
 - 3) PPG Pitt-Tech Plus Interior/Exterior Semi-Gloss, 99-1210, 90 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Acrylic Semi-Gloss, B66-650 series, <50 g/L VOC.
- c. Non-Insulated Work: Two Coats – SemiGloss Latex Enamel 50 to 60 percent on a 60 degree gloss meter. Each coat to be 1.5 mils. DFT.
 - 1) Benjamin Moore Super Spec HP DTM Acrylic Semi-Gloss P29.
 - 2) Dunn Edwards UltraShield Acrylic DTM SemiGloss.
 - 3) PPG Pitt-Tech Plus Interior/Exterior Semi-Gloss, 99-1210, 90 g/L VOC.
 - 4) Sherwin Williams Pro Industrial Acrylic Semi-Gloss, B66-650 series, <50 g/L VOC.

H. Intumescent Paint: At plywood telephone backer boards and electrical panels.

- a. First Coat:
 - 1) Benjamin Moore Regal First Coat 216
 - 2) Carboline Sanitile 120 Heavy Duty Bonding Primer (voc 72 g/l) as supplied by Dunn-Edwards.
 - 3) PPG Pure Performance Interior Latex Primer, 9-900, 0 g/L VOC.
 - 4) Sherwin Williams ProMar 200 Zero VOC Interior Latex Primer, B28W2600, 0 g/L VOC.
- b. Two Coats:
 - 1) Benjamin Moore Latex Fire Retardant Coating M59.
 - 2) Carboline Nulifire S607 Waterborne Intumescent Coating (voc 116 g/l) as supplied by Dunn-Edwards.
 - 3) PPG Albi Fire Retardant Coating as supplied by PPG.
 - 4) Sherwin Williams Flame Control 2020.

I. Waterborne Acrylic Dry Fall: At Tectum wall/ceiling tile.

- a. Two Coats:
 - 1) Sherwin Williams Waterborne Acrylic Dry Fall B42W1

J. Sealed or Epoxy Coated Floors:

a. Two Coats:

- 1) Sherwin Williams General Polymers 3479 Water-Based Epoxy
- 2) Tint color to be selected by Architect

END OF SECTION 09 9100

SECTION 10 1100 - VISUAL DISPLAY SURFACES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Markerboards and tackboards.

1.2 RELATED SECTIONS

- A. Section 09 29 00 - Gypsum Board: Concealed supports in metal stud walls.
- B. Section 09 91 00 - Painting: Finishing of wood frame and chalk rail.

1.3 REFERENCES

- A. AHA A135.4 - Basic Hardboard; American Hardboard Association; 1995.
- B. ASTM A 424 - Standard Specification for Steel, Sheet, for Porcelain Enameling; 1996.
- C. ASTM C 208 - Standard Specification for Cellulosic Fiber Insulation Board; 1995.
- D. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 1997a.
- E. FS CCC-W-408 - Wall Covering, Vinyl-Coated; Federal Specifications and Standards; Revision D, 1994.
- F. FS L-P-1040 - Plastic Sheets and Strips (Polyvinyl Fluoride); Federal Specifications and Standards; Revision B, 1977.
- G. 1/8" cork sheet
 - 1. Provide in largest practical sizes to minimize seams.

1.4 SUBMITTALS

- A. LEED REQUIREMENTS.
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Product Data: Provide manufacturer's data on chalkboard, markerboard, tackboard, tackboard surface covering, trim, and accessories.
- C. Shop Drawings: Indicate wall elevations, dimensions, joint locations.
- D. Samples: Submit color charts for selection of color and texture of chalkboard, markerboard, tackboard, tackboard surface covering and trim.

- E. Test Reports: Show conformance to specified surface burning characteristics requirements.
- F. Manufacturer's printed installation instructions.
- G. Maintenance Data: Include data on regular cleaning, stain removal.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.6 WARRANTY

- A. See Section 01 77 00 - Closeout Procedures, for additional warranty requirements.
- B. Provide five year warranty for chalkboard, markerboard and projection screens to include warranty against discoloration due to cleaning, crazing or cracking, and staining.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS.

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURERS

- A. Visual Display Boards:
 - 1. Aywon Chalkboard, Inc.
 - 2. Claridge Products and Equipment, Inc.
 - 3. Greensteel
 - 4. Nelson Adams
 - 5. ADP Lemco Inc
 - 6. Best-Rite
 - 7. Aarco Products Inc.
 - 7. Substitutions: See Section 01 6000 - Product Substitution Requirements

2.3 VISUAL DISPLAY BOARDS

- A. Markerboards: Porcelain enamel on steel, laminated to core.
 - 1. Color: As selected by Architect from manufacturer's full range.

2. Metal Face Sheet Thickness: 0.024 inch (24 gage).
 3. Core: Hardboard, 1/2 inch thick, laminated to face sheet.
 4. Backing: Aluminum foil, laminated to core.
 5. Size: As indicated on drawings.
 6. Frame: Aluminum
 7. Frame Profile: 2 inches
 8. Frame Finish: Anodized, natural.
 9. Accessories: Provide marker tray, map rail, 2" map hanger and flag holder (provide a minimum of two flag holders per space where marker boards are installed).
- B. Tackboards: Fine-grained, homogeneous natural cork.
1. Cork Thickness: 1/8 inch.
 2. Fabric: Vinyl coated fabric, Color as selected from manufacturer's full range.
 3. Backing: Hardboard, 3/8 inch thick, laminated to tack surface.
 4. Surface Burning Characteristics: Flame spread index of 25, maximum, and smoke developed index of 450, maximum, when tested in accordance with ASTM E 84.
 5. Size: As indicated on drawings.
 6. Frame: Same type and finish as for markerboard.
 7. Frame Profile: 2 inches
 8. Frame Finish: Anodized, natural.
 9. Accessories: Provide map rail, 2".
- C. Combination Units and Units Made of More Than One Panel: Factory-assembled chalkboards, markerboards, and tackboards in a single frame, of materials specified above.
1. Join panels of different construction with H-shaped extruded aluminum molding finished to match frame.
 2. Configuration: 1 inch wide.
 3. Units Too Large to Ship Assembled: Fully assembled in factory, then disassembled for shipping.

2.4 MATERIALS

- A. Porcelain Enameled Steel Sheet: ASTM A 424, Type I, commercial quality, with fired-on vitreous finish.
- B. Vinyl-Coated Fabric: FS CCC-W-408; Type III - heavy; Class 2 - mildew resistant; clear top overcoat of polyvinyl fluoride in accordance with FS L-P-1040 Type 1, Grade B, Class 2, 0.0005 inch thick.
- C. Hardboard for Cores: AHA A135.4, Class 1 - Tempered, S2S (smooth two sides).
- D. Fiber Board: ASTM C 208, cellulosic fiber board.
- E. Foil Backing: Aluminum foil sheet, 0.005 inch thick.
- F. Adhesives: Type used by manufacturer.
- G. Cork Sheet: Premium Grade, fine grain, natural tan 48-inch wide stock. Bangor Cork or equivalent. Adhesive as recommended by manufacturer.

2.5 ACCESSORIES

- A. Map Rail: Extruded aluminum, manufacturer's standard profile, with cork insert and runners for accessories; 1 inch wide overall, full width of frame.
- B. Map Supports: Formed aluminum sliding hooks and roller brackets to fit map rail.
- C. Temporary Protective Cover: Sheet polyethylene, 8 mil thick.
- D. Flag Holders: Cast aluminum bored to receive 1 inch diameter flag staff, bracketed to fit top rail of board. Furnish and install two (2) flag holders per space where display surface is shown.
- E. Cleaning Instruction Plate: Provide instructions for chalkboard cleaning on a metal plate fastened to perimeter frame near chalkrail.
- F. Chalk Tray: Aluminum, manufacturer's standard profile one piece full length of chalkboard, closed ends; concealed fasteners, same finish as frame.
- G. Mounting Brackets: Concealed.

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS.

- A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table
 - i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that internal wall blocking is ready to receive work and positioning dimensions are as instructed by the manufacturer.

3.3 INSTALLATION

- A. Install boards in accordance with manufacturer's instructions.
- B. See Section 06 1000 for placement of concealed supports in wall construction.
- C. Install with top of chalk tray as indicated on the drawings.
- D. Secure units level and plumb.
- E. Butt Joints: Install with tight hairline joints.
- F. Carefully cut holes in boards for thermostats, wall switches, and Call buttons, where required.

- G. Attach sheet cork to wall board with adhesive. Application and installation per sheet cork manufacturer's recommendations.

3.4 CLEANING

- A. Clean board surfaces in accordance with manufacturer's instructions.
- B. Cover with protective cover, taped to frame.
- C. Remove temporary protective cover at date of Substantial Completion.

3.5 SCHEDULE

- A. See Drawings for Visual Display Surfaces locations and sizes.

END OF SECTION 10 1100

SECTION 10 1400 – SIGNAGE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Interior Room and Wayfinding Signage
- B. Dedication Plaque

1.2 QUALITY ASSURANCE

- A. Signs shall be designed and installed for use by handicapped persons in accordance with ANSI A117.7

1.3 SUBMITTAL

A. LEED REQUIREMENTS.

- i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Submit shop drawings listing sign size, letterform and letter heights. Submit a schedule for owner review and approval including all building signage – room name, number & other text that will be printed on the changeable insert. Owner/Architect will provide “artwork” for printed background insert that will be printed and installed by the sign manufacturer.
- C. Submit shop drawing for the Dedication Plaque.
- D. Submit manufacturer's technical data and method of installation for each type of sign required.
- E. Submit one full size sample sign of type, style and color specified, including method of attachment.
- F. Submit supplier's standard color samples for purposes of color selection and verification. Color samples must be actual materials used in signage, printed color charts are not acceptable.
- G. Manufacturers must submit 3 references showing products for projects completed within the last 3 years.
- H. Submit copy of manufactures product warranty.

Comment [SBS1]: KEEP INF?

PART 2 PRODUCTS

2.1 LEED REQUIREMENTS.

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.

ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURER

- A. Diversity sign system by Century Sign Builders. 2117 Commercial St NE. Albuquerque, NM 87102. Telephone: (505) 888-2901. Fax: (505) 888-2902. Email: hello@csbsigns.com. www.csbsigns.com (Basis of Design).
- B. Sign Source
- C. Best Signs
- D. ARI Graphix
- E. Manufacturers of equivalent products submitted and approved in accordance with Section 01 6300 - Product Substitution Procedures.

2.3 FABRICATION / MATERIALS

- A. Diversity Signs shall be constructed to be code compliant (see 1.02a). Each sign will have the following components where applicable:
 - 1. ADA Lens
 - A. Tactile lettering and symbols shall be formed using rotary engraving method and bonded to sign plaque using 3M Scotch 467HP adhesive. Text, numbers and symbols must have 1/32" return cut to 22 degree angle. Text, numbers, and symbols must be constructed with materials having embedded coloration that is the final approved color for the signs. Products with painted or otherwise applied coloration method are not acceptable.
 - B. Text shall be accompanied by Grade 2 raster Braille on signs requiring Braille.
 - C. All text, numbers and/or symbols shall have a contrast (dark on light) to the digital print background color of the sign as required by ADA regulations.
 - D. Sign lens, text, numbers and symbols shall have a matte or eggshell finish.
 - E. Sign lens shall be constructed using 0.0625" single-ply non-glare acrylic multipolymer material.
 - 2. Clear Lens Only – for Wayfinding Signs
 - A. Sign lens shall be constructed using 0.0625" single-ply non-glare acrylic multipolymer material.
 - 3. Changeable Insert
 - A. Changeable message insert will be fabricated from commonly available transparency media no less than 5 mil thick that is compatible with inkjet or laser printers such as 3M CG3710 or equivalent.
 - B. Manufacturer is to provide all changeable inserts for signs for the initial order.
 - C. Manufacturer will provide template file to end-user, allowing for changes to the inserts to be created. Provided file must integrate with client's already

existing software environment and must not require the implementation of new or proprietary software.

4. Printed Background Opaque Insert

- A. Printed Background Opaque Insert will be created using a satin-coated, tear-resistant, rigid PVC media with a waterfast coating.
- B. Printed background inserts must be manufactured in color managed workflow with the following capacities:
 - a. All printing must be done using a profiled printer with transmissible ICC profile.
 - b. All approved colors used in final design must have LAB values recorded and submitted to architect owner for future reference and duplication.
 - c. Printing must be performed on calibrated printer such that future orders of insert can be reproduced within 5 Delta E of recorded LAB values.

5. Curved Aluminum Sign Frame & End Caps

- A. Provide aluminum sign frame with a curved (convex) front surface as produced by Vista Sign System Inc. Sign insert are to conform uniformly to curved face.
- B. Aluminum frames shall be constructed from a cut aluminum extrusion with a profile that creates a curved face, a retaining rail (to hold sign insert) at the extreme edges and a continuous plane along rear (back) or sign frame to allow for mounting.
- C. Aluminum frame shall be capable of containing both the opaque insert and changeable insert behind the clear ADA ABA AG, 2004 ED. insert (which it also must contain).
- D. Aluminum frame allows that inserts are changeable but can not be accessed without a tool or implement and do require any part of the frame be disassembled to change the insert. Inserts may be removed with a suction cup.
- E. Aluminum sign frame shall be satin aluminum, painted black, or anodized gold as specified by architect.
- F. ABS plastic end caps shall be available in a grey or black color as specified by architect.
- G. Aluminum end caps shall be satin aluminum or anodized black as specified by architect.

2.4 SIGN DESIGN

- A. Manufacturer's price is to include the design of the Printed Background Insert and the standard text template for the Transparency. The architect will provide sign schedule with room numbers and corresponding room function or occupant's name and tile (if applicable). Manufacturer's price is to include preparation of vector based graphics from those provided by owner.
- B. Sign Schedule: (Furnish and install signs at all spaces)
 - 1. Diversity:
 - a. Primary spaces: D6X8CPT
 - b. Office: D3X6CPT
 - c. Private Restroom: D6X8CPT
 - a. Group Restroom/no doors: D8X8CP

- b. Stor/Mech/Elec/Support Spaces: D4X6CPT
- c. Evacuation Plan Holder: D8.5X11VP
- d. Exit sign: D3x5CP

C. Cast Aluminum letters to be font and size shown in drawings. Finish is to be natural satin with a semi-gloss finish, material to be 319 Alloy/514 Alloy. Mounting is to be blind stud mounted with studs set in adhesive. Concealed mounted letters.

1. Acceptable Manufacturer or Manufacturer's Representative

- A. Gemini Incorporated
103 Mensing Way
Cannon Falls, MN 55009
Phone: 800-538-8377 or 507-263-3957
Fax: 800-421-1256 or 507-263-4887
Email: sales@signletters.com
Web: www.signletters.com

D. See dedication plaque detail at the end of this section.

PART 3 EXECUTION

3.1 LEED REQUIREMENTS.

A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table

- i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 INSTALLATION

- A. Signs shall be mounted using double vinyl foam tape (1/16" thickness), silicon adhesive, or concealed drywall screws when mounted to walls.
- B. Mounting height of all ADA required signage shall be in accordance with ICC/ANSI A117.1-current edition.
- C. If condition 3.01 B cannot be met, approval may be given to install in alternate location.
- D. If a sign should need to be mounted on an interior window (side light) apply a 1/32" ADA alternative (color to be selected by architect) cover to the surface of glass, then mount sign (as above) to cover in such a way that mounting method is not visible from interior of room.

3.3 CLEANING AND MAINTENANCE

- A. The signs in the building are made primarily from a laminated acrylic plastic. In addition, the signs have a waterfast digital print and transparency under a clear, laminated acrylic lens. Therefore, it is imperative when cleaning the sign never to spray anything directly on the sign. A feather duster is recommended for dust removal. For removing smudges or streaks, apply a cleaner (see below) on a soft, lint-free rag and wipe the sign. The following

cleaners are approved: (only spray on the rag - Do Not Spray Directly On The Sign):

- Any household glass cleaner (such as Windex)
- Denatured Alcohol
- Warm water and a very mild soap

B. The following cleaners and solvents should never be used to clean your building's signs:

- NO Acetone • NO Paint Thinner • NO Mineral Spirits
- NO products containing bleach • NO "bathroom" cleaners

3.4 CLOSE OUT DOCUMENTATION

- A. Provide copy of manufacturer's recommended care and cleaning methods
- B. Provide written copy of manufacturer's warranty and contact.
- C. Provide template file to end-user as described in Part 2 Section 2.02.A.2.2.

3.5 WARRANTY

- A. Interior signage must be provided with an unconditional manufacturer's building lifetime warranty.

Dedication Plaque shown on following page.

SECTION 10 2113 - TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes solid-polymer units as follows:
 - 1. Toilet Enclosures: Floor Mounted, Overhead Braced.
 - 2. Urinal Screens: Floor Supported, Overhead Braced.
- B. Related Sections include the following:
 - 1. Division 6 Section "Rough Carpentry" for blocking to attach wall mounted brackets.
 - 2. Division 10 "Toilet and Bath Accessories" for toilet tissue dispensers, grab bars, and similar accessories.

1.3 SUBMITTALS

- A. LEED REQUIREMENTS.
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- C. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locations of cutouts for compartment-mounted toilet accessories.
 - 2. Show locations of reinforcements for compartment-mounted grab bars.
- D. Samples for Initial Selection: For each type of unit indicated.
- E. Samples for Verification: Of each type of color and finish required for units, prepared on 6-inch- (150-mm-) square Samples of same thickness and material indicated for Work.

1.4 QUALITY ASSURANCE

- A. Comply with requirements in CID-A-A-60003, "Partitions, Toilets, Complete."

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify actual locations of walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits

2.2 SOLID-POLYMER UNITS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Accurate Partitions Corporation.
 - 2. Bradley Corporation; Mills Partitions.
 - 3. Capitol Partitions, Inc.
 - 4. Comtec Industries.
 - 5. Global Steel Products Corp.
 - 6. Metpar Corp.
 - 7. Santana Products, Inc.
 - 8. Bobrick Washroom Equipment, Inc.
- C. Toilet-Enclosure Style: Floor Mounted, Overhead Braced.
- D. Urinal-Screen Style: Floor Supported, Overhead braced.
- E. Door, Panel and Pilaster Construction: Solid, high-density polyethylene (HDPE). panel material, not less than 1 inch (25 mm) thick, seamless, with eased edges and with homogenous color and pattern throughout thickness of material.
 - 1. Integral Hinges: Configure doors and pilasters to receive integral hinges.
 - 2. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
 - 3. Color and Pattern: As noted on drawings.
- F. Pilaster Shoes and Sleeves (Caps):
 - 1. Pilaster shoes to be anchored to the finish floor with #14 x 1 ½" stainless steel phillips head screws and plastic anchors. Base assembly to be concealed with 3" high 20 gage

stainless steel pilaster shoe, through bolted to pilaster with stainless steel, tamper resistant sex bolts.

- G. Urinal-Screen Post: Manufacturer's standard post design of 1-3/4-inch- (44-mm-) square, aluminum tube with satin finish; with shoe and sleeve (cap) matching that on the pilaster.
- H. Brackets (Fittings):
 - 1. Full-Height (Continuous) Type: Manufacturer's standard design; stainless steel.
- I. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip fastened to exposed bottom edges of solid-polymer components to prevent burning.

2.3 ACCESSORIES

- A. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories.
- B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with anti-grip profile and in manufacturer's standard finish.
- C. Support Posts for Urinal Screens: Manufacturer's standard aluminum post with floor shoe for anchoring to floor construction.
- D. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use hot-dip galvanized or other rust-resistant, protective-coated steel.

2.4 FABRICATION

- A. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions. Provide shoes at pilasters to conceal supports and leveling mechanism.
- B. Doors: Unless otherwise indicated, provide 24-inch- (610-mm-) wide in-swinging doors for standard toilet compartments and 36-inch- (914-mm-) wide out-swinging doors with a minimum 32-inch- (813-mm-) wide clear opening for compartments indicated to be accessible to people with disabilities.
 - 1. Hinges: Manufacturer's standard self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees.
 - 2. Latch and Keeper: Manufacturer's standard surface-mounted latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Door latch shall be aluminum slide. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be accessible to people with disabilities.
 - 3. Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.

4. Door Bumper: Manufacturer's standard rubber-tipped bumper at out-swinging doors. Cast alloy chrome plated coat hook and bumper.
5. Door Pull: Manufacturer's standard unit at out-swinging doors that complies with accessibility requirements of authorities having jurisdiction. Provide units on both sides of doors at compartments indicated to be accessible to people with disabilities.

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS

A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table

i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
 1. Maximum Clearances:
 - a. Pilasters and Panels: 1/2 inch (13 mm).
 - b. Panels and Walls: 1 inch (25 mm).
 2. Stirrup Brackets: Secure panels to walls and to pilasters with continuous brackets.
 - a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
 - b. Align brackets at pilasters with brackets at walls.
- B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches (44 mm) into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels, and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Urinal Screens: Attach with anchoring devices to suit supporting structure. Set units level and plumb, rigid, and secured to resist lateral impact

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

3.3 CLEANING

- A. Field touch-up of scratches or defaced finish will not be permitted. Damaged, scratched or marred defective materials will be rejected, and shall be replaced with new materials.
- B. Remove protective masking. Clean surfaces free of oil and imperfections.

END OF SECTION 10 2113

SECTION 10 2600 - WALL PROTECTION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Corner guards.

1.3 REFERENCES

- A. ASTM E 119 - Standard Test Methods for Fire Tests of Building Construction and Materials; current edition.

1.4 PERFORMANCE REQUIREMENTS

- A. Corner Guards: Resist lateral impact force of 100 lbs at any point without damage or permanent set.

1.5 SUBMITTALS

- A. LEED REQUIREMENTS.
 - i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.
- B. Product Data: Indicate physical dimensions, features, anchorage details, and rough-in measurements.
- C. Samples: Submit two sections of corner guard, 12 inch long, illustrating component design, configuration, color and finish.

1.6 QUALITY ASSURANCE

- A. Fire Resistance: Where fire ratings are specified for components, provide assemblies that have been tested and rated in accordance with ASTM E 119.

1.7 PROJECT CONDITIONS

- A. Coordinate the work with wall or partition sections for installation of concealed blocking or anchor devices.

PART 2 – PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURERS

- A. Wall and Corner Guards:
 - 1. Arden Architectural Specialties, Inc.
 - 2. Construction Specialties, Inc.
 - 3. JL Industries
 - 4. Substitutions: See Section 01 6300 - Product Substitution Requirements.

2.3 COMPONENTS

- A. Corner Guard - Surface Mounted: Extruded one-piece unit, installed with screws. Typical at all exposed corner locations where tile is not indicated on either face in Restrooms or where noted on Drawings.
 - 1. Material: Stainless Steel.
 - 2. Size: 3 inches both sides by full height of wall.
 - 3. Length: One piece.
- B. Corner Guard – Surface Mounted: Extruded one-piece unit, installed with screws. Typical at all external corners in gypsum board corners in all Corridors and Vestibules and where noted on Drawings.
 - 1. Material: Stainless Steel
 - 2. Size: 3 inches both sides by 4'-0" high
 - 3. Length: One piece.
- C. Mounting Brackets and Attachment Hardware: Appropriate to component and substrate.

2.4 FABRICATION

- A. Fabricate components with tight joints, corners and seams.
- B. Pre-drill holes for attachment.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that rough-in for components are correctly sized and located.

- B. Verify that field measurements are as indicated on Drawings.

3.2 INSTALLATION

- A. Install components in accordance with manufacturer's instructions, level and plumb, secured rigidly in position to wall framing members only.
- B. Position corner guard 4" above finished floor to 52 inches.

END OF SECTION 10 2600

SECTION 10 2800 – TOILET AND BATH ACCESSORIE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Accessories for toilet rooms.
- B. Grab bars

1.2 RELATED SECTIONS

- A. Section 102113 - Toilet Compartments.

1.3 REFERENCES

The references listed below are declared to be a part of these specifications, the same as if fully set forth, except as modified herein. Unless specifically stated otherwise, the edition or revision of each document in effect at the beginning of work on this project shall be used.

- A. ASTM A 123/A 123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- B. ASTM A 269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
- C. ASTM A 653/A 653M - Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- D. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- E. ASTM B 456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- F. ASTM C 1036 - Standard Specification for Flat Glass.
- G. FS DD-M-411 - Mirrors, Glass; Federal Specifications and Standards.
- H. ADA ABA AG, 2004 ED.
- I. NFPA 5000, 2018 ED

1.4 SUBMITTALS

A. LEED REQUIREMENTS.

- i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.

- B. Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

i. Mirrors need to be custom, frameless type.

1.5 COORDINATION

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURERS

- A. Products listed are made by Bobrick Washroom Equipment, Inc. All specifications for basis of design product must be met.
- B. Other Acceptable Manufacturers:
 - 1. American Specialties, Inc.
 - 2. Bobrick Washroom Equipment, Inc.
 - 3. Bradley Corp.
 - 4. Substitutions: Section 01630 - Product Options and Substitutions.
- C. All items of each type to be made by the same manufacturer.

2.3 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
 - 1. Grind welded joints smooth.
 - 2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.
- B. Keys: Provide two (2) keys for each accessory to Owner; master key all lockable accessories.
- C. Stainless Steel Sheet: ASTM A 666, Type 304.
- D. Stainless Steel Tubing: ASTM A 269.
- E. Galvanized Sheet Steel: ASTM A 653/A 653M, G90/Z275.

- F. Mirror Glass: Float glass, Type I, Class 1, Quality q2 (ASTM C 1036), with silvering, copper coating, and suitable protective organic coating to copper backing in accordance with FS DD-M-411.
- G. Adhesive: Two component epoxy type, waterproof.
- H. Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof, security type.
- I. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.4 FINISHES

- A. Stainless Steel: No. 4 satin brushed finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B 456, SC 2, satin finish, unless otherwise noted.
- C. Baked Enamel: Pre-treat to clean condition, apply one coat primer and minimum two coats epoxy baked enamel.
- D. Galvanizing for Items other than Sheet: ASTM A 123/A 123M to 1.3 oz/sq yd. Galvanize ferrous metal and fastening devices.
- E. Back paint components where contact is made with building finishes to prevent electrolysis.

2.5 TOILET ROOM ACCESSORIES

- 1. Surfaced Mounted Roll-Paper-Towel Dispenser – Type 304 stainless steel with all-welded construction. Satin Finish.
 - a. Bobrick B-2860
- 2. Surface Mounted Soap dispenser – Type 304 stainless steel. Satin Finish.
 - a. Bobrick B-2112
- 3. Recessed Convertible Paper Towel dispenser and Waste Receptacle – Type 304 stainless steel. Touch-free roll towel dispenser. Satin Finish.
 - a. Bobrick B-3961
- 4. Glass Mirror with Stainless Steel Angle Frame.
 - a. Bobrick B-290 (dimension as shown on drawings)
- 5. Grab Bars - Stainless steel, non-slip grasping surface finish, concealed flange mounting; 1-1/2 inches clearance between wall and inside of grab bar.
 - a. Bobrick B-6806 (dimensions as shown on drawings)
- 6. Surface Mounted Sanitary Napkin Disposal – Type 304 stainless steel with all-welded construction. Satin Finish.
 - a. Bobrick B-254
- 7. Surface Mounted Multi-Roll Toilet Tissue Dispenser – Type 304 stainless steel with all-welded construction. Satin Finish

- a. Bobrick B-2888
- 8. Surface Mounted Towel Shelf with Towel Bar – Type 304 Stainless Steel. Bright Polish Finish
 - a. Bobrick B-676
- 9. Solid Phenolic Folding Shower/Dressing Area Seat
 - a. Bobrick B-5191
- 10. Baby Changing Station – Type 304 stainless steel. Satin Finish. Molded high-density polyethylene with Micorban antimicrobial interior.
 - a. Koala Kare Products KB110-SSWM
- 11. Heavy Duty Shower Curtain Rod – Type 304 stainless steel. Satin Finish.
 - a. Bobrick B-6107 (length as shown on drawings)
- 12. Mop Rack: Type 304 Stainless Steel with satin finish, 24” long with three (3) holders, spring loaded rubber cam holders.
 - a. Product: B-223 manufactured by Bobrick.
- 13. Shower Curtain; Heavy duty Vinyl with nickel plated grommets and hooks.
 - a. Product: B-204-3 manufactured by Bobrick. See Plans for length

PART 3 - EXECUTION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. Verify that field measurements are as indicated on drawings.
- D. See Section 06 1000 for installation of blocking, reinforcing plates, and concealed anchors in walls and ceilings.

3.2 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.3 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings:

END OF SECTION 10 2800

SECTION 10 4400 - FIRE EXTINGUISHERS & CABINETS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Mounting Brackets
- D. Accessories.

1.2 RELATED SECTIONS

- A. Section 06 1000 – Rough Carpentry.

1.3 REFERENCES

- A. NFPA 10, 2018 ED. - Standard for Portable Fire Extinguishers; National Fire Protection Association; current edition.
- B. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.4 PERFORMANCE REQUIREMENTS

- A. Conform to NFPA 10, 2018 ED.
- B. Provide Extinguisher and Cabinet from single manufacturer
- C. Provide extinguishers classified and labeled by Underwriters Laboratories Inc. for the purpose specified and indicated.

1.5 SUBMITTALS

- A. LEED REQUIREMENTS.

i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.

- B. Product Data: Provide color and finish and anchorage details.
- C. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination

requirements.

PART 2 PRODUCTS

2.1 LEED REQUIREMENTS

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MANUFACTURERS

- A. Fire Extinguishers, Cabinets and Accessories:
 - 1. JL Industries, Inc.
 - 2. Larsen's Manufacturing Co.
 - 3. Potter-Roemer.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.

2.3 FIRE EXTINGUISHERS

- A. Five (5) pound multi-purpose chemical type fire extinguishers; MP-5 by Larsen's Manufacturing.
 - 1. Location: All areas, except Kitchen.
- B. Wet-Chemical Type : UL-rated 2-A:1-B:C:K, 1.6-gal. (6-L) nominal capacity, with potassium acetate based chemical in stainless-steel container; with pressure-indicating gage. Basis of Design: Larsen's Manufacturing Co. WC-6L – mounted on standard surface mounted bracket 1007.
 - 1. Location: Kitchen.

2.4 FIRE EXTINGUISHER CABINETS

- A. Cabinet Configuration: Semi-recessed type: Larsen 2409-6R at non-rated walls, FS 2409-6R at fire-rated walls. Fully-recessed type: 2409-R2. Surface mounted: 2409-SM.
 - 1. Cabinet box: 9 1/2 by 24 by 6 inches formed steel box, 18 gage with white baked enamel finish.
 - 2. Trim: Returned to wall surface with 2 1/2" rolled edges for semi-recessed type; 5/16" rolled edges for fully recessed type.
 - 3. Form cabinet enclosure with right angle inside corners and seams. Form perimeter trim and door stiles.

- B. Door: 0.036 inch thick, reinforced for flatness and rigidity; lock with break glass access. Hinge doors for 180 degree opening with two butt hinge. Provide nylon catch.
- C. Door Glazing: Full Glass, clear, 1/8 inch thick float. Set in resilient channel gasket glazing.
- D. Cabinet Mounting Hardware: Appropriate to cabinet. Pre-drill for anchors.
- E. Weld, fill, and grind components smooth.
- F. Finish of Cabinet Exterior Trim and Door: Baked enamel, white color suitable for field painting.
- G. Finish of Cabinet Interior: White enamel.

2.5 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, chrome-plated.
- B. Signage:
 - 1. Identify fire extinguisher in cabinets with "FIRE EXTINGUISHER" lettering applied to door. Provide letter in size, style and location per jurisdictional authorities requirements.
 - 2. Identify bracket-mounted fire extinguishers with "FIRE EXTINGUISHER" in red letter decals applied to wall surface. Use letter size, style and location as directed by Architect.
 - 3. Identify valve cabinets with "FIRE DEPARTMENT CONNECTION" lettering applied to door glazing. Provide letter in size, style and location per jurisdictional authorities requirements

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings, 48 inches from finished floor to fire extinguisher operating mechanism.
- C. Secure rigidly in place.
- D. Place extinguishers in cabinets or on surface mounted brackets where noted.
- E. Position cabinet signage as noted in Part 2.

3.3 SCHEDULES

- A. Provide where indicated on the Drawings and as noted in subparagraph 2.02 of this Section.

END OF SECTION 10 4400

SECTION 10 5113 - METAL LOCKERS

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. Heavy-duty metal corridor lockers.

1.3 ACTION SUBMITTALS

A. LEED REQUIREMENTS

- i. Refer to specification Section 01 8113 Part 1.5 for LEED product submittal requirements.

- B. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of metal locker and bench.
- C. Shop Drawings: For metal lockers. Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locker trim and accessories.
 - 2. Include locker identification system and numbering sequence.
- D. Samples for Initial Selection: For units with factory-applied color finishes.
- E. Samples for Verification: For metal lockers in manufacturer's standard sizes.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Warranty: Sample of special warranty.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.
- B. Source Limitations: Obtain metal lockers, locker benches, and accessories from single source from single manufacturer.
- C. Regulatory Requirements: Where metal lockers and benches are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) and ICC/ANSI A117.1 & Americans with Disabilities Act and Architectural Barriers Act Accessibility Guidelines (ADA ABA AG) 2004 ED.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver metal lockers until spaces to receive them are clean, dry, and ready for their installation.

1.8 PROJECT CONDITIONS

- A. Field Measurements: Verify actual dimensions of recessed openings by field measurements before fabrication.

1.9 COORDINATION

- A. Coordinate sizes and locations of wood bases for metal lockers.
- B. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of work specified in other Sections to ensure that metal lockers can be supported and installed as indicated.

1.10 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal lockers that fail in materials or workmanship, excluding finish, within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Faulty operation of latches and other door hardware.

2. Damage from deliberate destruction and vandalism is excluded.
3. Warranty Period for All-Welded Metal Lockers: Lifetime.

PART 2 - PRODUCTS

2.1 LEED REQUIREMENTS.

- A. Provide submittals as required by Section 01 8113 Supplemental Table(s):
 - i. Submittal Requirements for LEED v4 Materials and Resources Credits.
 - ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

2.2 MATERIALS

- A. Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B, suitable for exposed applications.
- B. Expanded Metal: ASTM F 1267, Type II (flattened), Class I, 3/4-inch steel mesh, with at least 70 percent open area.
- C. Stainless-Steel Sheet: ASTM A 666, Type 304.
- D. Plastic Laminate: NEMA LD 3, Grade HGP.
- E. Steel Tube: ASTM A 500, cold rolled.
- F. Fasteners: Zinc- or nickel-plated steel, slotless-type, exposed bolt heads; with self-locking nuts or lock washers for nuts on moving parts.
- G. Anchors: Material, type, and size required for secure anchorage to each substrate.
 1. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls, for corrosion resistance.
 2. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

2.3 HEAVY-DUTY METAL LOCKERS

1. Basis-of-Design Product: Subject to compliance with requirements, provide DeBourgh Mfg. Co Corregidoor Heavy Duty All Welded Locker or comparable product by one of the following:
 2. Lyon Workspace Products, LLC.
 3. Art Metal Products.
 4. List Industries Inc.
 5. Penco Products, Inc.
- B. Locker Arrangement: Double tier 15"W x 15"D x 72"H
- C. Material: Cold-rolled steel sheet.

- D. Body: Assembled by welding body components together. Fabricate from unperforated steel sheet with thicknesses as follows:
 - 1. Tops, Bottoms, and Sides: 0.060-inch nominal thickness.
 - 2. Backs: 0.048-inch nominal thickness.
 - 3. Shelves: 0.060-inch nominal thickness, with double bend at front and single bend at sides and back.
- E. Frames: Channel formed; fabricated from 0.060-inch nominal-thickness steel sheet; lapped and factory welded at corners; with top and bottom main frames factory welded into vertical main frames. Form continuous, integral door strike full height on vertical main frames.
 - 1. Cross Frames between Tiers: Channel formed and fabricated from same material as main frames; welded to vertical main frames.
- F. Doors: One piece; fabricated from 0.075-inch nominal-thickness steel sheet; formed into channel shape with double bend at vertical edges and with right-angle single bend at horizontal edges.
 - 1. Reinforcement: Manufacturer's standard reinforcing angles, channels, or stiffeners; welded to inner face of doors.
 - 2. Door Style:
 - a. Louvered Vents: No fewer than three louver openings at top and bottom for double-tier lockers.
- G. Hinges: Welded to door and attached to door frame with no fewer than two factory-installed rivets per hinge that are completely concealed and tamper resistant when door is closed; fabricated to swing 180 degrees.
 - 1. Continuous Hinges: Manufacturer's standard, steel, full height.
- H. Recessed Door Handle and Latch: Stainless-steel cup with integral door pull, recessed so locking device does not protrude beyond face of door; pry and vandal resistant.
 - 1. Single-Point Latching: Nonmoving latch hook designed to engage bolt of combination or cylinder lock with steel padlock loop that projects through recessed cup and is finished to match metal locker body.
 - a. Latch Hook: Equip each door with one latch hook, fabricated from 0.120-inch nominal-thickness steel sheet; welded midway up full-height door strike; with resilient silencer.
- I. Equipment: Equip each metal locker with identification plate and the following unless otherwise indicated:
 - 1. Double-Tier Units: One double-prong ceiling hook and two single-prong wall hooks.
- J. Accessories:
 - 1. Continuous Zee Base: Fabricated from, manufacturer's standard thickness, but not less than 0.060-inch nominal-thickness steel sheet.
 - a. Height: 4 inches.

2. Where shown on drawings provide Continuous Sloping Tops: Fabricated from 0.048-inch nominal-thickness steel sheet, with a pitch of approximately 20 degrees.
 - a. Closures: Vertical-end type.
3. Recessed trim: Fabricated to match material and color color of locker bodies at locations shown on drawings.
4. Filler Panels: Fabricated from 0.048-inch nominal-thickness steel sheet.
5. Boxed End Panels: Fabricated from 0.048-inch nominal-thickness steel sheet.

K. Finish: powder coat.

1. Colors: Two colors, with door one color and frame and body another color; as selected by Architect from manufacturer's full range.

2.4 FABRICATION

- A. Fabricate metal lockers square, rigid, and without warp and with metal faces flat and free of dents or distortion. Make exposed metal edges safe to touch and free of sharp edges and burrs.
 1. Form body panels, doors, shelves, and accessories from one-piece steel sheet unless otherwise indicated.
 2. Provide fasteners, filler plates, supports, clips, and closures as required for complete installation.
- B. Fabricate each metal locker with an individual door and frame; individual top, bottom, and back; and common intermediate uprights separating compartments. Factory weld frame members of each metal locker together to form a rigid, one-piece assembly.
- C. All-Welded Construction: Factory preassemble metal lockers by welding all joints, seams, and connections; with no bolts, nuts, screws, or rivets used in assembly of main locker groups. Factory weld main locker groups into one-piece structures. Grind exposed welds flush.
- D. Accessible Lockers: Fabricate as follows:
 1. Locate bottom shelf no lower than 15 inches above the floor.
 2. Where hooks, coat rods, or additional shelves are provided, locate no higher than 48 inches above the floor.
- E. Hooks: Manufacturer's standard ball-pointed type, aluminum or steel; zinc plated.
- F. Identification Plates: Manufacturer's standard, etched, embossed, or stamped aluminum plates, with numbers and letters at least 3/8 inch high.
- G. Continuous Base: Formed into channel or zee profile for stiffness, and fabricated in lengths as long as practical to enclose base and base ends of metal lockers; finished to match lockers.
- H. Where shown on drawings provide Continuous Sloping Tops: Fabricated in lengths as long as practical, without visible fasteners at splice locations; finished to match lockers.
 1. Sloping-top corner fillers, mitered.

- I. Recess Trim: Fabricated with minimum 2-1/2-inch face width and in lengths as long as practical; finished to match lockers.
- J. Filler Panels: Fabricated in an unequal leg angle shape; finished to match lockers. Provide slip-joint filler angle formed to receive filler panel.
- K. Boxed End Panels: Fabricated with 1-inch- wide edge dimension, and designed for concealing fasteners and holes at exposed ends of non-recessed metal lockers; finished to match lockers.
 - 1. Provide one-piece panels for double-row (back-to-back) locker ends.
- L. Finished End Panels: Designed for concealing unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of non-recessed metal lockers; finished to match lockers.
 - 1. Provide one-piece panels for double-row (back-to-back) locker ends.
- M. Center Dividers: Full-depth, vertical partitions between bottom and shelf; finished to match lockers.

2.5 STEEL SHEET FINISHES

- A. Factory finish steel surfaces and accessories except stainless-steel and chrome-plated surfaces.
- B. Baked-Enamel Finish: Immediately after cleaning, pretreating, and phosphatizing, apply manufacturer's standard thermosetting baked-enamel finish. Comply with paint manufacturer's written instructions for application, baking, and minimum dry film thickness.
- C. Powder-Coat Finish: 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.

2.6 STAINLESS-STEEL FINISHES

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
 - 1. Run grain of directional finishes with long dimension of each piece.
 - 2. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine walls, floors, and support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install level, plumb, and true; shim as required, using concealed shims.
 - 1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Using concealed fasteners, install anchors through backup reinforcing plates, channels, or blocking as required to prevent metal distortion.
 - 2. Anchor single rows of metal lockers to walls near top of lockers and to floor.
 - 3. Anchor back-to-back metal lockers to floor.
- B. All-Welded Metal Lockers: Connect groups together with standard fasteners, with no exposed fasteners on face frames.
- C. Equipment and Accessories: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
 - 1. Attach hooks with at least two fasteners.
 - 2. Attach door locks on doors using security-type fasteners.
 - 3. Identification Plates: Identify metal lockers with identification indicated on Drawings.
 - a. Attach plates to each locker door, near top, centered, with at least two aluminum rivets.
 - b. Attach plates to upper shelf of each open-front metal locker, centered, with a least two aluminum rivets.
- D. Trim: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
 - 1. Attach recess trim to recessed metal lockers with concealed clips.
 - 2. Attach filler panels with concealed fasteners. Locate filler panels where indicated on Drawings.
 - 3. Attach sloping-top units to metal lockers, with closures at exposed ends.
 - 4. Attach boxed end panels using concealed fasteners to conceal exposed ends of nonrecessed metal lockers.

3.3 ADJUSTING, CLEANING, AND PROTECTION

- A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily without binding.
- B. Protect metal lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- C. Touch up marred finishes, or replace metal lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 10 5113

SECTION 10 7500 - FLAGPOLES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:

1. Aluminum flagpoles.

B. Related Sections include the following:

1. Division 3 Section "Cast-in-Place Concrete" for concrete footings for flagpoles, if any, and if not specified in this Section.
2. Division 7 Section "Joint Sealants" for elastomeric sealant filling the top of the foundation tube, if any.

1.2 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide flagpoles capable of withstanding the effects of wind loads as determined according to the building code in effect for this Project or NAAMM FP 1001, "Guide Specifications for Design Loads of Metal Flagpoles," whichever is more stringent.

1. Base flagpole design on maximum standard-size flag suitable for use with pole or flag size indicated, whichever is more stringent.
2. Basic Wind Speed: For Project location, 90 mph (40 m/s).
3. Install 3 flags pole.

1.3 SUBMITTALS

A. LEED REQUIREMENTS.

A. Provide submittals as required by Section 01 8113 Supplemental Table(s):

- i. Submittal Requirements for LEED v4 Materials and Resources Credits.
- ii. Submittal Requirements for LEED v4 Environmental Quality Credits.

B. Product Data: For each type of flagpole required. Include installation instructions.

C. Shop Drawings: Show general layout, jointing, grounding method, and anchoring and supporting systems.

1. Include details of foundation system for ground-set poles.

D. Structural Calculations: For flagpoles indicated to comply with certain design loadings, include structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

- E. Finish Samples for Verification: For each finished metal used for flagpoles and accessories.

1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain each flagpole as a complete unit from a single manufacturer, including fittings, accessories, bases, and anchorage devices.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. General: Spiral wrap flagpoles with heavy kraft paper or other weathertight wrapping and enclose in a hard fiber tube or other protective container.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Baartol Co., Inc.
 2. Concord Industries, Inc.
 3. Eder Flag Manufacturing Co., Inc.
 4. Ewing: John Ewing & Co. Inc.
 5. ICC Manufacturing Co.; Morgan-Francis Div.; AABEC Pole Div.
 6. Kearney-National Inc.; American Flagpole Div.
 7. Lingo, Inc.; Acme Flagpole Co. Div.
 8. Michigan Flagpole Inc.
 9. Olympus Flag & Banner; EMC Div.
 10. PLP Composite Technologies, Inc.
 11. Pole-Tech Co., Inc.

2.2 FLAGPOLES

- A. Pole Construction, General: Construct poles and ship to Project site in one piece, if possible. If more than one piece is necessary (3 poles needed), provide snug-fitting precision joints with self-aligning, internal splicing sleeve arrangement for weathertight, hairline field joints.
- B. Aluminum Flagpoles: Fabricate from seamless, extruded tubing complying with ASTM B 241 (ASTM B 241M), alloy 6063, with a minimum wall thickness of 3/16 inch (4.8 mm). Heat treat after fabrication to comply with ASTM B 597, temper T6.
 1. Provide cone-tapered aluminum flagpoles
 2. Height as noted on Drawings.
- C. Foundation Tube: Galvanized corrugated-steel foundation tube, 0.0635-inch (1.6-mm) minimum wall thickness, sized to suit flagpole and installation. Provide with 3/16-inch (4.8-mm) steel

bottom plate and support plate; 3/4-inch- (19-mm-) diameter, steel ground spike; and steel centering wedges all welded together. Galvanize steel parts, including foundation tube, after assembly. Provide loose hardwood wedges at top of foundation tube for plumbing pole.

2.3 FITTINGS

- A. Finial Ball: Manufacturer's standard flush-seam ball, sized as indicated or, if not indicated, to match pole-butt diameter.
 - 1. 0.063-inch (1.6-mm) spun aluminum, finished to match flagpole.
- B. Internal Halyard, Cam Cleat System: 5/16-inch- (8-mm-) diameter, braided polypropylene halyard; cam cleat; and concealed revolving truck assembly with plastic-coated counterweight and sling. Provide flush access door secured with cylinder lock. Finish truck assembly to match flagpole.
- C. Halyard Flag Snaps: Provide 2 swivel snap hooks per halyard, as follows:
 - 1. Stainless steel.
 - 2. Provide with neoprene or vinyl covers.

2.4 MISCELLANEOUS MATERIALS

- A. Concrete: Provide concrete composed of portland cement, coarse and fine aggregate, and water mixed in proportions to attain a 28-day compressive strength of not less than 3000 psi (20 MPa), complying with ASTM C 94.
- B. Elastomeric Sealant: Comply with requirements of Division 7 Section "Joint Sealants."

2.5 FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
- B. Aluminum: Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.
 - 1. Natural Satin Finish: Provide fine, directional, medium satin polish (AA-M32); buff complying with AA-M20; and seal aluminum surfaces with clear, hard-coat wax.

PART 3 - EXECUTION

3.1 LEED REQUIREMENTS

- A. If section includes wet applied materials provide submittals as required by Section 01 8113 Supplemental Table

i. Submittal Requirements for LEED v4 Environmental Quality Credits.

3.2 PREPARATION

- A. Prepare in-ground flagpoles by painting below-grade portions with a heavy coat of bituminous paint.
- B. Excavation: For foundation, excavate to neat clean lines in undisturbed soil. Remove loose soil and foreign matter from excavation and moisten earth before placing concrete.
- C. Provide forms where required due to unstable soil conditions and for perimeter of flagpole base at grade. Secure forms, foundation tube, fiberglass sleeve, or anchor bolts in position, braced to prevent displacement during concreting.
- D. Place concrete immediately after mixing. Compact concrete in place by using vibrators. Moisture cure exposed concrete for not less than 7 days or use a nonstaining curing compound.
- E. Trowel exposed concrete surfaces to a smooth, dense finish, free of trowel marks, and uniform in texture and appearance. Provide positive slope for water runoff to base perimeter.

3.3 FLAGPOLE INSTALLATION

- A. General: Install flagpoles where shown and according to Shop Drawings and manufacturer's written instructions.
- B. Foundation-Tube Installation: Install flagpole in foundation tube, seated on bottom plate between steel centering wedges. Plumb flagpole and install hardwood wedges to secure flagpole in place. Place and compact sand in foundation tube and remove hardwood wedges. Seal top of foundation tube with a 2-inch (50-mm) layer of elastomeric sealant and cover with flashing collar.

END OF SECTION – 10 7500



Project:

**Dzilh-Na-O-Dith-Hle
Community School - REV 2
35 Road 7585
Bloomfield, NM 87413**

From:

**Standard Restaurant Supply
David McCoy
2405 Candelaria Rd. N.E.
Albuquerque, NM 87107
505-803-8080 (Contact)**

To:

**Jaynes Corp.
Jeff Johnson
65 Mercado St STE 125
Durango, CO 81301
970-247-1831 (Contact)**

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Submittal Sheet

ITEM# 1 - OVERHEAD DOOR (1 EA REQ'D)

NIC

*** PROVIDED BY GENERAL CONTRACTOR ***

Submittal Sheet**ITEM# 2 - CROWD CONTROL STANCHION (8 ST REQ'D)**

American Metalcraft RSBPBL

Barrier Post & Base System, portable, (1) 15" dia. base x 40" high post, (1) 84" retractable black nylon tape, stainless steel, black matte finish

Black Retractable Barrier System

Our classic barrier system, now available in sleek black-on-black styling. Extends up to 84" (213.4 cm). For indoor and outdoor use. Set includes one post, nylon tape and one base.

RSBPBL Black Matte Post & Base
Black Nylon Tape
84" Tape x 40" H Post
(213.4 x 101.6 cm)
15" (38.1 cm) Dia. Base

RSRTBLC8 Replacement Post
84" L Tape x 40" H Post
(213.4 x 101.6 cm)

RSRTBLC9 Replacement Base
15" (38.1 cm) Dia.

Rope Barrier System Set

Crafted from mirror-polished, high-grade stainless steel and featuring an anti-scratch base. Ropes sold separately.

RSLWCH (2) Bases and (2) Posts
12 1/2" Dia. x 37 1/4" H
(31.8 x 94.6 cm)

Deluxe Rope Barrier Systems

Finished with gold or silver to give your customers the Hollywood treatment. Set includes one post and one base.

Gold

RSCLG Classic Barrier
Gold-Plated Post & Base
15" Dia. x 40" H (38.1 x 101.6 cm)

RSCLGOA1 Replacement Post for RSCLG

RSCLGOA2 Replacement Base for RSCLG

Silver

RSCLC Classic Barrier Polished Chrome
Flat Head Post & Base
15" Dia. x 40" H (38.1 x 101.6 cm)

RSCLCHB1 Replacement Post for RSCLC

RSCLCHB2 Replacement Base for RSCLC



RSLWCH

SET INCLUDES
TWO POSTS
AND TWO
BASES

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL



RSBPBL (two sets shown)

ALL THESE BARRIER
SYSTEMS ARE FOR
BOTH INDOOR AND
OUTDOOR USE



RSCLG (two sets shown
with RSCLRP GORD rope)



RSCLC (two sets shown
with RSCLRPCHBU rope)

Submittal Sheet

ITEM# 3 - DROP-OFF WINDOW (1 EA REQ'D)

Advance Tabco

PROVIDED IN ITEM #3

Submittal Sheet

ITEM# 4 - SOILED DISHTABLE (1 EA REQ'D)

Advance Tabco DTS-U30-72L

Dish table, soiled, u-shaped, left-to-right, 59" x 108" x 71" with landing, 10-1/2"H backsplash, with pre-rinse sink, 16/304 stainless steel legs with crossrails front-to-back, 14/304 stainless steel, stainless steel bullet feet, Includes prerinse basket with slide bar (slide bar only when K-461 or K-461A disposer adapter is specified)

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1		SPECIFY DISH MACHINE BRAND & MODEL to ensure proper fit.
Advance Tabco	3	DTA-46	Inside mitered corner
Advance Tabco	2	DTA-55	Column notch (includes splash)
Advance Tabco	1	DTA-76	Move pre-rinse sink to conform to dish machine requirements, specify dish machine (see compatibility chart for more information)
Advance Tabco	4	DTA-84	Simple Pass-Thru (sold per linear foot) (minimum 3 ft)
Advance Tabco	1		Print required
Advance Tabco	1		Specify wall thickness
Advance Tabco	1		Specify wall height
Advance Tabco	1		Specify distance from dish machine
Advance Tabco	12	DTA-87	Pass-thru window frame (sold per linear foot) (minimum 3 ft)
Advance Tabco	1		Pre-Rinse Basket with Slide Bar, for 20"W x 20"D fabricated sink bowls
Advance Tabco	1	DTA-96	Installation, trough collector (S419 collector by others) (requires DTA-45 scrap trough)
Advance Tabco	6	DTA-45	Scrap Trough, welded to dump sink (for 20" x 20" x 8" bowl Spec-line soil S30 series only) (sold per linear foot) (minimum 3 ft.) Maximum scrap trough length is 8 ft., (consult factory for trough lengths exceeding 8 ft.)

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"	



STAINLESS STEEL U-SHAPED SOIL DISHTABLE

NEW *Tile Edge Design*



SHOWN WITH OPTIONAL FAUCET

Item #: _____ Qty #: _____

Model #: _____

Project #: _____



**10-1/2" EXTRA LARGE
Bold Looking Backsplash
with 2" return and tile edge**

FEATURES:

Tile edge for ease of installation.

Includes 8" deep Prerinse Sink Basket and Bar Slide and Dishlanding.

Additional length on any leg of dishtables, use **DTA-56**.

Additional custom lengths available on all sides.

Dishlanding may be replaced with backsplash or rolled edge at no additional charge.

Dishtable lengths exceeding 90" requires a welded field joint (welded by others). Use **K-57**.

CONSTRUCTION:

All TIG welded.

14 Gauge Stainless Steel.

Stainless Steel Legs and Cross Bracing.

Stainless Steel Bullet Feet.

Gussets welded to Stainless Steel Channels.

Welded areas blended to match adjacent surfaces and to a satin finish.

MECHANICAL:

Faucet holes in splash punched 8" on center. Faucet not included.

Includes 1-1/2" I.P.S. Basket Type Waste Drain.

Model #	Inches	mm	Cu	Wt.
DTS-U30-72LorR	71"	1828	108	450 lbs.
DTS-U30-84LorR	83"	2134	125	470 lbs.
DTS-U30-96LorR*	95"	2438	143	490 lbs.
DTS-U30-108LorR*	107"	2743	160	525 lbs.
DTS-U30-120LorR*	119"	3048	177	550 lbs.
DTS-U30-132LorR*	131"	3353	194	575 lbs.
DTS-U30-144LorR*	143"	3658	211	600 lbs.

*Includes Field Joint to be welded in field by others.



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

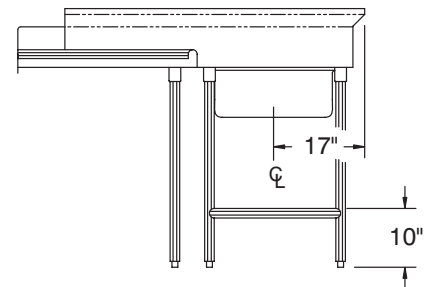
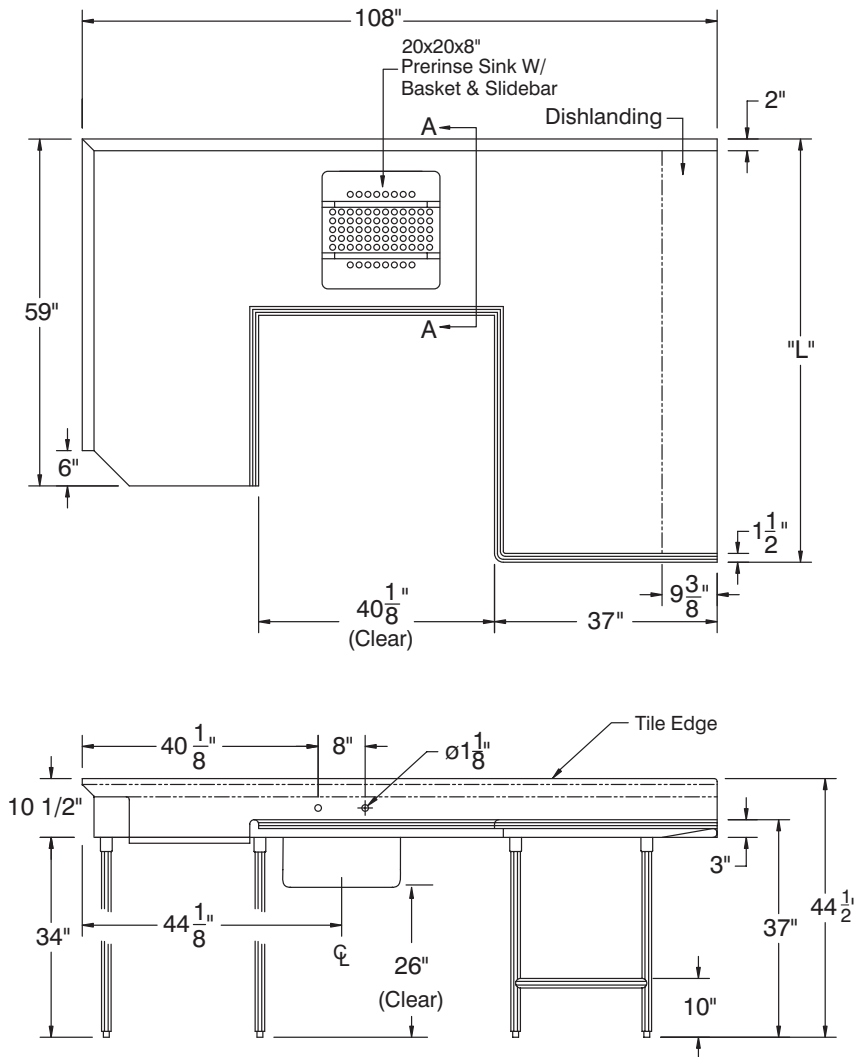
DIMENSIONS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL

TOL $\pm .500''$

SEE DISH MACHINE COMPATIBILITY CHART TO ENSURE PROPER FIT

Dish Machine Compatibility Chart can be found on our website at www.advancetabco.com under “Product Support”



SECTION A-A



DTA-95



DTA-87



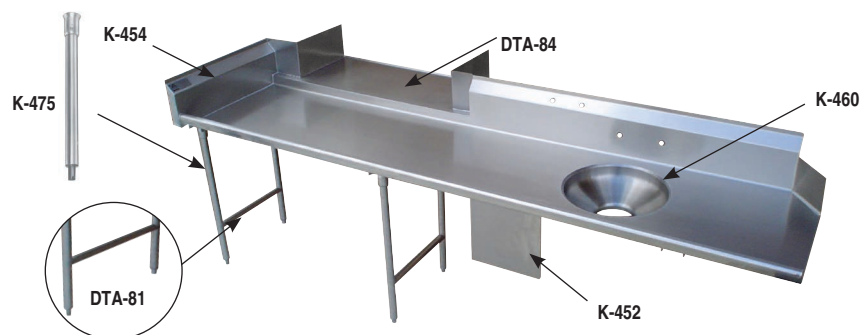
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4')
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

ADVANCE TABCO
SMART FABRICATIONS



ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

⚠ WARNING:

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info., visit www.p65warnings.ca.gov.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

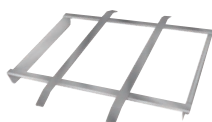
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

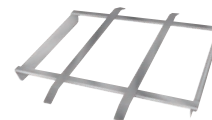
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

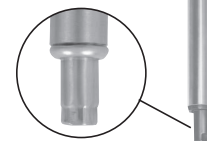
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

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DTA-95



DTA-87



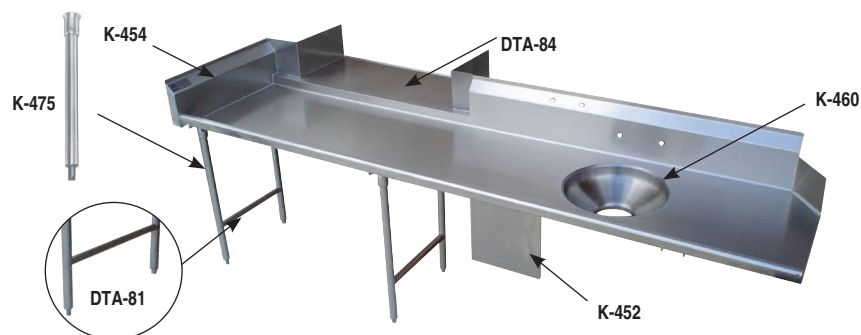
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-55 Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet

DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

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ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

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Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info., visit www.p65warnings.ca.gov.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

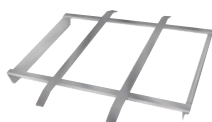
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

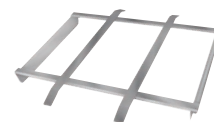
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

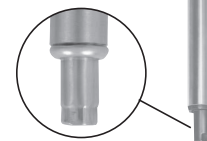
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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DTA-95



DTA-87



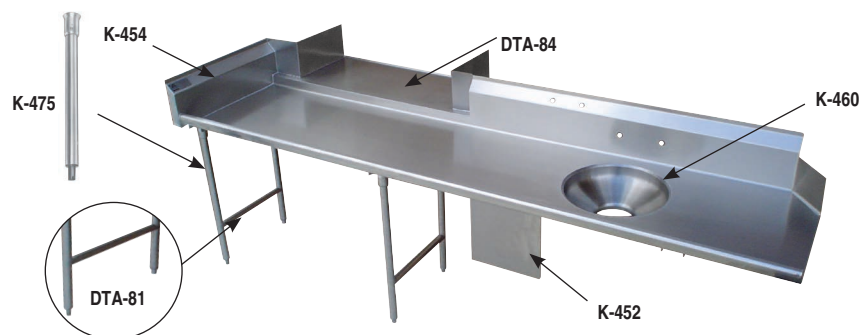
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4')
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

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ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

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Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

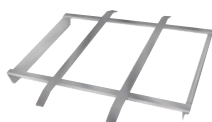
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

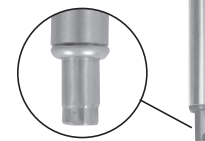
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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TEXAS

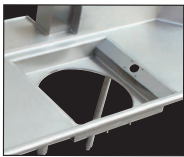
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NEVADA

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DISHTABLE MODS

Dishtable Modifications & Accessories



DTA-95



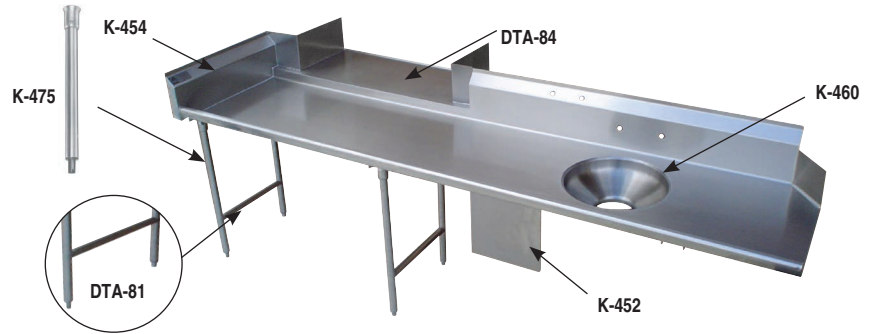
DTA-87



DTA-82



DTA-45



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45 Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet

DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

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COMMUNITY SCHOOL





ADDITIONAL DISHTABLE ACCESSORIES

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Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

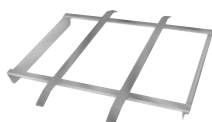
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

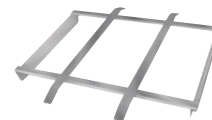
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

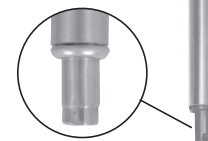
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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DISHTABLE MODS

Dishtable Modifications & Accessories



DTA-95



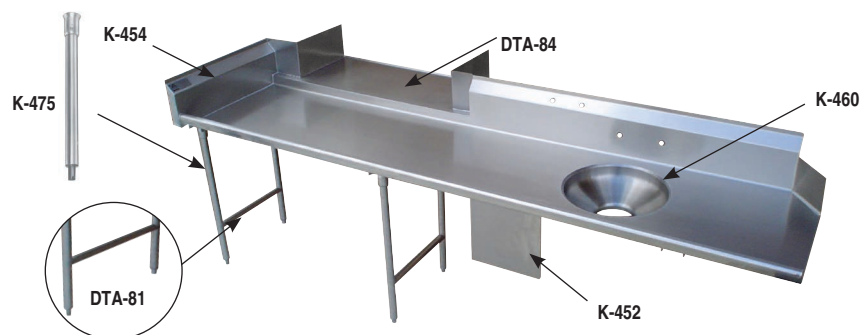
DTA-87



DTA-82



DTA-45



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45 Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet

DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4')
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

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SMART FABRICATORS



ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

⚠ WARNING:

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info., visit www.p65warnings.ca.gov.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

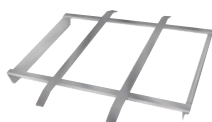
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

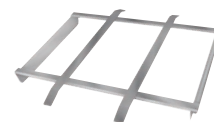
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

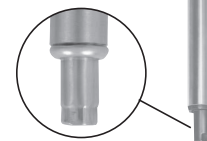
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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STAINLESS STEEL PRERINSE BASKETS with WELDED SLIDE BARS For Fabricated Sink Bowls



DTA-100 Shown



DTA-125 Shown

Item #: _____ Qty #: _____
Model #: _____
Project #: _____

FEATURES:

Perforated Basket for 3/4" Radius Bowls.
2 Reinforced Welded Slide Bars.

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces and to a satin finish

MATERIAL:

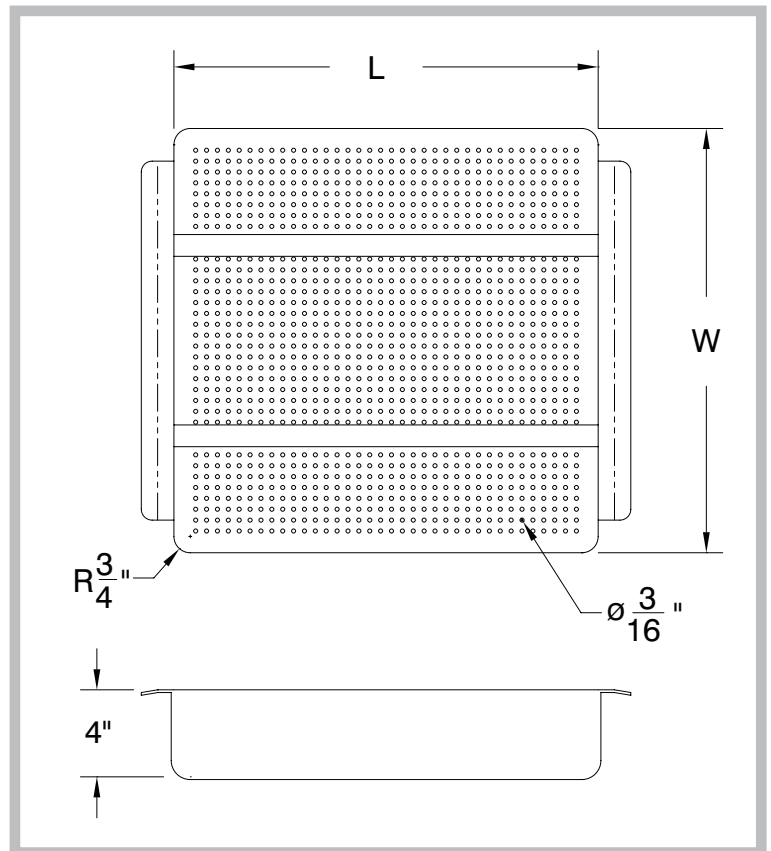
18 gauge type 304 series stainless steel.

DIMENSIONS and SPECIFICATIONS

TOL $\pm .125"$

ALL DIMENSIONS ARE TYPICAL

Model #	Fits Bowls	L x W	Approx. Wt.	Approx. Cu.
DTA-125	16" x 20"	15 1/2" x 19 1/2"	9	1
DTA-100	20" x 20"	19 1/2" x 19 1/2"	12	1
DTA-58	18" x 24"	17 1/2" x 23 1/2"	11	1
DTA-59	24" x 24"	23 1/2" x 23 1/2"	20	1



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DTA-95



DTA-87



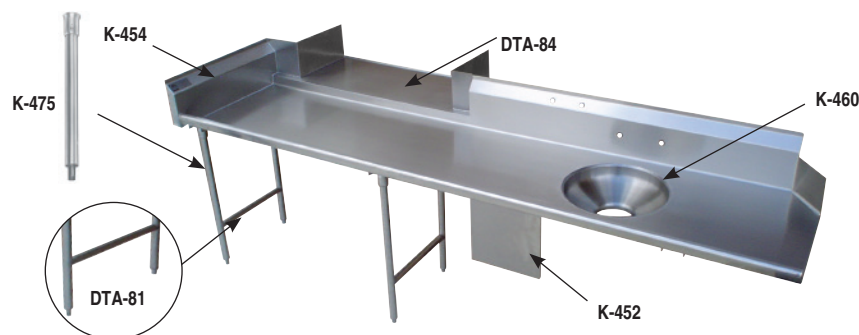
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL





ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications



Conforms To NSF 61/9 Lead Free Requirements

CA Prop 65 WARNING: This product may contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

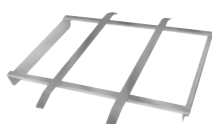
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

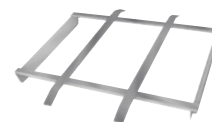
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Add-A-Faucet for Prerinse Faucets (DTA-53/K-116)

K-117

12" Spout



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119

8" O.C.

16" Spout



Splash Mounted Faucet

K-101

8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Stainless Steel Sink Compartment Covers

K-455

16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

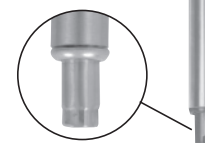
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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DTA-95



DTA-87



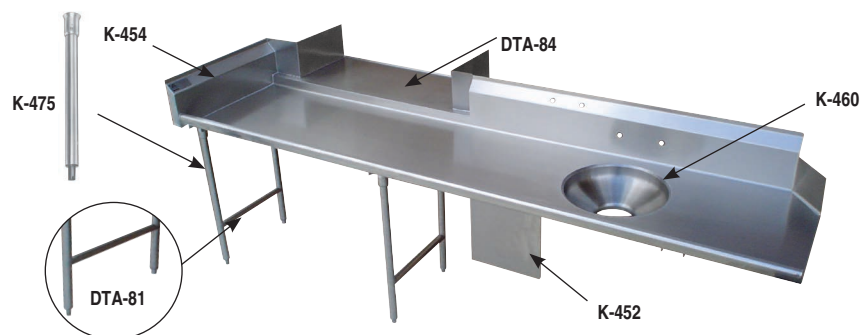
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Cratered
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Pre Rinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Pre Rinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Pre Rinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Pre Rinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Pre Rinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Pre Rinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Pre Rinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Pre Rinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Pre Rinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Pre Rinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

ADVANCE TABCO
SMART FABRICATORS



ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

⚠ WARNING:

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info., visit www.p65warnings.ca.gov.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

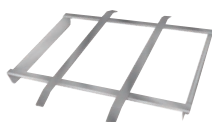
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

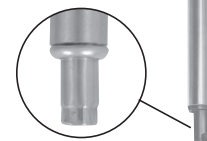
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

Email Orders To: customer@advancetabco.com. For Smart Fabrication™ Quotes, Email To: smartfab@advancetabco.com or Fax To: 631-586-2933

NEW YORK

Fax: (631) 242-6900

GEORGIA

Fax: (770) 775-5625

TEXAS

Fax: (972) 932-4795

NEVADA

Fax: (775) 972-1578

Submittal Sheet

ITEM# 5 - WASTE COLLECTOR (1 EA REQ'D)

Salvajor P914

Pot/Pan Scrap Collector™, scrapping, pre-flushing & collecting system (widely accepted in areas where disposers are restricted), NEMA 4 HYDROLOGIC® control panel with patented operator sensor, two water saving modes (timed run & auto start/stop), safety line disconnect, LCD readout, salvage basin & silverware trap, scrap basket, 3/4 HP corrosion-resistant pump, pump intake screen, stainless steel construction, UL, CSA, CE, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Salvajor	1		Collector top is available to ship to the fabricator in advance of unit (additional shipping charges will apply). Please provide instructions on order
Salvajor	1		460v/60/3-ph, 1.5 amps
Salvajor	1	PMM	Modification
Salvajor	2	988001	Gusher head assembly for TVL, TVR & S419
Salvajor	1	RSS	Remote start/stop switch for all controls (HydroLogic control with operator sensor comes standard mounted to S914/P914 models. ONLY add if additional on/off control is required)
Salvajor	1	992013	Additional scrap basket

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									3/4		
2	460	60	3	Direct			1.5				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	3/4			3/4					

WASTE

	INDIRECT SIZE	DIRECT SIZE
1		2"

PLUMBING 1 REMARKS

3/4" hot & cold water supply and reduce to 1/2" at connection

Scrap Collector™



Job: _____ Item No.: _____
Model S914



Job: _____ Item No.: _____
Model P914



A Scrapping, Pre-Flushing and Food Waste Collecting System

- Standard Scrap Basin, Model S914
- Pot/Pan Scrap Basin, Model P914

Widely accepted in areas that restrict the use of food waste disposers.

An Economical Pulper Alternative, the Collector washes soluble food waste harmlessly through the sewer, reducing bulk food waste by as much as 50% and weight by as much as 80%.

Recirculated Water used for pre-flushing typically reduces water and sewer costs dramatically. The Collector consumes only 2 gallons of new water per minute while the pre-flushing water plume recirculates at a 30-gallon rate.

Scrapping Speed is more than doubled compared to an overhead pre-rinse since the worker's hands are free for scrapping. The Collector lets you keep up with small to medium size conveyor dishmachines.

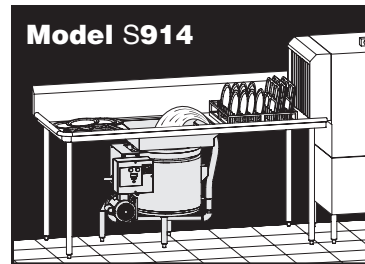
Problem Dishes, Trays and Cookware with dried or baked-on food need much less hand work. They can be soaked in the Collector basin while scrapping continues on other dishes.

HydroLogic Control Panel saves water and energy. Includes patented operator sensing technology with two water saving modes.

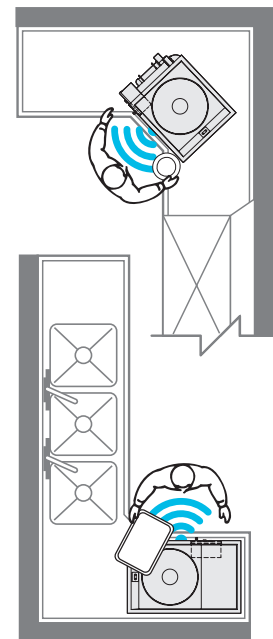
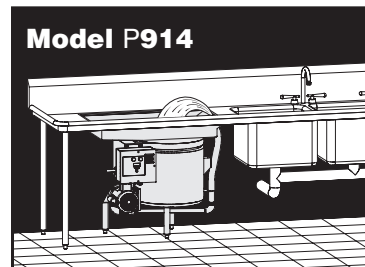
U.S. Pat. No. 7,815,134

TYPICAL INSTALLATIONS

Model S914



Model P914





Scrap Collector™ Model S914

Pot/Pan Scrap Collector™ Model P914

Model S914

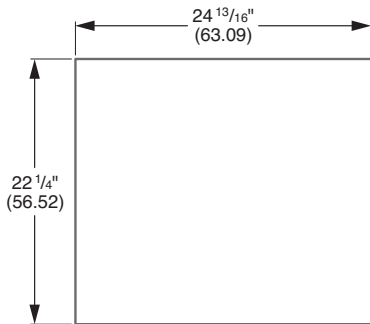
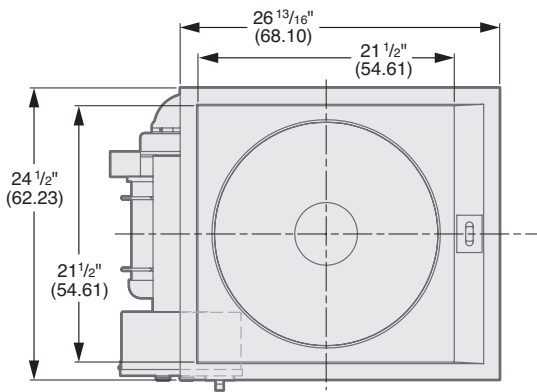


TABLE CUTOUT DETAIL



TOP VIEW

Model P914

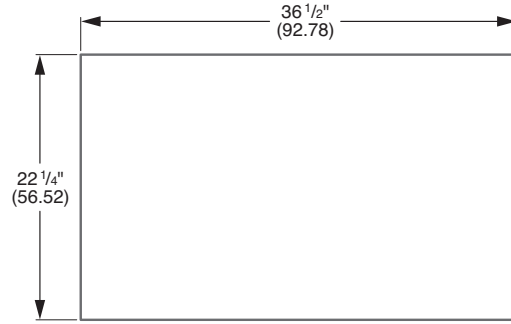
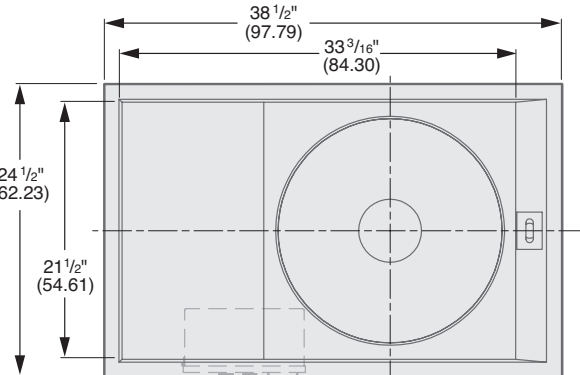


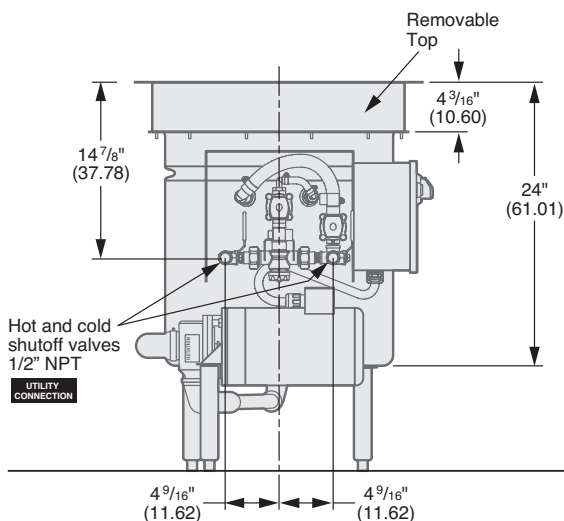
TABLE CUTOUT DETAIL



TOP VIEW

UTILITY CONNECTION

- Incoming electrical connection → factory wired control panel
- Incoming hot/cold water connection → factory plumbed water harness
- Drain connection → 2" NPT

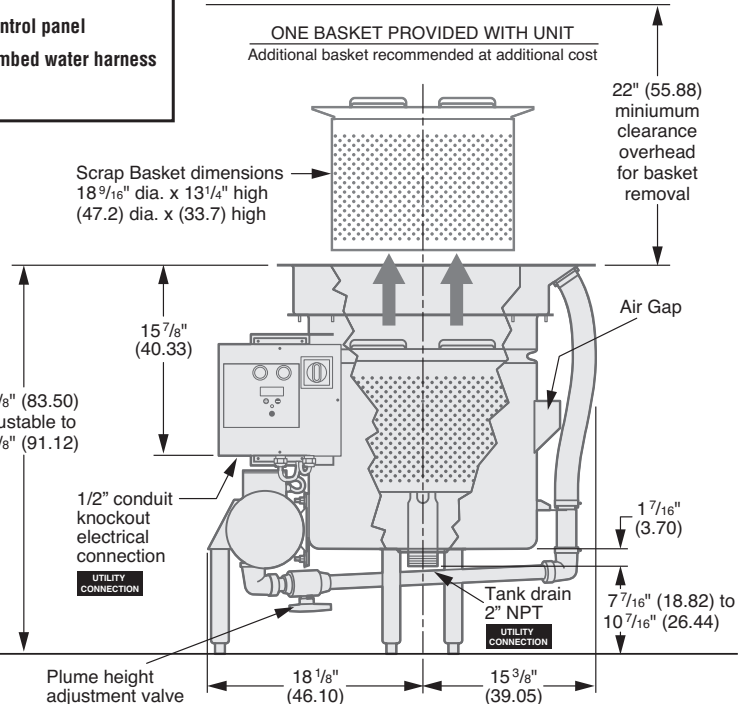


LEFT SIDE VIEW

Model S914 shown - P914 similar

ONE BASKET PROVIDED WITH UNIT
Additional basket recommended at additional cost

Scrap Basket dimensions
18 9/16" dia. x 13 1/4" high
(47.2) dia. x (33.7) high



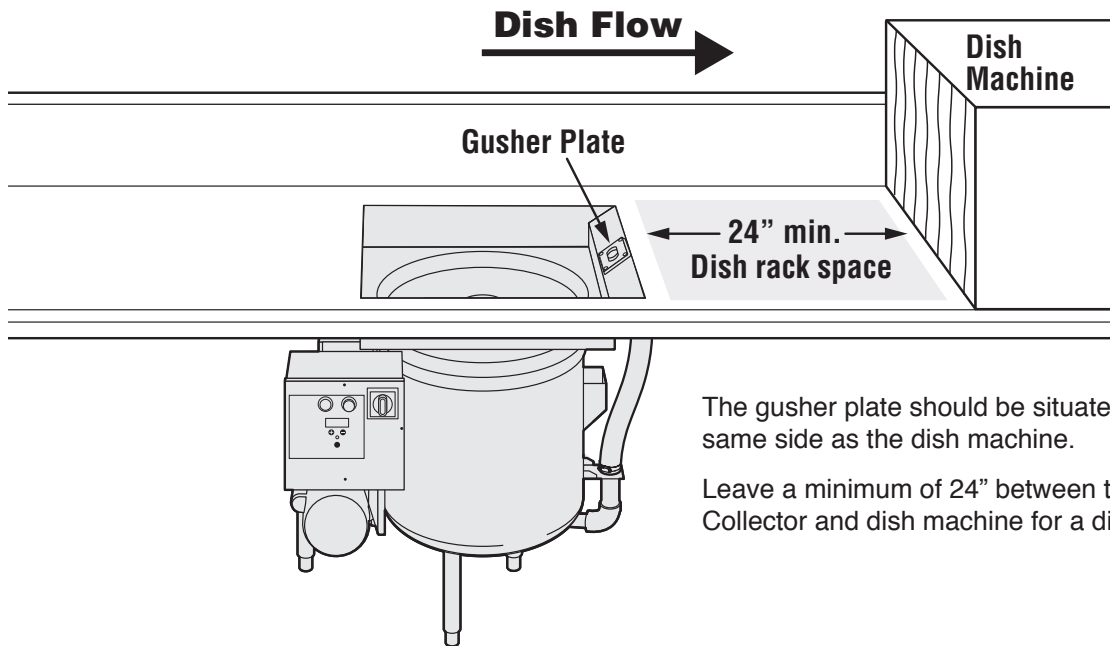
FRONT VIEW

NOTE: Dimensions in parenthesis are in centimeters



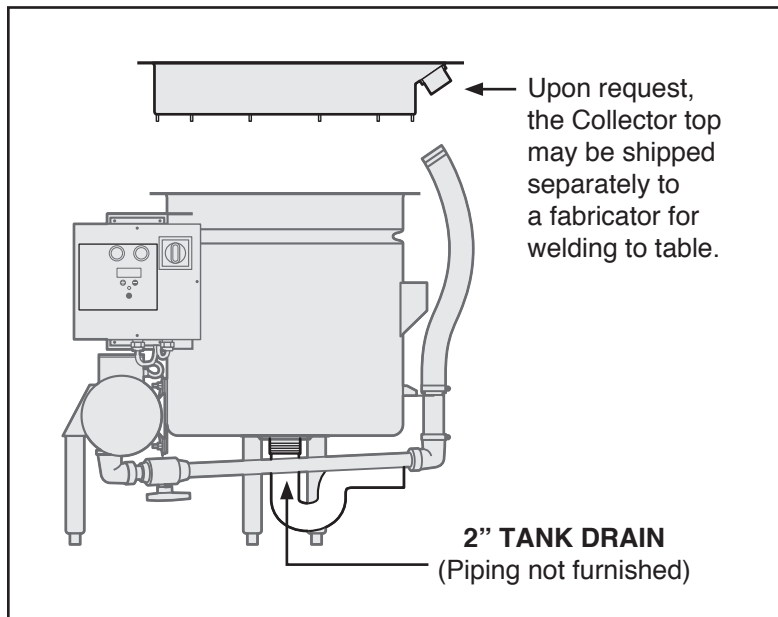
Scrap Collector™ Model S914

Pot/Pan Scrap Collector™ Model P914



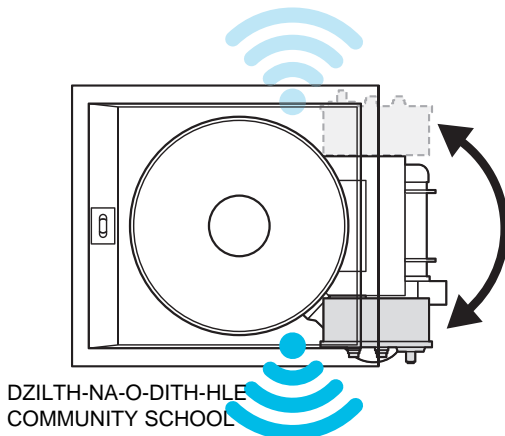
The gusher plate should be situated on the same side as the dish machine.

Leave a minimum of 24" between the Collector and dish machine for a dish rack.



**ALL CONNECTIONS
ARE TO BE MADE BY
QUALIFIED PERSONNEL
WHO WILL OBSERVE
ALL LOCAL AND
NATIONAL CODES.**

Model S914 shown - P914 similar



The control and operator sensor can be mounted on either side of the Collector using existing fasteners, mounting holes and wiring to accommodate dish flow to the left or dish flow to the right. It is not necessary to disconnect factory-installed wiring.

The control and sensor should always face the operator.

If necessary, the control can be mounted remotely. Additional field wiring and hardware will be necessary. Contact service for installation advice.

Salvajor Scrap Collector™

MODEL S914 & Model P914

S P E C I F I C A T I O N S

CONSTRUCTION

- Tank - 2 Piece Stainless Steel
- Adjustable Legs - Stainless Steel
- Control Panel - Stainless Steel
- Salvage Basin - High Impact Polymer
- Scrap Basket - High Impact Polymer

ELECTRICAL

- Pre-wired NEMA 4 Control Panel
- Patented Operator Sensor
- Watertight Conduit/Fittings
- Separate Component Grounding
- Thermally Protected Motor
- Safety Line Disconnect
- 24 Volt Safety Circuitry

PLUMBING

- Corrosion Resistant Components
- Automatic Water Blender
- 24 Volt Solenoid Valves
- Unions
- Check Valves
- Incoming Water Valves
- Non-clogging Pump Design
- Pump Intake Screen
- Back Flow Prevention Device

ACCESSORIES

- ☐ Remote Start-Stop
- ☐ Remote Mounting Bracket
- ☐ Correctional Package
- ☐ Control Mounting Bracket
- ☐ Additional Scrap Basket

VOLTAGES AVAILABLE

(SPECIFY EXACT OPERATING VOLTAGE)

- ☐ 115V ☐ 208V ☐ 230V, 60 Cycle, 1 Phase
- ☐ 208V ☐ 230V ☐ 460V, 60 Cycle, 3 Phase

Pump Motor 3/4 HP

FULL LOAD AMPS

(SPECIFY EXACT OPERATING VOLTAGE)

1 PHASE			3 PHASE		
115V	208V	230V	208V	230V	460V
11	5.5	5.5	3.2	3	1.5

UTILITIES REQUIRED

1. Electric service
2. 3/4" hot and cold water supply and reduce to 1/2" at connection.
3. 2" tank drain.

(Specifications subject to change without notice.)

SAMPLE SPECIFICATIONS

Unit shall be a Scrap Collector (or Pot/Pan Scrap Collector) scrapping, pre-flushing and food waste collecting system with recirculating water as manufactured by Salvajor.

Model S914 (or **P914**), ____Volts, 60Hz, ____Phase.

Furnished with a pre-wired HydroLogic control panel, sensor and stainless steel NEMA 4 watertight enclosure.

U.S. Pat. No. 7,815,134



The Salvajor Company

4530 East 75th Terrace
Kansas City, Missouri 64132-2081, USA
800-SALVAJOR
(816) 363-1030
www.salvajor.com
Email: sales@salvajor.com

4530 East 75th Terrace Kansas City, Missouri 64132-2081, USA

(816) 363-1030

FAX: 1-800-832-9373

service@salvajor.com

Manufacturers of Commercial Food Waste Solutions since 1944

Printed in USA
Form No. S&P914 (08-16)

Submittal Sheet

ITEM# 6 - PRE-RINSE FAUCET ASSEMBLY (1 EA REQ'D)

T&S Brass B-0133-B

EasyInstall Pre-Rinse Unit, wall mount. base faucet with spring check cart. & 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, (B-0107) spray valve, B-0044-H flex stainless steel hose, 6" wall bracket, quarter-turn Eterna cartridges, low lead

ACCESSORIES

Mfr	Qty	Model	Spec
T&S Brass	1	B-0230-K	Installation Kit, (2) 1/2" NPT nipples, lock nuts & washers, (2) short "Ell" 1/2" NPT female x male

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		



T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.

B-0133-B

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

This Space for Architect/Engineer Approval

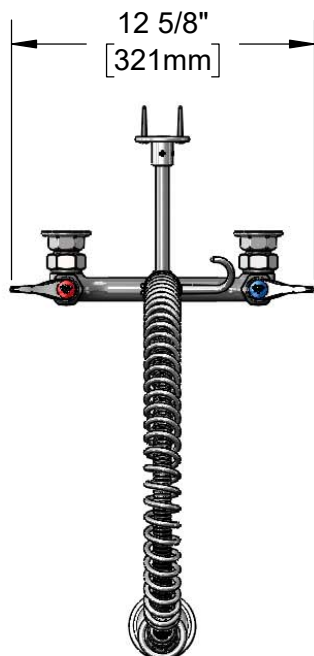
Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____



44" Flexible Stainless Steel Hose w/ Spring & Spray Valve

Items Not Shown for Clarity

Finger Hook

3/8" NPT x 18" Riser

Quarter-Turn Eterna Cartridges w/ Spring Checks & Lever Handles w/ Color Coded Indexes

EasyInstall Lock Nut & Bushing

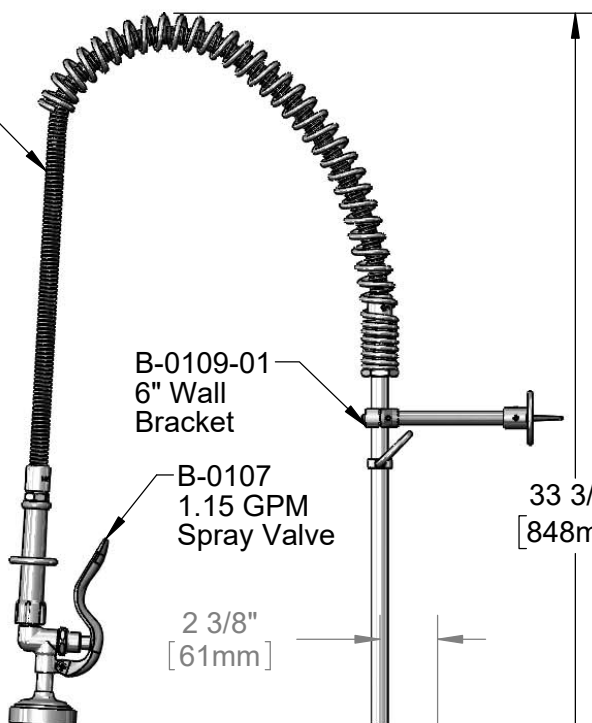
3 11/16"
[94mm]

8"

Adjustable From
7 3/4" to 8 1/4"
[197mm to 210mm]

Ø 2"
[51mm]
Flanges w/
1/2" NPT
Female Inlets

3 3/4"
[95mm]



B-0109-01
6" Wall
Bracket

B-0107
1.15 GPM
Spray Valve

2 3/8"
[61mm]

33 3/8"
[848mm]

14 1/16"
[357mm]

Mounting
Surface

Product Specifications:

Pre-Rinse Unit: EasyInstall 8" Wall Mount Mixing Faucet, Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, 44" Flexible Stainless Steel Hose, 1.15 GPM Spray Valve, 6" Wall Bracket & 1/2" NPT Female Inlets

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
2019 DOE PRSV - Class II

Drawn: AMG Checked: JRM Approved: JHB Date: 10/15/18

Scale: 1:8 Sheet: 1 of 2



T&S BRASS AND BRONZE WORKS, INC.

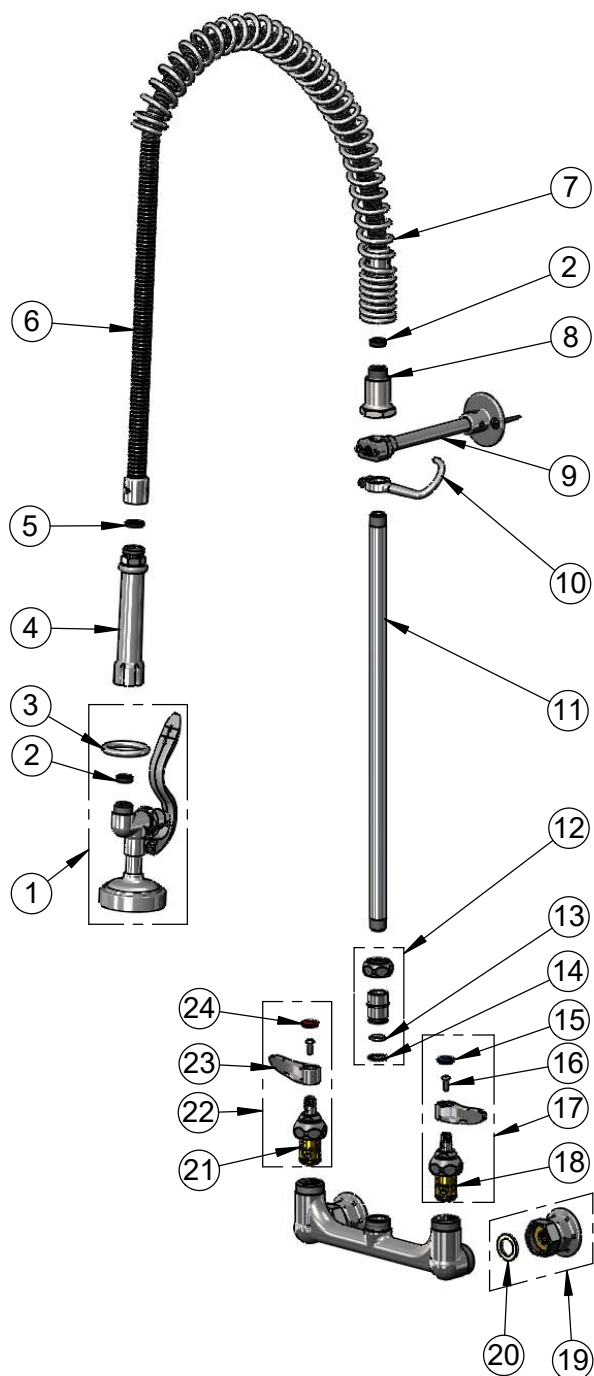
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.

B-0133-B

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com



ITEM NO.	SALES NO.	DESCRIPTION
1	B-0107	1.15 GPM Spray Valve
2	010476-45	#27 Washer
3	000907-45	Spray Valve Hold Down Ring
4	002987-40	Grip Handle
5	001014-45	Washer, B-0100 Hose Barrel
6	B-0044-H2A	44" Flexible Stainless Steel Hose, Less Handle
7	000888-45	EasyInstall Overhead Spring
8	000821-40	Spring Body
9	B-0109-01	6" Wall Bracket
10	004R	Finger Hook
11	000369-40	3/8" NPT x 18" Riser
12	EZ-K	EasyInstall Kit
13	001065-45	O-Ring
14	014200-45	Star Washer, Anti-Rotation
15	018506-19NS	Blue Button Index, Press-in
16	000925-45	Lab Handle Screw
17	002711-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Blue Index & Screw, LTC
18	012442-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, LTC
19	00AA	1/2" NPT Female Eccentric Flange
20	001019-45	Coupling Nut Washer
21	012443-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, RTC
22	002712-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Red Index & Screw, RTC
23	001638-45NS	Lever Handle (New Style)
24	001193-19NS	Red Button Index, Press-in

Product Specifications:

Pre-Rinse Unit: EasyInstall 8" Wall Mount Mixing Faucet, Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, 44" Flexible Stainless Steel Hose, 1.15 GPM Spray Valve, 6" Wall Bracket & 1/2" NPT Female Inlets

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
2019 DOE PRSV - Class II

Drawn: AMG Checked: JRM Approved: JHB Date: 10/15/18

Scale: NTS

Sheet: 2 of 2


T&S BRASS AND BRONZE WORKS, INC.

 2 Saddleback Cove / P.O. Box 1088
 Travelers Rest, SC 29690

Model No.

B-0230-K

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

This Space for Architect/Engineer Approval

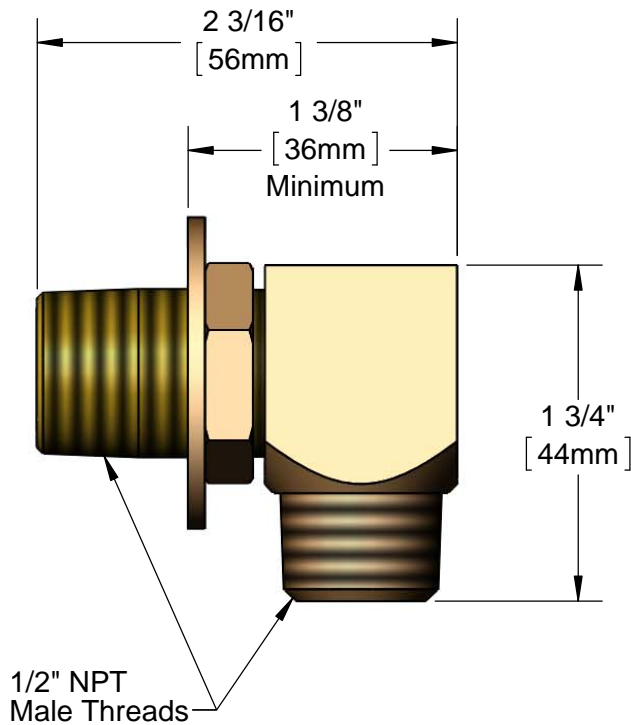
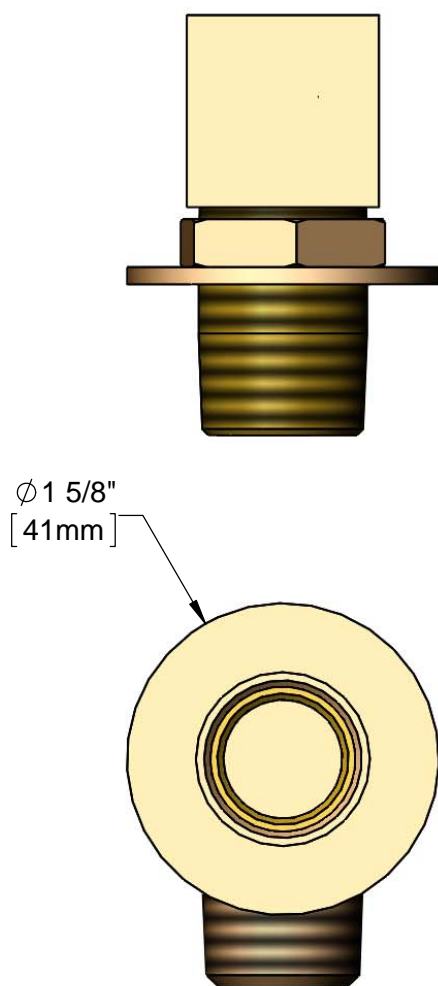
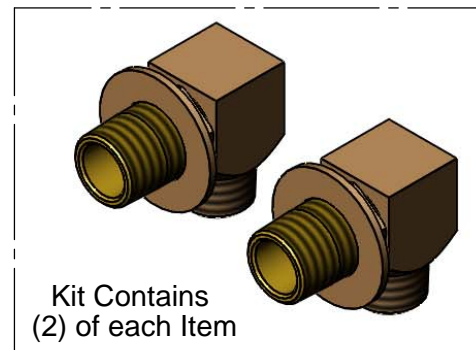
Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____


Product Specifications:
1/2" NPT Male Elbow Kit w/ Lock Nut & Washer

 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

Product Compliance:

 ASME A112.18.1 / CSA B125.1
 NSF 61 - Section 9
 NSF 372 (Low Lead Content)

Drawn: DHL

Checked: JRM

Approved: JHB

Date: 03/13/14

Scale:

1:1

Sheet: 1 of 2


T&S BRASS AND BRONZE WORKS, INC.

 2 Saddleback Cove / P.O. Box 1088
 Travelers Rest, SC 29690

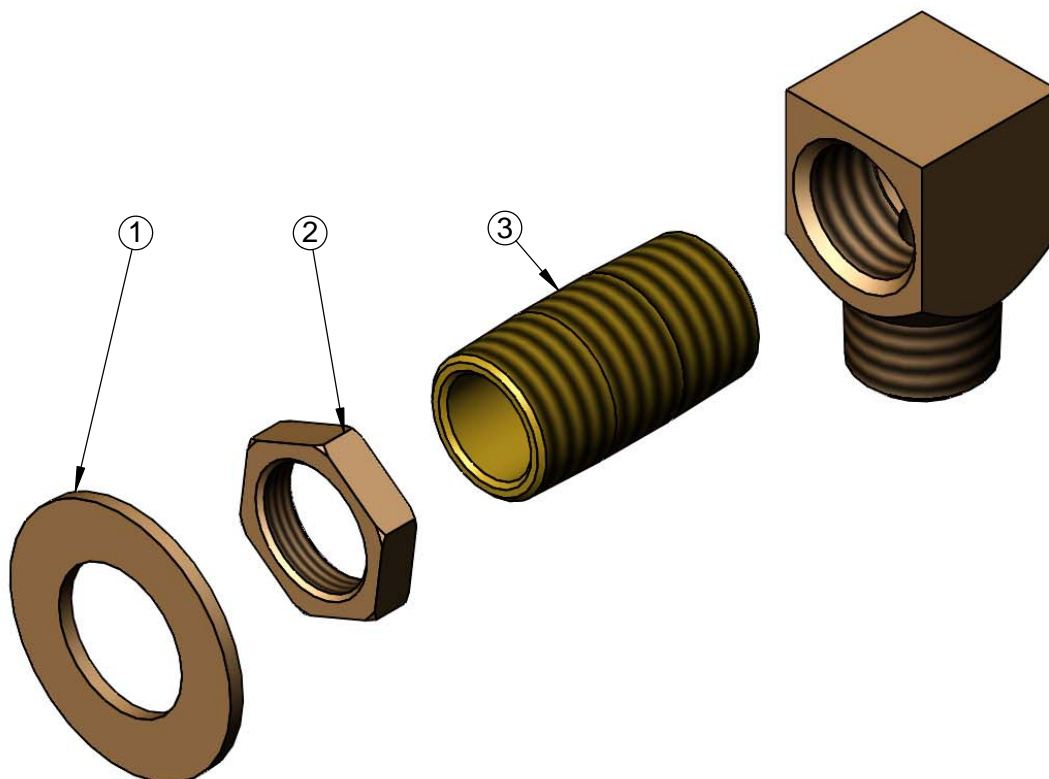
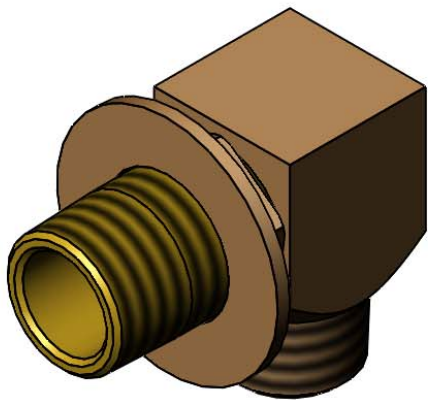
Model No.

B-0230-K

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	000999-45	Brass Lock Washer
2	002954-45	Shank Lock Nut
3	013357-20	1/2" NPT x 1-5/8" Lg. Close Nipple



Product Specifications:

1/2" NPT Male Elbow Kit w/ Lock Nut & Washer

 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

Product Compliance:

 ASME A112.18.1 / CSA B125.1
 NSF 61 - Section 9
 NSF 372 (Low Lead Content)

Drawn: DHL | Checked: JRM | Approved: JHB | Date: 03/13/14 | Scale: NTS | Sheet: 2 of 2

Submittal Sheet

ITEM# 7 - DISHWASHER, CONVEYOR TYPE (1 EA REQ'D)

NIC 64

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Champion Industries - Model 64 Dishwasher

Pro Series, 64"W two-tank rack conveyor dishwasher, proportional rinse, progressive anti-jam drive system, top mounted Prodigy series HMI user interface, proactive maintenance software, (100) gallons per hour with energy sentinel (idle pump shut-off), (344) racks per hour, single-piece hood design, single-piece stainless steel upper & lower wash arm manifolds, internal removable scrap basket & dual-piece scrap screens, 20" standard vertical clearance, accommodates 18" x 26" sheet pans, full 180° opening leak proof insulated hinged access doors, automatic tank fill, door safety switches, delime function, leak-proof ball valve drains, lower front & side enclosure panels, stainless steel heavy gauge construction including base & legs, electric tank heat, 2 HP wash & power rinse pumps, vent fan control, stainless steel rear manifolds, NSF, cULus, ENERGY STAR®, Made In USA

ACCESSORIES

Mfr	Qty	Model	Spec
Champion	1		Two-point electrical connection, standard (1a Machine & Tank heat, 1b Booster)
Champion	1		Left-to-right operation
Champion	1		480v/60/3-ph
Champion	1		Electric tank heat, standard
Champion	1		No Booster Heater
Champion	1		Extended stainless steel vent cowl with 7" stack & locking damper (set)
Champion	1		20" High hood vertical clearance for sheet pans (standard)
Champion	1		Table limit switch, whisker style (unmounted) (traditional)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									2		
2									2		
3	480	60	3								

ELECTRICAL 1 REMARKS

wash pump HP

ELECTRICAL 2 REMARKS

rinse pump HP

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"					
2	3/4"								

WASTE

	INDIRECT SIZE	DIRECT SIZE
1	1-1/4"	
2		

PLUMBING 1 REMARKS

Hot water size without heat recovery

PLUMBING 2 REMARKS

Hot water size with heat recovery

Champion®

The Dishwashing Machine Specialists

Project _____
 Item No. _____
 Quantity _____

STANDARD FEATURES

- **NEW Auto Delime Function**
- PROgressive drive system, with intuitive jam alert, and drive protection
- Proportional rinse, delivering unmatched total ware coverage, utilizing digital pattern cloning, stainless steel nozzles
- 344 racks per hour
- 100 GPH with energy sentinel (idle pump shut-off)
- Prodigy series HMI display, intuitive condition alerts, with user friendly cleaning and operation visual guidance, multi-lingual, touch control
- Proactive maintenance interface, self-diagnostics, problem recognition, with repair recommendation, from HMI touch screen
- Programmable machine dwell with automatic rack alignment into the optimal wash zone
- **Automatic drain valve *Exclusive!***
- Single-piece hood design
- Single-piece stainless steel upper and lower wash arm manifolds
- Two point electrical connection, machine and built-in booster heater
- 20" standard vertical clearance which accommodates 18" x 26" sheet pans
- Full 180° opening leak proof insulated hinged access doors
- Stainless steel heavy gauge construction including base, legs and feet
- Enclosure panels (front and sides)
- 2 HP pump motors, with stainless steel impeller
- Factory Authorized Start-up
- Vent fan control
- **ENERGY STAR® Qualified**
- **Made in America**



PRO SERIES

64 PRO Electric

High Temperature 2-Tank Rack Conveyor Dishwashing Machine



Model 64PRO shown with optional 22" prewash, heat recovery, and vent cowls



Photo is for general visual representation only. Please refer to specifications for the latest detailed product information.

SPECIFIER STATEMENT

Specified unit will be Champion Model 64 PRO Series high temperature 2-tank rack conveyor dishwashing machine. Features top mounted Prodigy HMI user interface controls with proactive maintenance software, proportional rinse, using only 100 GPH, , progressive anti-jam drive system, energy sentinel (idle pump shut-off), 344 racks per hour, single-piece hood design, single-piece stainless steel upper & lower wash arms manifolds, full 180° opening leak proof insulated hinged access doors.

1 year parts and labor warranty.

Champion Industries, Inc.
 3765 Champion Blvd., Winston-Salem, NC 27105
 Tel: 336/661-1556 Fax: 336/661-1979
www.championindustries.com

PRO SERIES 2-TANK RACK CONVEYOR

CH0XX

DZILTH-NA-O-DITH-HLE

COMMUNITY SCHOOL

(pdf) 10/19/19 Printed in U.S.A.

PRO SERIES

64 PRO Electric

High Temperature Rack Conveyor
Dishwashing Machine

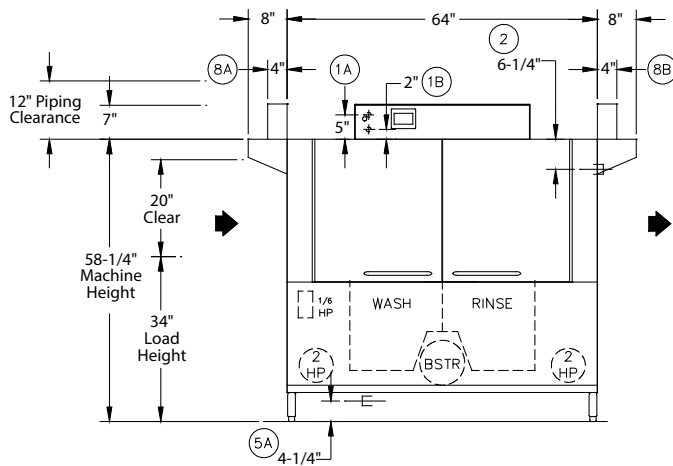
Champion®

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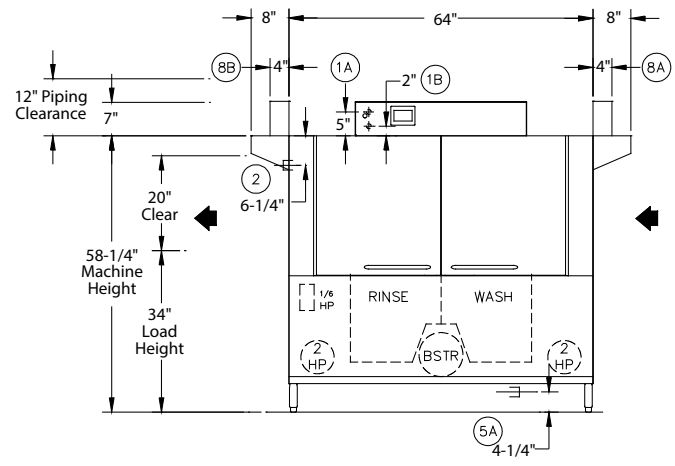
MODEL 64 PRO

Shipping weight crated: **600 lbs.**

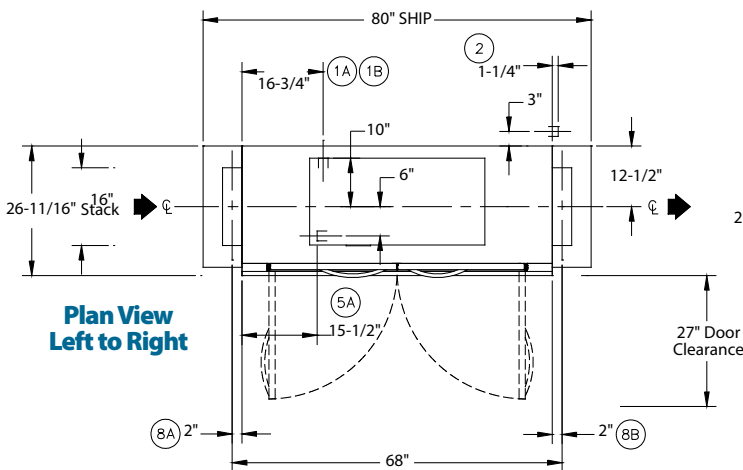
Dimensions shown in inches [mm]



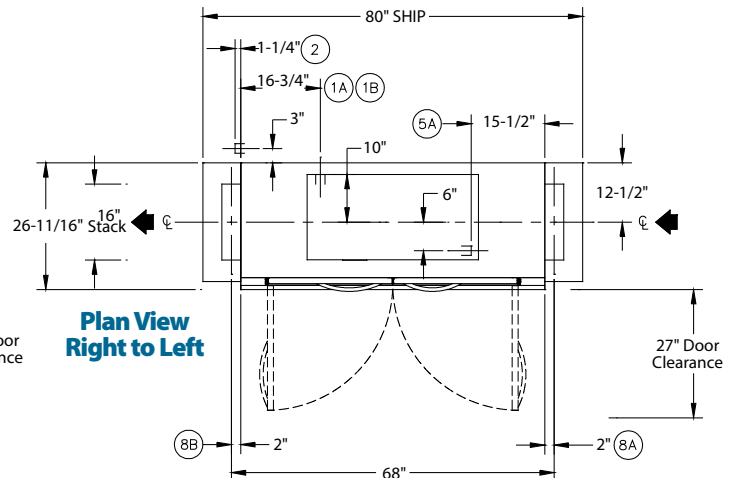
**Front View
Left to Right**



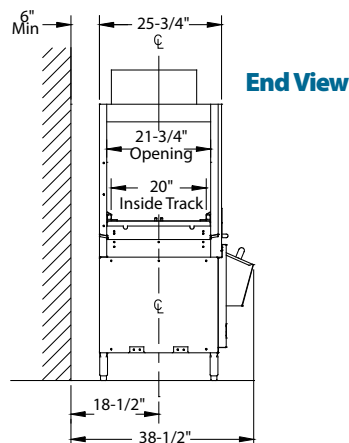
**Front View
Right to Left**



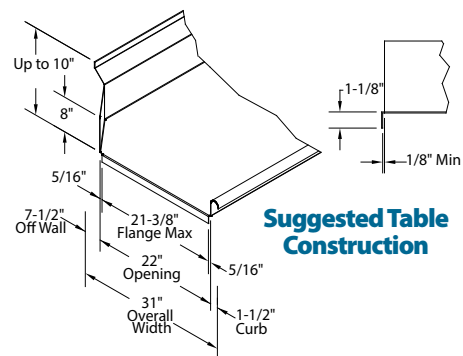
**Plan View
Left to Right**



**Plan View
Right to Left**



End View



**Suggested Table
Construction**

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COMMUNITY SCHOOL

Due to an ongoing value analysis program at Champion, specifications contained in this catalog are subject to change without notice.
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PRO SERIES

64 PRO Electric

High Temperature Rack Conveyor
Dishwashing Machine

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The Dishwashing Machine Specialists

Utilities

1	Electrical Connection – Two point, standard A Machine electrical connection and booster electrical connection
2	Hot Water Machine with built-in booster Main connection 1/2" NPT
3	Cold Water Connection 1/2" NPT
4	Hot Water Machine with no booster Main water connection 1/2" NPT
5	Drain Connection 1-1/4" NPT
8	Vents A Stack connection - Load end 200 CFM @ 1/4" static pressure B Stack connection - Unload end 400 CFM @ 1/4" static pressure

Warning: Plumbing and electrical connections should be made by qualified personnel who will observe all the applicable plumbing, sanitary, safety codes and the National Electrical Code.

Note: Water Hammer Arrestor (meeting ASSE-1010 standard or equivalent) to be supplied (by others) in common water supply line at service connection.

Plumbing Notes: Because of the variation in house-supplied steam and water pressures, steam and water pressure regulating valves (PRVs) may be needed. (Water PRV is standard on machines with booster.) The PRVs can either be purchased from Champion or obtained locally.

Venting Notes: Fabricated duct size: 3-7/8" x 15-7/8" (Outside dimensions)

Optional Drain Tempering: 1/2" NPT cold water connection required. 1/2" NPT drain connection from back flow preventer to house drain. (FIELD INSTALLED and PLUMBED).

Two Tank PRO Rack Machine and Booster Ratings

The tables below give the ratings for each model. The ratings include the requirements of the 12 and 21 kW booster heaters when they are use.

Machines with a dual point electrical connection:

64 PRO Electric, 21 kW Booster Only			
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208/60/3	59	80	80
240/60/3	51	70	70
480/60/3	26	35	35
575/60/3	22	30	30

64 PRO Electric, 12 kW Booster Only			
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208/60/3	34	45	45
240/60/3	29	40	40
480/60/3	15	20	20
575/60/3	12	15	15

Note: Single phase options available, contact factory for details.

SPECIFICATIONS

Capacity

Racks per hr. (NSF rated)	344
Wash tank (US gal.)	17
Power Rinse tank.	17
Conveyor speed (ft/min.)	9.55
Conveyor speed Pot/Pan Mode (ft/min.)	4.6
(only one rack at a time in Pot/Pan Mode)	

Motor Horsepower

Drive	1/6
Wash	2
Rinse	2

Water Consumption

US Gal. per hr. (max. use).	100
US Gal. per rack	0.29

Heating

Tank Heat, electric (kW)	25
Electric booster (built-in) (kW supplied for 40°F rise)	12
Electric booster (built-in) (kW supplied for 70°F rise)	21
<i>Booster heaters completely inter plumbed, controls are intertwined</i>	

Venting

Load end (minimum CFM)	200
Unload end (minimum CFM).	400

Standard 20" x 20" rack complement

Peg	1
Flat	1

Machines with a field converted single point electrical connection:

64 PRO Electric Tank Heat, 21 kW 70° Booster			
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208/60/3	111	150	150
240/60/3	96	125	125
480/60/3	47	60	60
575/60/3	40	50	50

64 PRO Electric Tank Heat, 12 kW 40° Booster			
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208/60/3	85	110	110
240/60/3	74	100	100
480/60/3	36	50	50
575/60/3	31	40	40

64 PRO Electric Tank Heat, No Booster			
Electrical Specifications	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Overcurrent Protective Device
208/60/3	52	70	70
240/60/3	45	60	60
480/60/3	22	30	30
575/60/3	19	25	25

PRO SERIES

64 PRO Electric

High Temperature Rack Conveyor
Dishwashing Machine

Champion®

The Dishwashing Machine Specialists

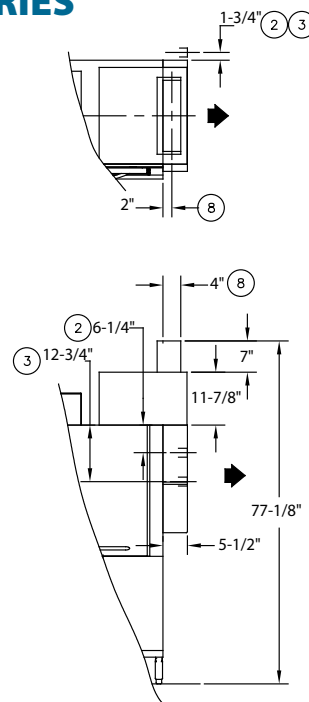
OPTIONS & ACCESSORIES

- ☐ Tank heat: choice of steam coil or electric
- ☐ 48" Blower-dryer – steam or electric
- ☐ Booster Heaters (completely interplumbed, controls are interwired)
 - ☐ Steam: 40°F or 70°F rise (*see spec sheet*)
 - ☐ Electric: 40-70°F rise (built-in only)
- ☐ Cantilever sideloader for 90° operation
 - ☐ 24" cantilever sideloader
 - ☐ 30" cantilever sideloader
- ☐ Racks: Peg (specify qty _____)
- ☐ Racks: Flat (specify qty _____)
- ☐ Racks: Sheet pan (specify qty _____)
- ☐ Table limit switch (recommended on all rack conveyor installations) (unmounted)
 - ☐ Button style
 - ☐ Whisker style
- ☐ Vent cowls, stainless steel with 7" stack and locking damper
- ☐ Extended Vent Cowls
- ☐ Water pressure regulating valve (unmounted) (standard with booster)
- ☐ Water hammer kit (unmounted)
- ☐ Drain tempering kit (unmounted)
- ☐ Model PRO 90 (90° Corner Conveyor Table)
- ☐ Model RCT 64 or RCT 84 Roller Conveyor Table (Contact factory for custom length)
- ☐ Splash shields
- ☐ ION scale prevention device (unmounted)

OPTIONS & ACCESSORIES

- ☐ Heat Recovery

2	Hot Water 110°F 3/4" NPT initial fill; 30 psi minimum feed
3	Cold Water (min. 55°F) 1/2" NPT Water Consumption 100 GPH at 20 psi; 30 psi minimum feed
4	Vent (4"x16" inside) Unload end: 200CFM at 1/4" S.P. Direct venting not required if canopy venting is in use.



Cantilever Sideloader
(No hood)



NEW PRO-90
90° Corner Conveyor Table (shown)



Model RCT 64 or RCT 84
Roller Conveyor Table

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The Spirit of Excellence

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Standard Restaurant Supply

Page: 37

Submittal Sheet

ITEM# 8 - BOOSTER HEATER, ELECTRIC (1 EA REQ'D)

NIC C-24

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Hatco - Model C-24

Compact Booster Heater, electric, 6-gallon storage capacity, electric operation, 24-kW, stainless steel front panel, powder-coated silver-gray hammertone body, 6" plastic non-adjustable legs, Castone® lined tank, NSF, cULus, Made in USA

ACCESSORIES

Mfr	Qty	Model	Spec
Hatco	1		480v/60/3-ph, 28.9 amps

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1								24.0			
2	480	60	3				28.9				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	3/4"								

WASTE

	INDIRECT SIZE	DIRECT SIZE
1		

PLUMBING 1 REMARKS

3/4" hot water outlet size



Project _____

Item # _____

Quantity _____

Compact Electrical Booster Water Heaters

Model: C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57

The Hatco Compact Electric Booster Water Heater provides all the 180°F (82°C) final rinse water required to sanitize and flash-dry dishes and flatware. The space saving Compact is easy to install next to the dishwasher with slide brackets or on 6" (152 mm) legs. The storage capacity is 6 gallons (23 liters).

Standard features

- All models include a Castone® lined tank with a 10-year limited warranty
- Features include a temperature/pressure relief valve, a pressure reducing valve, two temperature/pressure gauges, a high-temperature limit control, pilot indicator light, on-off switch, a low-water cut-off to prevent element burnout due to a low water condition, and a ¾" NPT pipe and fittings for inlet and outlet.
- Available with slide brackets for mounting under a dishtable
- Each booster has fiberglass insulation to minimize heat loss
- Hatco electric booster heaters are factory pre-plumbed and pre-wired with calibrated immersion thermostat and high-temperature limit switch
- A stainless steel front panel and powder-coated silver-gray hammertone body is standard on all Compact models
- Swing-away front panels with low-water cut-off, control fuses and transformer allow quick access to probes and elements for easier serviceability



Options (available at time of purchase only)

- ☐ Stainless steel body and base
- ☐ Security package (Torx screws and control cover)

Accessories

- ☐ Additional slide brackets
- ☐ Additional stainless steel floor mounting leg assembly
- ☐ Blended Phosphate injection system (not for potable water)
- ☐ Shock absorber (reduces water hammer)
- ☐ Back pressure relief valve
- ☐ Additional brass pressure reducing valve with by-pass
- ☐ Additional stainless steel adjustable legs 6" - 7" (152 - 178 mm)

For operation, location and safety information, please refer to the Installation & Operating Manual.





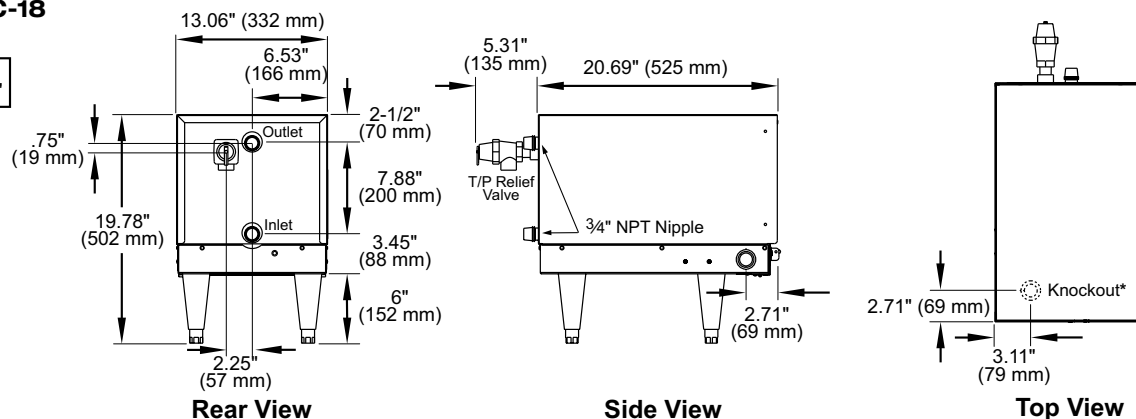
Compact Electrical Booster Water Heaters

Model: C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57

Models C-4 through C-18

Electrical Knockouts left side and bottom—3/4", 1", and 1-1/4"

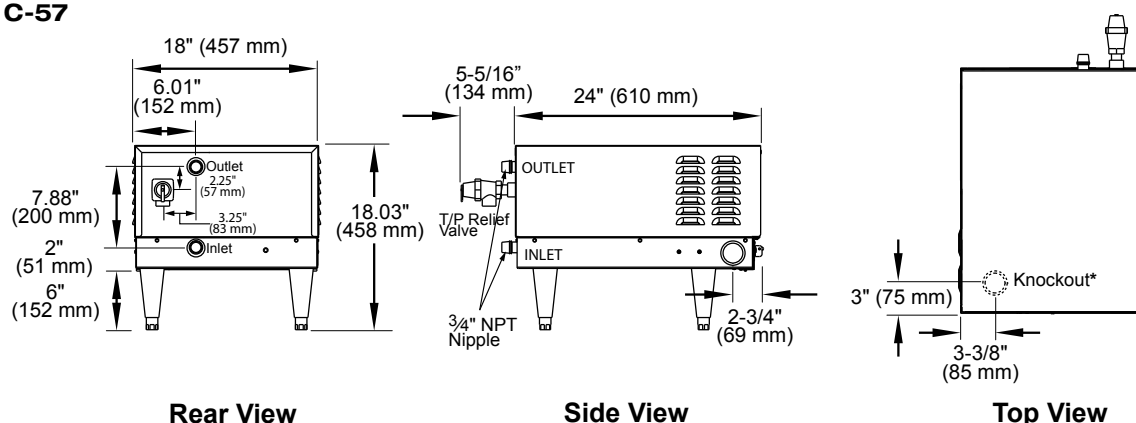
* Knockout is located on the bottom of unit.



Models C-24 through C-57

Electrical Knockouts left side and bottom—1-1/2" and 2"

* Knockout is located on the bottom of unit.



SPECIFICATIONS Compact Electric Boosters

Model	Dimensions (Width x Depth x Height*)	kW	Volts	1 phase		3 phase		Ship Weight*
				Amps	Breaker/ Fuse Size	Amps	Breaker/ Fuse Size	
C-4	13.06" x 20.69" (26") x 13.78" (332 x 525 (660 mm) x 350 mm)	4	208	19.3	30	—	—	115 lbs. (52 kg)
			240	16.7	30	—	—	
			480	8.4	15	—	—	
C-5	13.06" x 20.69" (26") x 13.78" (332 x 525 (660 mm) x 350 mm)	5	208	24.1	30	—	—	115 lbs. (52 kg)
			240	20.9	30	—	—	
			480	10.5	15	—	—	
C-6*	13.06" x 20.69" (26") x 13.78" (332 x 525 (660 mm) x 350 mm)	6	208	28.9	40	25	40	118 lbs. (54 kg)
			240	25	40	21.6	30	
			480	12.5	20	10.8	15	
			600	—	—	6.1	15	
C-7*	13.06" x 20.69" (26") x 13.78" (332 x 525 (660 mm) x 350 mm)	7	208	33.7	50	29.1	40	118 lbs. (54 kg)
			240	29.2	40	25.2	40	
			480	14.6	20	12.6	20	
			600	—	—	6.8	15	

* Height does not include legs.

* Shipping weight includes packaging.

† Includes Temperature/Pressure Relief Valve.

• Only 6, 7, & 9kW Models, 208 and 240 volts only, can be field converted to single phase (units are shipped 3-phase open delta). Larger branch circuit required than for balanced 3-phase of equal kW. (Balanced 3-phase available, consult factory.)



Compact Electrical Booster Water Heaters

Model: C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57

SPECIFICATIONS Compact Electric Boosters

Model	Dimensions (Width x Depth x Height*)	kW	Volts	1 phase		3 phase		Ship Weight*
				Amps	Breaker/ Fuse Size	Amps	Breaker/ Fuse Size	
C-9	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	9	208	43.3	60	37.5	50	118 lbs. (54 kg)
			240	37.5	50	32.4	50	
			480	18.8	30	16.3	30	
			600	—	—	8.7	15	
C-12	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	12	208	57.7	90	33.4	50	120 lbs. (54 kg)
			240	50	70	28.9	40	
			480	25	40	14.5	20	
			600	—	—	11.6	20	
C-13	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	13.5	208	65	90	37.5	50	120 lbs. (54 kg)
			240	56.3	90	32.5	50	
			480	28.2	20	16.3	30	
			600	—	—	13.1	20	
C-15	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	15	208	72.2	90	41.7	60	120 lbs. (54 kg)
			240	62.5	90	36.1	50	
			480	31.3	40	18.1	30	
			600	—	—	14.5	20	
C-17	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	17.25	208	—	—	47.9	60	120 lbs. (54 kg)
C-18	13.06" x 20.69" (26"†) x 13.78" (332 x 525 (660 mm†) x 350 mm)	18	208	86.6	125	—	—	120 lbs. (54 kg)
			240	75	100	43.4	60	
			480	37.5	50	21.7	30	
			600	—	—	17.4	30	
C-24	18" x 24" (29.25"†) x 12.03" (457 x 610 (743 mm†) x 306 mm)	24	208	115.4	150	66.7	90	142 lbs. (64 kg)
			240	100	125	57.8	90	
			480	—	—	28.9	40	
			600	—	—	23.2	30	
C-27	18" x 24" (29.25"†) x 12.03" (457 x 610 (743 mm†) x 306 mm)	27	208	129.9	175	75	100	142 lbs. (64 kg)
			240	112.5	150	65	90	
			480	—	—	32.5	50	
			600	—	—	26.1	40	
C-30	18" x 24" (29.25"†) x 12.03" (457 x 610 (743 mm†) x 306 mm)	30	208	144.3	200	83.3	125	142 lbs. (64 kg)
			240	125	175	72.2	100	
			480	—	—	36.1	50	
			600	—	—	29	40	
C-36	18" x 24" (29.25"†) x 12.03" (457 x 610 (743 mm†) x 306 mm)	36	208	173.1	225	100	125	142 lbs. (64 kg)
			240	150	200	86.7	125	
			480	—	—	43.4	60	
			600	—	—	34.8	50	
C-39	18" x 24" (29.25"†) x 12.03" (457 x 610 (743 mm†) x 306 mm)	39	208	187.5	250	108.3	150	142 lbs. (64 kg)
			240	162.5	225	93.9	125	
			480	—	—	47	60	
			600	—	—	37.7	50	

* Height does not include legs.

* Shipping weight includes packaging.

* Only 6, 7, & 9kW Models, 208 and 240 volts only, can be field converted to single phase (units are shipped 3-phase open delta). Larger branch circuit required than for balanced 3-phase of equal kW. (Balanced 3-phase available, consult factory.)

† Includes Temperature/Pressure Relief Valve.



Compact Electrical Booster Water Heaters

Model: C-4, -5, -6, -7, -9, -12, -13, -15, -17, -18, -24, -27, -30, -36, -39, -45, -54, -57

SPECIFICATIONS Compact Electric Boosters

The shaded areas contain electrical information for International models

Model	Dimensions (Width x Depth x Height*)	kW	Volts	1 phase		3 phase		Ship Weight*
				Amps	Breaker/ Fuse Size	Amps	Breaker/ Fuse Size	
C-45	18" x 24" (29.25") x 12.03" (457 x 610 (743 mm) x 306 mm)	45	208	—	—	125	175	142 lbs. (64 kg)
			240	187.5	250	108.3	150	
			480	—	—	54.2	70	
			600	—	—	43.5	60	
C-54	18" x 24" (29.25") x 12.03" (457 x 610 (743 mm) x 306 mm)	54	208	—	—	149.9	200	142 lbs. (64 kg)
			240	—	—	130	175	
			480	—	—	65	90	
			600	—	—	52.1	70	
C-57	18" x 24" (29.25") x 12.03" (457 x 610 (743 mm) x 306 mm)	57	208	—	—	158.3	200	142 lbs. (64 kg)
			240	—	—	137.2	175	
			480	—	—	68.6	90	
			600	—	—	54.9	70	

* Height does not include legs.

* Shipping weight includes packaging.

† Includes Temperature/Pressure Relief Valve.

WATER TEMPERATURE RECOVERY TABLE

Model	40°F (22°C) Rise	70°F (39°C) Rise
C-4	40 gph (151 lph)	23 gph (87 lph)
C-5	50 gph (189 lph)	29 gph (110 lph)
C-6	60 gph (227 lph)	34 gph (129 lph)
C-7	70 gph (265 lph)	40 gph (151 lph)
C-9	90 gph (341 lph)	52 gph (197 lph)
C-12	120 gph (454 lph)	69 gph (261 lph)
C-13	135 gph (511 lph)	77 gph (292 lph)
C-15	151 gph (572 lph)	86 gph (326 lph)
C-17	173 gph (655 lph)	99 gph (375 lph)

Model	40°F (22°C) Rise	70°F (39°C) Rise
C-18	181 gph (685 lph)	103 gph (390 lph)
C-24	241 gph (912 lph)	138 gph (522 lph)
C-27	271 gph (1026 lph)	155 gph (587 lph)
C-30	301 gph (1139 lph)	172 gph (651 lph)
C-36	361 gph (1367 lph)	206 gph (780 lph)
C-39	391 gph (1480 lph)	224 gph (848 lph)
C-45	452 gph (1711 lph)	258 gph (977 lph)
C-54	542 gph (2052 lph)	310 gph (1174 lph)
C-57	573 gph (2169 lph)	326 gph (1234 lph)

WATER QUALITY REQUIREMENTS

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to booster heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

Note: Product failure caused by liming or sediment buildup is not covered under warranty.

PRODUCT SPECS Electric Booster Water Heaters

The Electric Booster Water Heater shall be manufactured for commercial use by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The booster to supply the final 80°F (82°C) rinse for the dishwasher shall have the capacity to heat ... gph (lph) from 120°F to 180°F (49°C to 82°C) and it shall be rated at ... kW, ... volts, ... phase. The tank shall be designed for a working pressure of 150 psi (1034 kPa) and hydrostatically tested at 300 psi (2069 kPa) with a Hatco Castone® lining.

The heater shall be complete with all internal plumbing, including ¾" NPT pipe and fittings for inlet and outlet. Controls shall be built-in, including contactors and prewired in accordance with UL #1453 and 422.11 NEL 2002. Proper surface mounting circuit

breaker or fused disconnect switch shall be provided by electrical contractor. Electric heating elements shall be metal sheathed, controlled by an ambient compensating immersion thermostat. The booster shall be protected with high-temperature limit switch (ECO) and low-water cut-off.

The heater shall consist of stainless steel front and silver-gray hammertone body with standard 6" (152 mm) legs (or stainless steel body, base, and stainless steel adjustable legs).

The heater shall include a temperature/pressure relief valve, high-temperature pressure reducing valve with bypass, and two indicating temperature/pressure gauges.

Warranty consists of 24/7 parts and service assistance (US and Canada only).

DZILTH-NA-O-DITH-HLE **HATCO CORPORATION** | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
COMMUNITY SCHOOL (800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | support@hatcocorp.com

Submittal Sheet**ITEM# 9 - CLEAN DISHTABLE (1 EA REQ'D)**

Advance Tabco DTC-S30-72R

Dishtable, clean, straight design, left-to-right operation, 10-1/2"H backsplash, 3" rolled front & side rims, stainless steel legs & crossrails, 71"W x 30"D x 34"H, 14/304 stainless steel

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1		SPECIFY DISH MACHINE BRAND & MODEL to ensure proper fit.
Advance Tabco	1	K-508	Modification to reduce length.



STAINLESS STEEL DISHTABLES CLEAN STRAIGHT

NEW Tile Edge Design



DTC-S60-60R Shown
Optional Undershelf
Shown

Optional Stainless Steel UNDERSHELF

Die Cast LEG CLAMP
secured to shelf eliminates
unsightly nuts & bolts



**10-1/2" EXTRA LARGE
Bold Looking Backsplash
with 2" return and tile edge**



Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____

Spec-Line: 14 ga. 304 Series Stainless Steel Top.
16 ga. 304 Stainless Steel Legs Stainless Steel Legs
with Welded Cross Bracing & Stainless Steel Bullet Feet.

UPGRADED!
Standard: 16 ga. 304 Series Stainless Steel Top.
16 ga. 304 Stainless Steel Legs Stainless Steel Legs
with Welded Cross Bracing & Stainless Steel Bullet Feet.

Super Saver: 16 ga. 304 Series Stainless Steel Top.
Galvanized Legs with Plastic Bullet Feet.

FEATURES:

Tile edge for ease of installation.

Dishtable system consists of SOIL and CLEAN sections.

Table is furnished with 10-1/2" splash with a 2" return.

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces and to a satin finish.

Stainless Steel Gussets welded to a stainless steel support channel.

ACCESSORIES	Model #	Qty
Faucet		
Wall Shelf		
Undershelf		

Nominal sizing on all
dishtables for ease of
installation.

		14 Gauge 304 16 Ga. Stainless Steel Legs	16 Gauge 304 Stainless Steel Legs	16 Gauge 304 Galvanized Legs		
Nominal Size	"L"	SPEC-LINE	STANDARD	SUPER SAVER	Approx. Wt.	
2 Ft.	23"	DTC-S30-24L or R	DTC-S70-24L or R	DTC-S60-24L or R	35 lbs.	
3 Ft.	35"	DTC-S30-36L or R	DTC-S70-36L or R	DTC-S60-36L or R	45 lbs.	
4 Ft.	47"	DTC-S30-48L or R	DTC-S70-48L or R	DTC-S60-48L or R	60 lbs.	
5 Ft.	59"	DTC-S30-60L or R	DTC-S70-60L or R	DTC-S60-60L or R	70 lbs.	
6 Ft.	71"	DTC-S30-72L or R	DTC-S70-72L or R	DTC-S60-72L or R	85 lbs.	
7 Ft.	83"	DTC-S30-84L or R	DTC-S70-84L or R	DTC-S60-84L or R	100 lbs.	
8 Ft.	95"	DTC-S30-96L or R	DTC-S70-96L or R	DTC-S60-96L or R	110 lbs.	
9 FT.	107"	DTC-S30-108L or R	DTC-S70-108L or R	DTC-S60-108L or R	225 lbs.	
10 Ft.	119"	DTC-S30-120L or R	DTC-S70-120L or R	DTC-S60-120L or R	250 lbs.	
12 Ft.	143"	DTC-S30-144L or R	DTC-S70-144L or R	DTC-S60-144L or R	260 lbs.	



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NEVADA

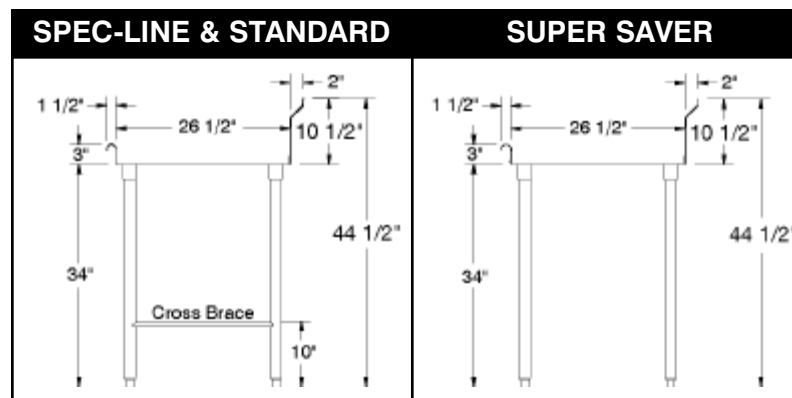
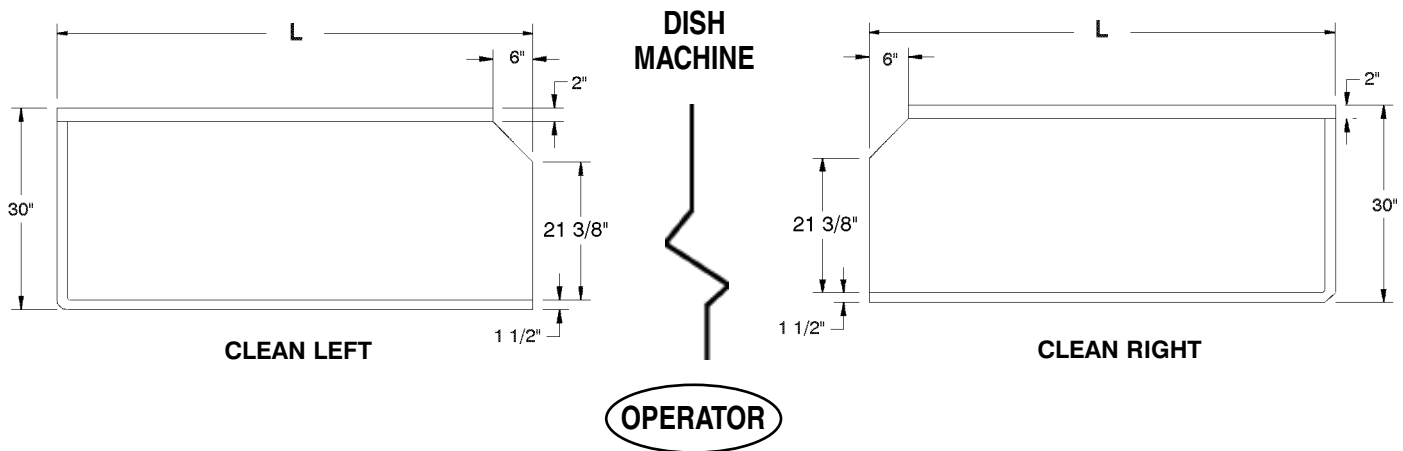
Fax: (775) 972-1578

DIMENSIONS and SPECIFICATIONS

TOL $\pm .500"$

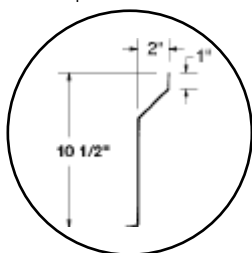
ALL DIMENSIONS ARE TYPICAL

SEE DISH MACHINE COMPATIBILITY CHART TO ENSURE PROPER FIT

Dish Machine Compatibility Chart can be found on our website at www.advancetabco.com under "Product Support"

*CUSTOMIZE YOUR OWN SYSTEM
by Ordering Optional Accessories from our
PRODUCT & PRICE GUIDE*

Splash Detail



Description	SPEC-LINE	STANDARD	SUPER SAVER
Material	14 Ga. 304 Series	16 Ga. 304 Series	16 Ga. 304 Series
1 5/8" Dia. Legs	Stainless Steel	Stainless Steel	Galvanized
Gussets	Stainless Steel	Stainless Steel	Stainless Steel
Bullet Feet (1" adj.)	Stainless Steel	Stainless Steel	Plastic
Cross Bracing	Welded	Welded	Optional



DTA-95



DTA-87



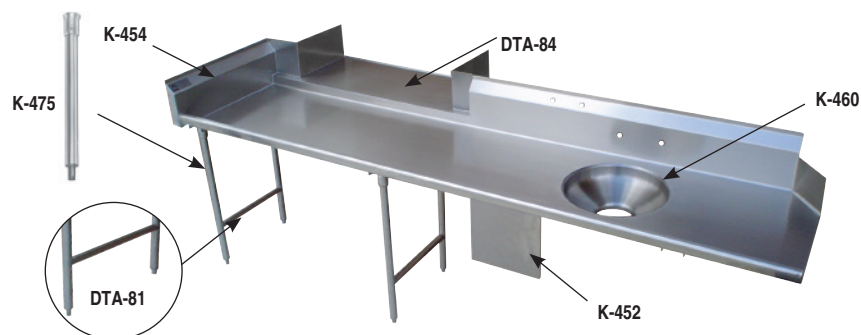
DTA-82



DTA-45

DISHTABLE MODS

Dishtable Modifications & Accessories



MODIFICATIONS

K-23	Welded Set-Up/Crated
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4')
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL





ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications



Conforms To NSF 61/9 Lead Free Requirements

CA Prop 65 WARNING: This product may contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

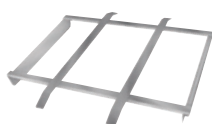
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

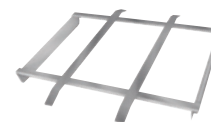
Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Add-A-Faucet for Prerinse Faucets (DTA-53/K-116)

K-117

12" Spout



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119

8" O.C.

16" Spout



Splash Mounted Faucet

K-101

8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Stainless Steel Sink Compartment Covers

K-455

16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

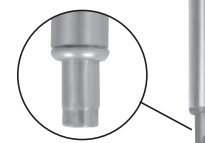
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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Submittal Sheet**ITEM# 10 - THREE (3) COMPARTMENT SINK (1 EA REQ'D)**

Advance Tabco FC-3-1824-24RL-X

Fabricated Sink, 3-compartment, 24" right & left drainboards, bowl size 18" x 24" x 14" deep, 16 gauge 304 stainless steel, tile edge splash, rolled edge, 8" OC faucet holes, stainless steel legs with adjustable side cross-bracing, 1" adjustable stainless steel bullet feet, overall 30" F/B x 102" L/R, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	3	K-4-X	Support Bracket, for lever waste drain handle, (1) support required for each lever drain

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	(3) 1-1/2"	

PLUMBING 1 REMARKS

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



FABRICATED ECONOMY SINKS

Three & Four Compartments



Rolled Rim
Edge For
Additional
Strength



Fabricated Bowls are
Welded Together at the
Seams

Item #: _____ Qty #: _____

Model #: _____

Project #: _____

FEATURES:

Backsplash has tile edge for ease of installation.

Sink bowls are 3/4" coved corner and meet NSF requirements.

Rolled Rim Edge for additional strength.

Sink Bowls are 14" deep for greater capacity.

Adjustable front-to-back cross-bracing

MATERIAL:

1 5/8" diameter stainless steel legs with
1" adjustable stainless steel bullet feet.

Entire unit is 16 gauge 304 stainless steel.

Gussets - stainless steel.

MECHANICAL:

- Supply is 1/2" IPS hot & cold.
- Faucet holes on 8" centers.
- Faucets are not included
(see accessories).
- Waste drains are 1 1/2" IPS S/S basket
type, located in center of sink bowl, and
are included.

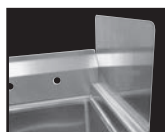
CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent
surfaces and to a satin finish.

Gussets welded to a die-formed
reinforced plate.

OPTIONAL:



K-700

Removable
Side Splashes
Fits Left OR Right Side

	MODEL #	Length L	Width W	Bowl Size A & B	Drbd. Length C	# of Drbds.	Drbd. Location	Wt.
3 COMPARTMENT	FC-3-1515	50"	20 1/2"	15" x 15"	N/A	0	None	110 lbs.
	FC-3-1515-15RorL	62 1/2"	20 1/2"		15"	1	Specify	120 lbs.
	FC-3-1515-15RL	75"	20 1/2"		15"	2	R & L	120 lbs.
	FC-3-1620	53"	26"	16" x 20"	N/A	0	None	120 lbs.
	FC-3-1620-18RorL	68 1/2"	26"		18"	1	Specify	135 lbs.
	FC-3-1620-18RL	84"	26"		18"	2	R & L	150 lbs.
	FC-3-1620-24RL	96"	26"		24"	2	R & L	205 lbs.
	FC-3-1620-36RL	120"	26"		36"	2	R & L	240 lbs.
	FC-3-1818	59"	24"	18" x 18"	N/A	0	None	120 lbs.
	FC-3-1818-18RorL	74 1/2"	24"		18"	1	Specify	128 lbs.
	FC-3-1818-24RorL	80 1/2"	24"		24"	1	Specify	136 lbs.
	FC-3-1818-18RL	90"	24"		18"	2	R & L	140 lbs.
	FC-3-1818-24RL	102"	24"		24"	2	R & L	150 lbs.
	FC-3-1824	59"	30"	18" x 24"	N/A	0	None	135 lbs.
	FC-3-1824-18RorL	74 1/2"	30"		18"	1	Specify	142 lbs.
	FC-3-1824-24RorL	80 1/2"	30"		24"	1	Specify	150 lbs.
	FC-3-1824-18RL	90"	30"		18"	2	R & L	265 lbs.
	FC-3-1824-24RL	102"	30"		24"	2	R & L	300 lbs.
	FC-3-2028-24RL	108"	34"	20" x 28"	24"	2	R & L	315 lbs.
	FC-3-2030-20RL	100"	36"	20" x 30"	20"	2	R & L	315 lbs.
	FC-3-2030-30RL	120"	36"		30"	2	R & L	370 lbs.
	+ FC-3-2424	77"	30"	24" x 24"	N/A	0	None	175 lbs.
	+ FC-3-2424-18RorL	92.5"	30"		18"	1	Specify	310 lbs.
	+ FC-3-2424-18RL	108"	30"		18"	2	R&L	330 lbs.
	+ FC-3-2424-24RorL	98 1/2"	30"		24"	1	Specify	330 lbs.
	+ FC-3-2424-24RL	120"	30"		24"	2	R & L	350 lbs.
	+ FC-3-2430	77"	36"	24" x 30"	N/A	0	None	200 lbs.
	+ FC-3-2430-24RorL	99"	36"		24"	1	Specify	375 lbs.
	+ FC-3-2430-24RL	120"	36"		24"	2	R & L	400 lbs.
	+ FC-3-2430-30RorL	105"	36"		30"	1	Specify	425 lbs.
	+ FC-3-2430-30RL	132"	36"		30"	2	R & L	445 lbs.
	+ FC-3-2430-36RorL	111"	36"		36"	1	Specify	450 lbs.
	+ FC-3-2430-36RL	144"	36"		36"	2	R & L	490 lbs.
	+ FC-3-3024	95"	30"	30" x 24"	N/A	0	None	200 lbs.
	+ FC-3-3024-24RorL	117"	30"		24"	1	Specify	375 lbs.
	+ FC-3-3024-24RL	138"	30"		24"	2	R & L	400 lbs.
	+ FC-3-3024-30RorL	123"	30"		30"	1	Specify	425 lbs.
	+ FC-3-3024-30RL	150"	30"		30"	2	R & L	445 lbs.
	+ FC-3-3024-36RorL	129"	30"		36"	1	Specify	450 lbs.
	+ FC-3-3024-36RL	162"	30"		36"	2	R & L	490 lbs.
	+ FC-3-3030	95"	36"	30" x 30"	N/A	0	None	240 lbs.
	+ FC-3-3030-24RL	138"	36"		24"	2	R & L	470 lbs.
	+ FC-3-3030-30RL	150"	36"		30"	2	R & L	515 lbs.
	+ FC-3-3030-36RL	162"	36"		36"	2	R & L	560 lbs.
4 COMP.	+ FC-4-1818-18RL	108"	24"	18" x 18"	18"	2	R & L	270 lbs.
	+ FC-4-1824-18RL	108"	30"	18" x 24"	18"	2	R & L	325 lbs.
	+ FC-4-2424-24RL	144"	30"	24" x 24"	24"	2	R & L	355 lbs.

† Requires Two Sets of Faucets

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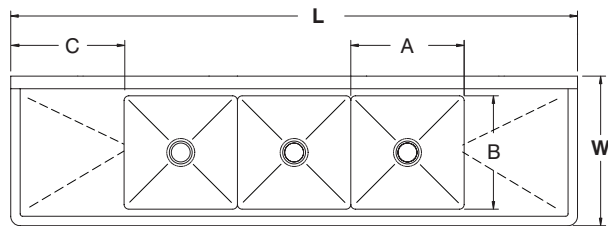
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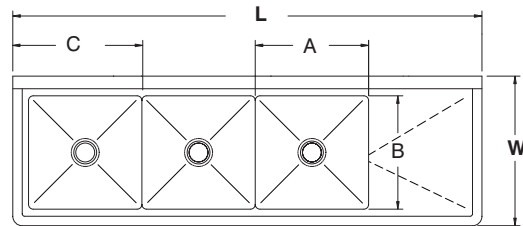
DIMENSIONS and SPECIFICATIONS

TOL Overall: $\pm .500"$
 Interior: $\pm .250"$

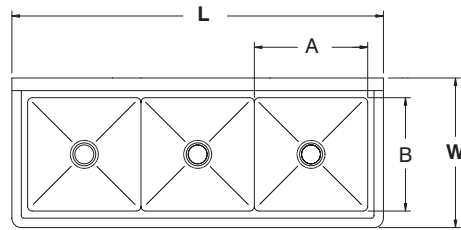
ALL DIMENSIONS ARE TYPICAL



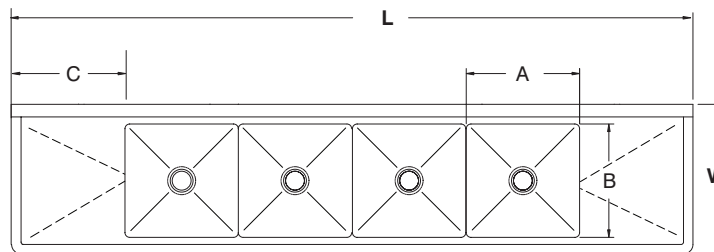
3 COMP - 2 DRBD



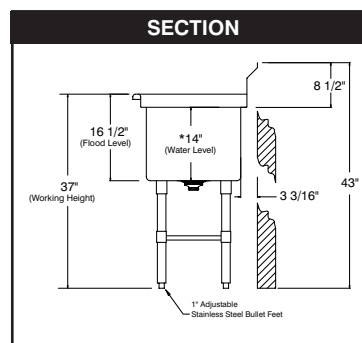
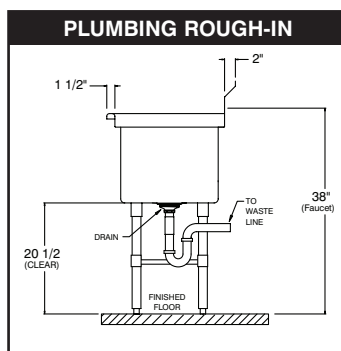
3 COMP - 1 DRBD



3 COMP



4 COMP - 2 DRBD



ACCESSORIES

	Model #	Qty
DRAINS		
FAUCETS		

OPTIONAL MODIFICATIONS:

K-450	Extend Drainboard Length (Drainboards over 36" Are Not Creased or Pitched.)
K-470	Modify Bowl Depth

[See our full line of
Modifications & Accessories on the web!](#)



REF-E

325 Wireless Boulevard, Hauppauge, NY 11788

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

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Page: 50

DISHTABLE STANDARDS



Shown with 8" Deep Sink Bowl, Pre-rinse Basket & Slide Bar

Features and Benefits

- 3/4" Radius Corner Sink Bowls
- 10-1/2" Tile Edge Backsplash
- 1-5/8" Tubular Legs
- Economical Savings
- Satin Finish

SPEC-LINE "30" Series

- 14 ga. 304 Stainless Steel Top
- Stainless Steel Cross Bracing on Sides
- 16 ga. 304 Stainless Steel Legs & Adjust. Bullet Feet
- 10-1/2" Backsplash
- 8" Deep Sink Bowls (Soil Units)



STANDARD "70" Series

- 16 ga. 304 Stainless Steel Top
- Stainless Steel Cross Bracing on Sides
- Stainless Steel Legs and Adjust. Bullet Feet
- 10-1/2" Backsplash
- 5" Deep Sink Bowls (Soil Units)



SUPERSAVER "60" Series

- 16 ga. 304 Stainless Steel Top
- Galvanized Legs & Adjust. Plastic Bullet Feet
- 10-1/2" Backsplash
- 5" Deep Sink Bowls (Soil Units)



WHEN PLACING AN ORDER, PLEASE PROVIDE THE DISH MACHINE MODEL NUMBER TO ENSURE PROPER DISHTABLE COMPATIBILITY.

Due to some machine manufacturer's recommendations for specific service access, the following modifications will apply...

DTA-76 (Relocate sink location)

Dish Machines that require a **DTA-76**:

ES-4400, ES-6600, WH-series, APEX TSC-V
CMA 180 (Right-side), 44, 66
Hobart AM-15 (corner configuration) C-series, CL-series,
CCS-66/77/86/110, CRS-series
Jackson AJ-series, TS-series, TSC-series
Meiko K-series
Stero SCT-series

DTA-76

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DTA-78 (Notch in backsplash to clear handle)

Dish Machines that require a **DTA-78**:

ADS HT-25, SS-25
Blakeslee D-8, D-9
Ecolab ES-4000
Electrolux WT65
Hobart AM-15 (Corner Configuration)

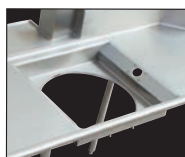
DTA-78



This is A Partial List. Please Refer To Our "Product Support" Section At www.advancetabco.com For Updates.

DISHTABLE MODS

Dishtable Modifications & Accessories



DTA-95



DTA-87



DTA-82



DTA-45



MODIFICATIONS

K-23	Welded Set-Up/Crated
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls

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ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

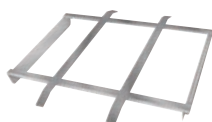
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Add-A-Faucet for Prerinse Faucets (DTA-53/K-116)

K-117

12" Spout



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119

8" O.C.

16" Spout



Splash Mounted Faucet

K-101

8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Stainless Steel Sink Compartment Covers

K-455

16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

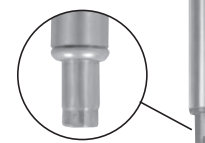
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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NEVADA
Fax: (775) 972-1578

Submittal Sheet

ITEM# 11 - WALL / SPLASH MOUNT FAUCET (1 EA REQ'D)

T&S Brass

Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ACCESSORIES

Mfr	Qty	Model	Spec
T&S Brass	1	B-0230-K	Installation Kit, (2) 1/2" NPT nipples, lock nuts & washers, (2) short "El" 1/2" NPT female x male
T&S Brass	3	B-3950	Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet with 1-1/2" adapter (replaces B-3912, B-3916)

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"					
2									

WASTE

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

PLUMBING 2 REMARKS

2" NPT Male Thread, 1-1/2 NPT Female Thread Outlet



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2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.

B-0231

Item No.



ADA Compliant

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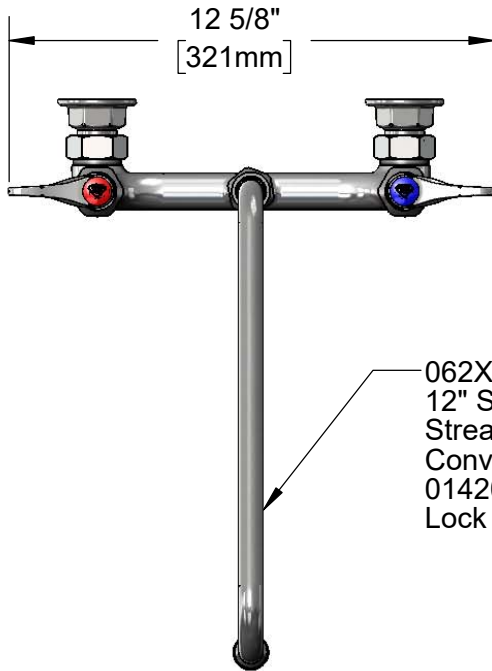
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Model Specified _____ Quantity _____

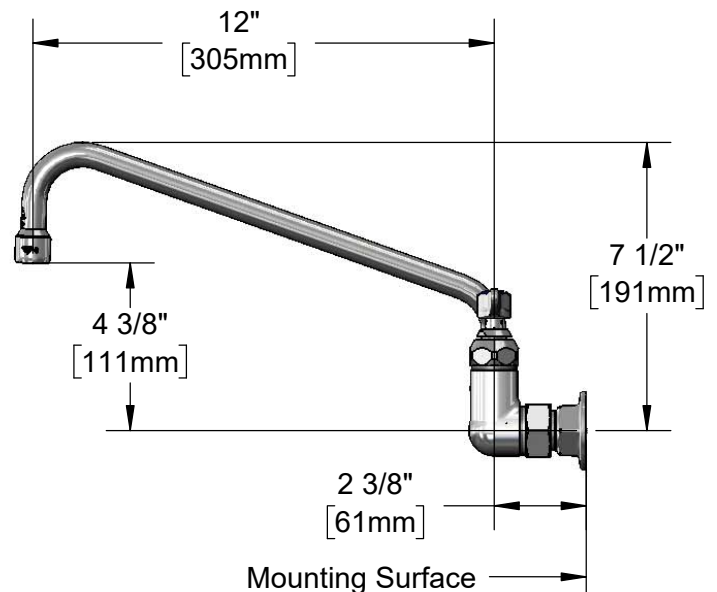
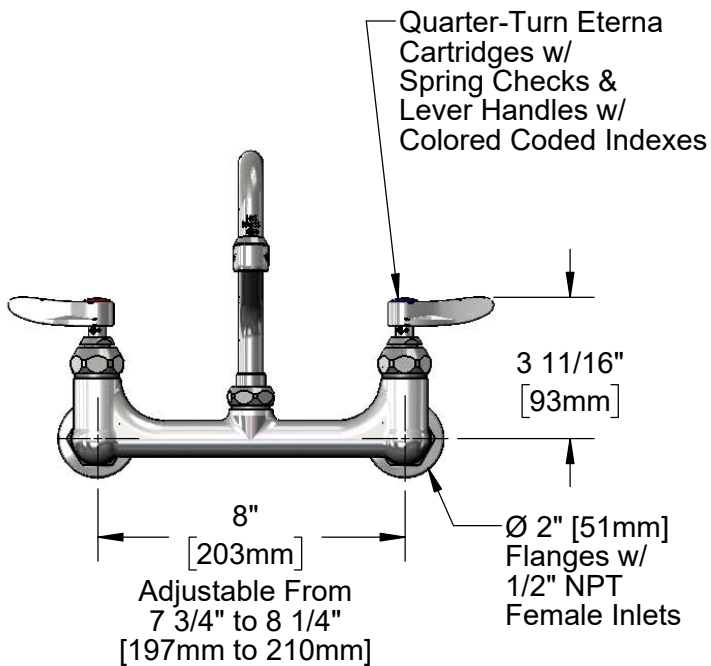
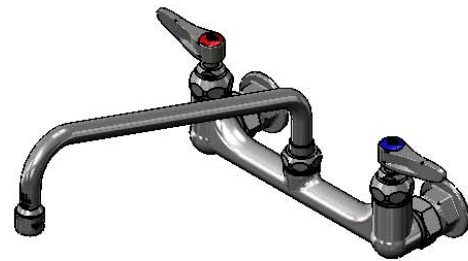
Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____



062X
12" Swing Nozzle w/
Stream Regulator Outlet
Converts to Rigid w/
014200-45
Lock Washer (Included).



Product Specifications:

8" Wall Mount Mixing Faucet w/ Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
ANSI A117.1 (ADA)

Drawn: MRC Checked: JRM Approved: JHB Date: 01/22/18

Scale: 1:5 Sheet: 1 of 2



T&S BRASS AND BRONZE WORKS, INC.

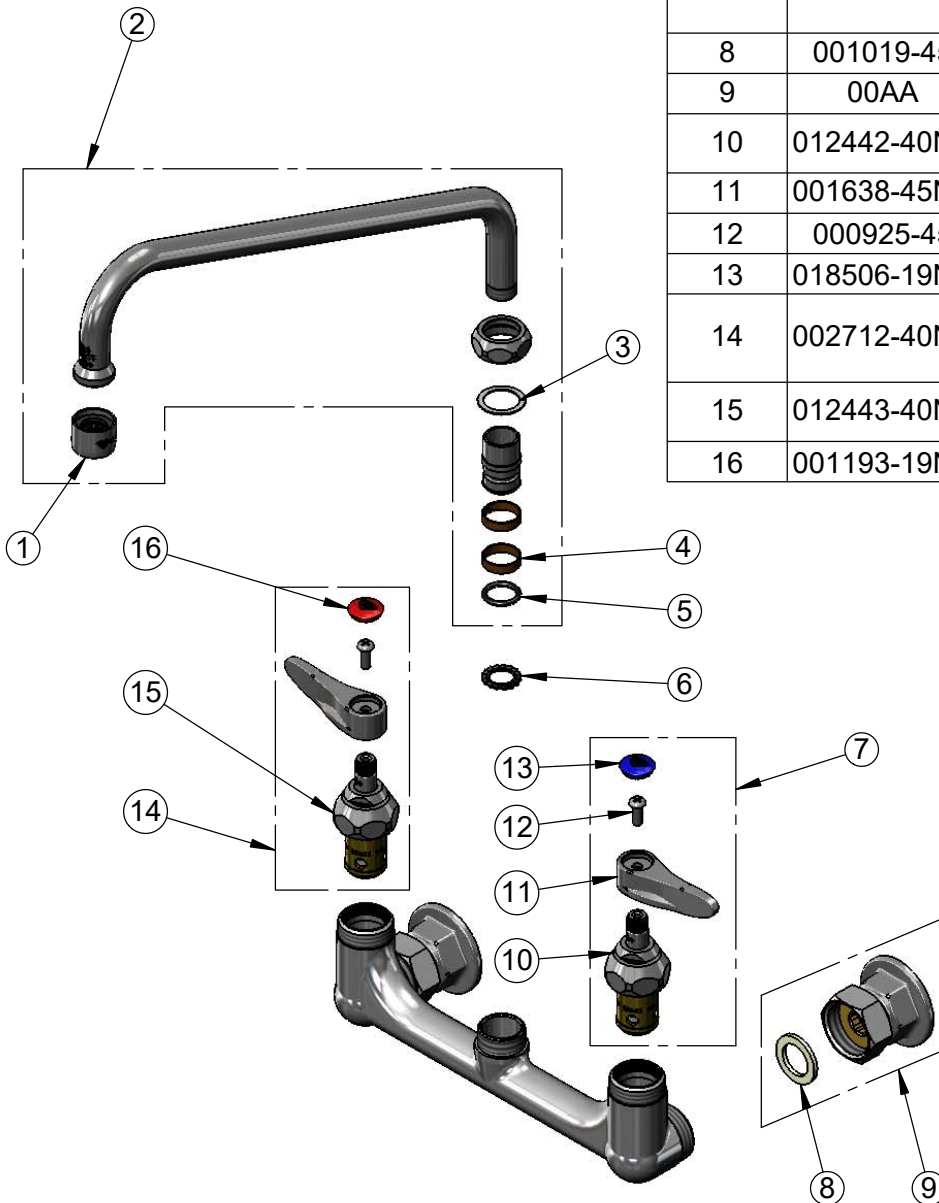
2 Saddleback Cove / P.O. Box 1088
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Model No.

B-0231

Item No.

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ITEM NO.	SALES NO.	DESCRIPTION
1	B-PT	Full Flow Stream Regulator, 55/64-27
2	062X	12" Swing Nozzle
3	009538-45	Swivel Washer
4	011429-45	Swivel Sleeves (2)
5	001074-45	O-Ring
6	014200-45	Star Washer, Anti-Rotation
7	002711-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Blue Index & Screw, LTC
8	001019-45	Coupling Nut Washer
9	00AA	1/2" NPT Female Eccentric Flange
10	012442-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, LTC
11	001638-45NS	Lever Handle (New Style)
12	000925-45	Lab Handle Screw
13	018506-19NS	Blue Button Index, Press-in
14	002712-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, Handle, Red Index & Screw, RTC
15	012443-40NS	Quarter-Turn Eterna Cartridge w/ Spring Check, RTC
16	001193-19NS	Red Button Index, Press-in

Product Specifications:

8" Wall Mount Mixing Faucet w/ Quarter-Turn Eterna Cartridges w/ Spring Checks, Lever Handles, 12" Swing Nozzle & 1/2" NPT Female Inlets

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
ANSI A117.1 (ADA)

Drawn: MRC Checked: JRM Approved: JHB Date: 01/22/18 Scale: NTS Sheet: 2 of 2


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 2 Saddleback Cove / P.O. Box 1088
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Model No.

B-0230-K

Item No.

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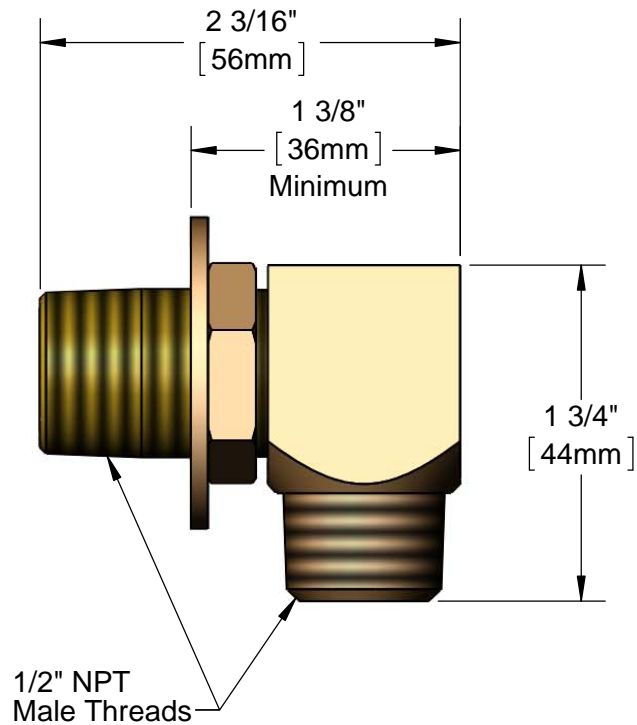
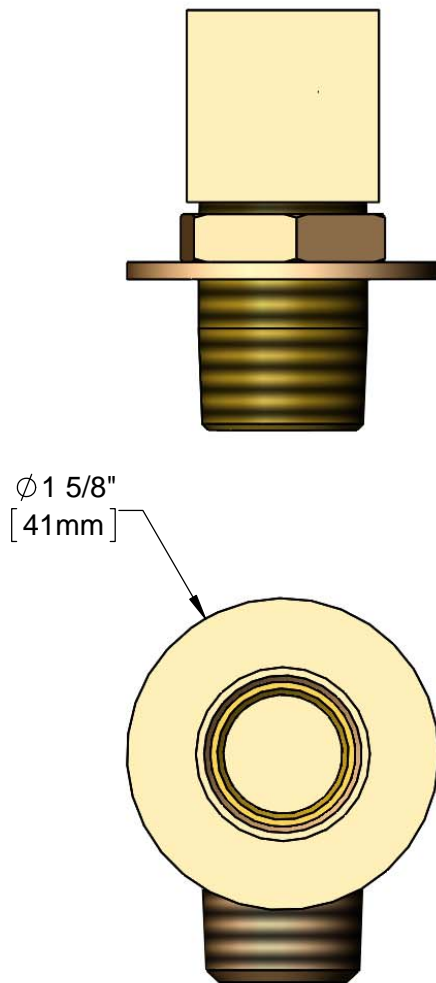
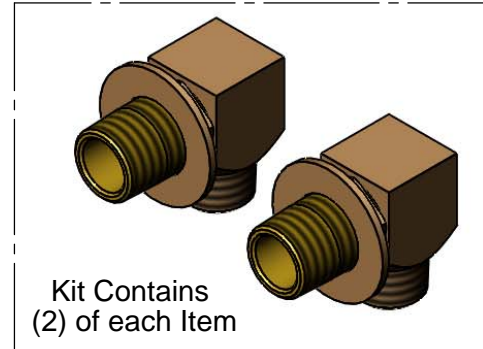
Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____


Product Specifications:
1/2" NPT Male Elbow Kit w/ Lock Nut & Washer

 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

Product Compliance:

 ASME A112.18.1 / CSA B125.1
 NSF 61 - Section 9
 NSF 372 (Low Lead Content)

Drawn: DHL

Checked: JRM

Approved: JHB

Date: 03/13/14

Scale:

1:1

Sheet: 1 of 2


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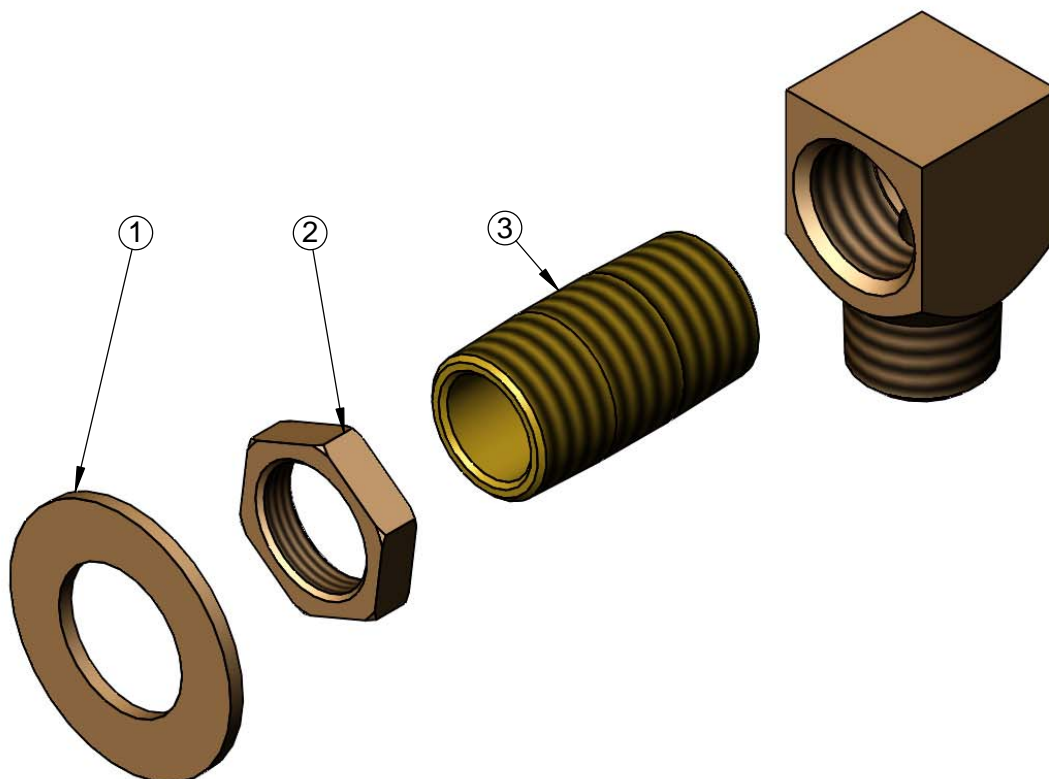
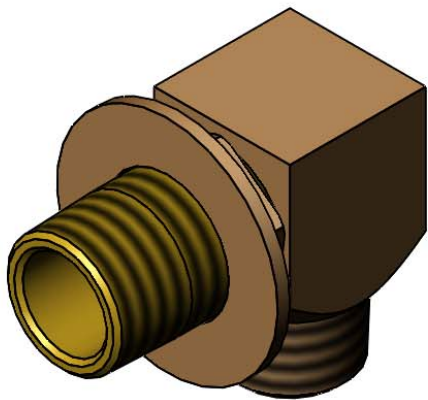
Model No.

B-0230-K

Item No.

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ITEM NO.	SALES NO.	DESCRIPTION
1	000999-45	Brass Lock Washer
2	002954-45	Shank Lock Nut
3	013357-20	1/2" NPT x 1-5/8" Lg. Close Nipple



Product Specifications:

1/2" NPT Male Elbow Kit w/ Lock Nut & Washer

 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

Product Compliance:

 ASME A112.18.1 / CSA B125.1
 NSF 61 - Section 9
 NSF 372 (Low Lead Content)

Drawn: DHL	Checked: JRM	Approved: JHB	Date: 03/13/14	Scale: NTS	Sheet: 2 of 2
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Model No.

B-3950

Item No.

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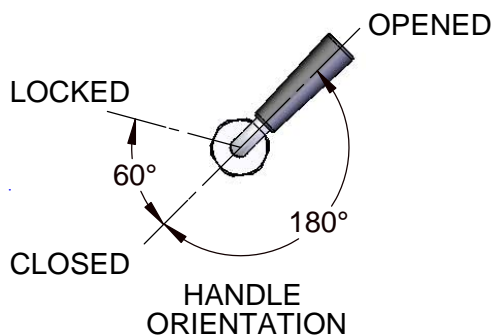
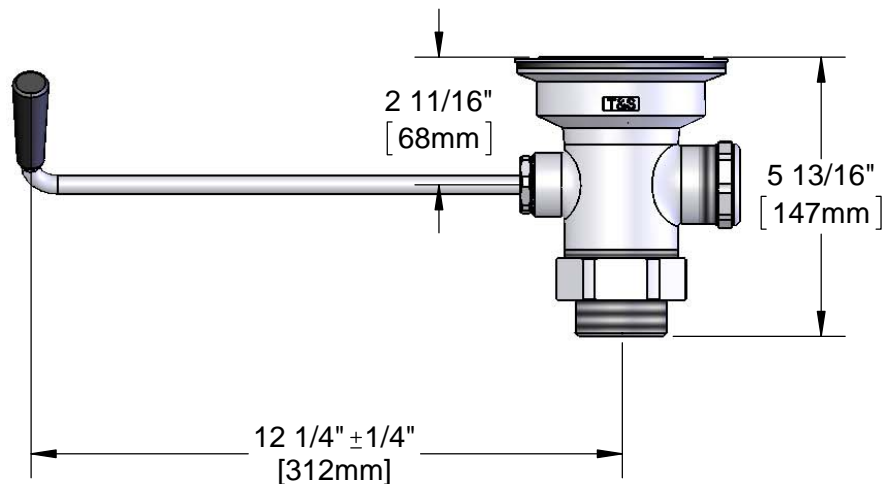
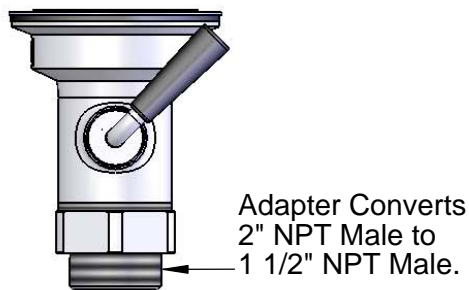
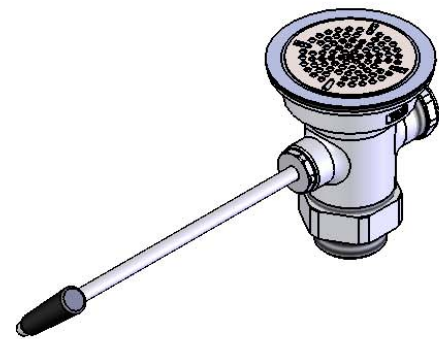
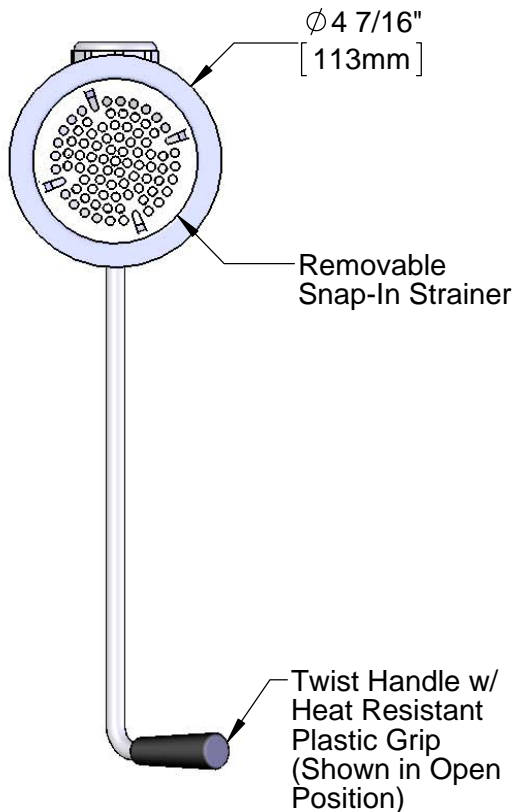
Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____



Product Specifications:
Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male Outlet
& 1 1/2" NPT Male Adapter

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:
ASME A112.18.2 / CSA B125.2

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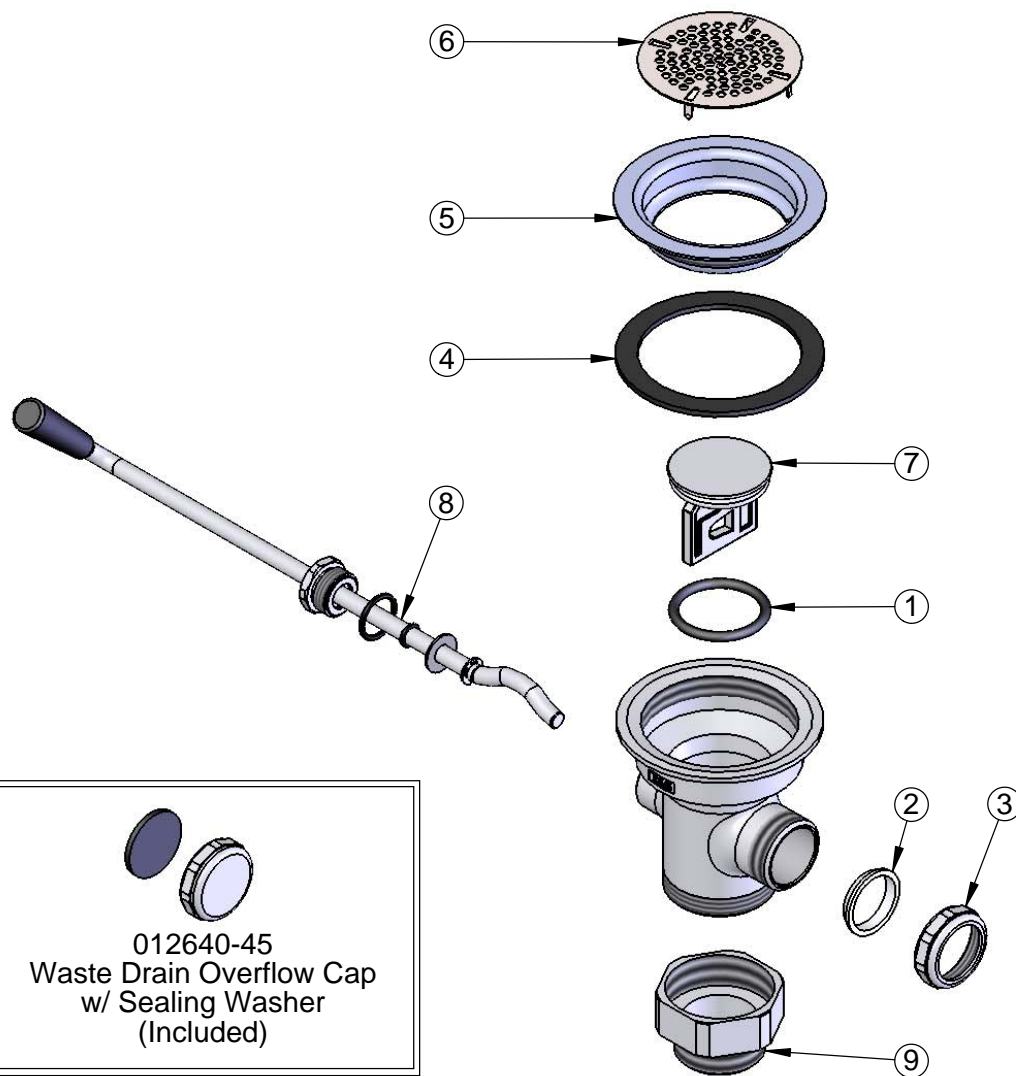
Model No.

B-3950

Item No.

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ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Rotary Waste Valve Twist Handle
9	B-3945	Adapter, 2" NPT x 1 1/2" NPT



012640-45
Waste Drain Overflow Cap
w/ Sealing Washer
(Included)

Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male Outlet
& 1 1/2" NPT Male Adapter

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Product Compliance:

ASME A112.18.2 / CSA B125.2

Drawn: DHL | Checked: JRM | Approved: JHB | Date: 06/30/14 | Scale: NTS | Sheet: 2 of 2

Submittal Sheet**ITEM# 12 - OVERSHELF (1 EA REQ'D)**

Advance Tabco PS-12-108

Shelf with Pot Rack, wall-mounted, 108"W x 12"D, 18/430 stainless steel shelf, 2" x 1/4" stainless steel pot rack, includes: (9) plated double pot hooks (units 96" & longer have (3) support brackets)

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	TA-60	Modification to reduce length and/or width of shelf, start with next largest size then add "TA-60" to model number
Advance Tabco	1	TA-30	Side Splash, 1-1/2" high (each)



STAINLESS STEEL POT RACKS

Item #: _____ Qty #: _____

Model #: _____

Project #: _____

CEILING MOUNTED



WALL MOUNTED



SHELF w/ POT RACK



Ceiling Mounted

L	S/S	POWDER COATED	# of Hooks	Wt
36"	SC-36	GC-36	12	42 lbs.
48"	SC-48	GC-48	12	48 lbs.
60"	SC-60	GC-60	18	54 lbs.
72"	SC-72	GC-72	18	60 lbs.
84"	SC-84	GC-84	18	66 lbs.
96"	SC-96	GC-96	18	80 lbs.
108"	SC-108	GC-108	18	86 lbs.
120"	SC-120	GC-120	18	92 lbs.
132"	SC-132	GC-132	18	98 lbs.
144"	SC-144	GC-144	18	104 lbs.

Wall Mounted

L	S/S	POWDER COATED	# of Hooks	Wt
24"	SW-24	GW-24	12	18 lbs.
36"	SW-36	GW-36	12	22 lbs.
48"	SW-48	GW-48	12	26 lbs.
60"	SW-60	GW-60	18	30 lbs.
72"	SW-72	GW-72	18	34 lbs.
84"	SW-84	GW-84	18	44 lbs.
96"	SW-96	GW-96	18	48 lbs.
108"	SW-108	GW-108	18	52 lbs.
120"	SW-120	GW-120	18	56 lbs.
132"	SW-132	GW-132	18	60 lbs.
144"	SW-144	GW-144	18	64 lbs.

Shelf with Pot Rack

L	12" Wide	Wt	15" Wide	Wt	18" Wide	Wt	# of Hooks
36"	PS-12-36	20 lbs.	PS-15-36	25 lbs.	PS-18-36	30 lbs.	6
48"	PS-12-48	30 lbs.	PS-15-48	35 lbs.	PS-18-48	40 lbs.	6
60"	PS-12-60	40 lbs.	PS-15-60	45 lbs.	PS-18-60	50 lbs.	9
72"	PS-12-72	50 lbs.	PS-15-72	55 lbs.	PS-18-72	60 lbs.	9
84"	PS-12-84	60 lbs.	PS-15-84	65 lbs.	PS-18-84	70 lbs.	9
96"	PS-12-96	70 lbs.	PS-15-96	75 lbs.	PS-18-96	80 lbs.	9
108"	PS-12-108	80 lbs.	PS-15-108	85 lbs.	PS-18-108	90 lbs.	9
120"	PS-12-120	90 lbs.	PS-15-120	95 lbs.	PS-18-120	100 lbs.	9
132"	PS-12-132	100 lbs.	PS-15-132	105 lbs.	PS-18-132	110 lbs.	9
144"	PS-12-144	110 lbs.	PS-15-144	115 lbs.	PS-18-144	120 lbs.	9

Units 8 ft. and larger are furnished with three (3) sets of supports brackets.

FEATURES: (Ceiling Mounted)

Ceiling suspension with chain hangers.
Optional stainless steel Flat Bar in lieu of Chain available. Use **TA-98**.

MATERIAL:

Flat steel bar is 2" x 1/4", either stainless steel or powder coated (as specified).

Pot hooks are plated.

24" long chain hangers are plated.

CONSTRUCTION:

All welded stainless steel units are blended to a satin finish.

All powder coated units are coated with FDA approved material.

FEATURES: (Wall Mounted)

Secured to wall by means of bolts through welded brackets.
(Hardware not provided)

MATERIAL:

Flat steel bar is 2" x 1/4", either stainless steel or powder coated (as specified).

Pot hooks are plated.

CONSTRUCTION:

All welded stainless steel units are blended to a satin finish.

All powder coated units are coated with FDA approved material.

FEATURES: (Shelf/Pot Rack)

A dual purpose unit for shelf and utensil storage.

Secured to wall by means of bolts through welded brackets.
(Hardware not provided)

MATERIAL:

Flat stainless steel bar is 2" x 1/4".
Pot hooks are plated.

Type "430" stainless steel shelf.

CONSTRUCTION:

All welded stainless steel units are blended to a satin finish.

Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

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For Smart Fabrication™ Quotes:

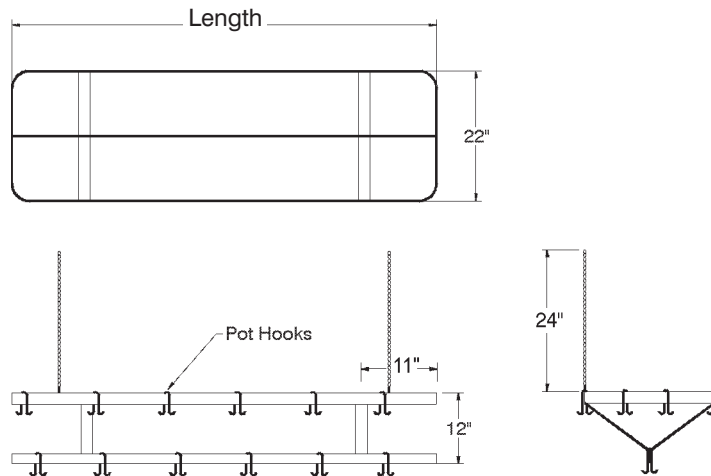
Email: smartfab@advancetabco.com or Fax: 631-586-2933

DETAILS and SPECIFICATIONS

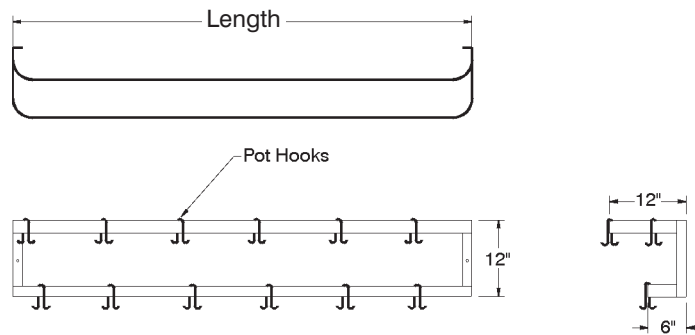
TOL $\pm .500"$

ALL DIMENSIONS ARE TYPICAL

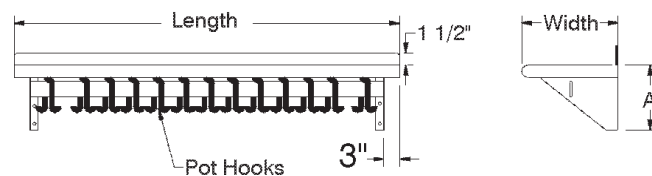
Ceiling Mounted



Wall Mounted



Shelf with Pot Rack



Width	A
12"	10 1/2"
15"	13 1/2"
18"	16 1/2"



TABLE MODIFICATIONS & ACCESSORIES

TOP MODIFICATIONS



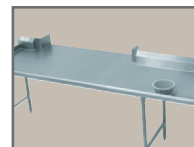
TA-56
5" NSF Partition



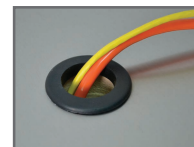
TA-523
Drop-In Urn Trough



CDR-5
Condiment Holder



TA-84
Pass-Thru



TA-108
Grommet For Cords

QTY.

CDR-5	Condiment Holder (Accommodates 5 Bins)
TA-1	Notch Backsplash For Roll Up Door w/ Pass-Thru
TA-3	Stainless Steel Hat Channel & Gusset Upgrade
TA-7	10" Partial Splash
TA-8	Column Notch in Rear Splash (Includes Splash)
TA-10	5" Partial Splash
TA-12	Countertop Edge
TA-22	Square Edge Table
TA-28	Cut-Out For Cold Well. Includes Louvered Doors
TA-29	16 Ga. 304 Rear Splash Capping Strip w/Adhesive Backing
TA-30	1-1/2" Side Splash
TA-30A	1-1/2" Turn Up For Table Tops
TA-31	5" Side Splash
TA-32	10" Side Splash
TA-34	Top Cut-Out
TA-34A	Top Cut-Out for Undermount Well
TA-35	Splash Cut-Out
TA-41	Poly-Vance 5/8" Cutting Board
TA-56	5" NSF Partition
TA-56A	18" NSF Partition
TA-57	Prepare Welded Field Joint (Welded in field by others)
TA-57A	Bolted Field Joint (Bolted in field by others)
TA-57B	Hairline Field Joint
TA-58	Stepdown to 24" Working Height
TA-64	Urn Trough (Factory installation only)
TA-75	Mitered Edge
TA-76	Paint on Sound Deadening
TA-79	Flour Trough (Factory installation only)
TA-82	Scrap Chute (6" dia. opening)
TA-84	Simple Pass-Thru
TA-87	Enclosed Rear Splash
TA-91	Poly Retaining Clips Includes TA-22 (S/S top table)

QTY.

TA-93	Wall Brackets (Includes 2. For 5" & 10 1/2" splash only)
TA-96A	Can Opener Provision for Openers with Bolt-on Base (Customer to provide location)
TA-96B	Can Opener Surface Mount Provision with 4" S/S Tube for Openers w/o Base (Customer to provide location)
TA-96C	Can Opener Spacer Plate Provision for Use on Tables With Countertop Edge & Can Opener Base (Customer to provide location)
TA-100	Bull Nose All Sides of Worktable
TA-101	Rear Tray Lock
TA-106	Mirror HI-LITE Edge
TA-107	Vacuum Breaker Holes on Tables (Includes Backsplash with 2" Return)
TA-108	2" Hole with Grommet for Appliance Cord
TA-112	Hubble Outlet
TA-113	Notch Top for Buyout Unit
TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
TA-135	Plate Shelf (Undercounter Mounted)
TA-366A	Heavy duty Understructure Top
TA-502	Install Advance Tabco Hot Food Unit In Work Table Top (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)
TA-521	Drop-In urn Trough 1'
TA-522	Drop-In urn Trough 2'
TA-523	Drop-In urn Trough 3'
TA-524	Drop-In urn Trough 4'
TA-525	Drop-In urn Trough 5'
TA-526	Drop-In urn Trough 6'
TA-527	Drop-In urn Trough 7'
TA-528	Drop-In urn Trough 8'
TA-529	Drop-In urn Trough 9'
TA-550	Install Customer Supplied Buyout Items (Does not include wiring. Consult factory)
TA-551	Installation of Hot Food Wells. (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)



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TABLE MODIFICATIONS & ACCESSORIES

BASE MODIFICATIONS



TA-39
Louvered Hinged Doors



TA-73
Drop-Down Tray Slide



TA-74
Solid Tray Slide



TA-900
ADJ. Height Tables



TA-116
Adj. Mid-Shelf

QTY.

___	TA-4	Removable Access Panel
___	TA-4A	Louvered Panel
___	TA-5	Curb Mounting Provision
___	TA-15	Provision for Built In Drawer Warmer
___	TA-23	Welded Set-Up Table/Crating
___	TA-24	Shell Crating
___	TA-27	Control Panel (Must add TA-34A or TA-34B)
___	TA-36A	Sliding/Hinge Stainless Steel Doors
___	TA-36B	1/2 Height Stainless Steel Hinge Doors
___	TA-36C	Hinged door with Trash Flap
___	TA-37	Stainless Enclosed Base
___	TA-39	24" Louvered Hinged Doors
___	TA-40	Remove Undershelf in Cabinet Base For Slide in Buyout
___	TA-42	Interior Partition (2.5"x30")
___	TA-43	Filler Panel (3"x30" with Flanged Feet)
___	TA-44	K.D. Aluminum Pan Rack Slides (6 slides. Table min. lgth. 30")
___	TA-45	K.D. Aluminum Glass Rack Slides (3 slides. Table min. lgth. 3 feet)
___	TA-46	Door Locks

QTY.

___	TA-48	12"x12" Cut-Out in Back Panel/Undershelf for Plumbing
___	TA-54	Removable Kick Plate
___	TA-55	Remove Back Panel (on Enclosed Base)
___	TA-63	Removable Shelving (In addition to standard shelf & table width)
___	TA-70	S/S Tubular Tray Divider (12" sections)
___	TA-73	Tubular Tray Slide w/Dropdown (Stationary Tray Slide Available. Factory installation only)
___	TA-74	Solid Tray Slide
___	TA-92	12" Apron (in front of sink)
___	TA-92A	17" Stainless Steel Apron to Cover Sink Bowls and Support Lever Drain Handles
___	TA-116	Adjustable Enclosed Base Cabinet Mid Shelf- Add to Price of Enclosed Base Table with Fixed Mid Shelf (M). Shelves Over 36" In Length Require Multiple Sections With Center Partition. For Partial Shelves Add To Price Of Shelf.
___	TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
___	TA-135	Plate Shelf (Undercounter Mounted)
___	TA-205	Connect Cafeteria Items (Per Joint Between 2 Tables. Requires Casters)
___	TA-900	Upgrade Table To be Height Adjustable In Field (Up to 6" Only. Unit Ships Set Up)

ELECTRICAL & DATA PORT OUTLETS



TA-62
Duplex Outlet



TA-62A
GFI Duplex Outlet



TA-62D
GFI Doghouse Outlet



TA-62F
Empty Junction Box



TA-112
Hubble Outlet

QTY.

___	TA-62	Standard Duplex Electrical Outlet & Cover Plate (Under Flat Top). NEMA 5-15R
___	TA-62A	GFI Duplex Outlet & Cover Plate in a VKS Splash. NEMA 5-20R
___	TA-62C	GFI Duplex Outlet & Cover Plate Below Shelf Top. NEMA 5-20R
___	TA-62D	GFI Duplex Outlet & Cover Plate in a Doghouse. NEMA 5-20R

QTY.

___	TA-62E	Upgrade Outlet to a NEMA 6-20R or Equiv.
___	TA-62F	Junction Box (empty) Below Table Top. Includes 1 Gang Size, Stainless Steel Face Plate
___	TA-112	Hubble Outlet
___	TA-622	CAT-5 Data Port Outlet. Cable Not Included



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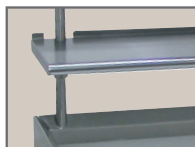
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TABLE MODIFICATIONS & ACCESSORIES

OVERSHELF & POT RACK MODIFICATIONS



TA-9A
1" Turn Up



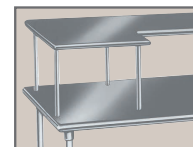
TA-22A
Square Edge



TA-71
Heat Lamp Mounting Provision



TA-100A
Bull Nose



TA-102
24" x 24" Extension

QTY.

_____	TA-9A	Partial 1" Turn-Up for all Table Mt. Shelves
_____	TA-22A	Square Edge on Overshelf
_____	TA-26-10	Welded Wall Shelf Brackets for 10" Wide Shelf
_____	TA-26-12	Welded Wall Shelf Brackets for 12" Wide Shelf
_____	TA-26-15	Welded Wall Shelf Brackets for 15" Wide Shelf
_____	TA-26-18	Welded Wall Shelf Brackets for 18" Wide Shelf
_____	TA-47	Shelf Mounting Bracket for Existing Table
_____	TA-49	Wall Shelf 2" Offset
_____	TA-60	Special Sizing Charge for Shelves (Must Order Larger Unit to be Cut Down to Smaller Size)
_____	TA-71	Heat Lamp Mounting Provision
_____	TA-71A	Heat Lamp Remote Control Bracket
_____	TA-78	Additional Lin. Ft. Past 12' For Table Mt. Shelf (For ODS, OTS, TS, DS & WS Shelving only)
_____	TA-77	Check Minder Shelf Provision (Factory install only)
_____	TA-83	Spice Bins

QTY.

_____	TA-84A	Knife Rack for Rolled Rim Tables
_____	TA-84B	Knife Rack for Poly Top Tables
_____	TA-84C	Knife Rack for Square Edge Tables
_____	TA-86	Stainless Steel Pot Hooks
_____	TA-89	Double Sided Plated Pot Hooks (Package of 4)
_____	TA-89A	Single Sided Plated Pot Hooks (Package of 4)
_____	TA-98	Stainless Steel Flat Bar in lieu of Chain
_____	TA-99	16 Ga. S/S 304 Upgrade for Wall & Over Shelves
_____	TA-100A	Bull Nose All Sides of Shelf
_____	TA-100R	Bull Nose Three Sides of Shelf w/ Rear Turn Up
_____	TA-102	24" x 24" Extension for Microwave or Computer Shelf (Add to OTS and ODS Shelves. See page 65)
_____	TA-103	24" Wide PT Shelf (36" Min Length. Mid mount only. PT Series Shelf, See Pg. 73. Add to 18" Wide Shelf)
_____	TA-104	Additional Length Over 12' (Add to 18" Shelf. (PA & CU Shelving Only. Max. Length is 14' as Single Piece)

UNDERSHELF MODIFICATIONS

QTY.

_____	TA-9	1-1/2" Turn-Up for Undershelves
_____	TA-17	Upgrade Undershelf to a Marine Edge (Must add TA-23)
_____	TA-48	12"x12" Cut-Out in Back Panel or Undershelf for Plumbing

QTY.

_____	TA-94	Upgrade 16 Ga. 304 S/S Undershelf
_____	TA-94A	Upgrade 14 Ga. 304 S/S Undershelf
_____	TA-366	Reinforced Understructure For Undershelves

SIZE MODIFICATIONS

QTY.

_____	TA-33	Special Working Height
_____	TA-59	36" Wide Equipment Stand
_____	TA-6	Extra Length for Standard Tables Over 12' (Tables Over 14' Require Field Joint TA-57)
_____	TA-61	Special Sizing Charge (Larger Unit Cut Down to Smaller Size)
_____	TA-61A	Special Modification Charge

QTY.

_____	TA-65	Enclosed Base Units Over 12' (Open Base Table)
_____	TA-66	Enclosed Base Units Over 12' (Sliding Door Units)
_____	TA-67	Enclosed Base Units Over 12' (Hinged Door Units)
_____	TA-105	Modify Enclosed Base Table w/ Drawers to 24" Width
_____	TA-110	Modify Enclosed Base Table w/ Drawers to 36" Width



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TABLE MODIFICATIONS & ACCESSORIES

LEG MODIFICATIONS

QTY.

TA-16	1 Galvanized Leg with Plastic Bullet Foot (34 1/2" Total Length)
TA-16-4	4 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-16-6	6 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-19	Stainless Steel Flanged Bullet Foot For Work Table
TA-19L	S/S Bolt-on Leg w/ Flanged Foot For Enclosed Base Table
TA-20	1 Stainless Steel Leg with S/S Bullet Foot (34 1/2" Total Length)
TA-20-4	4 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)

QTY.

TA-20-6	6 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)
TA-20L	Replacement Bolt-on Leg For Enclosed Base Table
TA-21	Stainless Steel Bullet Foot
TA-68	Relocate Rear Cross Rail To Center (for Open Base Tables Only)
TA-72	Leg to Wall Brace (Set per table)
TA-95	Upgrade 16 Ga. 304 S/S Legs Only

WORK TABLE CASTERS



Standard Casters

Maintains the Standard 35-1/2" Working Height

200 lbs. Load Capacity Per Caster

When Used w/ Stainless Steel Legs

TA-25S-4 Set of 4 (Two with Brakes)

TA-25S-6 Set of 6 (Two with Brakes)

When Used w/ Galvanized Legs

TA-25G-4 Set of 4 (Two with Brakes)

TA-25G-6 Set of 6 (Two with Brakes)

Replacement Casters

For Work Tables

TA-25 Set of 4
(Two with Brakes)

TA-25A Set of 6
(Two with Brakes)

200 lbs. Load Capacity Per Caster



Optional Standard Caster Upgrades:

TA-25B Set	For brakes on all wheels (Standard Casters) - Add price to the following models: TA-25, TA-25A, TA-25S-4, TA-25S-6, TA-25G-4, TA-25G-6
TA-25C Per Caster	Upgrade Standard Caster with Heavy Duty Urethane Wheels (Per Caster)

EQUIPMENT STAND CASTERS



Standard Casters

5" Urethane Wheels.

Maintains the Standard 24" Working Height

200 lbs. Load Capacity Per Caster

w/ Stainless Steel Legs

TA-25ES Set of 4 (Two with Brakes)

w/ Galvanized Legs

TA-25EG Set of 4 (Two with Brakes)

HEAVY DUTY Casters

5" Urethane Wheels

400 lbs. Load Capacity Per Caster



TA-255 Super Heavy Duty
Set of 4 (Two with Brakes)

TA-256 Super Heavy Duty
Set of 6 (Two with Brakes)

Optional Equipment Stand Caster Upgrade:

TA-255B For brakes on all wheels (Equipment Casters) - Add price to any of the following models:
TA-255, TA-256, TA-25ES, TA-25EG

Enclosed Base Table Casters

Easy Bolt-On Style



TA-255P Set of 4 (Two with Brakes)

TA-255AP Set of 6 (Two with Brakes)

300 lbs. Load Capacity Per Caster

For brakes on all wheels (Enclosed Base Casters) -
Add price to models: TA-255P or TA-255AP

TA-255PB

Contact Our SMART FABRICATION™ Department for more information at 800-645-3166
or email in your specifications to smartfab@advancetabco.com



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

REF-K 200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

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Page: 67



TABLE MODIFICATIONS & ACCESSORIES

TOP MODIFICATIONS



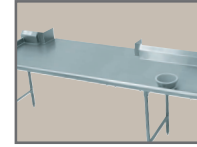
TA-56
5" NSF Partition



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Drop-In Urn Trough



CDR-5
Condiment Holder



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Pass-Thru



TA-108
Grommet For Cords

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QTY.

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Solid Tray Slide



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ADJ. Height Tables



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Adj. Mid-Shelf

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ELECTRICAL & DATA PORT OUTLETS



TA-62
Duplex Outlet



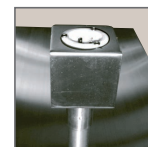
TA-62A
GFI Duplex Outlet



TA-62D
GFI Doghouse Outlet



TA-62F
Empty Junction Box



TA-112
Hubble Outlet

QTY.

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For Orders & Customer Service:

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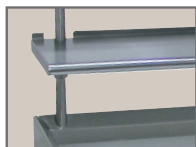
For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933



TABLE MODIFICATIONS & ACCESSORIES

OVERSHELF & POT RACK MODIFICATIONS



TA-9A
1" Turn Up



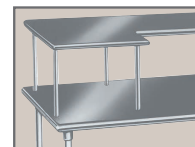
TA-22A
Square Edge



TA-71
Heat Lamp Mounting Provision



TA-100A
Bull Nose



TA-102
24" x 24" Extension

QTY.

_____	TA-9A	Partial 1" Turn-Up for all Table Mt. Shelves
_____	TA-22A	Square Edge on Overshelf
_____	TA-26-10	Welded Wall Shelf Brackets for 10" Wide Shelf
_____	TA-26-12	Welded Wall Shelf Brackets for 12" Wide Shelf
_____	TA-26-15	Welded Wall Shelf Brackets for 15" Wide Shelf
_____	TA-26-18	Welded Wall Shelf Brackets for 18" Wide Shelf
_____	TA-47	Shelf Mounting Bracket for Existing Table
_____	TA-49	Wall Shelf 2" Offset
_____	TA-60	Special Sizing Charge for Shelves (Must Order Larger Unit to be Cut Down to Smaller Size)
_____	TA-71	Heat Lamp Mounting Provision
_____	TA-71A	Heat Lamp Remote Control Bracket
_____	TA-78	Additional Lin. Ft. Past 12' For Table Mt. Shelf (For ODS, OTS, TS, DS & WS Shelving only)
_____	TA-77	Check Minder Shelf Provision (Factory install only)
_____	TA-83	Spice Bins

QTY.

_____	TA-84A	Knife Rack for Rolled Rim Tables
_____	TA-84B	Knife Rack for Poly Top Tables
_____	TA-84C	Knife Rack for Square Edge Tables
_____	TA-86	Stainless Steel Pot Hooks
_____	TA-89	Double Sided Plated Pot Hooks (Package of 4)
_____	TA-89A	Single Sided Plated Pot Hooks (Package of 4)
_____	TA-98	Stainless Steel Flat Bar in lieu of Chain
_____	TA-99	16 Ga. S/S 304 Upgrade for Wall & Over Shelves
_____	TA-100A	Bull Nose All Sides of Shelf
_____	TA-100R	Bull Nose Three Sides of Shelf w/ Rear Turn Up
_____	TA-102	24" x 24" Extension for Microwave or Computer Shelf (Add to OTS and ODS Shelves. See page 65)
_____	TA-103	24" Wide PT Shelf (36" Min Length. Mid mount only. PT Series Shelf, See Pg. 73. Add to 18" Wide Shelf)
_____	TA-104	Additional Length Over 12' (Add to 18" Shelf. (PA & CU Shelving Only. Max. Length is 14' as Single Piece)

UNDERSHELF MODIFICATIONS

QTY.

_____	TA-9	1-1/2" Turn-Up for Undershelves
_____	TA-17	Upgrade Undershelf to a Marine Edge (Must add TA-23)
_____	TA-48	12"x12" Cut-Out in Back Panel or Undershelf for Plumbing

QTY.

_____	TA-94	Upgrade 16 Ga. 304 S/S Undershelf
_____	TA-94A	Upgrade 14 Ga. 304 S/S Undershelf
_____	TA-366	Reinforced Understructure For Undershelves

SIZE MODIFICATIONS

QTY.

_____	TA-33	Special Working Height
_____	TA-59	36" Wide Equipment Stand
_____	TA-6	Extra Length for Standard Tables Over 12' (Tables Over 14' Require Field Joint TA-57)
_____	TA-61	Special Sizing Charge (Larger Unit Cut Down to Smaller Size)
_____	TA-61A	Special Modification Charge

QTY.

_____	TA-65	Enclosed Base Units Over 12' (Open Base Table)
_____	TA-66	Enclosed Base Units Over 12' (Sliding Door Units)
_____	TA-67	Enclosed Base Units Over 12' (Hinged Door Units)
_____	TA-105	Modify Enclosed Base Table w/ Drawers to 24" Width
_____	TA-110	Modify Enclosed Base Table w/ Drawers to 36" Width



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933



TABLE MODIFICATIONS & ACCESSORIES

LEG MODIFICATIONS

QTY.

TA-16	1 Galvanized Leg with Plastic Bullet Foot (34 1/2" Total Length)
TA-16-4	4 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-16-6	6 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-19	Stainless Steel Flanged Bullet Foot For Work Table
TA-19L	S/S Bolt-on Leg w/ Flanged Foot For Enclosed Base Table
TA-20	1 Stainless Steel Leg with S/S Bullet Foot (34 1/2" Total Length)
TA-20-4	4 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)

QTY.

TA-20-6	6 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)
TA-20L	Replacement Bolt-on Leg For Enclosed Base Table
TA-21	Stainless Steel Bullet Foot
TA-68	Relocate Rear Cross Rail To Center (for Open Base Tables Only)
TA-72	Leg to Wall Brace (Set per table)
TA-95	Upgrade 16 Ga. 304 S/S Legs Only

WORK TABLE CASTERS



Standard Casters

Maintains the Standard 35-1/2" Working Height

200 lbs. Load Capacity Per Caster

When Used w/ Stainless Steel Legs

TA-25S-4 Set of 4 (Two with Brakes)

TA-25S-6 Set of 6 (Two with Brakes)

When Used w/ Galvanized Legs

TA-25G-4 Set of 4 (Two with Brakes)

TA-25G-6 Set of 6 (Two with Brakes)

Replacement Casters

For Work Tables

TA-25 Set of 4
(Two with Brakes)

TA-25A Set of 6
(Two with Brakes)

200 lbs. Load Capacity Per Caster



Optional Standard Caster Upgrades:

TA-25B Set

For brakes on all wheels (Standard Casters) - Add price to the following models:
TA-25, TA-25A, TA-25S-4, TA-25S-6, TA-25G-4, TA-25G-6

TA-25C Per Caster

Upgrade Standard Caster with Heavy Duty Urethane Wheels (Per Caster)

EQUIPMENT STAND CASTERS



Standard Casters

5" Urethane Wheels.

Maintains the Standard 24" Working Height

200 lbs. Load Capacity Per Caster

w/ Stainless Steel Legs

TA-25ES Set of 4 (Two with Brakes)

w/ Galvanized Legs

TA-25EG Set of 4 (Two with Brakes)

HEAVY DUTY Casters

5" Urethane Wheels

400 lbs. Load Capacity Per Caster

TA-255 Super Heavy Duty
Set of 4 (Two with Brakes)

TA-256 Super Heavy Duty
Set of 6 (Two with Brakes)



Enclosed Base Table Casters

Easy Bolt-On Style



TA-255P Set of 4 (Two with Brakes)

TA-255AP Set of 6 (Two with Brakes)

300 lbs. Load Capacity Per Caster

For brakes on all wheels (Enclosed Base Casters) -
Add price to models: TA-255P or TA-255AP

TA-255PB

Optional Equipment Stand Caster Upgrade:

TA-255B For brakes on all wheels (Equipment Casters) - Add price to any of the following models:
TA-255, TA-256, TA-25ES, TA-25EG

Contact Our SMART FABRICATION™ Department for more information at 800-645-3166
or email in your specifications to smartfab@advancetabco.com



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

REF-K 200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

© ADVANCE TABCO, AUGUST 2018

Page: 71

Submittal Sheet

ITEM# 13 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 14 - REFRIGERATED MERCHANDISER (1 EA REQ'D)

Beverage Air MMR27HC-1-B

MarketMax™ Refrigerated Merchandiser, reach-in, one-section, (1) double pane hinged glass door, 25.88 cu. ft. capacity, electronic control, digital display, (5) epoxy coated steel shelves, LED interior lighting, self closing door with automatic hold-open feature, anti-microbial door handles, bottom-mounted refrigeration, black exterior, R290 Hydrocarbon refrigerant, 1/4 HP, cULus, UL EPH Classified, UL-Sanitation, Made in USA

ACCESSORIES

Mfr	Qty	Model	Spec
Beverage Air	1		3 years parts & labor warranty (excludes maintenance items)
Beverage Air	1		Self-Contained refrigeration
Beverage Air	1		Additional 4 years compressor warranty (part only), standard
Beverage Air	1		115v/60/1-ph, 3.0 amps, cord with NEMA 5-15P
Beverage Air	1		NOTE: Sign Graphics are available when ordered with unit at no charge (excludes Got Milk Graphics)
Beverage Air	1	61C01-018D-01	Casters, 3" plate HB, MM & Slate Series models (set of 4)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/4		
2	115	60	1	Cord & Plug		5-15P	3				



BEVERAGE-AIR

Project: _____	AIA# _____
Item: _____	
Location: _____	SIS# _____
Approved: _____	

MARKETMAX REFRIGERATOR

MMR27HC Black Hinged Single Glass Door
Hydrocarbon Series

MODEL:
MMR27HC-1-B



3 Year Parts/Labor Warranty
Additional 4 Year Compressor Warranty

CABINET CONSTRUCTION

- Exterior finish is heavy-duty steel with a black baked on durable coating
- Heavy-duty interior construction includes white coated steel walls
- Modern one-piece grille
- Full electronic control
- Refrigerator have double pane lowE argon filled glass doors
- Self-closing door with 120° stay-open feature
- Snap-in gaskets, easy to remove for cleaning or replacement
- Field reversible door (hinge kit not included)
- LED lighting
- Brightly lighted sign panel
- Five (5) heavy-duty epoxy coated wire shelves
- Four (4) shelf clips included per shelf
- Anti-microbial door handle
- Self-contained bottom mount refrigeration system

OPTIONS & ACCESSORIES

- White or stainless steel exterior option
- Black or stainless steel interior option
- Wine models available
- Shelves black or white
- Shelf clips
- Flow track
- Gravity track
- Price tag molding
- Electronic lock models (swing doors only)
- 3" - 6" Casters or 6" seismic/flanged legs
- Door locks
- Custom signage & decals
- Remote option* (see note on back on page)

REFRIGERATION SYSTEM

- Uses environmentally friendly, energy efficient R290 refrigerant, and meets all regulatory requirements for CARB, SNAP, DOE & more
- Adaptive defrost
- Epoxy coated evaporator coil
- Maintains product temperatures between 36°F and 38°F

MMR27HC HINGED GLASS DOOR: MERCHANDISER SERIES



Please verify qualifying units by visiting:
www.energystar.gov/cfs



3779 Champion Blvd., Winston-Salem, NC 27105
1-888-845-9800 Fax: 1-336-245-6453
Beverage-Air.com Sales@bevair.com



BEVERAGE-AIR

MODEL	MMR27HC-1-B
EXTERNAL DIMENSIONAL DATA	
Width Overall	30"
Depth Overall with Handle	33 5/8"
Height Overall	78"
Number of Doors	1
Depth With Door Open 90°	60"
Door Opening (in)	26 1/2" x 52 5/8"
INTERNAL DIMENSIONAL DATA	
NET Capacity (cubic ft.)	25.88
Internal Width Overall (in)	27"
Internal Depth Overall (in)	26"
Internal Height Overall (in)	61 5/8"
Internal Height Useable (in)	53"
Number of Shelves	5
ELECTRICAL DATA	
Full Load Amperes 115/60/1	3.0
REFRIGERATION DATA	
Horsepower	1/4
Capacity (BTU/Hr)*	1480
SHIPPING DATA	
Gross Weight - Crated	382 lbs
Height - Crated	85"
Width - Crated	30"
Depth - Crated	36"

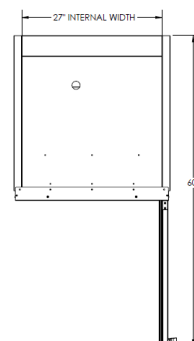
*NOTE: Remote units are field wired and come with 6" legs. Refrigerant must be specified at time of order.

MMR Refrigerator Single Glass Door

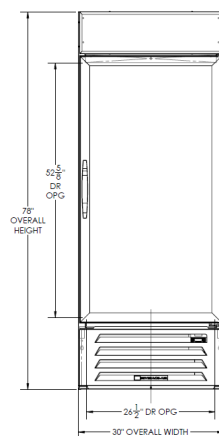
Model: MMR27HC-1-B

Model Views

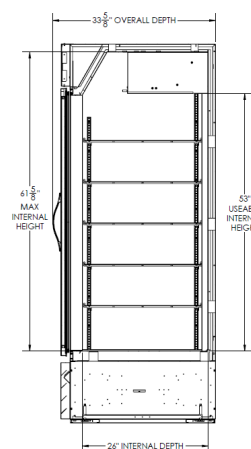
Required Clearance: Top 6", Rear 3", Sides 0"



Plan View



Elevation View



Side View

ELECTRICAL CONNECTION



115/60/1
NEMA-5-15P

Unit pre-wired at factory and include 8' long cord and plug set.



3779 Champion Blvd., Winston-Salem, NC 27105 1-888-845-9800 Fax: 1-336-245-6453 Beverage-Air.com Sales@bevair.com

an Ali Group Company

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL



Submittal Sheet

ITEM# 15 - SERVING COUNTER, UTILITY (1 EA REQ'D)

Duke TST-32SS

Thurmaduke™ Solid Top Unit, mobile utility counter, 32"W x 32"D x 36"H, 16ga stainless steel top, 20ga stainless steel body & undershelves, 5" dia. gray poly swivel casters & brakes, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Duke	1	ILD	Internal Locking Device, stainless steel pin & latch line up device under countertop, per unit price (on both ends)
Duke	1	CORD-10	10 ft. cord & plug, specify NEMA number
Duke	1	E-OP2	Electric outlet, mounted in base, with galvanized junction box, duplex or single receptacle & stainless steel cover, wired to existing power source
Duke	1	MOD-32	For special width body...per unit



Your Solutions Partner

Specifications

F.O.B. Sedalia, Missouri 65301



TST-46

OPTIONS:

- ☐ 14 gauge tops
- ☐ Internal Locking device
- ☐ Pass-Thru construction
- ☐ Foodshields
- ☐ Workshelves
- ☐ Trayslides
- ☐ Special length not listed
- ☐ Recessed top (to accommodate griddles, fryers, etc.)
- ☐ 6" Stainless steel legs
- ☐ Veneered plastic laminate panels on body
- ☐ Powder coat paint colors
- ☐ Kickplates s/s or p/g

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

Thurmaduke Serving Systems Solid Top Units

- ☐ **TST-18** 18" length units
- ☐ **TST-32** 32" length units
- ☐ **TST-46** 46" length units
- ☐ **TST-60** 60" length units
- ☐ **TST-74** 74" length units
- ☐ **TST-88** 88" length units

TOP:

- 16 gauge, 300 Series stainless steel
- Sound-deadening

BODY:

- ☐ Choice of (12) powder coat paint colors
- ☐ Stainless steel body
- NSF approved 5" diameter polyurethane casters
- Operator's side open to bottom shelf
- 7" high stainless steel rail on operator's side
- End and side opposite operator fully enclosed
- Intermediate and bottom shelves to match body

Agency Listings:



DUKE MANUFACTURING CO.

2305 N. Broadway

St. Louis, MO 63102

800.735.3853 Toll Free

314.231.5074 Fax

www.dukemfg.com

Dzilth-Na-O-Dith-Hle

COMMUNITY SCHOOL

SS-1178 Thurmaduke - Solid Top

Specification subject to change



WARNING: Cancer and Reproductive Harm -
www.p65warnings.ca.gov

THURMADUKE SERVING SYSTEMS - SOLID TOP UNITS

Catalog No. TSS-SOLID

A.I.A. File No. 35-C-13

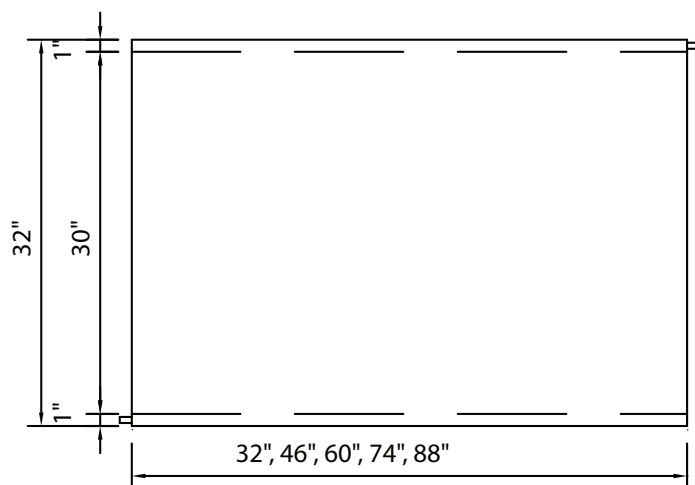
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Thurmaduke®

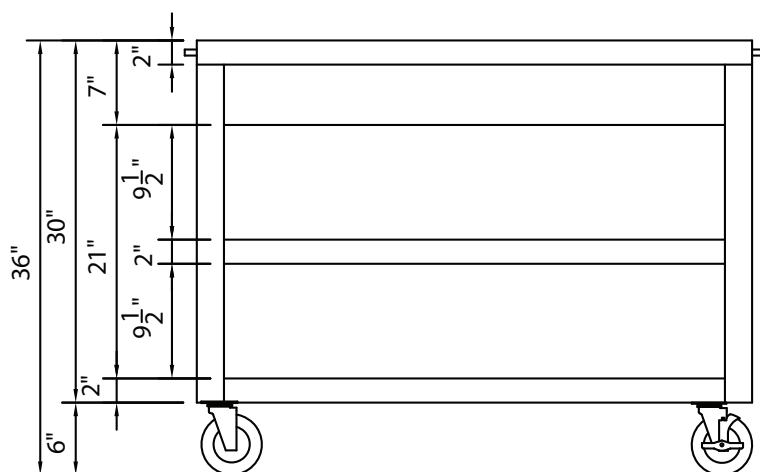
THURMADUKE SERVING SYSTEMS SOLID TOP UNITS

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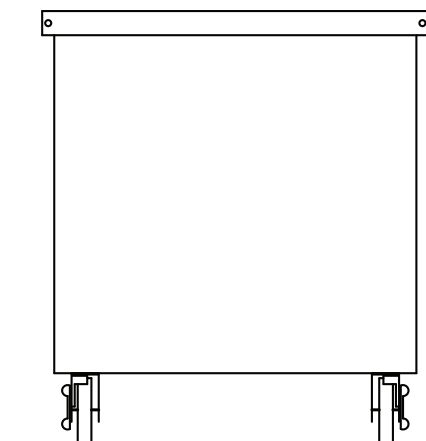
Catalog No. TSS-SOLID



TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

DIMENSIONS:

Freight Class: 150

Model	Length		Width		Height		Cube ft. crated	Weight	
	in	cm	in	cm	in	cm		lbs	kg
TST-18	18	45.7	32	81.3	36	91.4	22.0	200	90.9
TST-32	32	81.3	32	81.3	36	91.4	34.8	215	97.7
TST-46	46	116.8	32	81.3	36	91.4	47.7	314	142.7
TST-60	60	152.4	32	81.3	36	91.4	60.5	380	172.7
TST-74	74	188.0	32	81.3	36	91.4	73.3	446	202.7
TST-88	88	223.5	32	81.3	36	91.4	86.2	480	218.2



Duke Manufacturing Co.
2305 N. Broadway
St. Louis, MO 63102

Phone: 314-231-1130
Toll Free: 1-800-735-3853
Fax: 314-231-5074

www.dukemfg.com

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THURMADUKE SERVING SYSTEMS - SOLID TOP UNITS

Submittal Sheet

ITEM# 16 - SERVING COUNTER, COLD FOOD (1 EA REQ'D)

Duke TCM-60SS

Thurmaduke™ Cold Food Unit, mobile, 60"W x 32"D x 36"H, 16ga stainless steel top, 5" deep stainless steel mechanical assist ice pan, 54" x 20" pan, 1" drain line & valve, 20ga stainless steel body & undershelf, 5" dia. swivel casters & brakes, R448a, 120v/60/1-ph, 6.0 amps, NEMA 5-15P, cULus, UL EPH Classified

ACCESSORIES

Mfr	Qty	Model	Spec
Duke	1	ILD	Internal Locking Device, stainless steel pin & latch line up device under countertop, per unit price (on both ends)
Duke	1	TS422-60	Contemporary Food Shield, 59-1/2"W x 19-1/2"D x 20-1/8"H, adjustable from full-service to self-service guard, single shelf, vertical fixed end closures, 1" dia. vertical stainless steel tube posts, stainless steel finish on posts mounted through countertop with mounting flange, 3/8" glass over-shelf & guard with 1/4" glass ends (tempered and polished rounded edges)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug		5-15P	6.0				

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"	



Your Solutions Partner

Specifications

F.O.B. Sedalia, Missouri 65301



TCM-46

OPTIONS:

- ☐ 14 gauge tops
- ☐ Internal Locking device
- ☐ Condensate evaporator
- ☐ 8" deep pan liner
- ☐ Foodshields
- ☐ Workshelves
- ☐ Trayslides
- ☐ False Bottom
- ☐ Sliding/Hinged doors
- ☐ Tray Slides
- ☐ Stainless steel legs
- ☐ 8'-10' cord and plug
- ☐ Food pans/adaptor bars and panels - see Top Equipment Section in Price List.
- ☐ Veneered plastic laminate panels on body
- ☐ Powder coat paint colors
- ☐ Drain and condensing unit on operator's left
- ☐ Kickplates SS or PG

DUKE MANUFACTURING CO.

2305 N. Broadway

St. Louis, MO 63102

800.735.3853 Toll Free

314.231.5074 Fax

www.dukemfg.com

Dzilth-Na-O-Dith-Hle Community School
SS-1052 Thurmaduke Cold Mech Ice

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

Thurmaduke™ Serving Systems - Cold Pan Mechanically Assisted Ice - 5" Deep

- **TCM-32** 32" length unit
- **TCM-46** 46" length unit
- **TCM-60** 60" length unit
- **TCM-74** 74" length unit
- **TCM-88** 88" length unit

TOP:

- 16 gauge, 300 Series stainless steel
- Edges flanged down 2" at 90° - all four sides
- Inside edges flanged down 90° against liner

COLD PAN LINER:

- 300 Series stainless steel - 5" deep
- Insulated on all four sides and bottom
- 1" drain pipe and shut-off valve on operator's right

REFRIGERATION:

- Condensing unit below top on operator's right
- Stainless steel louvered grille for air circulation
- Copper coils attached to bottom of 5" liner
- 6' electric cord and plug - NEMA 5-15
- 120 volt - 1 Phase
- R448a refrigerant
- Necessary controls for operation

BODY:

- ☐ Stainless steel body
- ☐ Paint Grip
- ☐ Choice of available powder coat paint colors
- Operator's side open to bottom shelf
- Customer side and ends fully enclosed
- Bottom shelf paint grip or stainless steel to match body

AGENCY LISTINGS:



Specification subject to change



THURMADUKE SERVING SYSTEMS - COLD PAN - MECHANICALLY ASSISTED ICE

Catalog No. TSS-MECHCOLD

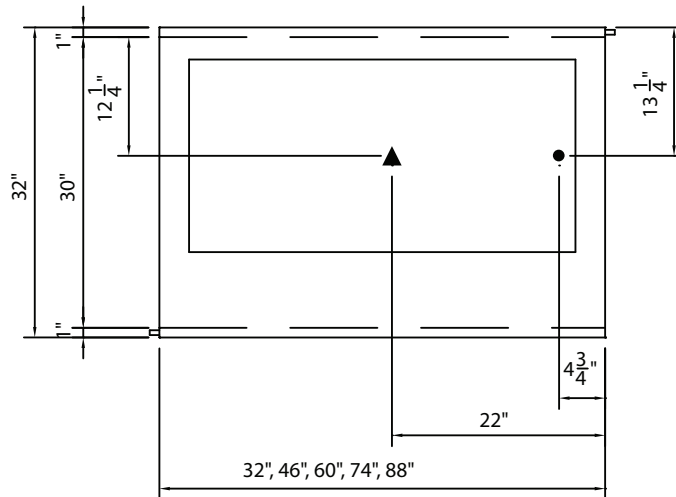
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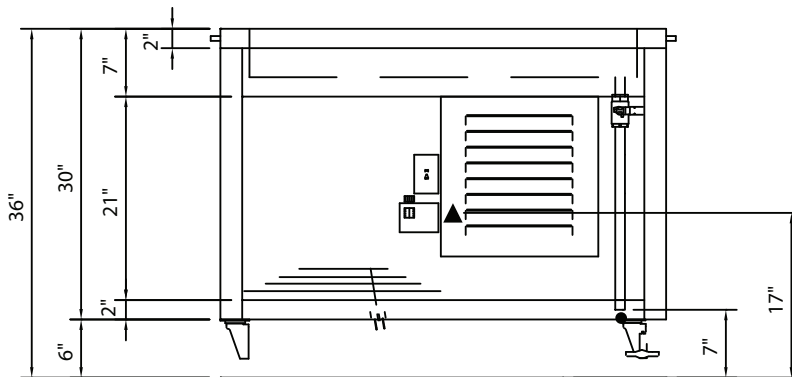


Serving Systems - Cold Pan

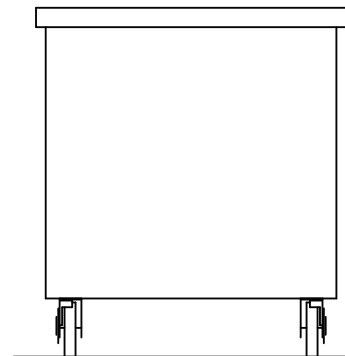
Mechanically Assisted Ice - 5" Deep



TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

LEGEND	
▲	ELECTRICAL CONNECTION
●	DRAIN LOCATION

ELECTRICAL SPECIFICATIONS:

Model	120 Volt/NEMA 5-15	
	Amps	HP
TCM-32	5.15	1/4
TCM-46	5.15	1/4
TCM-60	5.15	1/4
TCM-74	5.15	1/4
TCM-88	5.15	1/4

(Consult factory 3-phase electrical requirements and other options:)

DIMENSIONS: All Units: Height - 36" (91.4 cm), Width - 32" (81.3 cm)

FREIGHT CLASS: 150

Model	Body Length		Cold Pan Liner Dimensions						Cube ft. crated	Weight	
			Length		Width		Depth				
	in	cm	in	cm.	in	cm	in	cm			
TCM-32	32	81.3	26	66.0	19-7/8	50.6	5	12.7	34.8	255	115.9
TCM-46	46	116.8	40	101.6	19-7/8	50.6	5	12.7	47.7	354	160.9
TCM-60	60	152.4	54	137.2	19-7/8	50.6	5	12.7	60.5	425	193.2
TCM-74	74	188.0	68	172.7	19-7/8	50.6	5	12.7	73.3	518	235.5
TCM-88	88	223.5	82	208.3	19-7/8	50.6	5	12.7	86.2	580	263.4



Your Solutions Partner

Duke Manufacturing Co.

2305 N. Broadway
St. Louis, MO 63102

Phone: 314-231-1130

Toll Free: 1-800-735-3853

Fax: 314-231-5074

www.dukemfg.com

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

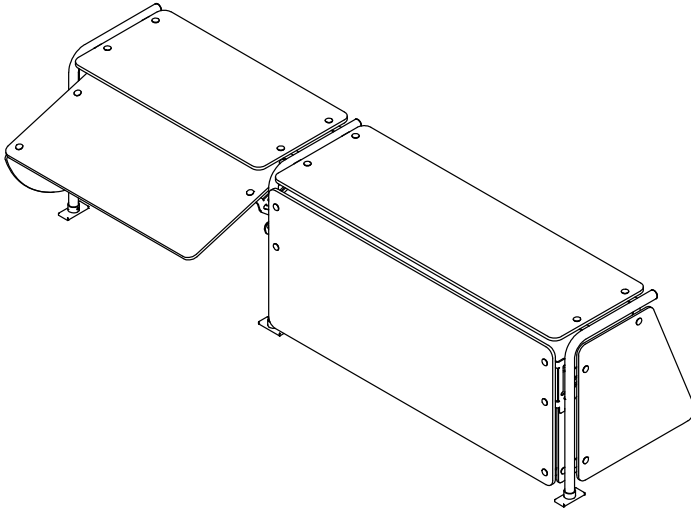
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Specifications

F.O.B. Sedalia, Missouri 65301



Model: **TS422-74**
Flush Mount

OPTIONS:

- ☐ Led lights
- ☐ Heater
 - ☐ 120 Volt
 - ☐ 208 Volt
 - ☐ 240 Volt
- ☐ Special Height
- ☐ Special Length - Max 60" CL/CL per Section

Certifications:



DUKE MANUFACTURING CO.
2305 N. Broadway
St. Louis, MO 63102
800.735.3853 Toll Free
314.231.5074 Fax
www.dukemfg.com
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL
SS-1102 TS422 Series Food Guard

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

TS422 Food Guard Series

- ☐ TS422-32 2 well - 1 Section
- ☐ TS422-46 3 well - 1 Section
- ☐ TS422-60 4 well - 1 Section
- ☐ TS422-74 5 well - 2 Sections
- ☐ TS422-88 6 well - 2 Sections

Frames:

- ☐ 1" Dia. Stainless Steel
- or
- ☐ Powder coated steel - Choice of 12 colors

Mounting Options:

- ☐ Flush Mount
- ☐ Through Mount

Guards:

- Adjustable from full service to self serve in one easy movement
- 1/4" Tempered Side Glass
- 3/8" Tempered Top and Front Glass
- Clear polished edges on all glass

Specification subject to change



Rev B 01/23/2020

FOOD GUARD TS422 SERIES - TS422

Catalog No. FS CONTEMPORARY

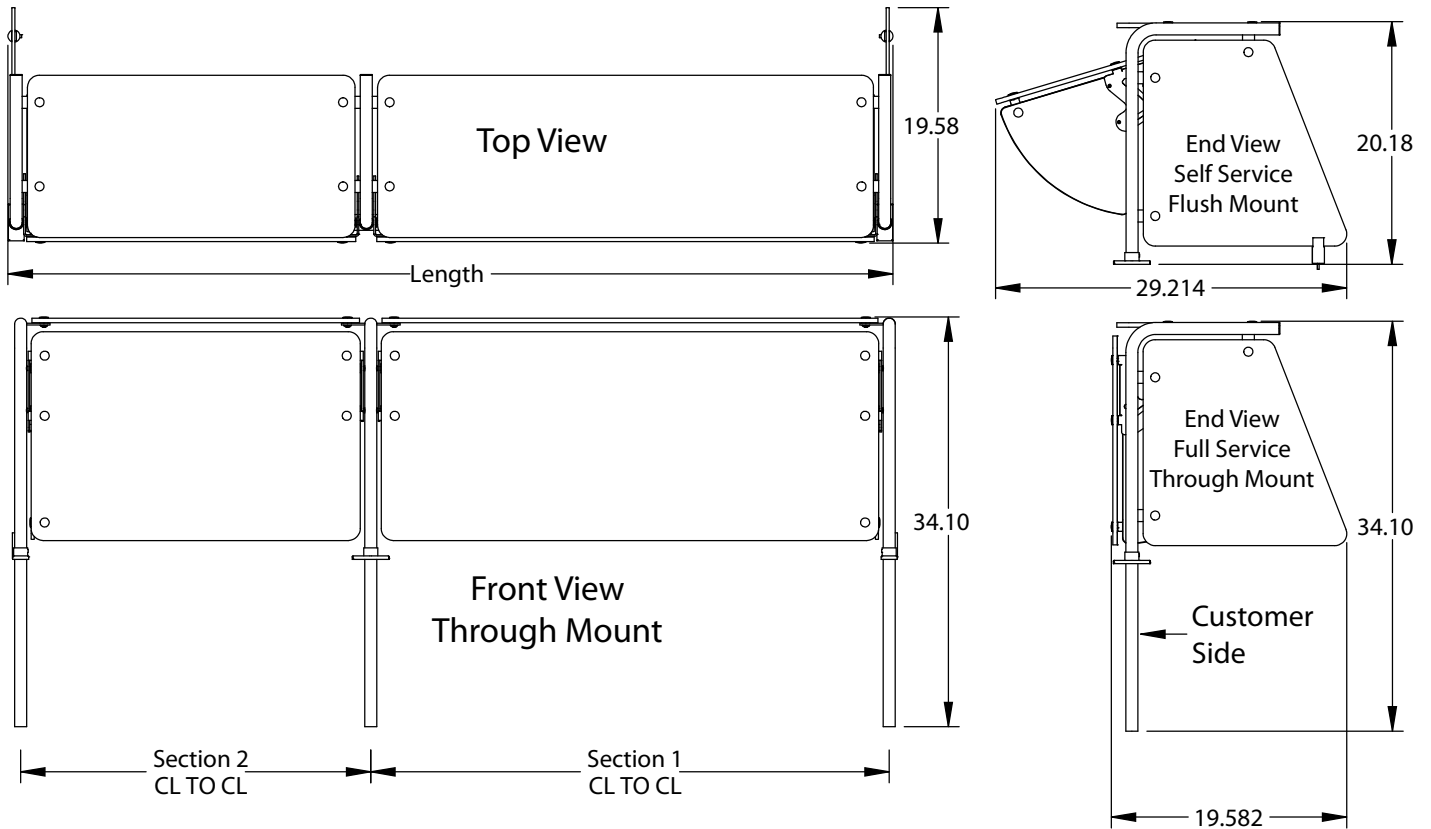
A.I.A. File No. 35-C-13

FOOD GUARD TS422 SERIES

A.I.A. File No. 35-C-13

Catalog No. FS CONTEMPORARY

FOOD GUARD TS422 SERIES - TS422



TS422-74 Shown Above

DIMENSIONS:

Freight Class: 100

Overall Height: 20.18 in./51.26 cm				Depth Overall: 19.58 in./ 49.73 cm				CL/CL: 15.5 in./ 39.37 cm	
Model	Length		Section 1 Length		Section 2 - Length		Cube ft. crated	Crated Ship Weight	
	Overall		CL/CL		CL/CL				
	in.	cm	in.	cm	in.	cm		lbs.	kg
TS422-32	31.50	80.01	30.25	76.84	N/A		18	40	17.2
TS422-46	45.50	115.57	44.25	112.40	N/A		21	48	20.9
TS422-60	59.50	151.13	58.25	147.96	N/A		31	68	29.9
TS422-74	73.50	186.69	43.125	109.54	29.125	73.98	45	98	43.5
TS422-88	87.50	222.25	43.125	109.54	43.125	109.54	54	118	52.6

Electrical Specifications:

Model	LED Only 120 Volt NEMA 5-15P		Heater Only 120 Volts		LED and Heater 120 Volts		Heater Only 208 Volts		LED and Heater 120/208 Volts		Heater Only 240 Volts		LED and Heater 120/240 Volts	
	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
TS422-32	4	.042	250	2.08	254	2.12	250	1.20	254	1.22	250	1.04	254	1.06
TS422-46	8	.067	450	3.75	458	3.82	450	2.16	458	2.20	450	1.88	458	1.91
TS422-60	14	.117	675	5.63	689	5.74	675	3.25	689	3.31	675	2.81	689	2.87
TS422-74	18	.150	1050	8.75	1068	8.9	1050	5.05	1068	5.13	1050	4.38	1068	4.45
TS422-88	23	.192	N/A	N/A	N/A	N/A	1275	6.13	1298	6.24	1275	5.31	1298	5.41



Duke Manufacturing Co.

2305 N. Broadway
Dzilh-Na-O-Dith-Hle, MO 63102
COMMUNITY SCHOOL

Phone: 314-231-1130
Toll Free: 1-800-735-3853
Fax: 314-231-5074

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Submittal Sheet

ITEM# 17 - HOT FOOD SERVING COUNTER / TABLE (1 EA REQ'D)

Duke TEHF-60SS

Thurmaduke™ Hot Food Unit, mobile, electric, 60"W x 32"D x 36"H, 16ga stainless steel top, (4) stainless steel heat wells, drains, copper manifolds, (1) valve, thermostats, dish shelf, 20ga stainless steel body & undershelf, 5" swivel casters & brakes, 6 ft cord with plug, cULus, UL EPH Classified (NOTE: Electric values & plug configurations change for 3 phase or when adding electric options - Contact Factory for more info)

ACCESSORIES

Mfr	Qty	Model	Spec
Duke	1	TEHF60-208-1	208v/60/1-ph, 3600 watts, 17.3 amps
Duke	1	ILD	Internal Locking Device, stainless steel pin & latch line up device under countertop, per unit price (on both ends)
Duke	1	TS422-60	Contemporary Food Shield, 59-1/2"W x 19-1/2"D x 20-1/8"H, adjustable from full-service to self-service guard, single shelf, vertical fixed end closures, 1" dia. vertical stainless steel tube posts, stainless steel finish on posts mounted through countertop with mounting flange, 3/8" glass over-shelf & guard with 1/4" glass ends (tempered and polished rounded edges)
Duke	1	TS400HT-4	Radiant Heater, under shelf & wired to base, 120v/60/1-ph (this may require cord & plug option)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1				Cord & Plug							
2	208	60	1				17.3	3.6			
3	120	60	1								

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	3/4"	



Your Solutions Partner

Specifications

F.O.B. Sedalia, Missouri 65301



TEHF-46PG

(shown with optional foodshield)

OPTIONS:

- ☐ 14 gauge tops
- ☐ Internal locking devices
- ☐ Individual drain valves
- ☐ No drains
- ☐ Recessed top to hold - 18" x 26" sheet pans, 1" deep
- ☐ Three phase wiring
- ☐ Electric heat in base module
- ☐ Foodshields
- ☐ Workshelves
- ☐ Trayslides
- ☐ Food pans - See Top Equipment in Price Book
- ☐ Sliding/Hinged doors
- ☐ 8' or 10' cord and plug
- ☐ Veneered plastic laminate panels on body
- ☐ Powder coat paint colors
- ☐ 6" adjustable legs in lieu of casters
- ☐ Kickplates s/s or p/g

Agency Listings:



DUKE MANUFACTURING CO.

2305 N. Broadway

St. Louis, MO 63102

800.735.3853 Toll Free

314.231.5074 Fax

www.dukemfg.com

Dzilth-Na-O-Dith-Hle Community School
SS-1167 Thermaduke - Hot Food - Elec

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

Thurmaduke Serving Systems

Hot Food Units - Electric

- ☐ **TEHF-32** 32" length unit, 2 top openings
- ☐ **TEHF-46** 46" length unit, 3 top openings
- ☐ **TEHF-60** 60" length unit, 4 top openings
- ☐ **TEHF-74** 74" length unit, 5 top openings
- ☐ **TEHF-88** 88" length unit, 6 top openings

TOP:

- 16 gauge, 300 Series stainless steel
- Die-stamped openings - 11-7/8" x 19-7/8"

HEAT COMPARTMENTS:

- Die-stamped openings, raised beaded edges
- Seamless, fully coved, stainless wells, 6-1/2" deep
- Controls mounted below top on operator's side
- Heating element beneath each well
- 120, 208 or 240 volt (must choose one)
- Robertshaw thermostat, with indicator light
- Wired to master toggle switch w/indicator light
- 6' cord and plug
- Sealed wells with drains copper manifolded to valve

BODY:

- ☐ **Choice of (12) powder coat paint colors**
- ☐ **Stainless steel body**
 - Operator's side open to bottom shelf
 - Customer side and ends fully enclosed
 - Bottom shelf paint grip or stainless steel to match body
 - Recessed stainless steel dish shelf

Specification subject to change



WARNING: Cancer and Reproductive Harm -
www.p65warnings.ca.gov

THURMADUKE SERVING SYSTEMS - HOT FOOD - ELECTRIC

Catalog No. TSS-ELECHOT

A.I.A. File No. 35-C-13

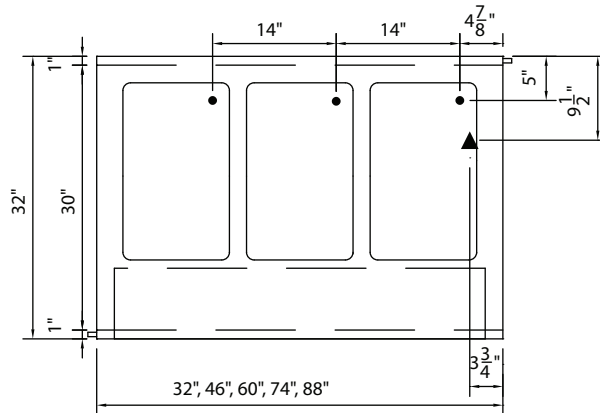
REV B 04/20/2020

Thurmaduke®

THURMADUKE SERVING SYSTEMS HOT FOOD UNITS - ELECTRIC

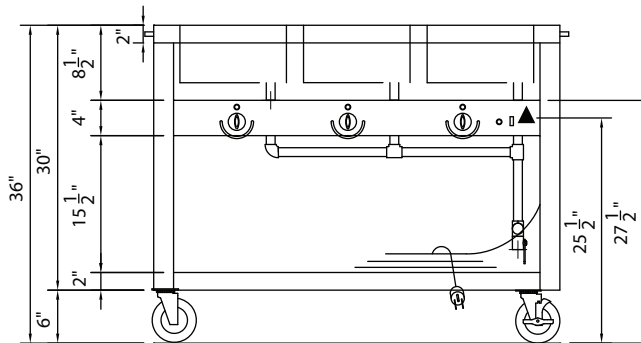
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Catalog No. TSS-ELECHOT

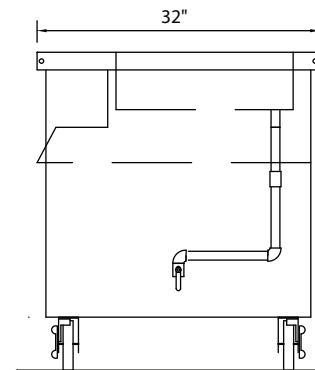


TOP VIEW

LEGEND	
▲	- ELECTRICAL CONNECTION
●	- DRAIN LOCATION - 3/4" brass, male thread, pop out screen, copper manifolds and brass master valve



FRONT VIEW



RIGHT SIDE VIEW

DIMENSIONS:

Freight Class: 150

Model	Length		Width		Height		Cube ft. crated	Weight		Top Openings
	in	cm	in	cm	in	cm		lbs	kg	
TEHF-32	32	81.3	32	81.3	36	91.4	34.8	253	115.0	2
TEHF-46	46	116.8	32	81.3	36	91.4	47.7	327	148.6	3
TEHF-60	60	152.4	32	81.3	36	91.4	60.5	400	181.8	4
TEHF-74	74	188.0	32	81.3	36	91.4	73.3	482	219.1	5
TEHF-88	88	223.5	32	81.3	36	91.4	86.2	595	270.5	6

ELECTRICAL SPECIFICATIONS:

Model	120 Volt - 750 watt elements			208 Volt - 900 watt elements			240 Volt - 1200 watt elements		
	watts	amps	NEMA	watts	amps	NEMA	watts	amps	NEMA
TEHF-32	1500	12.5	5-15	1800	8.7	6-20	2400	10.0	6-20
TEHF-46	2250	18.8	L5-30	2700	13.0	6-20	3600	15.0	6-20
TEHF-60	3000	25.0	5-50	3600	17.3	L6-30	4800	20.0	L6-30
TEHF-74	3750	31.3	5-50	4500	21.6	L6-30	6000	25.0	6-50
TEHF-88	4500	37.5	5-50	5400	26.0	6-50	7200	30.0	6-50

CONTACT FACTORY: Electric values & plug configurations change for 3 phase or when adding electric options.



Duke Manufacturing Co.
2305 N. Broadway
St. Louis, MO 63102

Phone: 314-231-1130
Toll Free: 1-800-735-3853
Fax: 314-231-5074

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COMMUNITY SCHOOL

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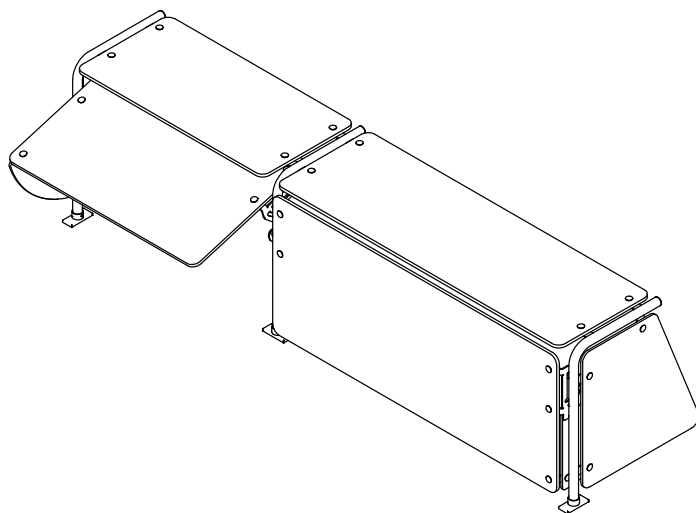
THURMADUKE SERVING SYSTEMS - HOT FOOD - ELECTRIC



Your Solutions Partner

Specifications

F.O.B. Sedalia, Missouri 65301



Model: **TS422-74**
Flush Mount

OPTIONS:

- ☐ Led lights
- ☐ Heater
 - ☐ 120 Volt
 - ☐ 208 Volt
 - ☐ 240 Volt
- ☐ Special Height
- ☐ Special Length - Max 60" CL/CL per Section

Certifications:



DUKE MANUFACTURING CO.
2305 N. Broadway
St. Louis, MO 63102
800.735.3853 Toll Free
314.231.5074 Fax
www.dukemfg.com
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL
SS-1102 TS422 Series Food Guard

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

TS422 Food Guard Series

- ☐ TS422-32 2 well - 1 Section
- ☐ TS422-46 3 well - 1 Section
- ☐ TS422-60 4 well - 1 Section
- ☐ TS422-74 5 well - 2 Sections
- ☐ TS422-88 6 well - 2 Sections

Frames:

- ☐ 1" Dia. Stainless Steel
- or
- ☐ Powder coated steel - Choice of 12 colors

Mounting Options:

- ☐ Flush Mount
- ☐ Through Mount

Guards:

- Adjustable from full service to self serve in one easy movement
- 1/4" Tempered Side Glass
- 3/8" Tempered Top and Front Glass
- Clear polished edges on all glass

Specification subject to change



Rev B 01/23/2020

FOOD GUARD TS422 SERIES - TS422

Catalog No. FS CONTEMPORY

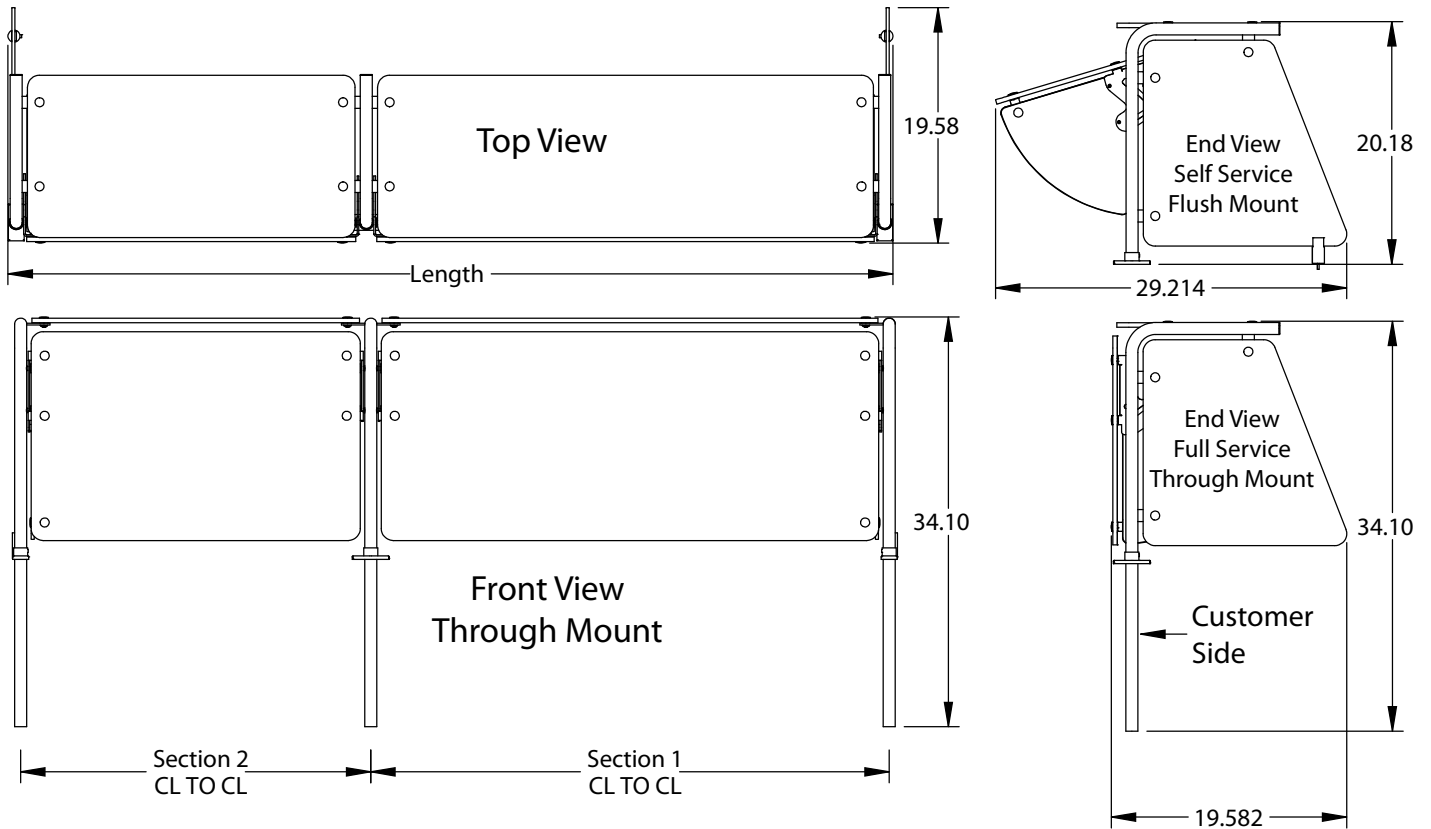
A.I.A. File No. 35-C-13

FOOD GUARD TS422 SERIES

A.I.A. File No. 35-C-13

Catalog No. FS CONTEMPORARY

FOOD GUARD TS422 SERIES - TS422



TS422-74 Shown Above

DIMENSIONS:

Freight Class: 100

Overall Height: 20.18 in./51.26 cm				Depth Overall: 19.58 in./ 49.73 cm			CL/CL: 15.5 in./ 39.37 cm		
Model	Length		Section 1 Length		Section 2 - Length		Cube ft. crated	Crated Ship Weight	
	Overall		CL/CL		CL/CL				
	in.	cm	in.	cm	in.	cm		lbs.	kg
TS422-32	31.50	80.01	30.25	76.84	N/A		18	40	17.2
TS422-46	45.50	115.57	44.25	112.40	N/A		21	48	20.9
TS422-60	59.50	151.13	58.25	147.96	N/A		31	68	29.9
TS422-74	73.50	186.69	43.125	109.54	29.125	73.98	45	98	43.5
TS422-88	87.50	222.25	43.125	109.54	43.125	109.54	54	118	52.6

Electrical Specifications:

Model	LED Only 120 Volt NEMA 5-15P		Heater Only 120 Volts		LED and Heater 120 Volts		Heater Only 208 Volts		LED and Heater 120/208 Volts		Heater Only 240 Volts		LED and Heater 120/240 Volts	
	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps
TS422-32	4	.042	250	2.08	254	2.12	250	1.20	254	1.22	250	1.04	254	1.06
TS422-46	8	.067	450	3.75	458	3.82	450	2.16	458	2.20	450	1.88	458	1.91
TS422-60	14	.117	675	5.63	689	5.74	675	3.25	689	3.31	675	2.81	689	2.87
TS422-74	18	.150	1050	8.75	1068	8.9	1050	5.05	1068	5.13	1050	4.38	1068	4.45
TS422-88	23	.192	N/A	N/A	N/A	N/A	1275	6.13	1298	6.24	1275	5.31	1298	5.41



Duke Manufacturing Co.

2305 N. Broadway
Dzilh-Na-O-Dith-Hle, MO 63102
COMMUNITY SCHOOL

Phone: 314-231-1130
Toll Free: 1-800-735-3853
Fax: 314-231-5074

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Submittal Sheet

ITEM# 18 - CASH REGISTER STAND (1 EA REQ'D)

Duke TCS-30SS

Thurmaduke™ Cashier Stand, mobile, 30"W, 32"D, 36"H, 16ga stainless top, 20ga stainless steel body & partial undershelf, stainless steel tube foot rest, 5" dia. gray poly swivel casters & brakes, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Duke	1	CS-DR-LK	Stainless steel drawer, with lock and keys, for cashier stand
Duke	1	ILD	Internal Locking Device, stainless steel pin & latch line up device under countertop, per unit price (on both ends)
Duke	1	CORD-10	10 ft. cord & plug, specify NEMA number
Duke	1	E-OP2	Electric outlet, mounted in base, with galvanized junction box, duplex or single receptacle & stainless steel cover, wired to existing power source
Duke	1	CUT-OP1-G	Round cutout with grommet, in counter top, body panel or a shelf (specify cutout diameter & location)
Duke	1	MOD-32	For special width body...per unit



Your Solutions Partner

Specifications

F.O.B. Sedalia, Missouri 65301



TCS-30SS Shown with optional drawer

Agency Listings:



DUKE MANUFACTURING CO.

2305 N. Broadway

St. Louis, MO 63102

800.735.3853 Toll Free

314.231.5074 Fax

www.dukemfg.com

SS-1177 Thurmaduke - Cashier Stand

Specification subject to change



WARNING: Cancer and Reproductive Harm -
www.p65warnings.ca.gov

Approval Stamp(s):

PRODUCT INFORMATION:

PROJECT: _____

ITEM: _____

QUANTITY: _____

MODEL:

Thurmaduke Serving Systems Cashier Stand

☐ **TCS-30**

TOP:

☐ 16 gauge, 300 Series stainless steel

☐ Sound-deadening

BODY:

☐ Choice of (12) powder coat paint colors

☐ Stainless steel body

☒ NSF listed, 5" diameter polyurethane casters

☒ Operator's side open to foot rest

☒ End panels die-formed into channels

☒ End and side opposite operator fully enclosed

☒ Stainless steel tubular foot rest

OPTIONS:

☐ 14 gauge tops

☐ Internal locking devices

☐ Tray Slides

☐ Electric outlets

☐ 6', 8' or 10' cord and plug

☐ 6" adjustable stainless steel legs

☐ Stainless steel drawer with /without lock & keys

☐ Veneered plastic laminate panels on body

☐ Powder coat paint colors

☐ Grommets top cutout

☐ Interior shelf

☐ Kickplates s/s or p/g

THURMADUKE SERVING SYSTEMS - CASHIER STAND

Catalog No. TSS-CASH

A.I.A. File No. 35-C-13

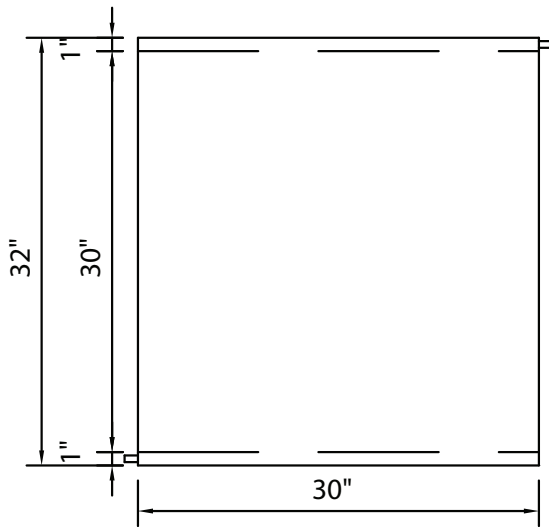
REV B 04/20/2020

Thurmaduke®

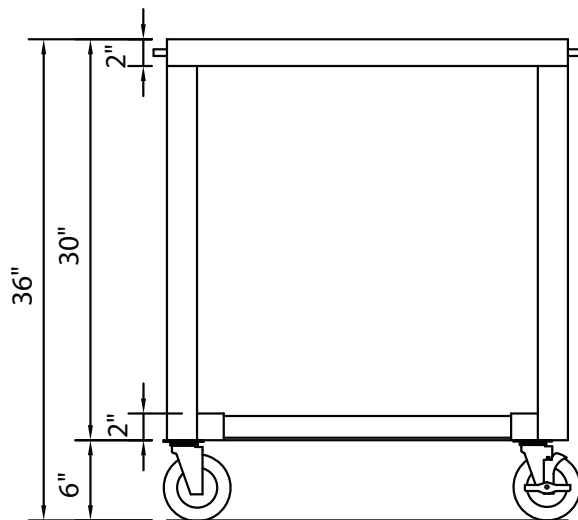
THURMADUKE SERVING SYSTEMS CASHIER STAND

A.I.A. File No. 35-C-13

Catalog No. TSS-CASH

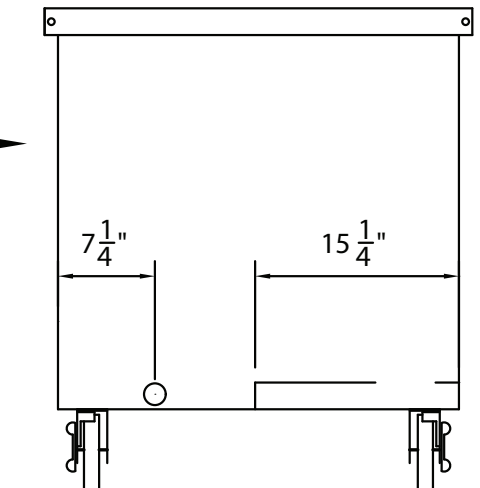


TOP VIEW



FRONT VIEW

OPEN →



RIGHT SIDE VIEW

DIMENSIONS:

POWER SUPPLY: N/A

Freight Class: 150

Model	Length		Width		Height		Optional Drawer Size						Cube ft. crated	Weight	
							Length		Width		Depth			lbs	kg
	in	cm	in	cm	in	cm	in	cm	in	cm	in	cm			
TCS-30	30	76.2	32	81.3	36	91.4	24-3/8	62.0	20	50.8	3-1/2	8.9	33.0	242	110.0

INSTALLATION DATA:

Must specify location of drawer



Duke Manufacturing Co.
2305 N. Broadway
St. Louis, MO 63102

Phone: 314-231-1130
Toll Free: 1-800-735-3853
Fax: 314-231-5074

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THURMADUKE SERVING SYSTEMS - CASHIER STAND

Submittal Sheet**ITEM# 19 - TRAY SLIDE (1 EA REQ'D)**

Custom

Stainless Steel Tray Slide, 14 Ga., Three Rib (min)

Submittal Sheet

ITEM# 20 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 21 - SPARE NO.

<Spare No.>

Submittal Sheet**ITEM# 22 - HAND SINK (1 EA REQ'D)**

Advance Tabco 7-PS-96

Hand Sink, pedestal mounted base, 14" wide x 10" front-to-back x 5" deep bowl, 7-3/4"H left & right side splashes, 20 gauge 304 stainless steel, splash mounted faucet, pedal valves with easy access design, basket drain, wall bracket, NSF, cCSAus

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	K-425	Thermostatic Mixing Valve, for knee pedal, foot pedal and electronic hand sinks and valves



7-PS-90



7-PS-99



7-PS-96



7-PS-95



7-PS-18

NOW AVAILABLE

Tankless Electric Heater
Only Needs Cold Water Supply

7-PS-92

Please See
Tankless Heater
Specification Sheet
for Details



STAINLESS STEEL

HAND SINKS PEDESTAL BASE



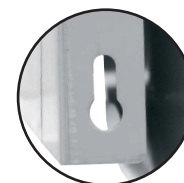
Conforms To NSF 61/9 Lead Free Requirements

Item #: _____ Qty #: _____

Model #: _____

Project #: _____

**Keyhole Bracket for
easier installation
and greater stability.**

**FEATURES:**

One piece **Deep Drawn** sink bowl design.

Sink bowl is 10" x 14" x 5"*.
(*7-PS-18 sink bowl is 14" x 16" x 6")

All sink bowls have a large liberal radii with a minimum dimension of 2" and are rectangular in design for increased capacity.

Keyhole wall mount bracket.

Stainless steel basket drain 1-1/2" IPS.

Flush-to-wall unit.

"Hands Free" splash mounted gooseneck faucet furnished with aerator.

Foot Pedal Valve for water operation.

Easy removable panel to access hidden plumbing.

Specific Features:

7-PS-95 towel dispenser with hinged towel box. Unit uses standard C-fold towels. Liquid Soap dispenser.

7-PS-96 includes two 7-3/4" high Side Splashes.

7-PS-99 towel dispenser & soap dispenser plus trash receptacle & cabinet storage.

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces and to a satin finish.

Die formed Countertop Edge with a No-Drip offset.

One sheet of stainless steel - No Seams.

MATERIAL:

Heavy gauge type 304 series stainless steel.

Wall mounting bracket is galvanized and of offset design.

All fittings are brass / chrome plated unless otherwise indicated.

MECHANICAL:

Single pedal mixing valve with 3/8" NPT Female. Built in check valve. Front operated temperature adjustment.

(Contractor on site must connect faucet to foot pedal operated valves.)

⚠ WARNING:

Equipment that includes a faucet may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more Info., visit www.p65warnings.ca.gov.



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

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For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

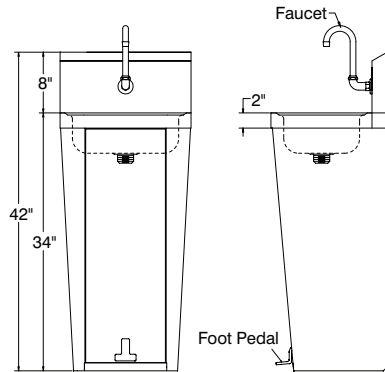
DIMENSIONS and SPECIFICATIONS

TOL Overall: $\pm .500"$ Interior: $\pm .250"$

FITTINGS SUPPLIED AS SHOWN

ALL DIMENSIONS ARE TYPICAL

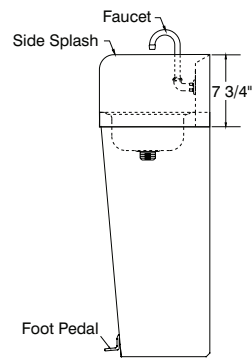
7-PS-90



Pedestal Base Front View
For 7-PS-90 & 7-PS-96

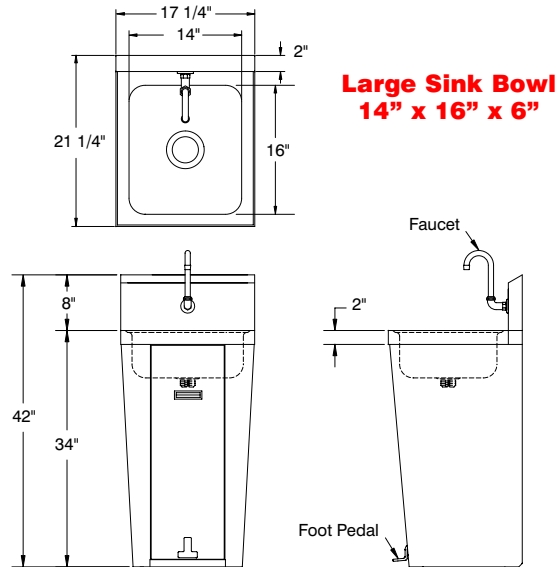
41 lbs.

7-PS-96



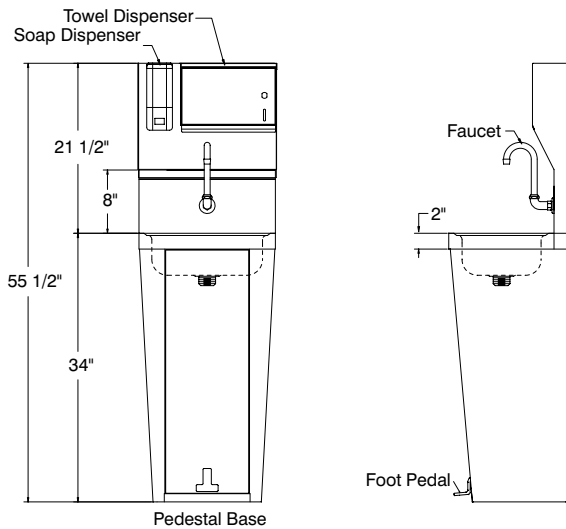
47 lbs.

7-PS-18



50 lbs.

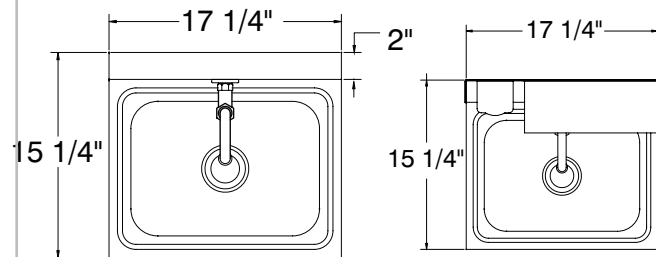
7-PS-95



54 lbs.

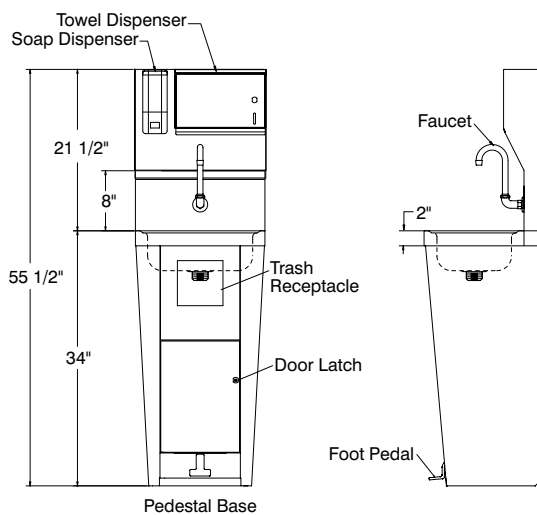
TOP VIEW 7-PS-90 & 7-PS-96

TOP VIEW 7-PS-95 & 7-PS-99



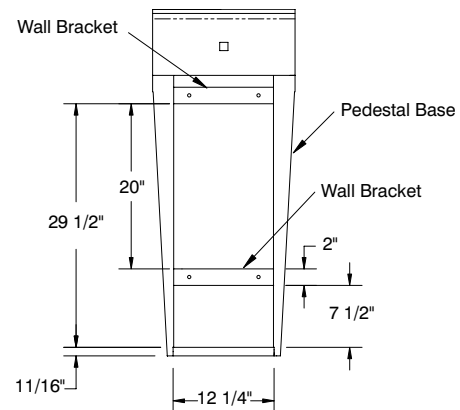
Sink Bowls 10" x 14" x 5"

7-PS-99



59 lbs.

REAR VIEW OF STANDARD PEDESTAL BASE UNITS



FAUCET PARTS & ACCESSORIES

Faucet Repair Kit

For K-22, K-59, K-123, K-125, K-126, K-206 & K-316 Faucets
Includes 2 Cartridges and Handles

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-00A (Set of 2)



K-02 Filler Faucet Repair Kit

For K-54 & K-54A Faucets

*Can Only Be Used On Faucets Purchased From 2016 - 2019. For Older Faucets, See Below.



Faucet Repair Kit

For K-1, K-11, K-50, K-51, K-52, K-53, K-56, K-124, K-101, K-160, K-208 & K-240 Faucets
Includes 2 Cartridges and Handles

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-00B (Set of 2)



K-02A Filler Faucet Repair Kit

For K-54 & K-54A Faucets

*Can Only Be Used On Faucets Purchased Before January 2016 or After 2019.



Service Faucet Vacuum Breaker Repair Kit

For K-240 Faucet

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-03

Pedal/Knee Valve Replacement Parts

Replacement Bonnet for Pedal/Knee Valve

For K-103, K-104, 7-PS-32 & 7-PS-39

K-01



Replacement Check Valves

For K-103, K-104, 7-PS-32 & 7-PS-39

K-19



Thermostatic Mixing Valve

For K-103, K-104, 7-PS-32 & 7-PS-39

K-425



Mixing Valve & Retainer

For K-103, K-104, 7-PS-32 & 7-PS-39

K-19A



Faucet Options & Accessories

Hands-Free Wand



K-400



Low Flow Aerator



K-08

.5 GPM

Wrist Handles (Pair)



K-316-LU

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

Wrist Handles (Pair)

For Heavy Duty 8" O.C. Faucets



K-416-LU

Splash Mount Faucet Mounting Kit

K-1, K-11, K-101, K-105, K-112, K-119 & K-211

K-06



Faucet Wall Mounting Bracket

8" O.C.

K-30



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 7:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

Submittal Sheet**ITEM# 23 - WORK TABLE, STAINLESS STEEL TOP (1 EA REQ'D)**

Advance Tabco KMS-304

Work Table, 48"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs & adjustable bullet feet, NSF



STAINLESS STEEL WORK TABLES

STANDARD Series - 5" Backsplash - Undershelf Style

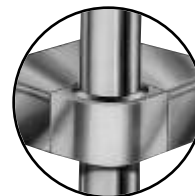
Item #: _____ Qty #: _____

Model #: _____

Project #: _____



NEW
Rolled Rim Edges on
Front & Splash on
Back and Square
Side Edges



Featuring as Standard:
"THE PROVEN"
ORIGINAL ADVANCE TABCO
Adjustable Undershelf
with Die Cast Leg Clamp

FEATURES:

Top is furnished with a 1 5/8" sanitary rolled rim edge on front, 1 5/8" square side edges, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undershelf is adjustable.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:

KMS-SERIES: Stainless Steel Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

KMG-SERIES: Galvanized Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMS-240	KMS-300	
24"	KMS-242	KMS-302	
36"	KMS-243	KMS-303	KMS-363
48"	KMS-244	KMS-304	KMS-364
60"	KMS-245	KMS-305	KMS-365
72"	KMS-246	KMS-306	KMS-366
84"	KMS-247	KMS-307	KMS-367
96"	KMS-248	KMS-308	KMS-368
108"	KMS-249	KMS-309	KMS-369
120"	KMS-2410	KMS-3010	KMS-3610
132"	KMS-2411	KMS-3011	KMS-3611
144"	KMS-2412	KMS-3012	KMS-3612



KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMG-240	KMG-300	
24"	KMG-242	KMG-302	
36"	KMG-243	KMG-303	KMG-363
48"	KMG-244	KMG-304	KMG-364
60"	KMG-245	KMG-305	KMG-365
72"	KMG-246	KMG-306	KMG-366
84"	KMG-247	KMG-307	KMG-367
96"	KMG-248	KMG-308	KMG-368
108"	KMG-249	KMG-309	KMG-369
120"	KMG-2410	KMG-3010	KMG-3610
132"	KMG-2411	KMG-3011	KMG-3611
144"	KMG-2412	KMG-3012	KMG-3612

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

Email Orders To: customer@advancetabco.com. For Smart Fabrication™ Quotes, Email To: smartfab@advancetabco.com or Fax To: 631-586-2933

NEW YORK
Fax: (631) 242-6900

GEORGIA
Fax: (770) 775-5625

TEXAS
Fax: (972) 932-4795

NEVADA
Fax: (775) 972-1578

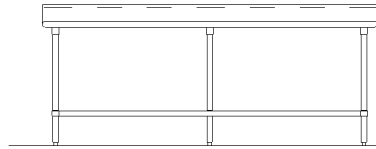
DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

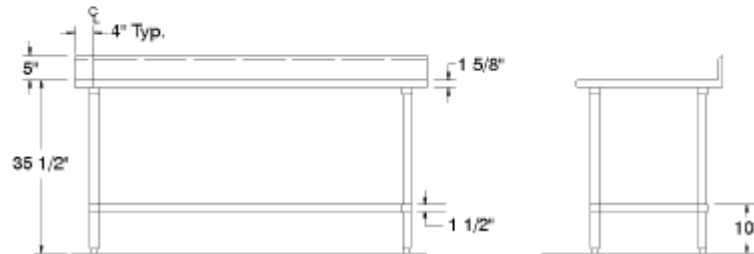
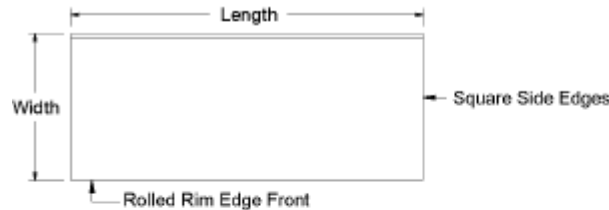
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

KMS & KMG Series Undershelf Style 5" Backsplash

Finished size of undershelf = Length minus 5 3/4"
Width minus 5 3/4"



Units 8ft. and larger are furnished with six (6) legs



KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMS-240	55 lbs.	KMS-300	70 lbs.		
24"	KMS-242	50 lbs.	KMS-302	56 lbs.		
36"	KMS-243	66 lbs.	KMS-303	77 lbs.	KMS-363	92 lbs.
48"	KMS-244	81 lbs.	KMS-304	92 lbs.	KMS-364	101 lbs.
60"	KMS-245	95 lbs.	KMS-305	111 lbs.	KMS-365	121 lbs.
72"	KMS-246	113 lbs.	KMS-306	129 lbs.	KMS-366	142 lbs.
84"	KMS-247	135 lbs.	KMS-307	153 lbs.	KMS-367	169 lbs.
96"	KMS-248	150 lbs.	KMS-308	171 lbs.	KMS-368	189 lbs.
108"	KMS-249	165 lbs.	KMS-309	195 lbs.	KMS-369	260 lbs.
120"	KMS-2410	268 lbs.	KMS-3010	294 lbs.	KMS-3610	315 lbs.
132"	KMS-2411	301 lbs.	KMS-3011	331 lbs.	KMS-3611	358 lbs.
144"	KMS-2412	316 lbs.	KMS-3012	346 lbs.	KMS-3612	373 lbs.

KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMG-240	55 lbs.	KMG-300	70 lbs.		
24"	KMG-242	50 lbs.	KMG-302	56 lbs.		
36"	KMG-243	66 lbs.	KMG-303	77 lbs.	KMG-363	92 lbs.
48"	KMG-244	81 lbs.	KMG-304	92 lbs.	KMG-364	101 lbs.
60"	KMG-245	95 lbs.	KMG-305	111 lbs.	KMG-365	121 lbs.
72"	KMG-246	113 lbs.	KMG-306	129 lbs.	KMG-366	142 lbs.
84"	KMG-247	135 lbs.	KMG-307	153 lbs.	KMG-367	169 lbs.
96"	KMG-248	150 lbs.	KMG-308	171 lbs.	KMG-368	189 lbs.
108"	KMG-249	165 lbs.	KMG-309	195 lbs.	KMG-369	260 lbs.
120"	KMG-2410	268 lbs.	KMG-3010	294 lbs.	KMG-3610	315 lbs.
132"	KMG-2411	301 lbs.	KMG-3011	331 lbs.	KMG-3611	358 lbs.
144"	KMG-2412	316 lbs.	KMG-3012	346 lbs.	KMG-3612	373 lbs.



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

J-3a

200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

© ADVANCE TABCO, SEPTEMBER 2005

Page: 101

Submittal Sheet

ITEM# 24 - CONVEYOR TOASTER (1 EA REQ'D)

Hatco TQ-1800H

Toast-Qwik® Conveyor Toaster, horizontal conveyor, countertop design, all bread types toaster, approximately 30 slices capacity/min, 3" opening height, electronic controls, colorguard sensing system, cULus, UL EPH Classified, Made in USA

ACCESSORIES

Mfr	Qty	Model	Spec
Hatco	1		NOTE: Includes 24/7 parts & service assistance, call 800-558-0607
Hatco	1		One year on-site parts & labor warranty, plus one additional year parts only warranty on all Toast-Qwik metal sheathed elements
Hatco	1		208v/60/1-ph, 4650 watts, 22.4 amps, NEMA 6-30P
Hatco	1	TQ-PWR-A	Automatic Power Save Mode (switches to power save mode after 30 minutes of inactivity) (Available at time of purchase only)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	208	60	1	Cord & Plug		6-30P	22.4	4.65			



Project _____
 Item # _____
 Quantity _____

Toast-Qwik® Electric Conveyor Toasters

Models: TQ-800, -800H, -805, -800BA, -800HBA, -1800, -1800H, -1800BA, -1800HBA

The Hatco Toast-Qwik® is an economical conveyor toaster with fast, dependable and versatile toasting, offering 800 to 1800 slices per hour. Hatco toasters utilize conveyor speed, not temperature to determine toasting color. This method allows for instant adjustment of toasting time to match the bread product being toasted.

Standard features

- Hatco's ColorGuard sensing system assures toast uniformity
- Optional power save mode with indicator light saves energy and money during slow periods
- Efficient design of front or rear discharge allows Toast-Qwik to be placed where it is most convenient – for sending product to operator side or customer/server
- BA models toast one side only and are for bagels and buns only, cut side up
- Opening height is 2" (51 mm) and for H models is 3" (76 mm)
- Insulation and an interior fan provide cool surface temperatures
- Toast storage area keeps bread warm and dry
- Permanently lubricated ball bearing motor and heating elements guaranteed against burnout and breakage for two years



Options (available at time of purchase only)

- ☐ Automatic Power Save Mode

Accessories

- ☐ Additional Extended Feed Guide (Add 3" [76 mm])
 (not available for the TQ-1800 series)
☐ Security Package (not available for the TQ-1800 series)

**For operation, location and safety information,
 please refer to the Installation & Operating Manual.**



ANSI/NSF 4

TQ-800 series only

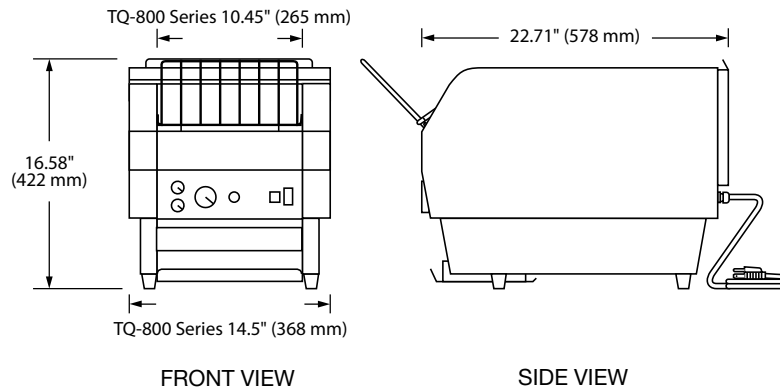


DZILTH-NA-O-DITH-HLE **HATCO CORPORATION** | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
 COMMUNITY SCHOOL (800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | support@hatcocorp.com



Toast-Qwik® Electric Conveyor Toasters

Models: TQ-800, -800H, -805, -800BA, -800HBA, -1800, -1800H, -1800BA, -1800HBA



SPECIFICATIONS Toast-Qwik® Conveyor Toasters

The shaded areas contain electrical information for International models

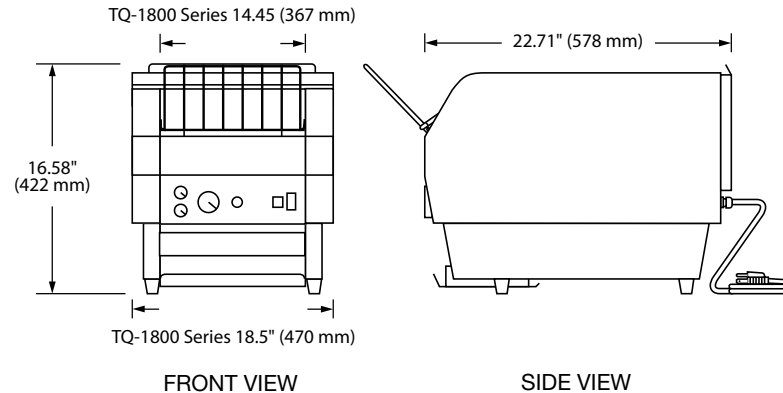
Model	Dimensions (Width x Depth x Height)	Volts (Singel Phase)	Hertz	Watts	Amps	Capacity per Minute	Plug	Ship Weight*
TQ-800 TQ-800H	14.5" x 22.71" x 16.58" (368 x 578 x 422 mm) Tray extends 6.5" (165 mm) in rear	208	60	3330	16.0	14 slices	NEMA 6-20P†	62 lbs. (28 kg)
		240			13.9	14 slices	NEMA 6-15P‡	
		200	50/60	3050	15.3	14 slices	AS 3112	
		220-230 (CE)		3019-3300	13.7-14.4		CCC or No Plug	
		230-240 (CE)		3300-3593	14.4-15.0			
TQ-805	230-240 (CE)	50/60	3300-3593	14.4-15.0	14 slices	No Plug	62 lbs. (28 kg)	
TQ-800BA TQ-800HBA	14.5" x 22.71" x 16.58" (368 x 578 x 422 mm) Tray extends 6.5" (165 mm) in rear	208	60	3280	15.8	14 slices	NEMA 6-20P†	62 lbs. (28 kg)
		240			13.7		NEMA 6-15P‡	
		200	50/60	3003	15.0	14 slices	AS 3112	
		220-230 (CE)		2791-3050	12.7-13.3		CCC or No Plug	
		230-240 (CE)		3050-3321	13.3-13.9			

* Shipping weight includes packaging. † Available with optional 6-30P cord. ‡ Canadian models use NEMA 6-20P.



Toast-Qwik® Electric Conveyor Toasters

Models: TQ-800, -800H, -805, -800BA, -800HBA, -1800, -1800H, -1800BA, -1800HBA



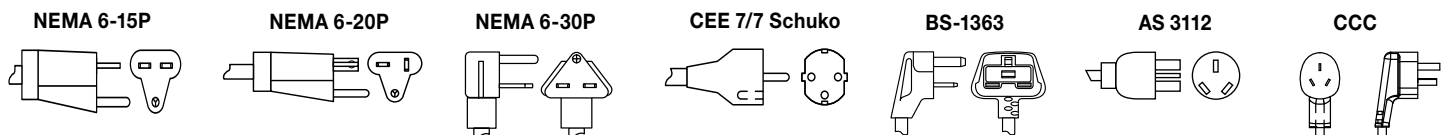
SPECIFICATIONS Toast-Qwik® Conveyor Toasters

The shaded areas contain electrical information for International models

Model	Dimensions (Width x Depth x Height)	Volts (Singel Phase)	Hertz	Watts	Amps	Capacity per Minute	Plug	Ship Weight*
TQ-1800	18.5" x 22.71" x 16.58" (470 x 577 x 421 mm) Tray extends 6.5" (165 mm) in rear	208	60	4440	21.4	30 slices	NEMA 6-30P	73 lbs. (33 kg)
		240	60	4440	18.5	30 slices	NEMA 6-30P	
		220	60	3731	17.0	30 slices	BS-1363 or No Plug	
		220-230 (CE)	50/60	3731-4078	17.0-17.7	30 slices	CCC or No Plug	
		230-240 (CE)		4078-4440	17.7-18.5			
TQ-1800H		208	60	4650	22.4	30 slices	NEMA 6-30P	73 lbs. (33 kg)
		240			19.4			
		200	60	4271	21.4	30 slices	BS-1363 or No Plug	
		220	60	3907	17.8	30 slices	BS-1363 or No Plug	
		220-230 (CE)	50/60	3907-4271	17.8-18.6	30 slices	CCC or No Plug	
		230-240 (CE)	50/60	4271-4650	18.6-19.4	30 slices	CCC or No Plug	
TQ-1800BA		208	60	4580	22.0	30 slices	NEMA 6-30P	73 lbs. (33 kg)
		240			19.1			
		220-230 (CE)	50/60	3849-4206	17.5-18.3	30 slices	CCC or No Plug	
		230-240 (CE)		4206-4580	18.3-19.1			
TQ-1800HBA	208	60	4580	22.0	30 slices	NEMA 6-30P	73 lbs. (33 kg)	
	240			19.1				
	220-230 (CE)	50/60	3849-4206	17.5-18.3	30 slices	CCC or No Plug		
	230-240 (CE)		4206-4580	18.3-19.1				

* Shipping weight includes packaging.

PLUG CONFIGURATIONS



PRODUCT SPECS Conveyor Toasters

The electric Toast-Qwik® Conveyor Toaster with ColorGuard sensing system shall be a Hatco model ... as manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The Toaster shall have the capacity to toast up to ... pieces per minute and it shall be rated at ... kW, ... volts, single phase. The toaster shall be of stainless steel design and

shall include a front mounted controlpanel with a toast selector knob, variable speed control knob, and an aluminum toast collector pan. The toaster will have multiple metal sheathed heating elements and an impedance protected motor. It shall be complete with factory attached UL listed 4' (1219 mm) cord and plug.

Warranty consists of 24/7 parts and service assistance (U.S. and Canada only).

DZILTH-NA-O-DITH-HLE **HATCO CORPORATION** | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
COMMUNITY SCHOOL (800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | support@hatcocorp.com

Submittal Sheet**ITEM# 25 - MICROWAVE OVEN, SHELF (1 EA REQ'D)**

Advance Tabco MS-24-24

Microwave Shelf, wall-mounted, 24"W x 24"D, stainless steel, NSF

**Wall Mounted**

Model #	Size W x L	Approx. Wt.	Approx. Cu. Ft.
MS-18-24	18" x 24"	27 lbs.	5
MS-20-30	20" x 30"	36 lbs.	5
MS-24-24	24" x 24"	32 lbs.	5
MS-24-36	24" x 36"	38 lbs.	7

CONSTRUCTION:

All TIG welded.

Exposed surfaces polished to a satin finish.

MATERIAL:

18 gauge stainless steel.

OPTIONAL TABLE MOUNTED UNITS:

Mounted on tubular supports and fastened to the top with expanding tubular connectors.

Please use OTS Series Shelving and add TA-102 for 24" x 24" extension for table mounted version.

STAINLESS STEEL

MICROWAVE SHELVES



Item #: _____ Qty #: _____
 Model #: _____
 Project #: _____

FOR TABLE MOUNTED MICROWAVE SHELF:

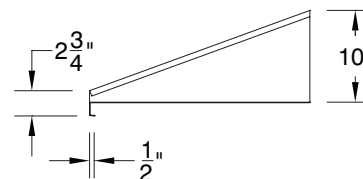
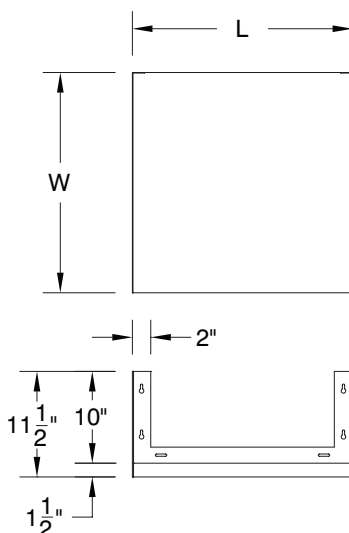
Model #	
MST-24-24	
MST-24-36	

MST Series**TA-102****TABLE MOUNTED SHELF WITH MICROWAVE EXTENSION**Use **OTS Shelving** and add **TA-102** for Microwave 24" x 24" extension. Specify Right or Left.**OPTIONAL:**2" Hole with Grommet
For Appliance Cord**TA-108**

DETAILS and SPECIFICATIONS

TOL ± .500"

ALL DIMENSIONS ARE TYPICAL

WALL MOUNTEDCustomer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.**For Orders & Customer Service:**Email: customer@advancetabco.com or Fax: 631-242-6900**For Smart Fabrication™ Quotes:**Email: smartfab@advancetabco.com or Fax: 631-586-2933

Submittal Sheet

ITEM# 26 - MICROWAVE OVEN (1 EA REQ'D)

NIC RCS10TS

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Amana® Commercial Microwave Oven, Model RCS10TS

1000 watts, 1.2 cu. ft. capacity, medium volume, 4-stage cooking, (5) power levels, (100) memory settings, braille touch pads, non-removable air filter, side hinged door with tempered glass, accommodates 14" plate, stainless steel interior & exterior, 120v/60/1-ph, 13.0 amps, 15 MCA, 1550 watts (total), NEMA 5-15P, cETLus, ETL-Sanitation

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug		5-15P	13	1.55		15	

ELECTRICAL 1 REMARKS

5 ft. cord

Amana®

Commercial

Project #: _____

Item #: _____



Model RCS10TS shown

Medium Volume

This category of microwave is ideal for...

Applications:

- Pizza restaurants
- Casual dining
- Clubs
- Deli

Defrost:

- Defrosts most frozen food products

All ACP, Inc. commercial ovens are backed by our Culinary Center. Call us with any question regarding food preparation, menu development and cooking times. 866-426-2621.



Medium Volume

Amana Commercial Microwave Model RCS10TS

Power Output

- 1000 watts of power.
- Five power levels for consistent, delicious results for frozen, refrigerated and fresh foods - from the freezer to table in minutes.

Easy to Use

- Up to 100 programmable menu items simplifies cooking and ensures consistent results.
- Four stage cooking option for easy one-touch cooking.
- Multiple quantity pad calculates the proper cooking times for multiple portions.
- User friendly touch controls are easy to use.
- Time entry option for added flexibility.
- Digital display with countdown timer for simple operation and "at-a-glance" monitoring.
- Braille touch pads are ADA compliant.
- See-through door and lighted interior for monitoring without opening the door.
- 1.2 cubic ft. (34 liter) capacity accommodates a 14" (356 mm) platter, prepackaged foods and single servings.
- Stackable to save valuable counter space.

Easy to Maintain

- Stainless steel exterior and interior for easy cleaning and a professional look.
- Non-removable air filter protects oven components.
- Constructed to withstand the foodservice environment.
- Backed by the ACP, Inc. 24/7 ComServ Support Center, 866-426-2621.
- ETL Listed.



Part No. 20154732
Updated 6/17/2016

Original Manufacturer
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

225 49th Ave. Dr. SW Cedar Rapids, IA 52404 U.S.A.
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800-233-2366

319-368-8120

Fax: 319-368-8198

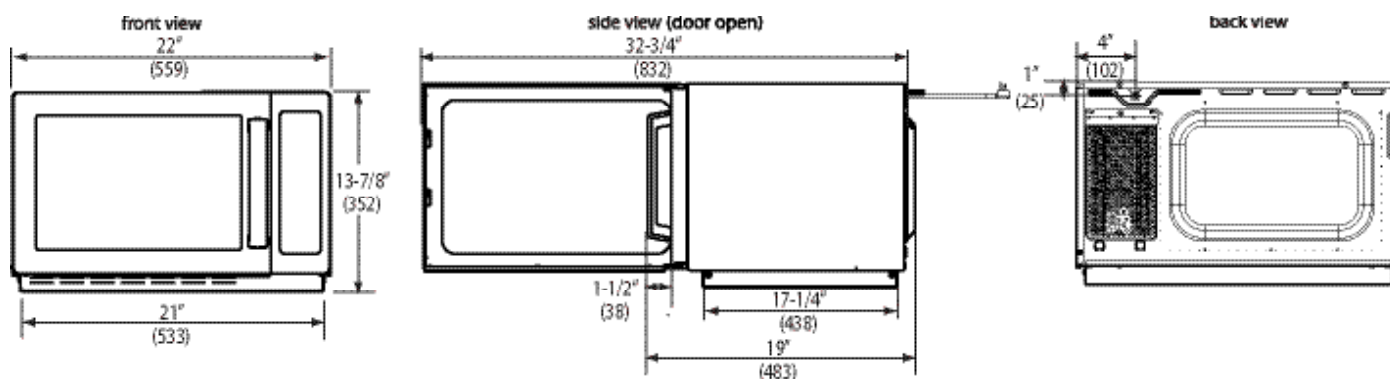
© 2016 ACP, Inc.
Cedar Rapids, Iowa 52404

www.acpsolutions.com

AIA File #:


Specification #:

Amana Commercial Microwave Model RCS10TS | Medium Volume



Installation Clearances - Top: 2" (51), Sides: 1" (25), Back: None

Drawings available from KCL CADlog - techs@kclcad.com

Specifications			
Model	RCS10TS	UPC Code 728028020724	
Configuration	Countertop		
Control System	Touch		
Programmable Control	10		
Settings Programmable	100		
Braille			
Max. Cooking Time	60:00		
Power Levels	5		
Defrost	Yes		
Time Entry Option	Yes		
Microwave Distribution	Rotating antenna, top		
Magnetron(s)	1		
Display	VFD		
Stackable	Yes		
Stage Cooking	Yes, 4		
Interior Light	Yes		
Door Handle	Grab & Go		
Signal	End of cycle, adjustable		
Air Filter	Non-removable with cleaning reminder		
Multiple Portion Setting	Yes, X2		
Exterior Dimensions	H 13 7⁄8" (352)	W 22" (559)	D*19" (483)
Cavity Dimensions	H 8 1⁄2" (216)	W 14 1⁄2" (368)	D 15" (381)
Door Depth	32 3⁄4" (832), 90°+ door open		
Usable Cavity Space	1.2 cubic ft. (34 liter)		
Exterior Finish	Stainless steel		
Interior Finish	Stainless steel		
Power Consumption	1550 W, 13 A		
Power Output**	1000 W** Microwave		
Power Source	120V, 60 Hz, 15 A single phase		
Plug Configuration / Cord	NEMA 5-15	5 ft. (1.5m)	
Frequency	2450 MHz		
Product Weight	41 lbs. (19 kg.)		
Ship weight (approx.)	47 lbs. (21 kg.)		
Shipping Carton Size	H 16 5⁄8" (422)	W 25 3⁄16" (640)	D 19 3⁄4" (502)
UPS Shippable	Yes		

Specifications

Commercial microwave 10 touch pad control panel shall be programmable with the ability to program up to 100 menu items with two multiple portions. Touch pad shall include Braille for ADA compliance. Cooking timer shall be 60 minute, countdown style with a time entry option and an adjustable end of cycle audible signal. There shall be 5 power levels, including defrost and 4 cooking stages. Microwave output shall be 1000 watts distributed by one magnetron with a rotating top antenna to provide superior even heating throughout the cavity. Durable door shall have a tempered glass window and a grab and go handle with a 90°+ opening for easy access. An interior light shall facilitate monitoring without opening the door. The large 1.2 cubic ft. (34 liter) cavity shall accommodate a 14" (356 mm) platter. Interior ceramic shelf shall be sealed and recessed on oven bottom to reduce plate-to-shelf edge impact. Oven shall have a stainless steel interior and exterior and be stackable to save counter and shelf space. Front air filter shall be permanently affixed to the front of the oven and have a clean filter reminder. Microwave oven shall comply with standards set by the U.S Department of Health and Human Services, UL923 for safety and NSF4 for sanitation.



Warranty

Warranty Certificate for this product can be found on the ACP, Inc. website at:

www.acpsolutions.com/warranty



Service

All products are backed by the ACP, Inc. 24/7 ComServ Support Center.

Measurements in () are millimeters

* Includes handle

** IEC 60705 Tested

Part No. 20154732

Updated 6/17/2016

Original Instructions

Dzilh-Na-O-Dith-Hle
COMMUNITY SCHOOL

225 49th Ave. Dr. SW Cedar Rapids, IA 52404 U.S.A.



800-233-2366

319-368-8120

Fax: 319-368-8198

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Cedar Rapids, Iowa 52404

www.acpsolutions.com

Submittal Sheet

ITEM# 27 - PASS-THRU REFRIGERATOR (1 EA REQ'D)

Beverage Air PRD2HC-1AS

P-Series Refrigerator, Pass-Thru, two-section, 48.33 cu. ft., top-mounted self-contained refrigeration, (4) solid doors, (6) adjustable shelves, LED lighting, aluminum interior, stainless steel exterior, standard depth cabinet, full-height doors, exterior digital thermometer, 6" legs, 1/3 HP, cULus, UL EPH Classified, UL-Sanitation, MADE IN USA

ACCESSORIES

Mfr	Qty	Model	Spec
Beverage Air	1		3 years parts & labor warranty (excludes maintenance items)
Beverage Air	1		Self-Contained refrigeration
Beverage Air	1		Additional 4 years compressor warranty (part only), standard
Beverage Air	1		115v/60/1-ph, 6.5 amps, NEMA 5-15P
Beverage Air	1		Left door(s) hinged left, right door(s) hinged right, standard

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									1/3		
2	115	60	1	Cord & Plug		5-15P	6.5				



BEVERAGE-AIR®

Project: _____
 Item: _____
 Location: _____
 Approved: _____

AIA#

SIS#

P-SERIES TOP MOUNT PASS-THRU REFRIGERATOR

PRD2HC-1AS Solid Door Reach-In
 Hydrocarbon Series

MODEL:
 PRD2HC-1AS



3 Year Parts/Labor Warranty

Additional 4 Year Compressor Warranty

CABINET CONSTRUCTION

- Exterior stainless steel front and side (galvanized top, bottom & back)
- Interior is made of corrosion resistant aluminum
- Stainless steel door liner
- Full electronic control
- Expansion valve technology
- Variable speed compressor technology
- Self-closing doors with 120° stay-open feature
- 22 Gauge stainless steel pass-thru doors
- LED interior light
- Cylinder locks
- Snap-in magnetic gaskets for positive door seal
- Anti-microbial door handle
- Hinged front shroud
- Energy saving thermal breaker
- Stainless steel breaker caps
- Heavy-duty epoxy wire coated shelves
- 6" High adjustable stainless steel legs
- 8' Cord and plug (see electrical data for details)

OPTIONS & ACCESSORIES

- Stainless steel case back
- Additional shelves
- Shelf clips
- 3" or 6" Casters
- 6" Seismic legs
- Tray slides (type A & A/C)
- Door swing orientation (at time of order)
- Remote option* (see note back on page)

REFRIGERATION SYSTEM

- Uses environmentally friendly, energy efficient R290 refrigerant, and meets all regulatory requirements for CARB, SNAP, DOE & more
- Adaptive defrost
- Epoxy coated evaporator coil, located out of the food zone
- Refrigerator capable of maintaining product temperature 36°F to 38°F

PRD2HC Top Mount Pass-Thru Refrigerator



Please verify qualifying units by visiting:
www.energystar.gov/cfs

3779 Champion Blvd., Winston-Salem, NC 27105
 1-888-845-9800 Fax: 1-336-245-6453
 Beverage-Air.com Sales@beva.com

Specifications are subject to change without prior notice. Rev. 3/20



BEVERAGE-AIR®

MODEL	PRD2HC-1AS
EXTERNAL DIMENSIONAL DATA	
Width Overall	52 1/8"
Depth Overall with Handle	38 3/8"
Height Overall	84 1/8"
Number of Doors	4
Depth with Door Open 90°	84 1/4"
Door Opening (in)	21 1/2" x 54 5/8"
INTERNAL DIMENSIONAL DATA	
NET Capacity (cubic ft.)	48.33
Internal Width Overall (in)	48 1/8"
Internal Depth Overall (in)	26"
Internal Height Overall (in)	56 5/8"
No. of Shelves	6
ELECTRICAL DATA	
Full Load Amperes* 115/60/1	6.5
REFRIGERATION DATA	
Horsepower*	1/3
Capacity (BTU/Hr)*	Variable Speed Technology
WEIGHT DATA	
Gross Weight (crated lbs)	642 lbs
Height - Crated	87"
Width - Crated	60"
Depth - Crated	45"

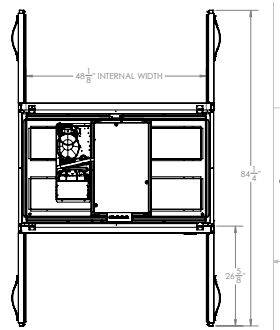
*NOTE: Remote units are field wired and come with 6" legs.
Refrigerant must be specified at time of order.

Top Mount Pass-Thru Refrigerator

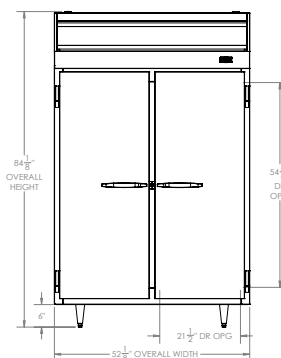
Model: PRD2HC-1AS

Model Views

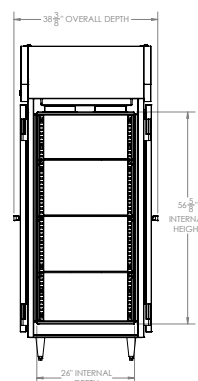
12" Top and 3" sides and rear clearance is required



PLAN VIEW



ELEVATION VIEW



SIDE VIEW

*ELECTRICAL CONNECTION



115/60/1
NEMA 5-15P

Units pre-wired at factory
and include 8' long cord
and plug set.



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

an Ali Group Company



3779 Champion Blvd., Winston-Salem, NC 27105
1-888-845-9800 Fax: 1-336-245-6453
Beverage-Air.com Sals@bevair.com

Submittal Sheet

ITEM# 28 - PASS-THRU HEATED CABINET (1 EA REQ'D)

Beverage Air PH2-1S-PT

Warming Cabinet, pass-thru, two-section, 43.3 cu. ft., (4) full height doors, cylinder lock, (6) silver freezer shelves, exterior digital thermometer, top mounted heating system, aluminum interior, stainless steel exterior, 20 amp breaker required, cULus, UL EPH Classified, UL-Sanitation, MADE IN USA

ACCESSORIES

Mfr	Qty	Model	Spec
Beverage Air	1		3 years parts & labor warranty (excludes maintenance items)
Beverage Air	1		208-240v/60/1-ph, 13.0 amps, 1500 watts

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1							20				
2	208-240	60	1				13	1.5			



BEVERAGE-AIR

Project: _____	AIA# _____
Item: _____	
Location: _____	SIS# _____
Approved: _____	

PH REACH-IN WARMING CABINET

PH2 Double Solid Door Pass-Thru Warming Cabinet

MODEL:
PH2-1S-PT



PH2-1S-PT

3 Year Parts/Labor Warranty
Additional 2 Year Compressor Warranty

CABINET CONSTRUCTION

- Stainless steel exterior and interior
- Operational indicator panel contains thermometer and adjustable thermostat control which is accurately calibrated from 80°F to 180°F
- Manually controlled humidity vents are provided in the top of the cabinet
- Self closing doors with safety stops
- Heavy-duty cylinder lock and self-adjusting magnetic gasket
- Stainless steel breaker
- Cam-lift hinges
- Anti-microbial door handles
- Three (3) silver freeze shelves
- 6" Adjustable legs standard

OPTIONS & ACCESSORIES

- ☐ Pan slides
- ☐ 3" or 6" Casters

ELECTRICAL SYSTEM

- 20 AMP breaker required for double door units
- Strip type 750-watt heating elements, operating on 208-240/60/1, having a total of 1500 watts per compartment.
- Externally mounted blower system maintains even temperature through out the food zone area.

PH2 Bottom Mount Models: Warming Cabinet



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COMMUNITY SCHOOL

3779 Champion Blvd., Winston-Salem, NC 27105
1-888-845-9800 Fax: 1-336-245-6453
Beverage-Air.com sales@bevair.com

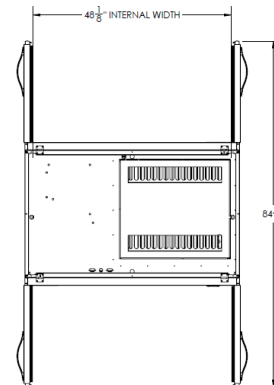


BEVERAGE-AIR

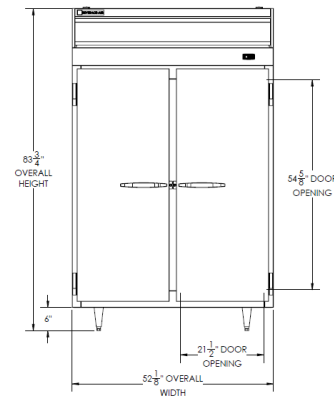
MODEL	PH2-1S-PT
EXTERNAL DIMENSIONAL DATA	
Width Overall	52 1/8"
Depth Overall with Handle	39 3/8"
Height Overall	83 3/4"
Number of Doors	4
Depth with Door Open 90°	84 1/4"
Door Opening (in)	21 1/2" x 54 5/8"
INTERNAL DIMENSIONAL DATA	
NET Capacity (cubic ft.)	43.3
Internal Width Overall (in)	48 1/8"
Internal Depth Overall (in)	26"
Internal Height Overall (in)	56 5/8"
Number of Shelves	6
ELECTRICAL DATA	
Cabinet Voltage 208-240/60/1	208-240/60/1
Max. Fuse Size T.D.	20 AMPS
Feed Wires	2
Heater Watts per section (@240V)	1500
Total Wattage (Heaters & Fan @240V)	3000
Total AMPS	13.00
WEIGHT DATA	
Gross Weight (Crated lbs)	675 lbs
Height - Crated	90"
Width - Crated	78"
Depth - Crated	45"

Warming Cabinet Model: PH2-1S-PT

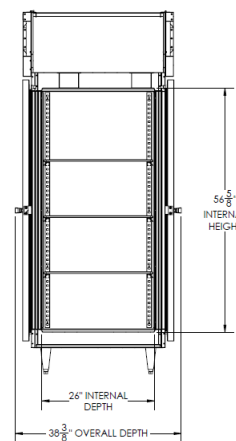
Model Views



Plan View



Elevation View



Side View

ELECTRICAL CONNECTION



208-240/60/1
NEMA 6-20A

Units pre-wired at factory and include 8' long cord and plug set.



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

an Ali Group Company



3779 Champion Blvd., Winston-Salem, NC 27105
1-888-845-9800 Fax: 1-336-245-6453
Beverage-Air.com sales@bevair.com

Submittal Sheet**ITEM# 29 - WORK TABLE, STAINLESS STEEL TOP (1 EA REQ'D)**

Advance Tabco KMS-303

Work Table, 36"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs & adjustable bullet feet, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	TA-31	Side Splash, 5" high (each)



STAINLESS STEEL WORK TABLES

STANDARD Series - 5" Backsplash - Undershelf Style

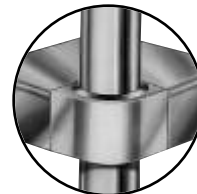
Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____



NEW
Rolled Rim Edges on
Front & Splash on
Back and Square
Side Edges



Featuring as Standard:
"THE PROVEN"
ORIGINAL ADVANCE TABCO
Adjustable Undershelf
with Die Cast Leg Clamp

FEATURES:

Top is furnished with a 1 5/8" sanitary rolled rim edge on front, 1 5/8" square side edges, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undershelf is adjustable.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:

KMS-SERIES: Stainless Steel Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

KMG-SERIES: Galvanized Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMS-240	KMS-300	
24"	KMS-242	KMS-302	
36"	KMS-243	KMS-303	KMS-363
48"	KMS-244	KMS-304	KMS-364
60"	KMS-245	KMS-305	KMS-365
72"	KMS-246	KMS-306	KMS-366
84"	KMS-247	KMS-307	KMS-367
96"	KMS-248	KMS-308	KMS-368
108"	KMS-249	KMS-309	KMS-369
120"	KMS-2410	KMS-3010	KMS-3610
132"	KMS-2411	KMS-3011	KMS-3611
144"	KMS-2412	KMS-3012	KMS-3612



KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMG-240	KMG-300	
24"	KMG-242	KMG-302	
36"	KMG-243	KMG-303	KMG-363
48"	KMG-244	KMG-304	KMG-364
60"	KMG-245	KMG-305	KMG-365
72"	KMG-246	KMG-306	KMG-366
84"	KMG-247	KMG-307	KMG-367
96"	KMG-248	KMG-308	KMG-368
108"	KMG-249	KMG-309	KMG-369
120"	KMG-2410	KMG-3010	KMG-3610
132"	KMG-2411	KMG-3011	KMG-3611
144"	KMG-2412	KMG-3012	KMG-3612

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

Email Orders To: customer@advancetabco.com. For Smart Fabrication™ Quotes, Email To: smartfab@advancetabco.com or Fax To: 631-586-2933

NEW YORK
Fax: (631) 242-6900

GEORGIA
Fax: (770) 775-5625

TEXAS
Fax: (972) 932-4795

NEVADA
Fax: (775) 972-1578

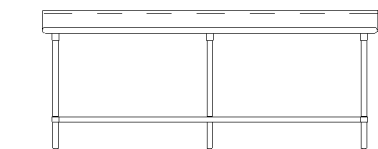
DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

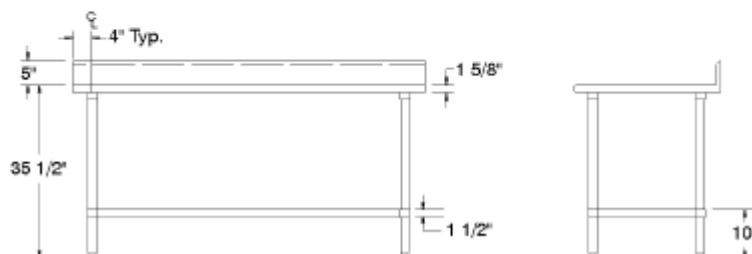
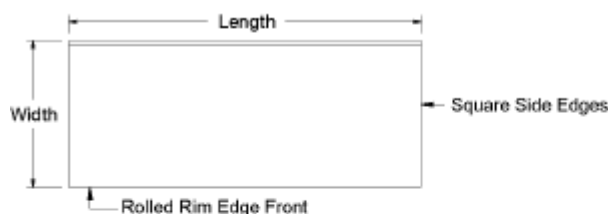
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

KMS & KMG Series Undershelf Style 5" Backsplash

Finished size of undershelf = Length minus 5 3/4"
Width minus 5 3/4"



Units 8ft. and larger are furnished with six (6) legs



KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMS-240	55 lbs.	KMS-300	70 lbs.		
24"	KMS-242	50 lbs.	KMS-302	56 lbs.		
36"	KMS-243	66 lbs.	KMS-303	77 lbs.	KMS-363	92 lbs.
48"	KMS-244	81 lbs.	KMS-304	92 lbs.	KMS-364	101 lbs.
60"	KMS-245	95 lbs.	KMS-305	111 lbs.	KMS-365	121 lbs.
72"	KMS-246	113 lbs.	KMS-306	129 lbs.	KMS-366	142 lbs.
84"	KMS-247	135 lbs.	KMS-307	153 lbs.	KMS-367	169 lbs.
96"	KMS-248	150 lbs.	KMS-308	171 lbs.	KMS-368	189 lbs.
108"	KMS-249	165 lbs.	KMS-309	195 lbs.	KMS-369	260 lbs.
120"	KMS-2410	268 lbs.	KMS-3010	294 lbs.	KMS-3610	315 lbs.
132"	KMS-2411	301 lbs.	KMS-3011	331 lbs.	KMS-3611	358 lbs.
144"	KMS-2412	316 lbs.	KMS-3012	346 lbs.	KMS-3612	373 lbs.

KMG-Series: Galvanized Steel Legs & Undershelf

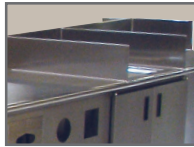
L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMG-240	55 lbs.	KMG-300	70 lbs.		
24"	KMG-242	50 lbs.	KMG-302	56 lbs.		
36"	KMG-243	66 lbs.	KMG-303	77 lbs.	KMG-363	92 lbs.
48"	KMG-244	81 lbs.	KMG-304	92 lbs.	KMG-364	101 lbs.
60"	KMG-245	95 lbs.	KMG-305	111 lbs.	KMG-365	121 lbs.
72"	KMG-246	113 lbs.	KMG-306	129 lbs.	KMG-366	142 lbs.
84"	KMG-247	135 lbs.	KMG-307	153 lbs.	KMG-367	169 lbs.
96"	KMG-248	150 lbs.	KMG-308	171 lbs.	KMG-368	189 lbs.
108"	KMG-249	165 lbs.	KMG-309	195 lbs.	KMG-369	260 lbs.
120"	KMG-2410	268 lbs.	KMG-3010	294 lbs.	KMG-3610	315 lbs.
132"	KMG-2411	301 lbs.	KMG-3011	331 lbs.	KMG-3611	358 lbs.
144"	KMG-2412	316 lbs.	KMG-3012	346 lbs.	KMG-3612	373 lbs.



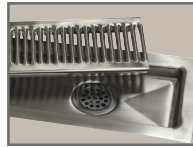


TABLE MODIFICATIONS & ACCESSORIES

TOP MODIFICATIONS



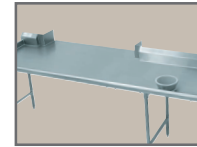
TA-56
5" NSF Partition



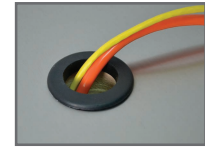
TA-523
Drop-In Urn Trough



CDR-5
Condiment Holder



TA-84
Pass-Thru



TA-108
Grommet For Cords

QTY.

CDR-5	Condiment Holder (Accommodates 5 Bins)
TA-1	Notch Backsplash For Roll Up Door w/ Pass-Thru
TA-3	Stainless Steel Hat Channel & Gusset Upgrade
TA-7	10" Partial Splash
TA-8	Column Notch in Rear Splash (Includes Splash)
TA-10	5" Partial Splash
TA-12	Countertop Edge
TA-22	Square Edge Table
TA-28	Cut-Out For Cold Well. Includes Louvered Doors
TA-29	16 Ga. 304 Rear Splash Capping Strip w/Adhesive Backing
TA-30	1-1/2" Side Splash
TA-30A	1-1/2" Turn Up For Table Tops
TA-31	5" Side Splash
TA-32	10" Side Splash
TA-34	Top Cut-Out
TA-34A	Top Cut-Out for Undermount Well
TA-35	Splash Cut-Out
TA-41	Poly-Vance 5/8" Cutting Board
TA-56	5" NSF Partition
TA-56A	18" NSF Partition
TA-57	Prepare Welded Field Joint (Welded in field by others)
TA-57A	Bolted Field Joint (Bolted in field by others)
TA-57B	Hairline Field Joint
TA-58	Stepdown to 24" Working Height
TA-64	Urn Trough (Factory installation only)
TA-75	Mitered Edge
TA-76	Paint on Sound Deadening
TA-79	Flour Trough (Factory installation only)
TA-82	Scrap Chute (6" dia. opening)
TA-84	Simple Pass-Thru
TA-87	Enclosed Rear Splash
TA-91	Poly Retaining Clips Includes TA-22 (S/S top table)

QTY.

TA-93	Wall Brackets (Includes 2. For 5" & 10 1/2" splash only)
TA-96A	Can Opener Provision for Openers with Bolt-on Base (Customer to provide location)
TA-96B	Can Opener Surface Mount Provision with 4" S/S Tube for Openers w/o Base (Customer to provide location)
TA-96C	Can Opener Spacer Plate Provision for Use on Tables With Countertop Edge & Can Opener Base (Customer to provide location)
TA-100	Bull Nose All Sides of Worktable
TA-101	Rear Tray Lock
TA-106	Mirror HI-LITE Edge
TA-107	Vacuum Breaker Holes on Tables (Includes Backsplash with 2" Return)
TA-108	2" Hole with Grommet for Appliance Cord
TA-112	Hubble Outlet
TA-113	Notch Top for Buyout Unit
TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
TA-135	Plate Shelf (Undercounter Mounted)
TA-366A	Heavy duty Understructure Top
TA-502	Install Advance Tabco Hot Food Unit In Work Table Top (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)
TA-521	Drop-In urn Trough 1'
TA-522	Drop-In urn Trough 2'
TA-523	Drop-In urn Trough 3'
TA-524	Drop-In urn Trough 4'
TA-525	Drop-In urn Trough 5'
TA-526	Drop-In urn Trough 6'
TA-527	Drop-In urn Trough 7'
TA-528	Drop-In urn Trough 8'
TA-529	Drop-In urn Trough 9'
TA-550	Install Customer Supplied Buyout Items (Does not include wiring. Consult factory)
TA-551	Installation of Hot Food Wells. (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933



TABLE MODIFICATIONS & ACCESSORIES

BASE MODIFICATIONS



TA-39
Louvered Hinged Doors



TA-73
Drop-Down Tray Slide



TA-74
Solid Tray Slide



TA-900
ADJ. Height Tables



TA-116
Adj. Mid-Shelf

QTY.

___	TA-4	Removable Access Panel
___	TA-4A	Louvered Panel
___	TA-5	Curb Mounting Provision
___	TA-15	Provision for Built In Drawer Warmer
___	TA-23	Welded Set-Up Table/Crating
___	TA-24	Shell Crating
___	TA-27	Control Panel (Must add TA-34A or TA-34B)
___	TA-36A	Sliding/Hinge Stainless Steel Doors
___	TA-36B	1/2 Height Stainless Steel Hinge Doors
___	TA-36C	Hinged door with Trash Flap
___	TA-37	Stainless Enclosed Base
___	TA-39	24" Louvered Hinged Doors
___	TA-40	Remove Undershelf in Cabinet Base For Slide in Buyout
___	TA-42	Interior Partition (2.5"x30")
___	TA-43	Filler Panel (3"x30" with Flanged Feet)
___	TA-44	K.D. Aluminum Pan Rack Slides (6 slides. Table min. lgth. 30")
___	TA-45	K.D. Aluminum Glass Rack Slides (3 slides. Table min. lgth. 3 feet)
___	TA-46	Door Locks

QTY.

___	TA-48	12"x12" Cut-Out in Back Panel/Undershelf for Plumbing
___	TA-54	Removable Kick Plate
___	TA-55	Remove Back Panel (on Enclosed Base)
___	TA-63	Removable Shelving (In addition to standard shelf & table width)
___	TA-70	S/S Tubular Tray Divider (12" sections)
___	TA-73	Tubular Tray Slide w/Dropdown (Stationary Tray Slide Available. Factory installation only)
___	TA-74	Solid Tray Slide
___	TA-92	12" Apron (in front of sink)
___	TA-92A	17" Stainless Steel Apron to Cover Sink Bowls and Support Lever Drain Handles
___	TA-116	Adjustable Enclosed Base Cabinet Mid Shelf- Add to Price of Enclosed Base Table with Fixed Mid Shelf (M). Shelves Over 36" In Length Require Multiple Sections With Center Partition. For Partial Shelves Add To Price Of Shelf.
___	TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
___	TA-135	Plate Shelf (Undercounter Mounted)
___	TA-205	Connect Cafeteria Items (Per Joint Between 2 Tables. Requires Casters)
___	TA-900	Upgrade Table To be Height Adjustable In Field (Up to 6" Only. Unit Ships Set Up)

ELECTRICAL & DATA PORT OUTLETS



TA-62
Duplex Outlet



TA-62A
GFI Duplex Outlet



TA-62D
GFI Doghouse Outlet



TA-62F
Empty Junction Box



TA-112
Hubble Outlet

QTY.

___	TA-62	Standard Duplex Electrical Outlet & Cover Plate (Under Flat Top). NEMA 5-15R
___	TA-62A	GFI Duplex Outlet & Cover Plate in a VKS Splash. NEMA 5-20R
___	TA-62C	GFI Duplex Outlet & Cover Plate Below Shelf Top. NEMA 5-20R
___	TA-62D	GFI Duplex Outlet & Cover Plate in a Doghouse. NEMA 5-20R

QTY.

___	TA-62E	Upgrade Outlet to a NEMA 6-20R or Equiv.
___	TA-62F	Junction Box (empty) Below Table Top. Includes 1 Gang Size, Stainless Steel Face Plate
___	TA-112	Hubble Outlet
___	TA-622	CAT-5 Data Port Outlet. Cable Not Included



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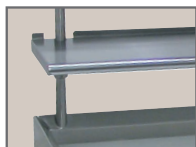
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TABLE MODIFICATIONS & ACCESSORIES

OVERSHELF & POT RACK MODIFICATIONS



TA-9A
1" Turn Up



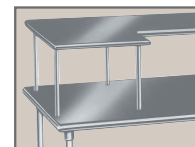
TA-22A
Square Edge



TA-71
Heat Lamp Mounting Provision



TA-100A
Bull Nose



TA-102
24" x 24" Extension

QTY.

_____	TA-9A	Partial 1" Turn-Up for all Table Mt. Shelves
_____	TA-22A	Square Edge on Overshelf
_____	TA-26-10	Welded Wall Shelf Brackets for 10" Wide Shelf
_____	TA-26-12	Welded Wall Shelf Brackets for 12" Wide Shelf
_____	TA-26-15	Welded Wall Shelf Brackets for 15" Wide Shelf
_____	TA-26-18	Welded Wall Shelf Brackets for 18" Wide Shelf
_____	TA-47	Shelf Mounting Bracket for Existing Table
_____	TA-49	Wall Shelf 2" Offset
_____	TA-60	Special Sizing Charge for Shelves (Must Order Larger Unit to be Cut Down to Smaller Size)
_____	TA-71	Heat Lamp Mounting Provision
_____	TA-71A	Heat Lamp Remote Control Bracket
_____	TA-78	Additional Lin. Ft. Past 12' For Table Mt. Shelf (For ODS, OTS, TS, DS & WS Shelving only)
_____	TA-77	Check Minder Shelf Provision (Factory install only)
_____	TA-83	Spice Bins

QTY.

_____	TA-84A	Knife Rack for Rolled Rim Tables
_____	TA-84B	Knife Rack for Poly Top Tables
_____	TA-84C	Knife Rack for Square Edge Tables
_____	TA-86	Stainless Steel Pot Hooks
_____	TA-89	Double Sided Plated Pot Hooks (Package of 4)
_____	TA-89A	Single Sided Plated Pot Hooks (Package of 4)
_____	TA-98	Stainless Steel Flat Bar in lieu of Chain
_____	TA-99	16 Ga. S/S 304 Upgrade for Wall & Over Shelves
_____	TA-100A	Bull Nose All Sides of Shelf
_____	TA-100R	Bull Nose Three Sides of Shelf w/ Rear Turn Up
_____	TA-102	24" x 24" Extension for Microwave or Computer Shelf (Add to OTS and ODS Shelves. See page 65)
_____	TA-103	24" Wide PT Shelf (36" Min Length. Mid mount only. PT Series Shelf, See Pg. 73. Add to 18" Wide Shelf)
_____	TA-104	Additional Length Over 12' (Add to 18" Shelf. (PA & CU Shelving Only. Max. Length is 14' as Single Piece)

UNDERSHELF MODIFICATIONS

QTY.

_____	TA-9	1-1/2" Turn-Up for Undershelves
_____	TA-17	Upgrade Undershelf to a Marine Edge (Must add TA-23)
_____	TA-48	12"x12" Cut-Out in Back Panel or Undershelf for Plumbing

QTY.

_____	TA-94	Upgrade 16 Ga. 304 S/S Undershelf
_____	TA-94A	Upgrade 14 Ga. 304 S/S Undershelf
_____	TA-366	Reinforced Understructure For Undershelves

SIZE MODIFICATIONS

QTY.

_____	TA-33	Special Working Height
_____	TA-59	36" Wide Equipment Stand
_____	TA-6	Extra Length for Standard Tables Over 12' (Tables Over 14' Require Field Joint TA-57)
_____	TA-61	Special Sizing Charge (Larger Unit Cut Down to Smaller Size)
_____	TA-61A	Special Modification Charge

QTY.

_____	TA-65	Enclosed Base Units Over 12' (Open Base Table)
_____	TA-66	Enclosed Base Units Over 12' (Sliding Door Units)
_____	TA-67	Enclosed Base Units Over 12' (Hinged Door Units)
_____	TA-105	Modify Enclosed Base Table w/ Drawers to 24" Width
_____	TA-110	Modify Enclosed Base Table w/ Drawers to 36" Width



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TABLE MODIFICATIONS & ACCESSORIES

LEG MODIFICATIONS

QTY.

TA-16	1 Galvanized Leg with Plastic Bullet Foot (34 1/2" Total Length)
TA-16-4	4 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-16-6	6 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-19	Stainless Steel Flanged Bullet Foot For Work Table
TA-19L	S/S Bolt-on Leg w/ Flanged Foot For Enclosed Base Table
TA-20	1 Stainless Steel Leg with S/S Bullet Foot (34 1/2" Total Length)
TA-20-4	4 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)

QTY.

TA-20-6	6 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)
TA-20L	Replacement Bolt-on Leg For Enclosed Base Table
TA-21	Stainless Steel Bullet Foot
TA-68	Relocate Rear Cross Rail To Center (for Open Base Tables Only)
TA-72	Leg to Wall Brace (Set per table)
TA-95	Upgrade 16 Ga. 304 S/S Legs Only

WORK TABLE CASTERS



Standard Casters

Maintains the Standard 35-1/2" Working Height

200 lbs. Load Capacity Per Caster

When Used w/ Stainless Steel Legs

TA-25S-4 Set of 4 (Two with Brakes)

TA-25S-6 Set of 6 (Two with Brakes)

When Used w/ Galvanized Legs

TA-25G-4 Set of 4 (Two with Brakes)

TA-25G-6 Set of 6 (Two with Brakes)

Replacement Casters

For Work Tables

TA-25 Set of 4
(Two with Brakes)

TA-25A Set of 6
(Two with Brakes)

200 lbs. Load Capacity Per Caster



Optional Standard Caster Upgrades:

TA-25B Set	For brakes on all wheels (Standard Casters) - Add price to the following models: TA-25, TA-25A, TA-25S-4, TA-25S-6, TA-25G-4, TA-25G-6
TA-25C Per Caster	Upgrade Standard Caster with Heavy Duty Urethane Wheels (Per Caster)

EQUIPMENT STAND CASTERS



Standard Casters

5" Urethane Wheels.

Maintains the Standard 24" Working Height

200 lbs. Load Capacity Per Caster

w/ Stainless Steel Legs

TA-25ES Set of 4 (Two with Brakes)

w/ Galvanized Legs

TA-25EG Set of 4 (Two with Brakes)

HEAVY DUTY Casters

5" Urethane Wheels

400 lbs. Load Capacity Per Caster



TA-255 Super Heavy Duty
Set of 4 (Two with Brakes)

TA-256 Super Heavy Duty
Set of 6 (Two with Brakes)

Optional Equipment Stand Caster Upgrade:

TA-255B For brakes on all wheels (Equipment Casters) - Add price to any of the following models:
TA-255, TA-256, TA-25ES, TA-25EG

Enclosed Base Table Casters

Easy Bolt-On Style



TA-255P Set of 4 (Two with Brakes)

TA-255AP Set of 6 (Two with Brakes)

300 lbs. Load Capacity Per Caster

For brakes on all wheels (Enclosed Base Casters) -
Add price to models: TA-255P or TA-255AP

TA-255PB

Contact Our SMART FABRICATION™ Department for more information at 800-645-3166
or email in your specifications to smartfab@advancetabco.com



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

REF-K 200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

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Page: 123

Submittal Sheet**ITEM# 30 - SHELVING, WALL MOUNTED (1 EA REQ'D)**

Advance Tabco WS-12-36

Shelf, wall-mounted, 36"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 18/430 satin finish stainless steel, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	TA-30	Side Splash, 1-1/2" high (each)



STAINLESS STEEL WALL SHELVES



Item #: _____ Qty #: _____
 Model #: _____
 Project #: _____



FEATURES:

Brackets can be positioned to accommodate wall studs.
 Furnished with a 1-5/8" Bullnose edge with a 1-1/2" turn-up edge at rear. Ends are turned down square.

CONSTRUCTION:

Secured to wall by means of bolts through support brackets.
 Units 7 ft. and larger are furnished with 3 brackets.

MATERIAL:

16 Gauge Series - 304 stainless steel polished to a satin finish.
18 Gauge Series - 430 stainless steel polished to a satin finish.

10" Wide				12" Wide			15" Wide			18" Wide			
L	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	Approx. Cu. Ft.
24"	WS-10-24-16	WS-10-24	8 lbs.	WS-12-24-16	WS-12-24	9 lbs.	WS-15-24-16	WS-15-24	11 lbs.	WS-18-24-16	WS-18-24	14 lbs.	3
30"	-	-	-	WS-12-30-16	WS-12-30	12 lbs.	-	-	-	-	-	-	4
36"	WS-10-36-16	WS-10-36	10 lbs.	WS-12-36-16	WS-12-36	12 lbs.	WS-15-36-16	WS-15-36	15 lbs.	WS-18-36-16	WS-18-36	21 lbs.	4
42"	-	-	-	WS-12-42-16	WS-12-42	14 lbs.	-	-	-	-	-	-	5
48"	WS-10-48-16	WS-10-48	12 lbs.	WS-12-48-16	WS-12-48	14 lbs.	WS-15-48-16	WS-15-48	18 lbs.	WS-18-48-16	WS-18-48	24 lbs.	5
60"	WS-10-60-16	WS-10-60	15 lbs.	WS-12-60-16	WS-12-60	17 lbs.	WS-15-60-16	WS-15-60	23 lbs.	WS-18-60-16	WS-18-60	28 lbs.	6
72"	WS-10-72-16	WS-10-72	17 lbs.	WS-12-72-16	WS-12-72	21 lbs.	WS-15-72-16	WS-15-72	28 lbs.	WS-18-72-16	WS-18-72	32 lbs.	7
84"	WS-10-84-16	WS-10-84	20 lbs.	WS-12-84-16	WS-12-84	25 lbs.	WS-15-84-16	WS-15-84	32 lbs.	WS-18-84-16	WS-18-84	36 lbs.	8
96"	WS-10-96-16	WS-10-96	23 lbs.	WS-12-96-16	WS-12-96	28 lbs.	WS-15-96-16	WS-15-96	36 lbs.	WS-18-96-16	WS-18-96	42 lbs.	10
108"	WS-10-108-16	WS-10-108	28 lbs.	WS-12-108-16	WS-12-108	32 lbs.	WS-15-108-16	WS-15-108	40 lbs.	WS-18-108-16	WS-18-108	48 lbs.	11
120"	WS-10-120-16	WS-10-120	32 lbs.	WS-12-120-16	WS-12-120	36 lbs.	WS-15-120-16	WS-15-120	44 lbs.	WS-18-120-16	WS-18-120	54 lbs.	12
132"	WS-10-132-16	WS-10-132	36 lbs.	WS-12-132-16	WS-12-132	42 lbs.	WS-15-132-16	WS-15-132	49 lbs.	WS-18-132-16	WS-18-132	60 lbs.	13
144"	WS-10-144-16	WS-10-144	40 lbs.	WS-12-144-16	WS-12-144	48 lbs.	WS-15-144-16	WS-15-144	55 lbs.	WS-18-144-16	WS-18-144	66 lbs.	14



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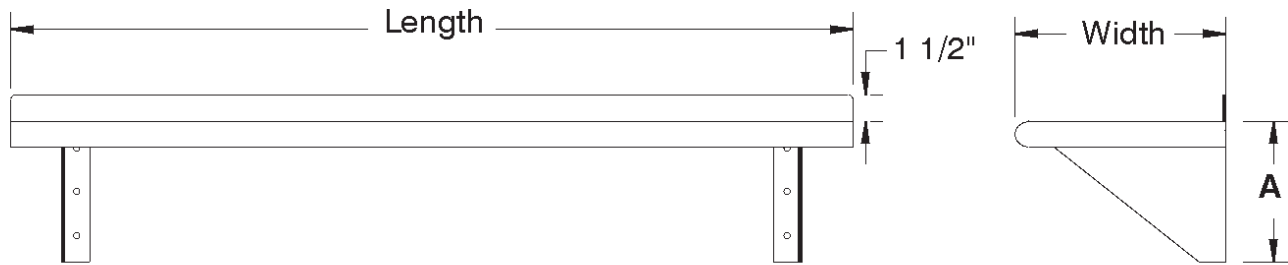
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DETAILS and SPECIFICATIONS

TOL ± .500"

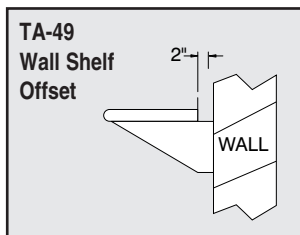
ALL DIMENSIONS ARE TYPICAL



Width	A
10"	8 1/2"
12"	10 1/2"
15"	13 1/2"
18"	16 1/2"

Wall Shelf Options

PRT-1	Printer Shelf
TA-22A	Square Edge Shelf
TA-26	Welded Shelf Brackets
TA-49	Wall Shelf 2" Offset
TA-71	Heat Lamp Provision
TA-77	Check Minder
TA-77A	Concealer for Heat Lamp (Requires TA-77)
TA-99A	14 Ga. S/S 304 Upgrade for Overshelves
TA-100A	Bullnose Edge On All 4 Sides of Shelf
TA-102	6" Cantilever Shelf Offset



Requirements for NSF Installations

1. Install at least 60" above floor.
2. Limit to dry storage.
3. Avoid contact with liquids.
4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.





TABLE MODIFICATIONS & ACCESSORIES

TOP MODIFICATIONS



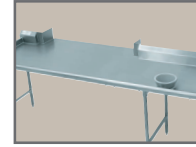
TA-56
5" NSF Partition



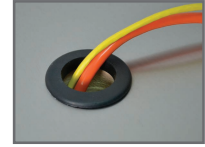
TA-523
Drop-In Urn Trough



CDR-5
Condiment Holder



TA-84
Pass-Thru



TA-108
Grommet For Cords

QTY.

CDR-5	Condiment Holder (Accommodates 5 Bins)
TA-1	Notch Backsplash For Roll Up Door w/ Pass-Thru
TA-3	Stainless Steel Hat Channel & Gusset Upgrade
TA-7	10" Partial Splash
TA-8	Column Notch in Rear Splash (Includes Splash)
TA-10	5" Partial Splash
TA-12	Countertop Edge
TA-22	Square Edge Table
TA-28	Cut-Out For Cold Well. Includes Louvered Doors
TA-29	16 Ga. 304 Rear Splash Capping Strip w/Adhesive Backing
TA-30	1-1/2" Side Splash
TA-30A	1-1/2" Turn Up For Table Tops
TA-31	5" Side Splash
TA-32	10" Side Splash
TA-34	Top Cut-Out
TA-34A	Top Cut-Out for Undermount Well
TA-35	Splash Cut-Out
TA-41	Poly-Vance 5/8" Cutting Board
TA-56	5" NSF Partition
TA-56A	18" NSF Partition
TA-57	Prepare Welded Field Joint (Welded in field by others)
TA-57A	Bolted Field Joint (Bolted in field by others)
TA-57B	Hairline Field Joint
TA-58	Stepdown to 24" Working Height
TA-64	Urn Trough (Factory installation only)
TA-75	Mitered Edge
TA-76	Paint on Sound Deadening
TA-79	Flour Trough (Factory installation only)
TA-82	Scrap Chute (6" dia. opening)
TA-84	Simple Pass-Thru
TA-87	Enclosed Rear Splash
TA-91	Poly Retaining Clips Includes TA-22 (S/S top table)

QTY.

TA-93	Wall Brackets (Includes 2. For 5" & 10 1/2" splash only)
TA-96A	Can Opener Provision for Openers with Bolt-on Base (Customer to provide location)
TA-96B	Can Opener Surface Mount Provision with 4" S/S Tube for Openers w/o Base (Customer to provide location)
TA-96C	Can Opener Spacer Plate Provision for Use on Tables With Countertop Edge & Can Opener Base (Customer to provide location)
TA-100	Bull Nose All Sides of Worktable
TA-101	Rear Tray Lock
TA-106	Mirror HI-LITE Edge
TA-107	Vacuum Breaker Holes on Tables (Includes Backsplash with 2" Return)
TA-108	2" Hole with Grommet for Appliance Cord
TA-112	Hubble Outlet
TA-113	Notch Top for Buyout Unit
TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
TA-135	Plate Shelf (Undercounter Mounted)
TA-366A	Heavy duty Understructure Top
TA-502	Install Advance Tabco Hot Food Unit In Work Table Top (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)
TA-521	Drop-In urn Trough 1'
TA-522	Drop-In urn Trough 2'
TA-523	Drop-In urn Trough 3'
TA-524	Drop-In urn Trough 4'
TA-525	Drop-In urn Trough 5'
TA-526	Drop-In urn Trough 6'
TA-527	Drop-In urn Trough 7'
TA-528	Drop-In urn Trough 8'
TA-529	Drop-In urn Trough 9'
TA-550	Install Customer Supplied Buyout Items (Does not include wiring. Consult factory)
TA-551	Installation of Hot Food Wells. (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)



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TABLE MODIFICATIONS & ACCESSORIES

BASE MODIFICATIONS



TA-39
Louvered Hinged Doors



TA-73
Drop-Down Tray Slide



TA-74
Solid Tray Slide



TA-900
ADJ. Height Tables



TA-116
Adj. Mid-Shelf

QTY.

___	TA-4	Removable Access Panel
___	TA-4A	Louvered Panel
___	TA-5	Curb Mounting Provision
___	TA-15	Provision for Built In Drawer Warmer
___	TA-23	Welded Set-Up Table/Crating
___	TA-24	Shell Crating
___	TA-27	Control Panel (Must add TA-34A or TA-34B)
___	TA-36A	Sliding/Hinge Stainless Steel Doors
___	TA-36B	1/2 Height Stainless Steel Hinge Doors
___	TA-36C	Hinged door with Trash Flap
___	TA-37	Stainless Enclosed Base
___	TA-39	24" Louvered Hinged Doors
___	TA-40	Remove Undershelf in Cabinet Base For Slide in Buyout
___	TA-42	Interior Partition (2.5"x30")
___	TA-43	Filler Panel (3"x30" with Flanged Feet)
___	TA-44	K.D. Aluminum Pan Rack Slides (6 slides. Table min. lgth. 30")
___	TA-45	K.D. Aluminum Glass Rack Slides (3 slides. Table min. lgth. 3 feet)
___	TA-46	Door Locks

QTY.

___	TA-48	12"x12" Cut-Out in Back Panel/Undershelf for Plumbing
___	TA-54	Removable Kick Plate
___	TA-55	Remove Back Panel (on Enclosed Base)
___	TA-63	Removable Shelving (In addition to standard shelf & table width)
___	TA-70	S/S Tubular Tray Divider (12" sections)
___	TA-73	Tubular Tray Slide w/Dropdown (Stationary Tray Slide Available. Factory installation only)
___	TA-74	Solid Tray Slide
___	TA-92	12" Apron (in front of sink)
___	TA-92A	17" Stainless Steel Apron to Cover Sink Bowls and Support Lever Drain Handles
___	TA-116	Adjustable Enclosed Base Cabinet Mid Shelf- Add to Price of Enclosed Base Table with Fixed Mid Shelf (M). Shelves Over 36" In Length Require Multiple Sections With Center Partition. For Partial Shelves Add To Price Of Shelf.
___	TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
___	TA-135	Plate Shelf (Undercounter Mounted)
___	TA-205	Connect Cafeteria Items (Per Joint Between 2 Tables. Requires Casters)
___	TA-900	Upgrade Table To be Height Adjustable In Field (Up to 6" Only. Unit Ships Set Up)

ELECTRICAL & DATA PORT OUTLETS



TA-62
Duplex Outlet



TA-62A
GFI Duplex Outlet



TA-62D
GFI Doghouse Outlet



TA-62F
Empty Junction Box



TA-112
Hubble Outlet

QTY.

___	TA-62	Standard Duplex Electrical Outlet & Cover Plate (Under Flat Top). NEMA 5-15R
___	TA-62A	GFI Duplex Outlet & Cover Plate in a VKS Splash. NEMA 5-20R
___	TA-62C	GFI Duplex Outlet & Cover Plate Below Shelf Top. NEMA 5-20R
___	TA-62D	GFI Duplex Outlet & Cover Plate in a Doghouse. NEMA 5-20R

QTY.

___	TA-62E	Upgrade Outlet to a NEMA 6-20R or Equiv.
___	TA-62F	Junction Box (empty) Below Table Top. Includes 1 Gang Size, Stainless Steel Face Plate
___	TA-112	Hubble Outlet
___	TA-622	CAT-5 Data Port Outlet. Cable Not Included



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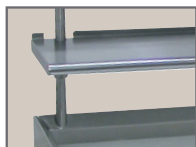
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TABLE MODIFICATIONS & ACCESSORIES

OVERSHELF & POT RACK MODIFICATIONS



TA-9A
1" Turn Up



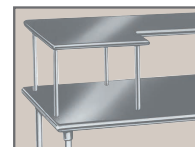
TA-22A
Square Edge



TA-71
Heat Lamp Mounting Provision



TA-100A
Bull Nose



TA-102
24" x 24" Extension

QTY.

_____	TA-9A	Partial 1" Turn-Up for all Table Mt. Shelves
_____	TA-22A	Square Edge on Overshelf
_____	TA-26-10	Welded Wall Shelf Brackets for 10" Wide Shelf
_____	TA-26-12	Welded Wall Shelf Brackets for 12" Wide Shelf
_____	TA-26-15	Welded Wall Shelf Brackets for 15" Wide Shelf
_____	TA-26-18	Welded Wall Shelf Brackets for 18" Wide Shelf
_____	TA-47	Shelf Mounting Bracket for Existing Table
_____	TA-49	Wall Shelf 2" Offset
_____	TA-60	Special Sizing Charge for Shelves (Must Order Larger Unit to be Cut Down to Smaller Size)
_____	TA-71	Heat Lamp Mounting Provision
_____	TA-71A	Heat Lamp Remote Control Bracket
_____	TA-78	Additional Lin. Ft. Past 12' For Table Mt. Shelf (For ODS, OTS, TS, DS & WS Shelving only)
_____	TA-77	Check Minder Shelf Provision (Factory install only)
_____	TA-83	Spice Bins

QTY.

_____	TA-84A	Knife Rack for Rolled Rim Tables
_____	TA-84B	Knife Rack for Poly Top Tables
_____	TA-84C	Knife Rack for Square Edge Tables
_____	TA-86	Stainless Steel Pot Hooks
_____	TA-89	Double Sided Plated Pot Hooks (Package of 4)
_____	TA-89A	Single Sided Plated Pot Hooks (Package of 4)
_____	TA-98	Stainless Steel Flat Bar in lieu of Chain
_____	TA-99	16 Ga. S/S 304 Upgrade for Wall & Over Shelves
_____	TA-100A	Bull Nose All Sides of Shelf
_____	TA-100R	Bull Nose Three Sides of Shelf w/ Rear Turn Up
_____	TA-102	24" x 24" Extension for Microwave or Computer Shelf (Add to OTS and ODS Shelves. See page 65)
_____	TA-103	24" Wide PT Shelf (36" Min Length. Mid mount only. PT Series Shelf, See Pg. 73. Add to 18" Wide Shelf)
_____	TA-104	Additional Length Over 12' (Add to 18" Shelf. (PA & CU Shelving Only. Max. Length is 14' as Single Piece)

UNDERSHELF MODIFICATIONS

QTY.

_____	TA-9	1-1/2" Turn-Up for Undershelves
_____	TA-17	Upgrade Undershelf to a Marine Edge (Must add TA-23)
_____	TA-48	12"x12" Cut-Out in Back Panel or Undershelf for Plumbing

QTY.

_____	TA-94	Upgrade 16 Ga. 304 S/S Undershelf
_____	TA-94A	Upgrade 14 Ga. 304 S/S Undershelf
_____	TA-366	Reinforced Understructure For Undershelves

SIZE MODIFICATIONS

QTY.

_____	TA-33	Special Working Height
_____	TA-59	36" Wide Equipment Stand
_____	TA-6	Extra Length for Standard Tables Over 12' (Tables Over 14' Require Field Joint TA-57)
_____	TA-61	Special Sizing Charge (Larger Unit Cut Down to Smaller Size)
_____	TA-61A	Special Modification Charge

QTY.

_____	TA-65	Enclosed Base Units Over 12' (Open Base Table)
_____	TA-66	Enclosed Base Units Over 12' (Sliding Door Units)
_____	TA-67	Enclosed Base Units Over 12' (Hinged Door Units)
_____	TA-105	Modify Enclosed Base Table w/ Drawers to 24" Width
_____	TA-110	Modify Enclosed Base Table w/ Drawers to 36" Width



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933



TABLE MODIFICATIONS & ACCESSORIES

LEG MODIFICATIONS

QTY.

TA-16	1 Galvanized Leg with Plastic Bullet Foot (34 1/2" Total Length)
TA-16-4	4 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-16-6	6 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-19	Stainless Steel Flanged Bullet Foot For Work Table
TA-19L	S/S Bolt-on Leg w/ Flanged Foot For Enclosed Base Table
TA-20	1 Stainless Steel Leg with S/S Bullet Foot (34 1/2" Total Length)
TA-20-4	4 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)

QTY.

TA-20-6	6 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)
TA-20L	Replacement Bolt-on Leg For Enclosed Base Table
TA-21	Stainless Steel Bullet Foot
TA-68	Relocate Rear Cross Rail To Center (for Open Base Tables Only)
TA-72	Leg to Wall Brace (Set per table)
TA-95	Upgrade 16 Ga. 304 S/S Legs Only

WORK TABLE CASTERS



Standard Casters

Maintains the Standard 35-1/2" Working Height

200 lbs. Load Capacity Per Caster

When Used w/ Stainless Steel Legs

TA-25S-4 Set of 4 (Two with Brakes)

TA-25S-6 Set of 6 (Two with Brakes)

When Used w/ Galvanized Legs

TA-25G-4 Set of 4 (Two with Brakes)

TA-25G-6 Set of 6 (Two with Brakes)

Replacement Casters

For Work Tables

TA-25 Set of 4
(Two with Brakes)

TA-25A Set of 6
(Two with Brakes)

200 lbs. Load Capacity Per Caster



Optional Standard Caster Upgrades:

TA-25B Set	For brakes on all wheels (Standard Casters) - Add price to the following models: TA-25, TA-25A, TA-25S-4, TA-25S-6, TA-25G-4, TA-25G-6
TA-25C Per Caster	Upgrade Standard Caster with Heavy Duty Urethane Wheels (Per Caster)

EQUIPMENT STAND CASTERS



Standard Casters

5" Urethane Wheels.

Maintains the Standard 24" Working Height

200 lbs. Load Capacity Per Caster

w/ Stainless Steel Legs

TA-25ES Set of 4 (Two with Brakes)

w/ Galvanized Legs

TA-25EG Set of 4 (Two with Brakes)

HEAVY DUTY Casters

5" Urethane Wheels

400 lbs. Load Capacity Per Caster



TA-255 Super Heavy Duty
Set of 4 (Two with Brakes)

TA-256 Super Heavy Duty
Set of 6 (Two with Brakes)

Optional Equipment Stand Caster Upgrade:

TA-255B For brakes on all wheels (Equipment Casters) - Add price to any of the following models:
TA-255, TA-256, TA-25ES, TA-25EG

Enclosed Base Table Casters

Easy Bolt-On Style



TA-255P Set of 4 (Two with Brakes)

TA-255AP Set of 6 (Two with Brakes)

300 lbs. Load Capacity Per Caster

For brakes on all wheels (Enclosed Base Casters) -
Add price to models: TA-255P or TA-255AP

TA-255PB

Contact Our SMART FABRICATION™ Department for more information at 800-645-3166
or email in your specifications to smartfab@advancetabco.com



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

REF-K 200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

© ADVANCE TABCO, AUGUST 2018

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Submittal Sheet

ITEM# 31 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 32 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 33 - KETTLE, GAS, TILTING (1 EA REQ'D)

NIC KGL40T

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Cleveland - Model KGL-40-T

Kettle, gas, tilting, 40-gallon capacity, 2/3 steam jacket design, 316 stainless steel interior, floor mounted control console supports, 304 stainless steel construction, flanged feet, 50 psi rating, electronic spark ignition, cover & draw-off optional, 140,000 BTU

ACCESSORIES

Mfr	Qty	Model	Spec
Cleveland	1		Natural Gas (specify altitude if over 2000 feet)
Cleveland	1		120v/60/1-ph, 10.0 amps, electronic spark ignition, cord & plug for controls, standard
Cleveland	1		Standard controls, temperature control dial, LED ON indicator light, main power switch with standard and high power setting, standard
Cleveland	1	TD2	2" tangent draw-off valve with strainer
Cleveland	1	CHS40	Spring-assisted cover (40 gallon)

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug			10.0				

GAS

	SIZE	MBTU	KW
1	3/4"	140.0	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (min)	PSIG (max)
1					



LEG TYPE, GAS-FIRED KETTLES

"SPLASH PROOF SERIES" 40, 60, OR 80 GALLONS (150, 225, OR 300 LITERS)

SHORT SERIES™ GAS-FIRED KETTLE

38" RIM HEIGHT, "SPLASH PROOF SERIES" 40 GALLONS (150 LITERS)

Project _____
 Item _____
 Quantity _____
 FCSI Section 11400 _____
 Approved _____
 Date _____

Gas Kettles

Models

- KGL-40-T • KGL-80-T. • KGL-60-T



Shown with optional Spring Assisted Cover and 2" Tangent Draw-Off Valve

Short Form Specifications

Shall be CLEVELAND, Gas-Fired Tilting Kettle, Model KGL- ____ T; ____ gallons, 2/3 Steam Jacketed, Power Burner Heating System, Insulated Heat Exchanger, 50 psi Steam Jacket Rating. Infinite Variable Temperature Control, L.E.D. indicators for Heat Cycle and Low Water Warning, Automatic Ignition System.

- KGL-40-TSH



Shown with optional Spring Assisted Cover and 2" Tangent Draw-Off Valve

Short Form Specifications

Cleveland Gas-Fired Tilting Kettle, Model KGL-40-TSH, 37 1/2" rim height, Type 304 Stainless Steel and Supports, Fully Steam Jacketed, 50 psi Steam Jacket Rating, 140,000 BTU Double Pass Steam Generator, Power Burner System, Splash Proof Solid State Temperature Controls, Automatic Hot-Surface Ignition System.

Standard Features

- High efficiency Power Burner Heating System (62% to 65% efficiency)
- Fast Heat-up and Recovery Time, 140M BTU's on 40 gallon models, 190M BTU's on 60 gallon and larger
- Insulated Heat Exchanger
- Automatic Hot Surface Ignition System
- Steam Jacket permanently filled with treated, distilled water. Venting and/or refilling not required.
- Splash-proof Solid State Controls, for Temperature and Low Water Safety, in a plug-in Control Module
- Control Panel includes:
 - Precise, consistent temperature control: less than $\pm 1^{\circ}\text{C}$ variance (ideal for simmering).
 - L.E.D. Indicators for Heat Cycle and Low Water Warning.
 - Power "on/off" Switch
- Front mounted combination Pressure/Vacuum Gauge
- Type 304 Stainless Steel with #4 finish on kettle and supports
- Tilt Mechanism of roller bearings and case hardened self-locking worm and segment gear
- Support Legs with level adjustable feet, flanged for floor bolting
- Large pouring lip for easier, faster, pouring. Heavy-duty Rolled Rim design provides strong reinforcement, prevents damages from abuse
- 50 psi Steam Jacket Rating and Safety Valve
- Standard voltage is 115 volts, 60 Hz, single-phase, supplied with cord and plug
- Standard for natural gas operation
- Typical approvals include AGA, CSA, CE, NSF and ASME

Options & Accessories

- Type 316 Stainless Steel Kettle Liner for high acid food products (316)
- Pan Carrier (PCK)
- Flow Diverter (FD)
- Food Strainer (FS)
- Kettle Markings (KM)
- Cooking Baskets and Tri-Basket Supports (BS and TBS)
- Drain Strainers (DS-)
- Faucet Mounting Bracket (FBKT)
- 2" or 3" diameter Tangent Draw-Off Valve with Drain Strainer (TD2 or TD3*), *TD3 for 60 and 80 gallon only and will raise height of kettle by 5-5/8" (143mm)
- 3" diameter Butterfly Valve (BV3)
- Spring-assisted, hinged, rotatable, domed Stainless Steel Cover (CHS-)
- Hot and Cold Water Faucet with Swing Spout (DPK)
- Kettle Accessory Kit (KAK) includes:
 - Clean-up Brush (CB)
 - 36" Kettle Paddle (KP)
 - 36" Kettle Whip (KW)
 - 36" Kettle Brush
 - Draw-Off Brush (DB)
 - 24 oz. Ladle (KL)
- Automatic Water Meter (GMF or LMF)
- Measuring Strip (MS)
- Option for Propane Gas operation
- Correctional Package
- Heat Deflector Shield (HS001)

KE004046-73

1830 DZILTH-NA-O-DITH-HLE
 CLEVELAND COMMUNITY SCHOOL
 Tel 1.216.481.4900
 Fax 1.216.481.3782
 Email steam@clevelandrange.com

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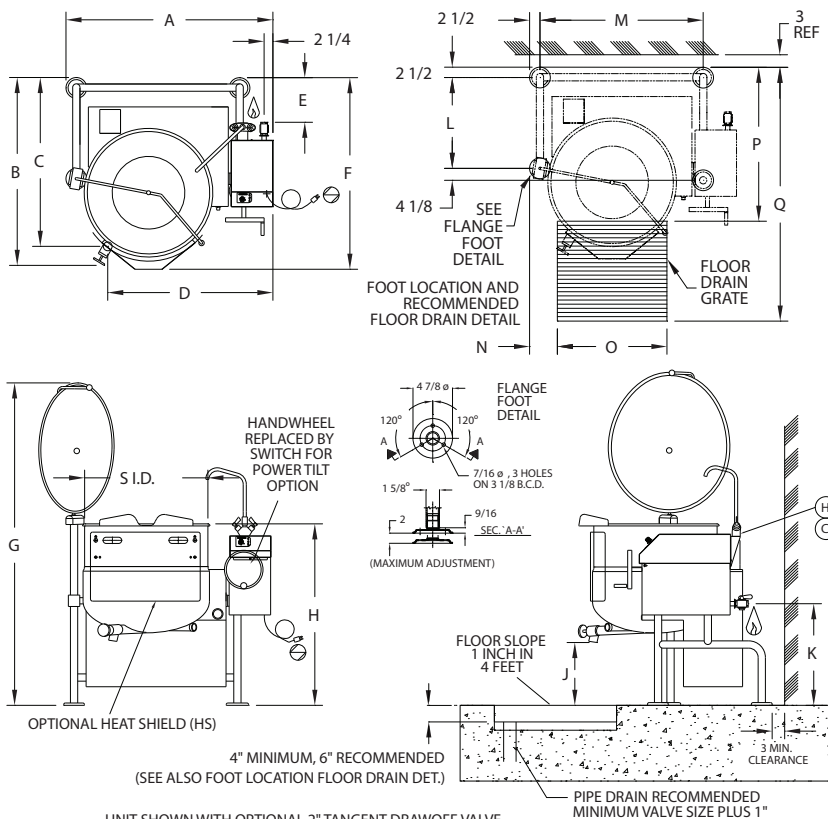




MODEL	VALVE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S I.D.	T
KGL-40-T	NONE		N/A	N/A	N/A			71	40 1/2	N/A	23 1/4			5 1/2	25					
	TD-2		42 1/2	38	35			76	45 5/8	15 1/2				4 1/2	25 3/4					
	TD-3		47 1/2	39 3/8	35 3/4			76	45 5/8	19	28 3/8	19	35 3/4	3 5/8	26 1/2	33	63	N/A	26	N/A
	BV-3					9	42 1/4	71	40 1/2	12 1/2	23 1/4			5 1/2	25			19		6 1/2
KGL-60-T	FPVA-3	45 3/4	N/A	N/A	N/A			71	40 1/2	14										
	NONE		N/A	N/A	N/A			75	43 3/4	N/A	24 1/2			6	27 1/2					
	TD-2		46	41 1/2	37			80	48 1/8	18	28 7/8	22	39 3/8	5	28 1/2	37	68	N/A	29 1/2	N/A
	TD-3	49 3/8	51	43	38	11 3/4	47 1/4	80	48 1/8	18	28 7/8	22	39 3/8	5	28 1/2	37	68	N/A	29 1/2	N/A
KGL-80-T	FPVA-3		N/A	N/A	N/A			75	43 3/4	14	24 1/2			6	27 1/2			22		7 3/4
	NONE		N/A	N/A	N/A			78	44 3/4	14	25			6 1/2	30					
	TD-2		49	44 1/2	39			82	48 7/8	16 1/2	29 1/8	25	43	6	30 3/8	40	72	N/A	33	N/A
	TD-3	53	54 3/8	46 1/4	40 1/4	14 3/4	51	82	48 7/8	16 1/2	29 1/8	25	43	6	30 3/8	40	72	N/A	33	N/A
KGL-40-TSH	BV-3		N/A	N/A	N/A			78	44 3/4	11 3/4	25			6 1/2	30			24		9
	FPVA-3		N/A	N/A	N/A			80	46 1/4	14	26 1/2									
	NONE		N/A	N/A	N/A			67 7/8	36 5/8	N/A	24 1/2			6	27 1/2					
	TD-2		46	41 1/2	37			72 7/8	41	18	28 7/8	22	39 3/8	5	28 1/2	37	68	N/A	29 1/2	N/A
KGL-40-TSH	TD-3	49 3/8	51	43	38	11 3/4	47 1/4	72 7/8	41	18	28 7/8	22	39 3/8	5	28 1/2	37	68	N/A	29 1/2	N/A
	FPVA-3		N/A	N/A	N/A			67 7/8	36 5/8	12 3/4	24 1/2			6	27 1/2			22		7 3/4

LEGEND: TD-2 = 2" TANGENT DRAWOFF VALVE, TD-3 = 3" TANGENT DRAWOFF VALVE, BV-3 = 3" BUTTERFLY VALVE, FPVA-3 = 3" AIR VALVE

ALL DIMENSIONS IN INCHES.



SPECIFICATIONS:

MODEL	ELECTRICAL SUPPLY:				GAS SUPPLY: (PIPING 3/4 NPT)				APPROVALS				CLEARANCE:	SHIPPING WEIGHT
	VOLTS	PHASE	AMPS	FREQ	TYPE	BTU RATING	WATER COLUMN	BTU PER CU. FT.	SUPPLY PRESSURE	AGA	CGA	CE MARK	NSF	
KGL-40-T	120	1	10	60	NAT	140,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	RIGHT: 0 inches LEFT: 0 inches REAR: 3 inches ALLOW 12" SPACE MINIMUM ON RIGHT SIDE FOR SERVICE
	120	1	10	60	LP	140,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓	
	220	1	5	50	NAT	140,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	
	220	1	5	50	LP	140,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓	
KGL-60-T	120	1	10	60	NAT	190,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	KGL-60-T 600 LBS.
	120	1	10	60	LP	190,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓	
KGL-80-T	120	1	10	60	NAT	190,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	KGL-80-T 630 LBS.
	220	1	5	50	LP	190,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓	

NOTES:

1. MANUFACTURER MUST BE NOTIFIED IF UNIT WILL BE OPERATING ABOVE 2,000 FOOT ALTITUDE.
2. CONSULT FACTORY FOR MANUFACTURED GAS.
3. ALL VERTICAL DIMENSIONS SHOWN ARE MINIMUM. FEET ARE ADJUSTABLE TO 1 INCH MAXIMUM.
4. UNIT COMES WITH 6' POWER CORD.

NOTES:

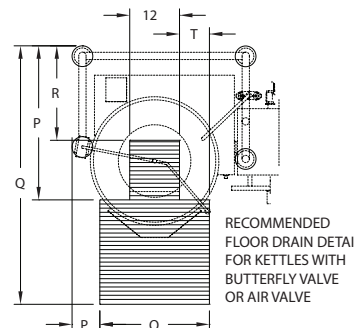
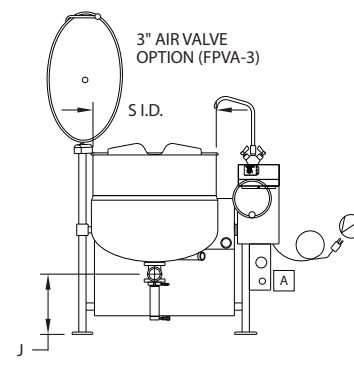
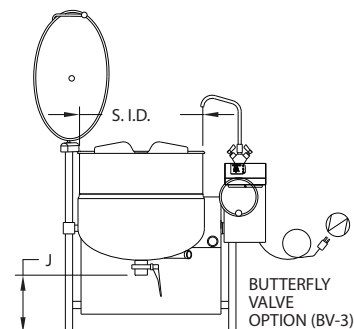
Cleveland Range reserves right of design improvement or modification, as warranted.
Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes.
Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are U.L./NSF4 and CSA (AGA, CGA).

CAPACITIES: (in 8 oz. servings, other sizes may be calculated)
40 Gallon / 150 liters . . . 640 servings
60 Gallon / 225 liters . . . 960 servings
80 Gallon / 300 liters . . . 1280 servings

T.D. VALVE OPTIONS

VALVE	CLEARANCE REDUCTION
TD-2N	1 3/4
TD-3N	2 1/2
TD-2A	1/2
TD-3A	1 3/4

FOR VALVES WITH ACME THREADS (TD-2A, TD-3A) AND NPT THREADS (TD-2N, TD-3N) REDUCE CLEARANCE BETWEEN VALVE OPENING AND FLOOR BY AMOUNT SHOWN.



WARNING: TO PREVENT INJURY KETTLE MUST BE BOLTED TO FLOOR.

- A AIR: PIPING: 1/2 NPT
PRESSURE: 90-100 PSI
FLOW RATE: 5 CU. FT PER MIN.
- C COLD WATER: H HOT WATER:
PIPING: 1/2" NPT (DOUBLE)
PIPING: 3/8" COPPER TUBE (SINGLE)

(NOT TO SCALE)

Gas Kettles

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Tel 1.216.481.4900
Fax 1.216.481.3782
Email steam@clevelandrange.com

www.clevelandrange.com
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10 / 2018



Submittal Sheet**ITEM# 33.1 - BLUE HOSE GAS CONNECTOR KIT (1 KT REQ'D)**

Dormont 1675KITCF2S48

Dormont Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, and coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity, limited lifetime warranty

Contractor _____
Approval _____
Contractor's P.O. No. _____
Representative _____
SKU _____

Swivel MAX®
Multi-plane
Rotation Fitting



Double Swivel MAX® with Safety Quik® Quick-Disconnect Valve Deluxe Kit Assembly

Ordering Information

		LENGTH				
Configuration	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
Deluxe Kit*	½" (15mm)	1650KITCF2S24	1650KITCF2S36	1650KITCF2S48	1650KITCF2S60	1650KITCF2S72
Hose Assembly**		1650BPCF2S24	1650BPCF2S36	1650BPCF2S48	1650BPCF2S60	1650BPCF2S72
Deluxe Kit*	¾" (20mm)	1675KITCF2S24	1675KITCF2S36	1675KITCF2S48	1675KITCF2S60	1675KITCF2S72
Hose Assembly**		1675BPCF2S24	1675BPCF2S36	1675BPCF2S48	1675BPCF2S60	1675BPCF2S72
Deluxe Kit*	1" (25mm)	16100KITCF2S24	16100KITCF2S36	16100KITCF2S48	16100KITCF2S60	16100KITCF2S72
Hose Assembly**		16100BPCF2S24	16100BPCF2S36	16100BPCF2S48	16100BPCF2S60	16100BPCF2S72

BTU/hr Flow Capacity Natural Gas (Flow rating BTU/hr 0.64 SP. GR. @ 0.5 inch WC pressure drop)

		LENGTH				
Model	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
1650BPCF2S	½" (15mm)	77,000	69,000	60,000	54,000	48,000
1675BPCF2S	¾" (20mm)	205,000	193,000	160,000	140,000	124,000
16100BPCF2S	1" (25mm)	366,000	336,000	295,000	261,000	247,000

***Deluxe Kits include:** The Dormont Blue Hose, Double Swivel MAX, Safety Quik, restraining device

****Hose Assembly include:** The Dormont Blue Hose, Double Swivel Max, Safety Quik

Typical Installation



The Dormont Blue Hose™

The Dormont Blue Hose is a commercial, moveable-grade gas connector designed for use with moveable equipment.

Moveable equipment is defined in ANSI Standard Z21.69/CSA 6.16 as gas utilization equipment that may be mounted on casters or otherwise be subject to movement.



SwivelMAX

- Reduces stress on connector
- Increases kitchen aisle space by allowing connector to be positioned closer to the wall



Safety Quik

- Prevents user from turning on gas while appliance is disconnected
- Thermal shutoff within a temperature range of 250°F - 300°F (121°C - 149°C)



Restraining Device

- ANSI Z21.69 Standard section 1.7.4 states: Connectors when used on caster-mounted equipment shall be installed with a restraining device, which prevents transmission of the strain to the connector



We guarantee our commercial gas connectors for the life of the original appliance to which it is connected.

Dormont®
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

A Watts Water Technologies Company

ES-D-DBLSwivelSafetyQuik 1404



**ISO 9001-2008
CERTIFIED**

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Submittal Sheet**ITEM# 34 - FLOOR TROUGH (1 EA REQ'D)**

Advance Tabco FTG-2430

Floor Trough, 30"W x 24"D x 4" deep, 14 gauge 304 stainless steel, includes stainless steel subway grating constructed from 3/16" x 1" bars, removable stainless steel strainer basket, 4" O.D. waste pipe 3"L, pitched towards waste, NSF

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		4"



STAINLESS STEEL

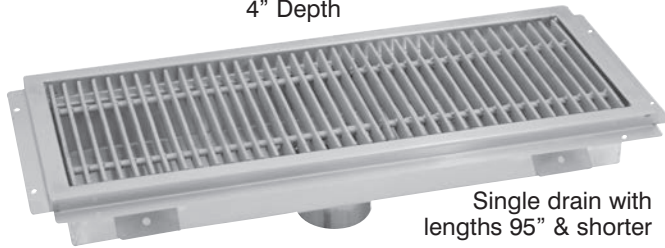
FLOOR TROUGHS & FLOOR DRAINS



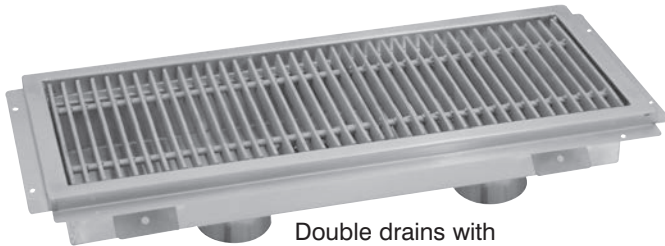
Item #: _____ Qty #: _____
 Model #: _____
 Project #: _____

Floor Troughs

4" Depth



Single drain with lengths 95" & shorter



Double drains with lengths 96" & longer

Floor Water Receptacles

2" Depth



Cut-Out View of Anti-Splash

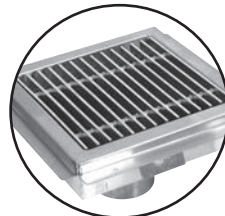
FT-1
 Optional Anti-Splash Guard
 (Per ft. Factory installed)



FT-2
 Stainless Steel Strainer Basket
 with Handle (Included with all Floor Troughs,
 Water Receptacles & Floor Drains)

Floor Drain

4" Depth



FD-1
 Optional Stainless Steel
 Grate for Floor Drains

OPTIONAL ACCESSORIES

Model #	Description	QTY
FT-1	Anti-Splash Guard (Per Ft.)	
FT-2	Replacement Strainer Basket	
FT-3	Modify Trough Depth (2" - 6" Deep. Per Ft.)	
FT-4	Modify Drain Hole Outlet Size (Allow 2" to 8" Dia.)	
FT-5	Grate Upgrade to A.D.A. Compliant (7/16 Gap. Per Ft.)	
FD-1	Floor Drain Stainless Steel Grate	

FEATURES:

Waste receptacle will accommodate up to a 4" waste pipe.

Includes 4" O.D. - 3" Long Plumbing Sleeve.

Removable perforated stainless steel strainer basket with handle provided.

Pitched towards waste.

Gratings Available:

FTG Series: Stainless Steel "Subway Style" grating from 3/16" x 1" solid "304" stainless steel bar. (Not included with Floor Drains. Use Model FD-1). Grating is spaced 9/16" (Inside clearance) between bars.

FFTG Series: Fiberglass "Subway Style" Grating from 5/8" x 1" Polyester Resin (SPF). Grating is spaced 7/8" (Inside clearance) between bars.

Troughs 96" or larger in length made with two (2) drains.

Custom sizes available. Consult factory.

CONSTRUCTION:

All TIG welded.

All external corners welded and polished to a satin finish.

MECHANICAL:

Creased design to ensure proper drainage.

Perimeter flange mounts directly to sub floor.

3/4" vertical step designed to accommodate floor tile installation.

MATERIAL:

14 gauge "304" type stainless steel polished stainless steel grating.

Stainless Steel Grating: "304" stainless steel.

Fiberglass grating: Gray fiberglass composite. Light weight, skid and corrosion resistant.



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 7:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

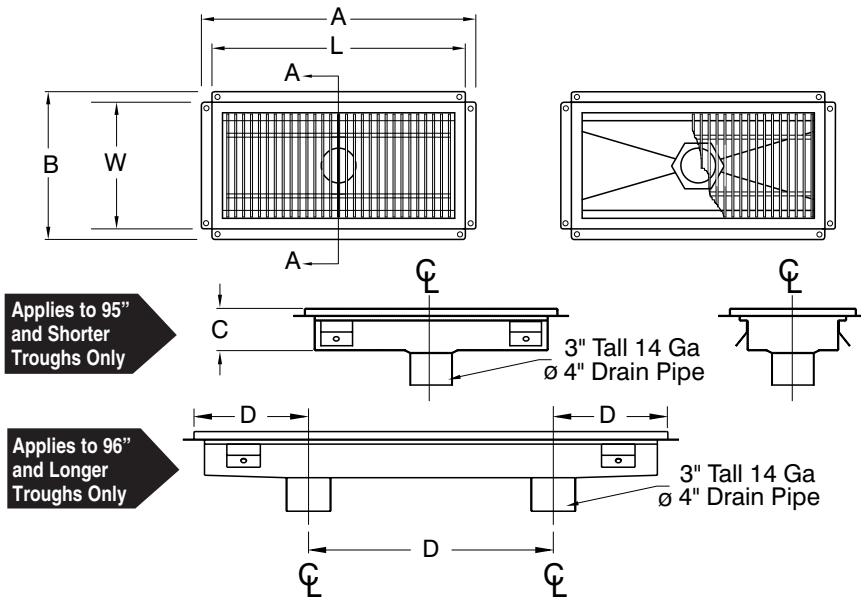
For Smart Fabrication™ Quotes:

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DIMENSIONS and SPECIFICATIONS

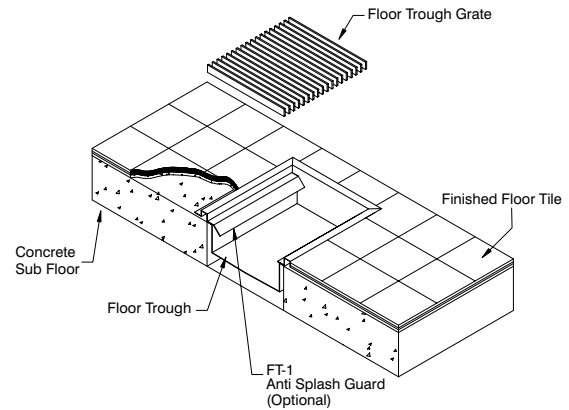
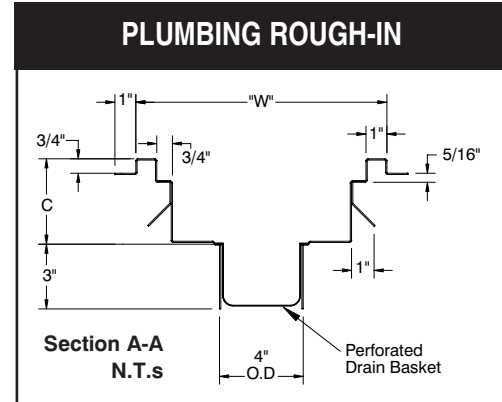
ALL DIMENSIONS ARE TYPICAL

TOL ± .500"



FLOOR TROUGHS

Stainless Steel Grating	Wt.	Fiberglass Grating	Wt.	L	W	A	B	C	D
FTG-1224	46 lbs.	FFTG-1224	34 lbs.	24"	12"	26"	14"	4"	-
FTG-1230	56 lbs.	FFTG-1230	37 lbs.	30"	12"	32"	14"	4"	-
FTG-1236	66 lbs.	FFTG-1236	40 lbs.	36"	12"	38"	14"	4"	-
FTG-1242	76 lbs.	FFTG-1242	43 lbs.	42"	12"	44"	14"	4"	-
FTG-1248	86 lbs.	FFTG-1248	46 lbs.	48"	12"	50"	14"	4"	-
FTG-1254	96 lbs.	FFTG-1254	49 lbs.	54"	12"	56"	14"	4"	-
FTG-1260	106 lbs.	FFTG-1260	52 lbs.	60"	12"	62"	14"	4"	-
FTG-1272	116 lbs.	FFTG-1272	55 lbs.	72"	12"	74"	14"	4"	-
FTG-1284	126 lbs.	FFTG-1284	81 lbs.	84"	12"	86"	14"	4"	-
FTG-1296*	146 lbs.	FFTG-1296	90 lbs.	96"	12"	98"	14"	4"	32"
FTG-12108*	166 lbs.	FFTG-12108	99 lbs.	108"	12"	110"	14"	4"	36"
FTG-12120*	180 lbs.	FFTG-12120	108 lbs.	120"	12"	122"	14"	4"	40"
FTG-1824	62 lbs.	FFTG-1824	43 lbs.	24"	18"	26"	20"	4"	-
FTG-1830	74 lbs.	FFTG-1830	47 lbs.	30"	18"	32"	20"	4"	-
FTG-1836	86 lbs.	FFTG-1836	54 lbs.	36"	18"	38"	20"	4"	-
FTG-1842	98 lbs.	FFTG-1842	61 lbs.	42"	18"	44"	20"	4"	-
FTG-1848	110 lbs.	FFTG-1848	69 lbs.	48"	18"	50"	20"	4"	-
FTG-1854	122 lbs.	FFTG-1854	76 lbs.	54"	18"	56"	20"	4"	-
FTG-1860	134 lbs.	FFTG-1860	83 lbs.	60"	18"	62"	20"	4"	-
FTG-1872	146 lbs.	FFTG-1872	90 lbs.	72"	18"	74"	20"	4"	-
FTG-1884	165 lbs.	FFTG-1884	111 lbs.	84"	18"	86"	20"	4"	-
FTG-1896*	187 lbs.	FFTG-1896	125 lbs.	96"	18"	98"	20"	4"	32"
FTG-18108*	208 lbs.	FFTG-18108	138 lbs.	108"	18"	110"	20"	4"	36"
FTG-18120*	229 lbs.	FFTG-18120	150 lbs.	120"	18"	122"	20"	4"	40"
FTG-2424	69 lbs.	FFTG-2424	52 lbs.	24"	24"	26"	26"	4"	-
FTG-2430	81 lbs.	FFTG-2430	59 lbs.	30"	24"	32"	26"	4"	-
FTG-2436	104 lbs.	FFTG-2436	68 lbs.	36"	24"	38"	26"	4"	-
FTG-2442	118 lbs.	FFTG-2442	75 lbs.	42"	24"	44"	26"	4"	-
FTG-2448	131 lbs.	FFTG-2448	83 lbs.	48"	24"	50"	26"	4"	-
FTG-2454	145 lbs.	FFTG-2454	95 lbs.	54"	24"	56"	26"	4"	-
FTG-2460	162 lbs.	FFTG-2460	102 lbs.	60"	24"	62"	26"	4"	-
FTG-2472	195 lbs.	FFTG-2472	119 lbs.	72"	24"	74"	26"	4"	-
FTG-2484	218 lbs.	FFTG-2484	137 lbs.	84"	24"	86"	26"	4"	-
FTG-2496*	243 lbs.	FFTG-2496	153 lbs.	96"	24"	98"	26"	4"	32"
FTG-24108*	274 lbs.	FFTG-24108	168 lbs.	108"	24"	110"	26"	4"	36"
FTG-24120*	310 lbs.	FFTG-24120	188 lbs.	120"	24"	122"	26"	4"	40"



FLOOR DRAINS

Model #	Length	Width	A	B	C	Wt.
FDR-1212	12"	12"	14"	14"	4"	26 lbs.

FLOOR WATER RECEPTACLES (2" Depth)

Model #	Length	Width	A	B	C	Wt.
FRG-24	24"	12"	26"	14"	2"	44 lbs.
FRG-36	36"	12"	38"	14"	2"	63 lbs.
FRG-48	48"	12"	50"	14"	2"	82 lbs.

**CUSTOM SIZES
AVAILABLE!**

*Troughs 96" or larger in length made with two (2) drains.

Submittal Sheet

ITEM# 35 - CONVECTION STEAMER, GAS (1 EA REQ'D)

NIC C24GA6

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Vulcan - Model C24GA6

Convection Steamer, Gas, 2 compartments on 24" cabinet base, (6) 12" x 20" x 2-1/2" deep total pan capacity, high output stainless steel steam generator with Timed Smart Drain & PowerFlush, staged water fill, professional controls with 60 minute timer, buzzer for each compartment, and constant steam feature, split water line, stainless steel interior, exterior, frame & flanged feet, 125,000 BTU, CSA Flame, CSA Star, UL EPH Classified

ACCESSORIES

Mfr	Qty	Model	Spec
Vulcan	1		1 year limited parts & labor warranty, standard
Vulcan	1		Natural gas (specify elevation if over 2,000 ft.)
Vulcan	1		120v/60/1-ph with ground, 300w, 2.0 amps, with 6 foot power cord & 3-prong plug, standard

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug			2.0	.3			

GAS

	SIZE	MBTU	KW
1	3/4"	125.0	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (min)	PSIG (max)
1					

S T E A M

VULCAN**C24GA SERIES
GAS CONVECTION STEAMER
ON CABINET BASE**

Model C24GA10



ANSI/NSF Standard #4

SPECIFICATIONS

Two compartment gas convection steamer on cabinet base. Stainless steel exterior. Two stainless steel cooking compartments with coved interior corners. Steam delivered from the 125,000 BTU/hr. high output stainless steel steam generator with staged water fill. Separate 60 minute timer and power switch with constant steam feature for each compartment. Heavy duty doors and door latch mechanisms. Stainless steel water resistant enclosed cabinet base. 6" adjustable stainless steel legs with flanged feet. 3/4" rear gas connection and gas pressure regulator. Requires 120/60/1 power supply, 2.0 amps maximum draw, with 6 foot power cord and 3 prong plug. Split water line connection. Treated and untreated water connections. 1 1/2" NPT drain connection.

Exterior Dimensions:

6 pan: 24"w x 35.5"d x 59"h on 6" legs.

10 pan: 24"w x 35.5"d x 72"h on 6" legs.

CSA design certified. Certified to NSF Standard #4.

SPECIFY TYPE OF GAS WHEN ORDERING.

- ☐ **C24GA6** 6 pan capacity
☐ **C24GA10** 10 pan capacity

STANDARD FEATURES

- Stainless steel exterior.
- Two stainless steel cooking compartments with coved interior corners.
- 125,000 BTU/hr. stainless steel steam generator with staged water fill.
- Separate 60 minute timer with constant steam feature for each compartment and illuminated power switch for each compartment.
- Heavy duty doors and door latch mechanisms.
- Ready/Cook indicators.
- Stainless steel water resistant enclosed cabinet base.
- 6" adjustable stainless steel legs with flanged feet.
- 3/4" rear gas connection and gas pressure regulator.
- Elevation from sea level to 8,999 feet standard.
- Requires 120/60/1 power supply, 2.0 amps maximum draw.
- Split water line connection. Treated and untreated water connections. 1 1/2" NPT drain connection.
- One year limited parts and labor warranty.

OPTIONS

- ☐ PowerSteam™ includes Superheated Steam System. 235°F cooking temperatures.
- ☐ Second year extended limited parts and labor warranty contract.
- ☐ Steamer Security Package, includes controls protected by lockable cover, perforated flue cover, security fasteners & tack-welds.

ACCESSORIES (Packaged & Sold Separately)

- ☐ Stainless steel pan cover. Qty. ____.
- ☐ Removable sliding shelf. Qty. ____.
- ☐ Water treatment system.

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S T E A M

VULCAN

C24GA SERIES GAS CONVECTION STEAMER ON CABINET BASE

SERVICE CONNECTIONS:

-  Unless otherwise specified, Field Wire Electrical Connection to be 120/60/1 with grounding wire. Maximum amps 2.0.
-  **DRAIN:** Condenser box, compartment and generator, 1½" NPT. (Provide an open air gap type drain within 12" of condenser box and for best results at a distance so steam vapors will not enter the steamer from underneath the control area. Do not connect solidly to any drain connection.)
-  **GAS CONNECTION:** ¾" NPT. O.D. supply line required.
-  **GENERATOR WATER SUPPLY:** ¾" Hose Bib fitting at 20-60 PSI (138-414 kPa) treated water.
-  **CONDENSING WATER SUPPLY:** ¾" Hose Bib fitting at 20-60 PSI (138-414 kPa) untreated water.

WATER QUALITY STATEMENT:

The fact that a water supply is potable is no guarantee that it is suitable for steam generation. Your water supply must be within these general guidelines:

SUPPLY PRESSURE	20 - 60 psig
HARDNESS*	less than 3 grains
SILICA	less than 13 ppm
TOTAL CHLORIDE	less than 4.0 ppm
pH RANGE	7-8
UN-DISSOLVED SOLIDS	less than 5 microns
* 17.1 ppm = 1 grain of hardness	

Other factors affecting steam generation are iron content, amount of chlorination and dissolved gases. Water supplies vary from state to state and from locations within a state. Therefore it is necessary that the local water treatment specialist be consulted before the installation of any steam generating equipment

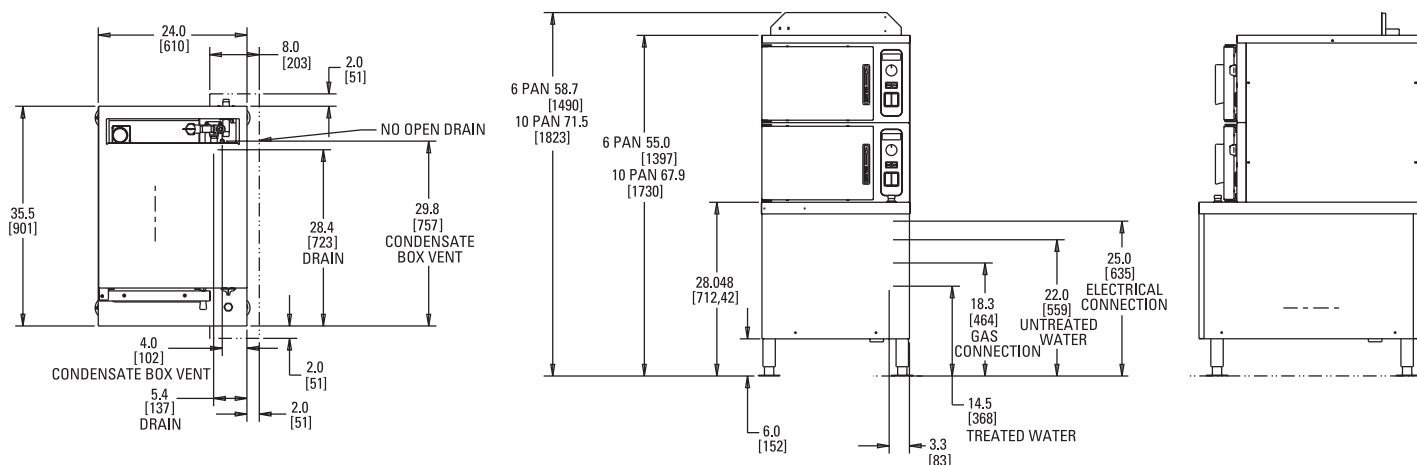
COMPARTMENT PAN CAPACITY				
MODEL	1"	2½"	4"	6"
C24GA6	6	3	2	1
C24GA10	10	5	3	2

IMPORTANT:

- A combination valve with pressure regulator is provided with this unit. Supply gas pressure should be a minimum: Natural gas 5" - 10.5" W.C., propane gas 11" - 13" W.C.
 - Gas line connecting to unit must be ¾" or larger. If flexible connectors are used, the inside diameter must be at least the same as the ¾" iron pipe.
 - An adequate ventilation system is required for commercial cooking equipment. Information may be obtained by writing to the National Fire Protection Association, Batterymarch Park, Quincy, MA 02289. When writing, refer to NFPA No. 96.
 - These units are manufactured for installation in accordance with ANSZ223.1A (latest edition), National Fuel Gas Code. Copies may be obtained from the American Gas Association, 1515 Wilson Blvd., Arlington, VA 22209.
- | 5. Clearance: | Combustible | Non-Combustible |
|---------------|-------------|-----------------|
| Rear | 6" | 0" |
| Left Side | 0" | 0" |
| Right Side | 0" | 0" |

NOTE:

- Dimensions which locate the above connections have a tolerance of + or - 3" (+ or - 75mm). Normal dimensions are in inches. Dimensions in () are in millimeters.
- Installation of backflow preventer's, vacuum breakers and other specific code requirements is the responsibility of the owner and installer. It is the responsibility of the owner and installer to comply with local codes.
- Do not use plastic drains.
- Do not connect this unit to a ground-fault circuit-interrupter (GFCI) 125-volt, single-phase, 15- and 20-ampere receptacle. Electronic burner ignition systems are prone to nuisance tripping and possible ignition failure.
- This appliance is manufactured for commercial installation only and is not intended for home use.



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Quote & Order Fax: 1-800-444-0602

NOTE: In line with its policy to continually improve its products, Vulcan reserves the right to change materials and specifications without notice.

Submittal Sheet**ITEM# 35.1 - BLUE HOSE GAS CONNECTOR KIT (1 KT REQ'D)**

Dormont 1675KITCF2S48

Dormont Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, and coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity, limited lifetime warranty

Contractor _____
Approval _____
Contractor's P.O. No. _____
Representative _____
SKU _____

Swivel MAX®
Multi-plane
Rotation Fitting



Double Swivel MAX® with Safety Quik® Quick-Disconnect Valve Deluxe Kit Assembly

Ordering Information

		LENGTH				
Configuration	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
Deluxe Kit*	½" (15mm)	1650KITCF2S24	1650KITCF2S36	1650KITCF2S48	1650KITCF2S60	1650KITCF2S72
Hose Assembly**		1650BPCF2S24	1650BPCF2S36	1650BPCF2S48	1650BPCF2S60	1650BPCF2S72
Deluxe Kit*	¾" (20mm)	1675KITCF2S24	1675KITCF2S36	1675KITCF2S48	1675KITCF2S60	1675KITCF2S72
Hose Assembly**		1675BPCF2S24	1675BPCF2S36	1675BPCF2S48	1675BPCF2S60	1675BPCF2S72
Deluxe Kit*	1" (25mm)	16100KITCF2S24	16100KITCF2S36	16100KITCF2S48	16100KITCF2S60	16100KITCF2S72
Hose Assembly**		16100BPCF2S24	16100BPCF2S36	16100BPCF2S48	16100BPCF2S60	16100BPCF2S72

BTU/hr Flow Capacity Natural Gas (Flow rating BTU/hr 0.64 SP. GR. @ 0.5 inch WC pressure drop)

		LENGTH				
Model	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
1650BPCF2S	½" (15mm)	77,000	69,000	60,000	54,000	48,000
1675BPCF2S	¾" (20mm)	205,000	193,000	160,000	140,000	124,000
16100BPCF2S	1" (25mm)	366,000	336,000	295,000	261,000	247,000

***Deluxe Kits include:** The Dormont Blue Hose, Double Swivel MAX, Safety Quik, restraining device

****Hose Assembly include:** The Dormont Blue Hose, Double Swivel Max, Safety Quik

Typical Installation



The Dormont Blue Hose™

The Dormont Blue Hose is a commercial, moveable-grade gas connector designed for use with moveable equipment.

Moveable equipment is defined in ANSI Standard Z21.69/CSA 6.16 as gas utilization equipment that may be mounted on casters or otherwise be subject to movement.



SwivelMAX®

- Reduces stress on connector
- Increases kitchen aisle space by allowing connector to be positioned closer to the wall



Safety Quik®

- Prevents user from turning on gas while appliance is disconnected
- Thermal shutoff within a temperature range of 250°F - 300°F (121°C - 149°C)



Restraining Device

- ANSI Z21.69 Standard section 1.7.4 states: Connectors when used on caster-mounted equipment shall be installed with a restraining device, which prevents transmission of the strain to the connector



We guarantee our commercial gas connectors for the life of the original appliance to which it is connected.

Dormont®
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COMMUNITY SCHOOL

A Watts Water Technologies Company
ES-D-DBLSwivelSafetyQuik 1404



**ISO 9001-2008
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Submittal Sheet

ITEM# 36 - CONVECTION OVEN, GAS (1 EA REQ'D)

NIC VC44GD

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Vulcan - Model VC44DG (Dbl)

Convection Oven, gas, double-deck, standard depth, solid state controls, electronic spark igniters, 60 minute timer, (5) nickel plated racks per oven, 8" high legs, stainless steel front, top and sides, stainless steel doors with windows, (2) 50,000 BTU, NSF, CSA Star, CSA Flame, ENERGY STAR®

ACCESSORIES

Mfr	Qty	Model	Spec
Vulcan	1		Natural gas (specify elevation if over 2,000 ft.)
Vulcan	1		(2) 120v/60/1-ph, 15.4 amps total, (2) 6' cords with plugs, standard
Vulcan	1		Stainless steel legs, standard

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug			7.7				
2	120	60	1	Cord & Plug			7.7				

GAS

	SIZE	MBTU	KW
1	3/4"	100	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (min)	PSIG (max)
1					

OVENS

VULCAN**VC44G SERIES
DOUBLE DECK GAS CONVECTION OVENS**

Model VC44GD
shown with optional casters

**SPECIFICATIONS**

Double section gas convection oven, Vulcan-Hart Model No. (VC44GD) (VC44GC). Stainless steel front, sides, top and legs. Independently operated stainless steel doors with double pane windows. Non-sag insulation applied to the top, rear, sides, bottom and doors. Porcelain enamel on steel oven interiors measures 29"w x 22 $\frac{1}{8}$ "d x 20"h. Two interior oven lights per section. Five nickel plated oven racks per section measure 28 $\frac{1}{4}$ " x 20 $\frac{1}{2}$ ". Eleven position nickel plated rack guides with positive rack stops. One 50,000 BTU/hr. burner per section. 100,000 total BTU/hr. Electronic spark igniters. Furnished with a two speed $\frac{1}{2}$ H.P. oven blower-motor per section. Oven cool switch for rapid cool down. 120 volt, 60 Hz, 1 ph power supply required. 6' cord and plug. 7.7 amps total draw per section.

Exterior Dimensions:

40 $\frac{1}{4}$ "w x 41 $\frac{1}{8}$ "d (includes motor & door handles) 37 $\frac{3}{4}$ "d (includes motor only) x 70"h on 8" legs.

CSA design certified. NSF listed.

SPECIFY TYPE OF GAS WHEN ORDERING.
SPECIFY ALTITUDE WHEN ABOVE 2,000 FT.

- ☐ **VC44GD** Solid state temperature controls adjust from 150° to 500°F. 60 minute timer with audible alarm.
- ☐ **VC44GC** Computer controls with digital time and temperature readouts. 99-hour timer with audible alarm. Roast and Hold cycle. One hundred programmable menu selections. Shelf I.D. programming.

Double deck ovens are supplied as separate units with a stacking kit.

STANDARD FEATURES

- Stainless steel front, sides, top and legs.
- Independently operated stainless steel doors with double pane windows.
- 50,000 BTU/hr. burner per section, 100,000 BTU/hr. total.
- Electronic spark igniters.
- $\frac{1}{2}$ H.P. two speed oven blower-motor. 120/60/1 with 6' cord and plug. 7.7 amps per section. 15.4 amps total draw.
- Oven cool switch for rapid cool down.
- Porcelain enamel on steel oven interior.
- Five nickel plated oven racks with eleven rack positions per section.
- $\frac{3}{4}$ " rear gas connection with combination gas pressure regulator and safety solenoid system.
- One year limited parts and labor warranty.

OPTIONS

- ☐ Kosher friendly control package.
- ☐ Complete prison package.
 - ☐ Security screws only.
- ☐ 208V or 240V, 60 Hz, 1 ph, two speed, $\frac{1}{2}$ H.P. blower motor. 208V, 4.2 amps; 240V, 3.6 amps.
- ☐ Casters.
- ☐ Simultaneous chain driven doors.
- ☐ Control panel mounted on left side of oven.
- ☐ Stainless steel rear enclosure.
- ☐ Second year extended limited parts and labor warranty.

ACCESSORIES

- ☐ Extra oven rack(s).
- ☐ Rack hanger(s).
- ☐ Stainless steel drip pan.
- ☐ Flexible gas hose with quick disconnect and restraining device. Consult price book for available sizes.
- ☐ Down draft flue diverter for direct vent connection.

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OVENS

VULCAN

VC44G SERIES DOUBLE DECK GAS CONVECTION OVENS

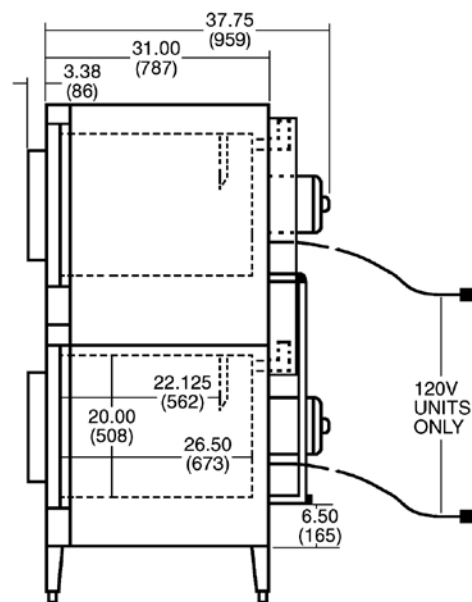
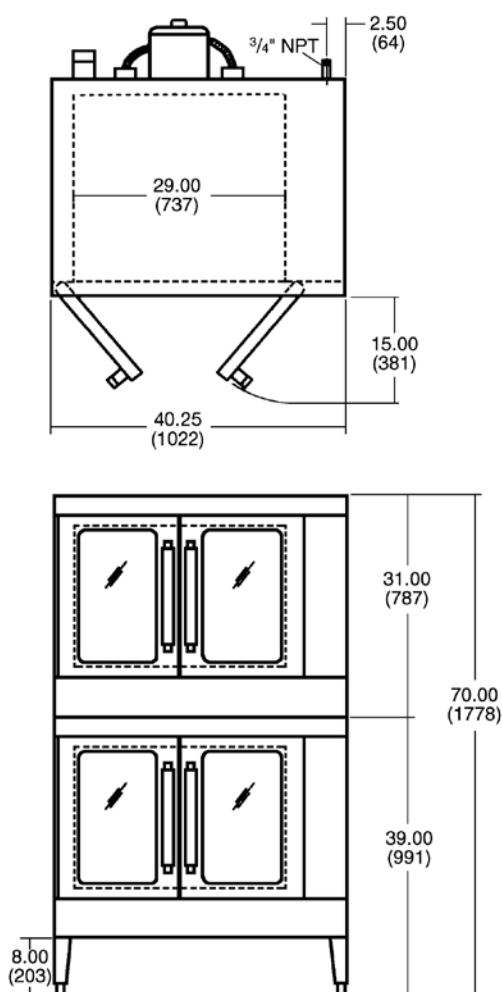
INSTALLATION INSTRUCTIONS

1. A combination gas pressure regulator and safety solenoid system is included in this unit. Natural gas is 5.0" W.C., Propane gas is 10.0" W.C.
2. An adequate ventilation system is required for commercial cooking equipment. Information may be obtained by writing to the National Fire Protection Association, Batterymarch Park, Quincy, MA 02289. When writing, refer to NFPA No. 96.
3. These units are manufactured for installation in accordance with ANSZ223.1 (latest edition), National Fuel Gas Code. Copies may be obtained from American Gas Association Inc.,

Accredited Standards Committee Z223, 400 N. Capitol St. NW, Washington, DC 20001 or the Secretary Standards Council, NFPA, 1 Batterymarch Park, Quincy, MA 02169-7471.

4. Clearances:

	Combustible	Non-combustible
Rear	0"	0"
Right Side	2"	0"
Left Side	1"	0"
5. This appliance is manufactured for commercial installation only and is not intended for home use.



MODEL NO.	WIDTH	DEPTH (INCLUDES HANDLES)	HEIGHT	BTU/HR. PER OVEN	TOTAL BTU/HR.	ELECTRICAL	WEIGHT			
							WITH SKIDS & PACKAGING		WITHOUT SKIDS & PACKAGING	
							LBS.	KG	LBS.	KG
VC44G	40 1/4"	41 1/8"	70"	50,000	100,000	120/60/1	928	422	820	372

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NOTE: In line with its policy to continually improve its products, Vulcan reserves the right to change materials and specifications without notice.

Submittal Sheet**ITEM# 36.1 - BLUE HOSE GAS CONNECTOR KIT (1 KT REQ'D)**

Dormont 1675KITCF2S48

Dormont Blue Hose™ Moveable Gas Connector Kit, 3/4" inside dia., 48" long covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, and coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity, limited lifetime warranty

Contractor _____
Approval _____
Contractor's P.O. No. _____
Representative _____
SKU _____

Swivel MAX®
Multi-plane
Rotation Fitting



Double Swivel MAX® with Safety Quik® Quick-Disconnect Valve Deluxe Kit Assembly

Ordering Information

		LENGTH				
Configuration	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
Deluxe Kit*	½" (15mm)	1650KITCF2S24	1650KITCF2S36	1650KITCF2S48	1650KITCF2S60	1650KITCF2S72
Hose Assembly**		1650BPCF2S24	1650BPCF2S36	1650BPCF2S48	1650BPCF2S60	1650BPCF2S72
Deluxe Kit*	¾" (20mm)	1675KITCF2S24	1675KITCF2S36	1675KITCF2S48	1675KITCF2S60	1675KITCF2S72
Hose Assembly**		1675BPCF2S24	1675BPCF2S36	1675BPCF2S48	1675BPCF2S60	1675BPCF2S72
Deluxe Kit*	1" (25mm)	16100KITCF2S24	16100KITCF2S36	16100KITCF2S48	16100KITCF2S60	16100KITCF2S72
Hose Assembly**		16100BPCF2S24	16100BPCF2S36	16100BPCF2S48	16100BPCF2S60	16100BPCF2S72

BTU/hr Flow Capacity Natural Gas (Flow rating BTU/hr 0.64 SP. GR. @ 0.5 inch WC pressure drop)

		LENGTH				
Model	Size I.D.	24" (607mm)	36" (914mm)	48" (1,219mm)	60" (1,524mm)	72" (1,829mm)
1650BPCF2S	½" (15mm)	77,000	69,000	60,000	54,000	48,000
1675BPCF2S	¾" (20mm)	205,000	193,000	160,000	140,000	124,000
16100BPCF2S	1" (25mm)	366,000	336,000	295,000	261,000	247,000

***Deluxe Kits include:** The Dormont Blue Hose, Double Swivel MAX, Safety Quik, restraining device

****Hose Assembly include:** The Dormont Blue Hose, Double Swivel Max, Safety Quik

Typical Installation



The Dormont Blue Hose™

The Dormont Blue Hose is a commercial, moveable-grade gas connector designed for use with moveable equipment.

Moveable equipment is defined in ANSI Standard Z21.69/CSA 6.16 as gas utilization equipment that may be mounted on casters or otherwise be subject to movement.



SwivelMAX®

- Reduces stress on connector
- Increases kitchen aisle space by allowing connector to be positioned closer to the wall



Safety Quik®

- Prevents user from turning on gas while appliance is disconnected
- Thermal shutoff within a temperature range of 250°F - 300°F (121°C - 149°C)



Restraining Device

- ANSI Z21.69 Standard section 1.7.4 states: Connectors when used on caster-mounted equipment shall be installed with a restraining device, which prevents transmission of the strain to the connector



We guarantee our commercial gas connectors for the life of the original appliance to which it is connected.

Dormont®
DZIL-TH-NA-O-DITH-HLE
COMMUNITY SCHOOL

A Watts Water Technologies Company
ES-D-DBLSwivelSafetyQuik 1404



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Submittal Sheet

ITEM# 37 - GAS FLOOR FRYER (1 EA REQ'D)

Pitco VF-35S

Fryer, gas, tube fired stand alone model, 35 lb. oil capacity, millivolt control, removable basket hanger, includes (2) twin baskets, 9" adjustable legs, stainless steel tank, front, door & sides, 70,000 BTU, ENERGY STAR®, CSA Flame, CSA Star, NSF, CE

ACCESSORIES

Mfr	Qty	Model	Spec
Pitco	1		5 years parts only frypot warranty from the date of manufacture, standard
Pitco	1		Gas to be determined
Pitco	1	B3901504	Casters, 9" adjustable swivel (set of 4) non-lock rear & lock front casters, solstice supreme, SG, SE, VF and flat bottom fryers, pasta cookers, rethermalizers, BNB

GAS

	SIZE	MBTU	KW
1	3/4"	70.0	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (min)	PSIG (max)
1					



Value Fryer Series Models VF35 & VF65



STANDARD ACCESSORIES

- Tank-stainless steel
- Cabinet - stainless front, door and sides
- One tube rack
- One built-in flue deflector
- Two twin size baskets
- One drain extension
- One drain line clean-out rod
- Removable basket hanger for easy cleaning
- 9"(22.9cm) adjustable legs, easier access to clean

AVAILABLE OPTIONS & ACCESSORIES

- ☐ Tank Cover
- ☐ 9"(22.9cm) Casters

Project _____

Item No. _____

Quantity _____

STANDARD SPECIFICATIONS

CONSTRUCTION

- Welded tank with an extra smooth peened finish ensures easy cleaning.
- Long lasting, high temperature alloy stainless steel heat baffles are mounted in the heat exchanger tubes to provide maximum heating and combustion.
- Standing pilot light design provides a ready flame when heat is required.
- Stainless steel front, door, sides and splash back.

CONTROLS

- Solstice burner/baffle design.
 - Increases cooking production
 - Lowers flue temperature
 - Improves working environment
 - Generates more production per BTU
- Thermostat maintains selected temperature automatically between 200°F (93°C) and 400°F (190°C-CE).
- Integrated gas control valve acts as a manual and pilot valve, automatic pilot valve, gas filter, pressure regulator, and automatic main valve.
- Gas control valve prevents gas flow to the main burner until pilot is established and shuts off all gas flow automatically if the pilot flame goes out.
- Temperature limit switch safely shuts off all gas flow if the fryer temperature exceeds the upper limit.

OPERATIONS

- Front 1-1/4" NPT drain valve, for quick draining



Value Fryer Series Models VF35 & VF65



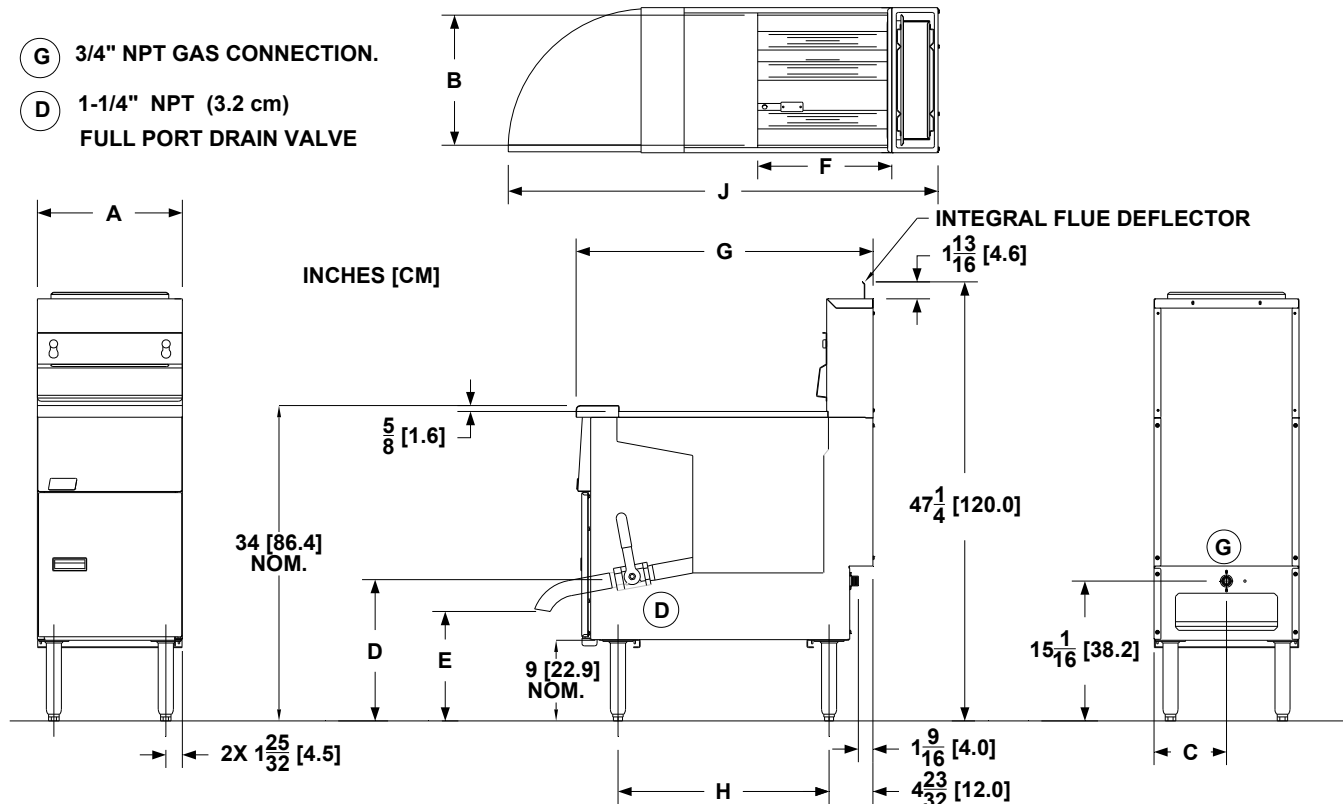
Value Fryer Series Models VF35 & VF65

Value Fryer Series Models VF35 & VF65

TABLE									
	A	B	C	D	E	F	G	H	J
VF35	15 5/8 [39.7]	14 1/2 [36.8]	7 13/16 [19.8]	19 5/8 [49.8]	15 1/8 [38.4]	14.0 [35.6]	32.0 [81.3]	22 3/4 [57.8]	46 5/16 [115.0]
VF65	19 5/8 [49.8]	17 11/32 [44.1]	9 13/16 [24.9]	17 11/32 [44.1]	12 5/16 [31.2]	18.0 [45.7]	34.0 [86.3]	24 3/4 [62.8]	52 17/64 [132.7]

Ⓔ 3/4" NPT GAS CONNECTION.

Ⓓ 1-1/4" NPT (3.2 cm)
FULL PORT DRAIN VALVE



INDIVIDUAL FRYER SPECIFICATIONS						
Model	Frying Area	Cook Depth	Oil Capacity	Gas Input Rate / Hr	Burner Pressure Nat	Burner Pressure LP
VF35	14 x 14 in (35.6 x 35.6 cm)	2.0 - 3.5 in (5.0 - 8.0 cm)	35 - 40 Lbs (15.9 - 18.1 liters)	70,000 BTU (CE 20.5 kW) (AU 74 MJ)	4" W.C. (10 mbars / 1 kPa)	10" W.C. (25 mbars / 2.4 kPa)
VF65	18 x 18 in (45.7 x 45.7 cm)	3.0 - 5.0 in (8 - 13 cm)	65 - 80 Lbs (31 - 39 liters)	95,000 BTU (CE 26.5 kW) (AU 95 MJ)		
Model	Shipping Weight		Shipping Crate Size H x W x L			Shipping Cube
VF35	155 Lbs (70.3 kg)		36 x 19 x 46 in (1168 x 483 x 914 mm)			18.2 ft ³ (0.5 m ³)
VF65	180 Lbs (81.6 kg)					
INSTALLATION INFORMATION						
GAS SYSTEM REQUIREMENTS				Total Gas Load / Hr		
Supply Pressure *		Natural Gas		LP Gas		VF35 70,000 BTU, (CE 20.5kW), (AU 74 MJ)
		7 - 10" W.C. (17.4 mbars/ 1.74 kPa)		11 - 13" W.C. (27.4 mbars/ 2.74 kPa)		VF65 95,000 BTU, (CE 26.5kW), (AU 95 MJ)
* Check plumbing / gas codes for proper gas supply line sizing to sustain burner pressure when all gas appliances are full on.						
CLEARANCES						
Front min.	Floor min.	Combustible material		Non-Combustible material		Fryer Flue Area
30" (76.2 cm)	6" (15.25 cm)	Sides min.	Rear min.	Sides min.	Rear min.	Do not block / restrict flue gases from flowing into hood or install vent hood drains over the flue.
		6" (15.2 cm)	6" (15.2cm)	0"	0"	
Provide Pitco VF35 or VF65 tube-fired gas fryer. Fryer shall have a blower free atmospheric burner system combined with three stainless steel tubes, VF65 with four stainless steel tubes, utilizing high temperature alloy stainless steel baffles, with thermostatic control, thermo-safety pilot and spark ignitor, separate gas shut off, 3/4" npt rear gas connection, recessed cabinet back, 1-1/4" Full port drain. Fryer shall have a deep cool zone; minimum 20% of total oil capacity. Model VF35 shall be a cooking area of 14" x 14". Model VF65 shall be a cooking area of 18" x 18".						



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 ZILTH-NA-O-DITH-HLE COMMUNITY SCHOOL • FAX: 603-225-8497 • www.pitco.com L10-347 Rev 6 09/19 Printed in the USA
 We reserve the right to change specifications without notice and without incurring any obligation for equipment previously or subsequently sold.

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Approval _____
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Swivel MAX®
Multi-plane
Rotation Fitting



Double Swivel MAX® with Safety Quik® Quick-Disconnect Valve Deluxe Kit Assembly

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Restraining Device

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We guarantee our commercial gas connectors for the life of the original appliance to which it is connected.

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Submittal Sheet

ITEM# 38 - RANGE, 72", 4 BURNERS, 48" GRIDDLE (1 EA REQ'D)

NIC IR-4-G48

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Imperial Range - Model IR-4-G48T

Pro Series Restaurant Range, gas, 72", (4) open burners, (1) 48" griddle, (2) standard ovens, (1) chrome rack per oven, 3" grease trough, removable grease pan & crumb tray, stainless steel front, sides, backguard, shelf, landing ledge & kick plate, 6" legs, adjustable feet, 278,000 BTU, NSF, CE, CSA Flame, CSA Star

ACCESSORIES

Mfr	Qty	Model	Spec
Imperial	1		Limited one year parts and labor warranty, standard
Imperial	1		Gas type to be specified
Imperial	1		Griddle on right (specify)
Imperial	1		Thermostat control add "T" to model number, for 48" griddle
Imperial	1		Stainless steel backguard with shelf standard
Imperial	1		Swivel casters (set of 6) three with brakes

GAS

	SIZE	MBTU	KW
1	3/4"	278.0	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (min)	PSIG (max)
1					

72" RESTAURANT RANGES

IMPERIAL®

Model Numbers

IR-12	IR-4-G48
IR-12-CC	IR-4-G48-CC
IR-12-XB	IR-4-G48-XB
IR-8-G24	IR-2-G60
IR-8-G24-CC	IR-2-G60-CC
IR-8-G24-XB	IR-2-G60-XB
IR-6-G36	IR-G72
IR-6-G36-CC	IR-G72-CC
IR-6-G36-XB	IR-G72-XB



Two rings of flame for even cooking no matter the pan size.



Top grates with anti-clogging pilot shield protect the pilot from grease and debris.



Back grate hot air dam deflects heat onto the stock pot, not the backsplash.



Large 5" (127 mm) stainless steel landing ledge for convenient plating.



Durable cast aluminum with a vylox heat protection grip.

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL



IR-6-GT36-CC shown with optional casters

OPEN BURNERS - PyroCentric™ 32,000 BTU (9 KW) anti-clogging burner with a 7,000 BTU/hr. (2 KW) low simmer feature. Two rings of flame for even heating.

- Cast iron PyroCentric burners are standard on all IR Series Ranges.
- Burners are anti-clogging and lift-off and separate for easy cleaning. No gaskets or screws.
- One standing pilot per burner for instant ignition.

GRATES - Front grates measure 12" x 11" (305 x 279 mm). Back grates are 12" x 13" (305 x 330 mm).

- Back grates are sized for positioning large stock pots directly over burner and feature a hot air dam.
- Pots slide easily from section to section and onto landing ledge.
- Grates are cast iron for a long service life.

GRIDDLE AND RAISED GRIDDLE BROILER - Highly polished 3/4" (19 mm) steel plate. 21" (533 mm) plate depth. 3" (76 mm) wide grease trough.

- Burners have 20,000 (6 KW) BTU/hr. output with a heat deflector every 12" (305) for even heating.
- Large griddle grease can and full width drip tray. Both remove for easy cleaning.

STANDARD OVENS - Linear burner provides even heating throughout the 35,000 BTU (10 KW) oven.

- Unique burner baffle distributes heat flow to provide even temperatures throughout the oven cavity.
- Exclusive heat deflector reflects heat into the oven, not the floor. 100% safety pilot.
- Chef Depth interior is 26-1/2" w x 26" d x 14" h (673 x 660 x 356 mm) and accommodates 18" x 26" (457 x 660 mm) sheet pans left-to-right and front-to-back.
- Porcelainized sides, rear, deck and door lining for easy cleaning. Heavy duty door hinge.
- Stamped inner door liner provides extra strength while optimizing heat retention.
- One chrome oven rack included.

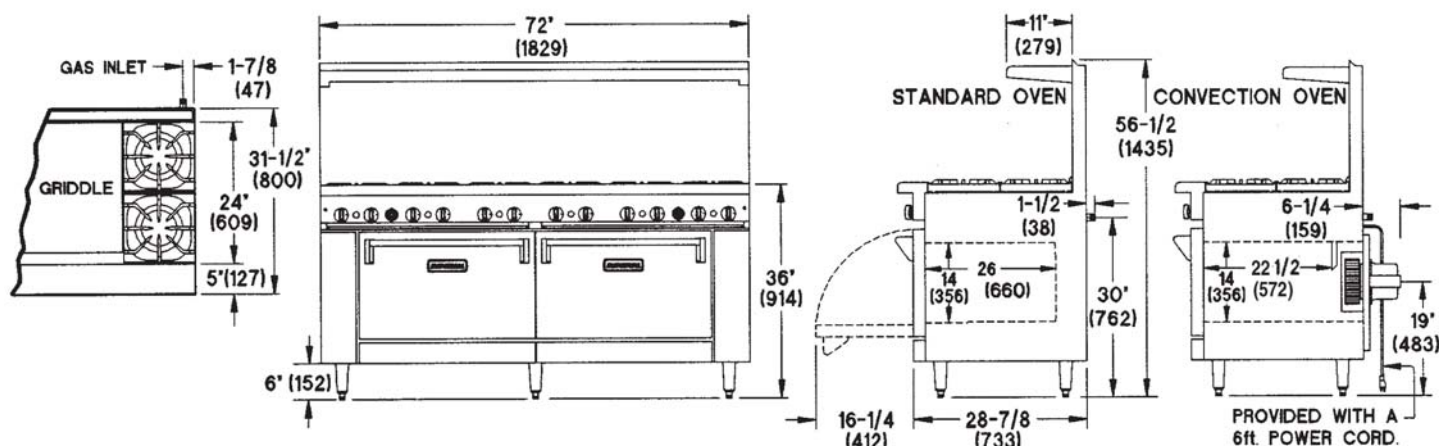
CONVECTION OVENS - 30,000 BTU/hr. (9 KW) convection oven with 1/4 hp blower motor cooks products quickly and evenly with less shrinkage.

- Convection oven interior dimensions 26-1/2" w x 22-1/2" d x 14" h (673 x 572 x 356 mm).
- Three position switch for cooking or cool down. Fan shuts off automatically when door is open.
- Porcelainized sides, rear, deck and door lining for easy cleaning. Heavy duty door hinge.
- Three chrome oven racks included.



72" RESTAURANT RANGES

IMPERIAL®



72" RESTAURANT RANGES

TOP	MODEL	GAS OUTPUT BTU (KW)	OPEN BURNERS	GRIDDLE WIDTH	SHIP WEIGHT (KW) LBS
	IR-12	454,000 (133)	12	N/A	(514) 1135
	IR-12-CC	444,000 (130)	12	N/A	(568) 1255
	IR-12-XB	419,000 (123)	12	N/A	(493) 1085
	IR-8-G24	386,000 (113)	8	24" (610 mm)	(536) 1185
	IR-8-G24-CC	356,000 (104)	8	24" (610 mm)	(590) 1305
	IR-8-G24-XB	331,000 (97)	8	24" (610 mm)	(513) 1135
	IR-6-G36	322,000 (94)	6	36" (914 mm)	(541) 1195
	IR-6-G36-CC	312,000 (91)	6	36" (914 mm)	(595) 1315
	IR-6-G36-XB	287,000 (84)	6	36" (914 mm)	(518) 1145
	IR-4-G48	278,000 (81)	4	48" (1219 mm)	(518) 1145
	IR-4-G48-CC	268,000 (79)	4	48" (1219 mm)	(572) 1265
	IR-4-G48-XB	243,000 (71)	4	48" (1219 mm)	(495) 1095
	IR-2-G60	234,000 (69)	2	60" (1524 mm)	(602) 1330
	IR-2-G60-CC	224,000 (66)	2	60" (1524 mm)	(656) 1450
	IR-2-G60-XB	199,000 (58)	2	60" (1524 mm)	(579) 1280
	IR-G72	190,000 (56)	N/A	72" (1829 mm)	(643) 1420
	IR-G72-CC	180,000 (53)	N/A	72" (1829 mm)	(697) 1540
	IR-G72-XB	155,000 (45)	N/A	72" (1829 mm)	(620) 1370

Measurements in () are metric equivalents

NOTES

- "CC" specifies (2) 26-1/2" (673 mm) Convection Ovens
- "XB" specifies (1) 26-1/2" (673 mm) Standard Oven and (1) Cabinet Base
- "C-XB" specifies (1) 26-1/2" (673 mm) Convection Oven and (1) Cabinet Base
- "G" specifies Griddle Top, griddle on left is standard
- "RG" specifies Raised Griddle/Broiler Top

EXTERIOR

- Stainless steel front, sides, backguard, shelf, landing ledge and kick plate
- Welded and polished stainless steel seams
- Large 5" (127 mm) stainless steel landing ledge
- Control knobs are durable cast aluminum with a heat protection grip
- Full width, removable crumb tray under open burners for easy cleaning
- 6" (152 mm) heavy duty legs with adjustable feet
- One year parts and labor warranty

DIMENSIONS	CRATED DIMENSIONS
72" w x 31-1/2" d x 56-1/2" h (1829 x 800 x 1435 mm)	74-1/2" w x 39" d x 35" h (1892 x 991 x 889 mm)

MANIFOLD PRESSURE	MANIFOLD SIZE
NATURAL GAS	PROANE GAS
5.0" W.C.	10.0" W.C.
Specify elevation, if over 2,000 ft.	

CLEARANCE REQUIREMENTS

For use only on non-combustible floors. Legs or casters are required for non-combustible floors; or 2" (51 mm) overhang is required when curb mounted. Provide 0" clearance from non-combustible surfaces and 8" (203 mm) from combustible surfaces.

OPTIONS AND ACCESSORIES

- Reinforcement channels for mounting cheesemelter/salamander
- 6" and 11" (152 and 279 mm) stainless steel backguards
- 10" (254 mm) stainless steel wok ring
- Saute burner head, interchangeable
- Wok burner head, interchangeable
- 220V motor and transformer for convection oven
- Extra oven racks
- Thermostatic griddle control
- Grooved griddle plate
- Chrome griddle plate
- Griddle safety valve
- Gas shut off valve 3/4" (19 mm)
- Quick disconnect and flexible gas hose
- 6" (152 mm) casters



DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

IMPERIAL
R-5 11/13

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www.imperialrange.com
E-mail: imperialsales@imperialrange.com

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Imperial reserves the right to change specifications at any time without prior notice and without any obligation for past or future equipment purchases. Visit www.imperialrange.com for specification updates.

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- Thermal shutoff within a temperature range of 250°F - 300°F (121°C - 149°C)



Restraining Device

- ANSI Z21.69 Standard section 1.7.4 states: Connectors when used on caster-mounted equipment shall be installed with a restraining device, which prevents transmission of the strain to the connector



We guarantee our commercial gas connectors for the life of the original appliance to which it is connected.

Dormont®
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

A Watts Water Technologies Company
ES-D-DBLSwivelSafetyQuik 1404



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Submittal Sheet

ITEM# 39 - EXHAUST HOOD SYSTEM (1 EA REQ'D)

Accurex

Exhaust Hood, 107" L x 54" W x 24" H, Performance Enhancing Lip (P.E.L.) for up to 31% Lower Exhaust Rates, Sloped Grease Trough with Enclosed Grease Cup per NFPA 96 Requirements, Material - 430 SS Where Exposed, UL 710 Listed w/ out Exhaust Fire Damper, Filter - X-Tractor - Stainless Steel, Lights - Round LED Light Fixtures (4), Factory Mounted Exhaust Collar(s), Factory Mounted Supply Collar(s), Continuous Capture for Multi-Section Hoods

Exhaust Air Balancing Baffle, Factory Mounted 3" Back Airspace, Factory Mounted 1" Left Zero Clearance Airspace with Finished End, Factory Mounted 1" Right Zero Clearance Airspace with Unfinished End, Air Supply Plenum (ASP) on Front, Stainless Steel Backsplash Panel 80" High 216" Long, Stainless Steel Backsplash Panel on Left 80" High 16" Long, Stainless Steel Backsplash Panel on Right 80" High 54" Long, 18 in. High Ceiling Enclosures on - Left Front Exhaust Fan: Volume (CFM): 3,941; SP (in. wg): 1.143; FRPM (RPM): 1725; Motor Power (hp) - 2; Operating Power (hp) -1.63; Voltage - 208/60/3, Direct Drive Fan, Motor - 2 hp, ODP, 208/60/3, 1725 rpm, Factory Mounted Motor VFD Rated without Shaft Grounding Protection, UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances", Switch, NEMA-1, Toggle, Shipped with Unit, Junction Box Mounted & Wired, Hinged Base (Attached), Grease Trap (PN 475538), Unit Warranty: 1 Yr (Standard), Vented Roof Curb Material - Galvanized, Nominal Curb Size

Make-Up Air Unit, Volume (CFM): 3,032, SP (in. wg): 0.5, FRPM (RPM) -1065

Motor Power (hp) -1-1/2, Operating Motor Power (hp) - 1.282, Voltage/Hertz/Phase -208/60/3, Air Flow Arrangement: Variable Volume, Outdoor Air Intake Position: End, Discharge Position: Bottom, Coating: Galvanized, Insulation: Double Wall - Heat Source On, VFD Control: External 0-10 VDC, Access Side: Right-Hand, Control Center, Heat Inlet Air Sensor, Cool Inlet Air Sensor

Approvals: ETL, Flame Sensing: Flame Rod, Ignition Control - Pilot, Unit Rated Gas Pressure: 1/2 PSI, Evap Media: CELdek, Evap Control: Auto Drain and Flush, Evap Valves: By Factory, Evap With Louvered Intake and Aluminum Mesh Filters, 12x20x2 - (2), 12x25x2 - (1), 16x20x2 - (2), 16x25x2 - (1)

UL Listed, Material - 300 SS Enclosure, Capture tank mounted temperature sensors with up to 5 times faster response.

Control Panel, Keypad with LCD Display, VFDs Provided: 1, VFDs Provided By Others: 1, Turn on Exhaust in Fire Mode, Power For Shunt Trip, Temperature Interlock - Automatically starts fans when cooking occurs in compliance with IMC, Temperature Sensors Installed (2), Supply Airflow Control - Proportional Tracking, Lights Out in Fire, Light Circuit(s) - (1), Keypad Cable (35 ft)



Printed Date: 07/06/2020
Job: DZ Community School
Mark: KH-33
Model: XXEW-214.00-S

XXEW

Type 1, X-Tractor Filter Single Wall - Exhaust Only Wall Canopy

Model	Hood Length (in.)	Width (in.)	Bottom Width (in.)	Height (in.)		Exhaust Volume (CFM)	Exhaust SP (in. w.g.)	Double Island
				Front	Back			
XXEW	214	54	54	24	24	3789	0.556	No

Selected Options & Accessories:

Option or Accessory	Description
Mounting Height	80 in. off Finished Floor.
Integral Air Space	Factory Mounted on Back - 3" wide
Non-Integral Air Space	Factory Mounted on Left - 1" wide Zero Clearance Finished End
Non-Integral Air Space	Factory Mounted on Right - 1" wide Zero Clearance Unfinished End
Ceiling Enclosures	18 in. High on Left Front
Filter Type	Stainless Steel X-Tractor Filters
Backsplash Panel	80 in High 216 in Long 0 in Wide
Left Sidesplash	80 in High 16 in Long 0 in Wide
Right Sidesplash	80 in High 54 in Long 0 in Wide
Continuous Capture	UL listed connection to join multiple sections.
Exhaust Air Balancing Baffle	Damper used to balance system with multiple collars.

Material: 430 SS Where Exposed

UL Listing: UL 710 w/out Exhaust Fire Damper

Features:

Performance Enhancing Lip (PEL)
 Standing Seam Construction for Superior Strength
 Stainless Steel Finish for Higher Corrosion Resistance

Hood End Conditions:

Back Wall - Limited Combustible
 Left Partial Wall - 16 in wide 0 in off wall - Combustible
 Right Full Wall - Combustible

Section Data:

Section Num.	Length (in.)	Volume (CFM)	SP (in. wg)	Filter Qty		Filter Ht. (in.)	Cooking Load	Light Qty	Light Type	Foot Candles	Drain Location	Weight (lbs)
				16" W	20" W							
1	107	2006	0.556	4	2	20	Heavy	2	Round LED	63.1	Right	338.833
2	107	1783	0.494	4	2	20	Heavy	2	Round LED	63.1	Right	338.833

Exhaust Collar Data:

Section Num.	Collar Num.	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos Off Back (in.)	Velocity (fpm)	Mounting Option
1	1	19 x 10	53.5	7	1520	Factory Mounted Exhaust Collar(s)
2	1	17 x 10	53.5	7	1510	Factory Mounted Exhaust Collar(s)

External Supply Plenum Data:

Supply: 3032 CFM

MUA: 3032 CFM

AC: 0 CFM

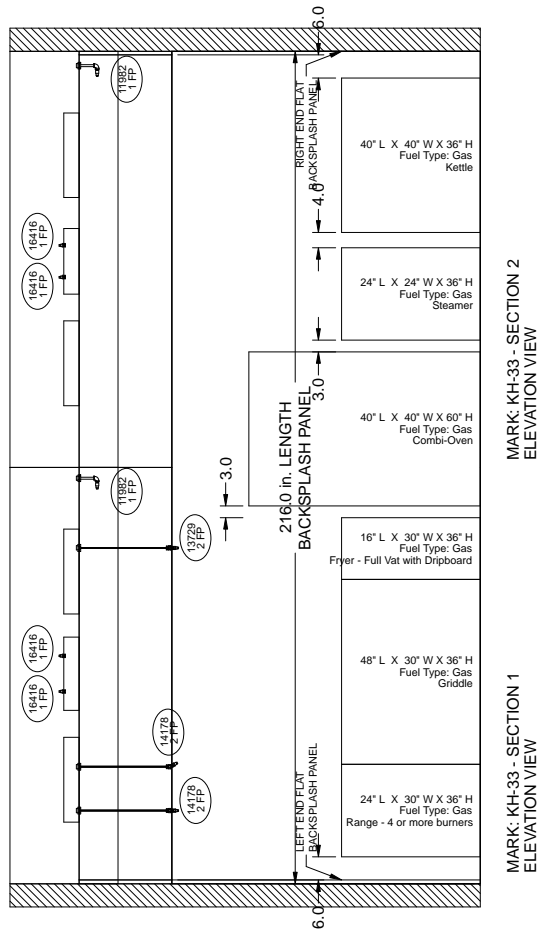
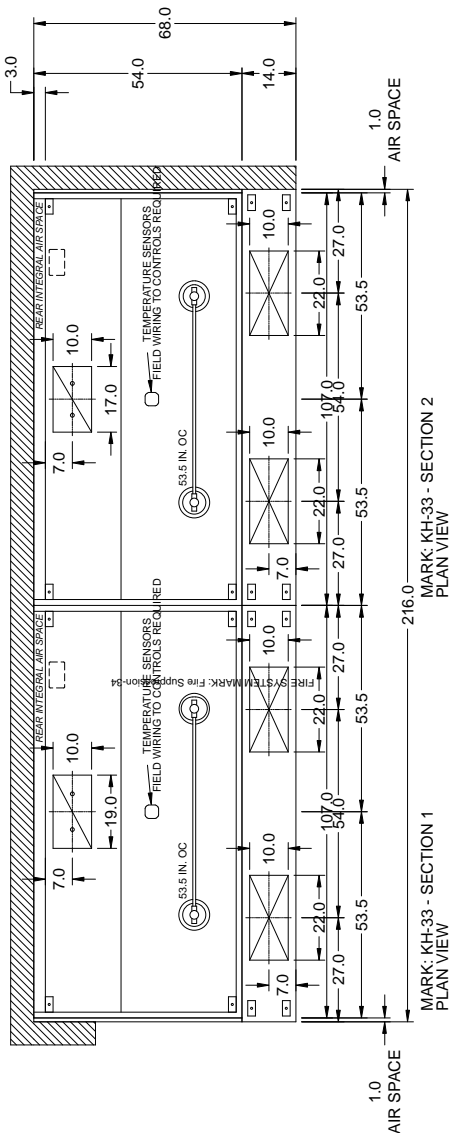
Section Num.	Plenum Num.	Side	Type	Length (in.)	Width (in.)	Height (in.)	Volume (CFM)	SP (in. wg)	Insulated	MBD	LED Lights
1	1	Front	Air Curtain Supply (ASP)	108	14	10	1516	0.13	No	No	No
2	1	Front	Air Curtain Supply (ASP)	108	14	10	1516	0.13	No	No	No

External Supply Collar Data:

Section Num.	Plenum Num.	Side	Collar Num.	Collar Size (LxW) in. or Diameter (in.)	Pos. Off Left (in.)	Pos. Off Front (in.)	Velocity (fpm)	Mounting Option
1	1	Front	1	22 x 10	27	7	496	Factory Mounted Supply Collar(s)
1	1	Front	2	22 x 10	81	7	496	Factory Mounted Supply Collar(s)
2	1	Front	1	22 x 10	27	7	496	Factory Mounted Supply Collar(s)
2	1	Front	2	22 x 10	81	7	496	Factory Mounted Supply Collar(s)



Printed Date: 07/06/2020
Job: DZ Community School
Mark: KH-33
Model: XXEW-214.00-S



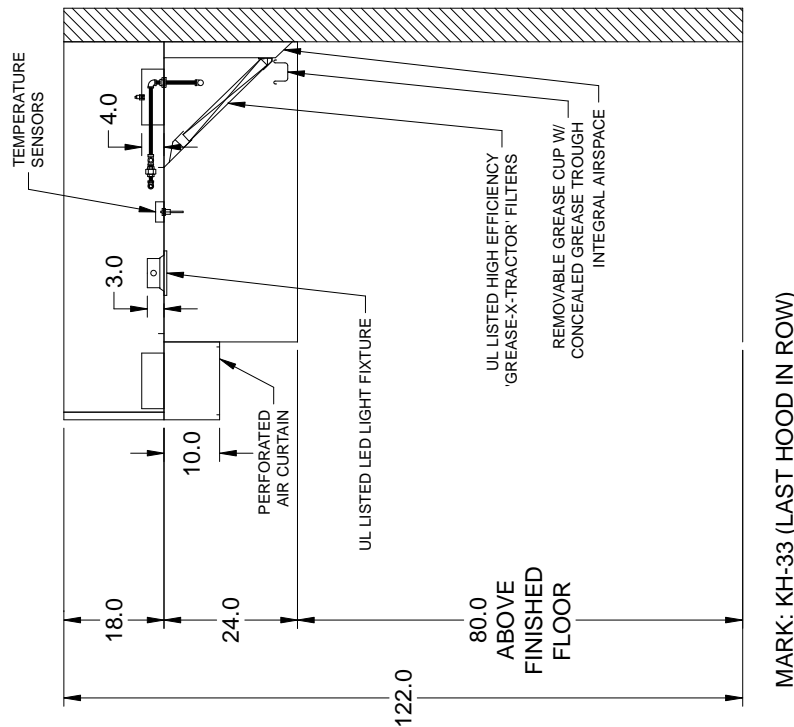
NOTE: All dimensions are in units of in.





Printed Date: 07/06/2020
Job: DZ Community School
Mark: KH-33
Model: XXEW-214.00-S

Hanger Bracket Locations			
Sec #	Brkt #	Distance Off Left (in)	Distance Off Front (in)
1	1	3.50	2.50
1	2	103.50	2.50
1	3	3.50	50.00
1	4	103.50	50.00
2	1	3.50	2.50
2	2	103.50	2.50
2	3	3.50	50.00
2	4	103.50	50.00
Bracket Mounting Position for a 4 Bracket Hood			



NOTE: All dimensions are in units of in.





Printed Date: 07/06/2020
Job: DZ Community School
Mark: Fire Suppression-34
Model: FSSK - 12 - 2

Amerex KP

Wet Chemical Fire Suppression System

Hood Options and Accessories

Detection Type	Electric
Coverage	Appliance Specific
Mounting Option	Wall Mounted (includes pre-piped hood with detection and factory coordinated install)
System Size	7.5 Gallon
Flow Points	Maximum of 22 and 12 are utilized.
Installation Location	The fire system tank connection tee will be on the Right.
Gas Valve	Electrical Shutoff Valve, 2", 110V, 60Hz
Manual Pull Stations	QTY of 1
Appliance Drops	There are 3 appliance drops on this system.
Metal Blow Off Caps	High temperature metal caps to protect and keep the nozzles clean.
Permit Fees Included	Permit and Puff Test Only
Additional Fees Included	Please Describe Fees

NOTE: Must maintain 8 inch clearance between top of hood and pipe connections for installation (includes piping and workspace clearance).

NOTE: The remote pull station(s) must be in path of egress within 20 feet of the release mechanism.

NOTE: All agent tanks should be mounted within 60 inches of the hood canopy.

Protected Hood Sections:

-	KH-33 Section 1
-	KH-33 Section 2

Standard Construction Features:

- Prepiping of the kitchen hood
- Fuel shut-off device
- Two Outputs with NO, NC, & COM contacts are included for optional device operation for electric appliances
- All detectors, links, release mechanism, tank, and fire suppressant agent.
- An Amerex® tank and release mechanism.
- Final field hook-up to be performed by a nonunion certified Amerex® distributor.
- Factory coordination of final system hook-up between jobsite contact and the assigned Amerex® distributor.

Notes:

- The installation of the mechanical or electrical type gas valve is the responsibility of the plumbing contractor.
- Two Outputs with NO, NC, & COM contacts are included for optional device operation for electric appliances. These contacts can also be used with alarm systems or fan shut down. A separate output with NC, COM contacts is used for the electric gas valve.
- This program applies only to the continental United States. For an Amerex® hook-up in Alaska, Hawaii, Canada or any International destination, please consult Manufacturer for details and pricing.

Field Scope of factory-coordinated system:

- Hang release mechanism and tanks as needed, hook-up detection lines, hook-up supply lines, mount & hookup remote manual pull, hook-up mechanical gas valve (if applicable), charge, tag & test system.

The basic fire suppression system does not include the following:

- Full dump test or any other system test requirement unless otherwise explicitly stated in documentation from Accurex.
- Special classes or additional labor for access to security sensitive areas.
- More than two trips to the jobsite or special transportation or overnight lodging requirement in remote areas.
- A shut-off device (shunt-trip breaker) for electric cooking equipment.
- Installation of the gas shut-off valve.
- Special drawings required to satisfy a state or local code.
- Union Labor, Government Labor, or Prevailing wages required for the final field hook-up.
- Any and all electrical connection required to shut down fan(s), electric cooking equipment, activate an alarm system, etc.
- Any dismantling or reassembly required to gain access to the fire suppression piping located on the top of the hood.
- Plan examination fees
- Rough-in conduit for remote pull station or gas valve (for flush mounted pull station).
- Additional remote pull stations.
- Parts or labor required to correct piping due to cooking equipment changes or deviation from approved drawings.
- Any charges for missing or additional parts not shown on the approved drawings.

Note:

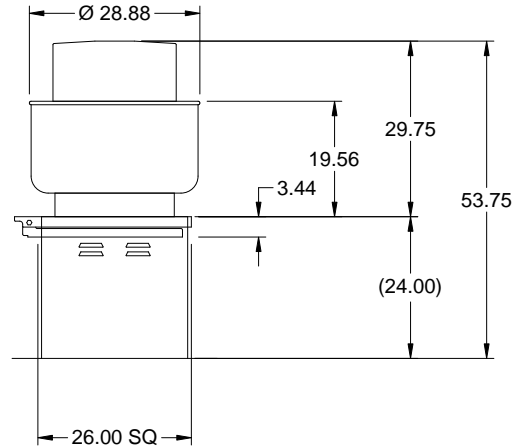
- The customer is responsible for and will be invoiced separately for any additional work performed in accordance with the above items.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: KEF-1
Model: XRUD-161-A

Model: XRUD-161-A

Direct Drive Upblast Centrifugal Roof Exhaust Fan



Dimensional

Quantity	1
Weight w/o Acc's (lb)	95
Weight w/ Acc's (lb)	112
Weight w/ Acc's and Curb (lb)	145
Max T Motor Frame Size	145
Roof Opening (in.)	18.5 x 18.5

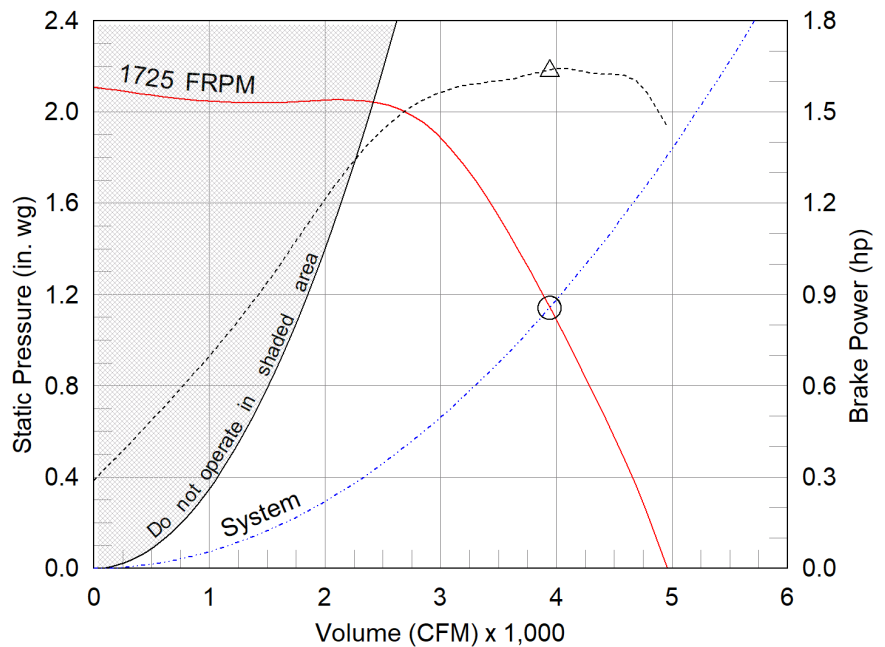
Performance

Requested Volume (CFM)	3,789
Actual Volume (CFM)	3,941
Total External SP (in. wg)	1.143
Fan RPM	1725
Operating Power (hp)	1.63
Elevation (ft)	5,502
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.061
Tip Speed (ft/min)	7,508
Static Eff. (%)	43

Motor

Motor Mounted	Yes
Size (hp)	2
Voltage/Cycle/Phase	208/60/3
Enclosure	ODP
Motor RPM	1725
Efficiency Rating	Standard
Windings	1
NEC FLA* (Amps)	7.5

OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.



- △ Operating Bhp point
- Operating point at Total External SP
- Fan curve
- - - System curve
- - - Brake horsepower curve

Static Pressure Calculations

External SP	1.056 in. wg
Direct Drive RPM Adjustment	0.087 in. wg
Total External SP	1.143 in. wg

Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	Sones
Inlet	80	87	89	87	82	77	74	71	88	77	26

Notes:

All dimensions shown are in units of in.
 *NEC FLA - based on tables 430.248 or 430.250 of National Electrical Code 2014. Actual motor FLA may vary, for sizing thermal overload, consult factory.
 LwA - A weighted sound power level, based on ANSI S1.4 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International
 Sones - calculated using ANSI/AMCA 301 at 5 ft
 The motor provided on this fan is inverter ready and meets NEMA MG1 Part 31.4.4.2





Printed Date: 07/06/2020
Job: DZ Community School
Mark: KEF-1
Model: XRUD-161-A

Model: XRUD-161-A

Direct Drive Upblast Centrifugal Roof Exhaust Fan

Standard Construction Features:

- Aluminum housing - Backward inclined aluminum wheel - Aluminum curb cap with prepunched mounting holes - Drain trough - Ball bearing motors (sizes 85-300 and all Vari Green), sleeve bearing motors (sizes 60-80) - Motor isolated on shock mounts - Corrosion resistant fasteners

Selected Options & Accessories:

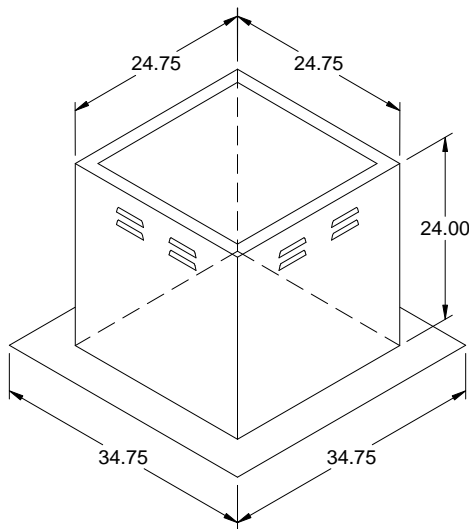
Motor VFD Rated without Shaft Grounding Protection
Larger curb cap size - 26 in. square
UL/cUL 762 Listed - "Power Ventilators for Rest. Exh. Appliances"
Switch, NEMA-1, Toggle, Shipped with Unit
Junction Box Mounted & Wired
Hinged Base (Attached)
High Temp Curb Seal Rated for Continuous Duty at 1500 F (Attached)
Grease Trap (PN 475538)
Unit Warranty: 1 Yr (Standard)

Selected Sub Marks

See individual submittals for full details
GPFV-26-G24



Printed Date: 07/06/2020
Job: DZ Community School
Mark: KEF-1
Model: GPFV-26-G24



Model: GPFV

Vented Roof Curb

Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - Includes louvered vents to vent heat - 5 in. mounting flange - Height - Designed to provide required 40 in. minimum discharge height above roof line per NFPA 96 Notes: - The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in.. - The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size. - The Roof Opening Dimension may or may not be the same as the Structural Opening Dimension. - Damper Trays are not available

General

Tag	Qty	Model	Sizing Method	Undersizing (in.)	Weight (lb)
	1	GPFV-26	Nominal	1.25	33

Dimensions

Curb Height (in.)	Nominal Outside Width (in.)	Nominal Outside Length (in.)	Actual Outside Width (in.)	Actual Outside Length (in.)	Actual Inside Width (in.)	Actual Inside Length (in.)	Flange Width (in.)	Flange Length (in.)	Hinge Base Width* (in.)	Hinge Base Length* (in.)
24	26	26	24.75	24.75	21.25	21.25	34.75	34.75	25	25

*May not be applicable

Accessories

Material
Galvanized



Printed Date: 07/06/2020
 Job: DZ Community School
 Mark: MUA-1
 Model: XDG-112-H20

XDG-112-H20

Unit Performance

Design Conditions						
Elevation (ft)	Summer		Winter (°F)	Supply (CFM)	Outdoor Air (CFM)	Min Supply Airflow (CFM)
	DB (°F)	WB (°F)				
5,502	94.9	65.3	7.5	3,032	3,032	1,516

Unit Specifications					
Qty	Weight (lb)	Cooling Type	Heating Type	Unit Installation	Unit ETL Listing
1	1,175 (+/- 5%)	Direct Evaporative	Direct Gas-Fired	Outdoor/Indoor	ANSI Z83.4 / CSA 3.7

Configuration				
Unit Orientation	Unit Configuration	Outdoor Air Intake	Return Air Intake	Supply Air Discharge
Horizontal	Variable Volume	End	-	Bottom

Cooling Specifications					
Type	Cooling Media	Media Depth (in.)	Required Flow (GPM)	Performance (DB/WB)	
				EAT (°F)	LAT (°F)
Direct Evaporative	CELdek	12	0.3	94.9 / 65.3	67.4 / 65.3

Heating Specifications								
Type	Gas Type	Gas Pressure		Capacity (MBH)		Temperature Rise (°F)	Performance	
		Min (in. wg)	Max (Psi)	Input	Output		EAT (°F)	LAT (°F)
Direct Gas	Natural	7	0.5	181.5	167.0	62.5	8.0	70.0

Air Performance									
Type	Total Volume (CFM)	External SP (in. wg)	Total SP (in. wg)	RPM	Operating Power (hp)	Fan			
						Qty	Type	Size (in.)	Drive-Type
Supply	3,032	0.5	1.313	1065	1.28	1	Forward Curve	12	Belt-Drive

Motor Specifications					
Motor	Qty	Size (HP)	Enclosure	Efficiency	RPM
Supply Fan Motor	1	1-1/2	ODP	NEMA Premium	1725

Electrical Specifications			
Power Supply	Rating (V/C/P)	MCA (A)	MOP (A)
Unit	208/60/3	12.2	15





Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

CONSTRUCTION FEATURES AND ACCESSORIES

Unit		Accessories	
Unit Installation - Outdoor	Std	Factory Installed, Lockable, NEMA 3R Disconnect	Std
Unit Construction - Double Wall	X	Weatherhood	
Wall Insulation - 1in. fiberglass - Heat source on	X	Supply Air Filters	
Base Insulation - 1in. fiberglass - entire unit base pan	Std	Outdoor Air Inlet Damper	X
Corrosion Resistant Fasteners	Std	Supply Air Outlet Damper	
Access and Connections - Right side when facing intake	X	Diffuser	
Service Access - Removable lift off panels	X	Roof Curb - GPI	X
Unit Finish - G90 Galvanized	X	Combination Curb	
Finish Color		Spare Belts	
Supply Fan - Belt-drive, forward-curved	X	Spare Filters	
Supply Fan and Motor Vibration isolation - Neoprene	X	Motor with Shaft Grounding	
Controls		Service Outlet	
Unit Controls - Terminal strip	X	Gas Heating Accessories	
Remote Panel		Pilot Ignition	Std
Temperature Control - Discharge control	X	Flame Sensing - Flame rod	X
Supply Fan VFD - VFD by factory		Flame Safeguard Display	
Supply Fan Control - External 0-10 VDC signal	X	Agency Approval - ETL	Std
Melink/Vari-Flow wiring package		FM Approved	
Recirculation Control		Minnesota Code Requirements	
Unoccupied Mode (Night Setback)		High Gas Pressure Switch	
Control Accessories		Low Gas Pressure Switch	
Heating Inlet Air Sensor	X	Visual Indication Valves	
Cooling Inlet Air Sensor	X	External Gas Pressure Regulator (Ships loose)	
Dirty Filter Switch		Evaporative Cooling Accessories	
Fire Stat Type III (Ships loose)		Evap Controls - Recirculating pump with auto drain and flush sequence	X
120V/24V Smoke Detector (Ships loose)		Evap Valves (Ship loose)	X
Inlet Damper End Switch		Louvered intake provided with 2" aluminum mesh filters	X
External Cooling Lockout Relay		Warranty Options	
Freeze Protection (Supply Air Low Limit)		Unit Warranty - 1 Year	X
Auxiliary Supply Starter Contacts		5 Year Burner Warranty	
Auxiliary Exhaust Starter Contacts		10 Year Burner Warranty	
Airflow Proving Monitoring Contact			

Standard Option	Std
Not Included	
Included	X

Notes

Evaporative cooler section ships separate and requires field installation.



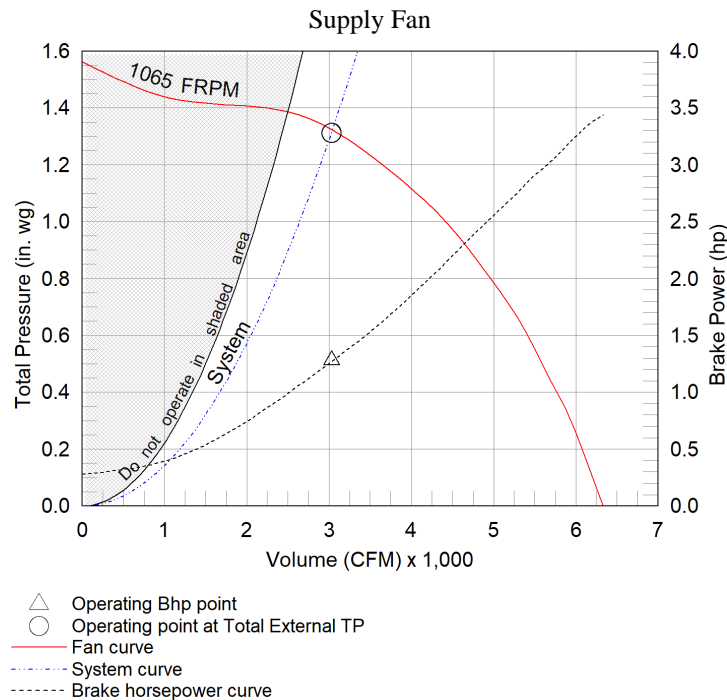
Printed Date: 07/06/2020
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Mark: MUA-1
Model: XDG-112-H20

Fan Charts And Performance

Supply Fan Performance									
Total Volume (CFM)	External SP (in. wg)	Total SP (in. wg)	RPM	Operating Power (hp)	Motor		Fan		
					Qty	Size (HP)	Qty	Type	Drive-Type
3,032	0.5	1.313	1065	1.28	1	1-1/2	1	Forward Curve	Belt

Pressure Drop (in. wg)						
Weatherhood	Filter	Damper	Cooling	Heating	External	Total
-	-	0.061	0.127	0.625	0.5	1.313

Sound Performance in Accordance with AMCA									
Sound Power by Octave Band								Lwa	dBA
62.5	125	250	500	1000	2000	4000	8000		
96	87	76	75	71	69	65	58	79	68
									15.6





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Job: DZ Community School
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Model: XDG-112-H20

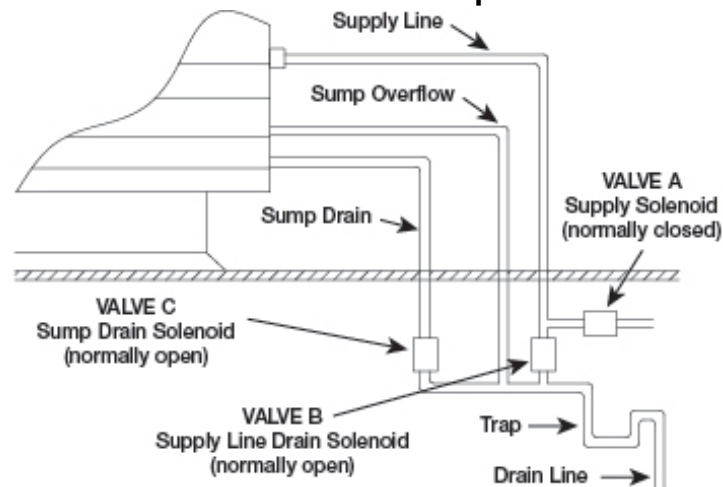
Cooling Specifications

Cooling Performance					
Type	Cooling Media	Media Depth (in.)	Required Flow (GPM)	Performance (DB/WB)	
				EAT (°F)	LAT (°F)
Direct Evaporative	CELdek	12	0.3	94.9 / 65.3	67.4 / 65.3

Unit Details
Stainless steel sump and media casing
Factory provided supply line, drain line and supply line drain solenoid valves
Valve provided for bleed-off rate adjustment

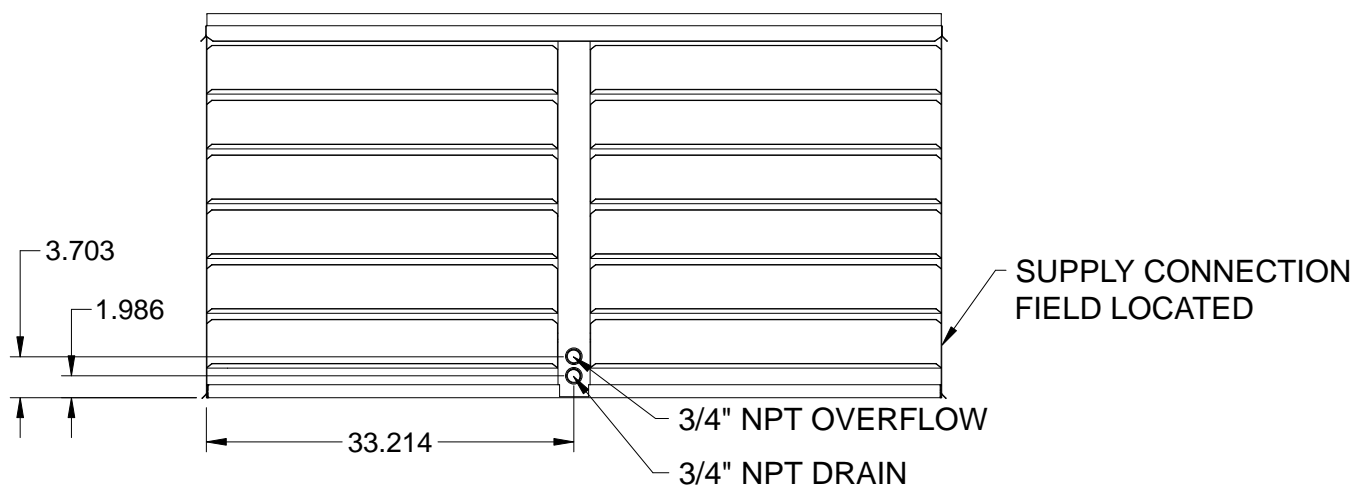
Ball valve for flow rate adjustment
Recirculating pump(s) provided by factory
Auto drain and fill sequence

Auto Drain & Flush Evap Control



Evaporative Cooling Connections

END VIEW





Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

Heating Specifications

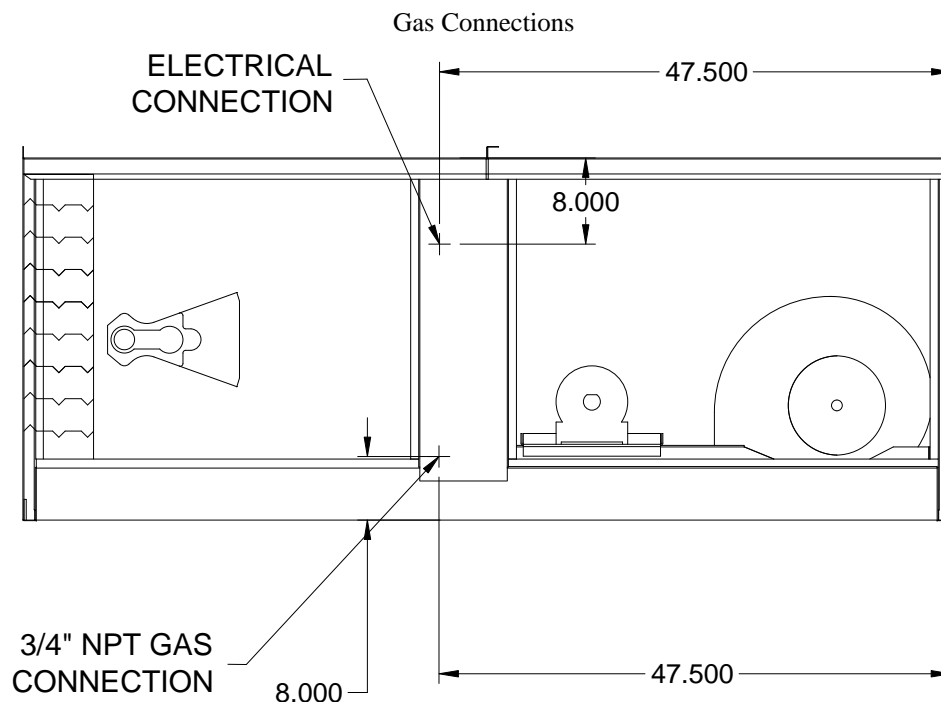
Heating Performance								
Type	Gas Type	Gas Pressure		Capacity (MBH)		Temperature Rise (°F)	Performance	
		Min (in. wg)	Max (Psi)	Input	Output		EAT (°F)	LAT (°F)
Direct Gas	Natural	7	0.5	181.5	167.0	62.5	8.0	70.0

Gas Train Details								
Redundant Main Valves	Electronic Modulating Valve	Pilot Valve	Internal Regulator	Visual Indication Valve	Proof of Closure Valve	Hydraulic Main Valve(s)	Gas Pressure Switch(es)	External Regulator
Std	Std	Std	Std	-	-	-	-	-

Additional Heating Information							
Agency Approvals			Temperature Control	Flame Sensing	Ignition Control	CO2 Sensor	Flame Safeguard Display
ETL	FM Approved	Minnesota Code					
Std	-	-	Discharge	Flame Rod	Pilot	-	-

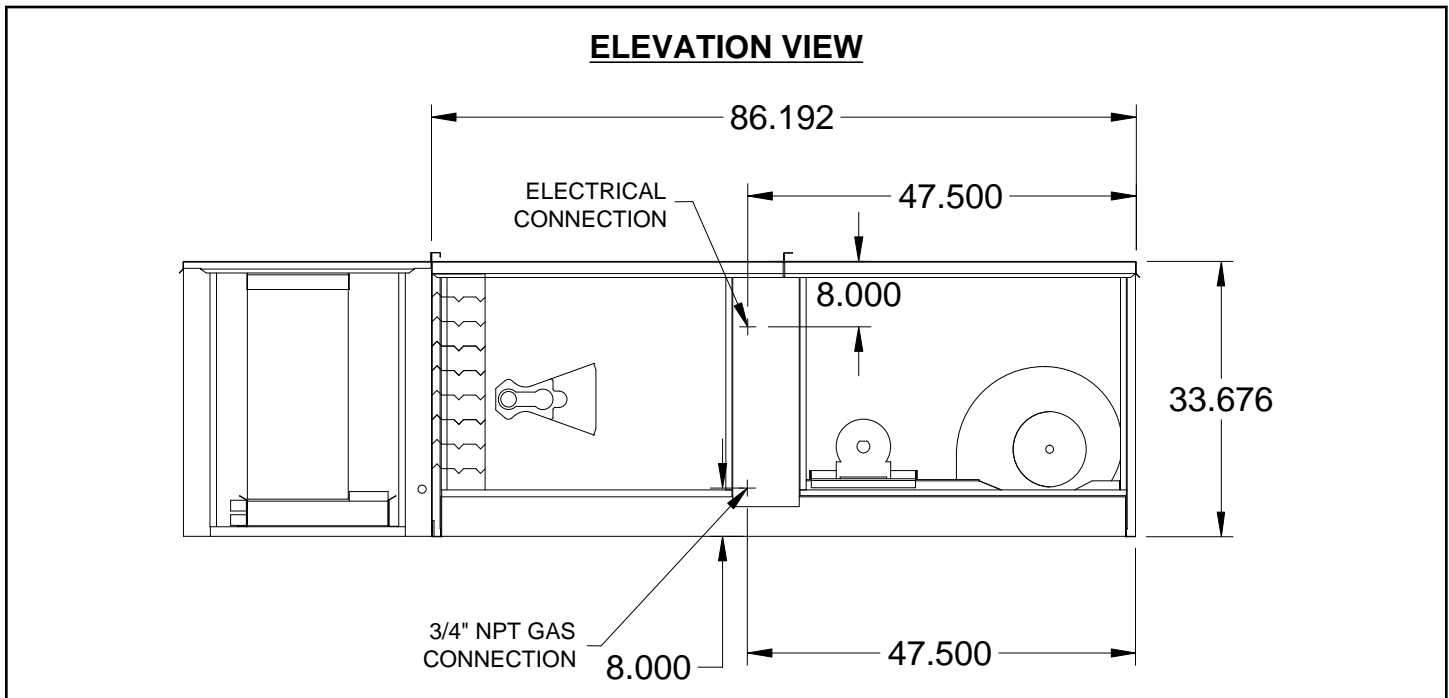
Unit Details
92% thermal efficiency
Cast aluminum burner manifold with stainless steel mixing plates
Electronic modulation burner control

10 second pre-purge sequence
Low fire start





Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20



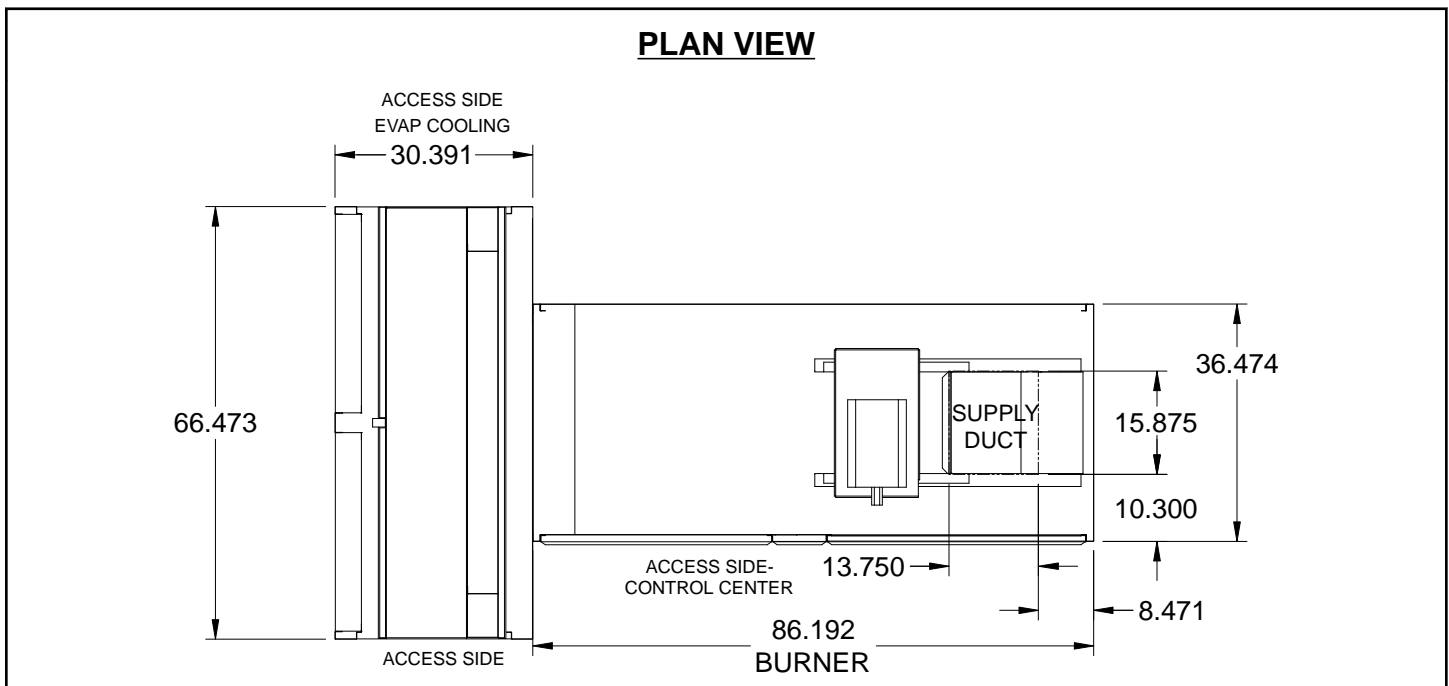
Notes - Elevation View

Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.

Order of unit sections is from intake of unit to discharge of unit.

Sections included on this unit: Cooling Section, Heating Section

Insulation: Double Wall, from Burner Section through end of unit.



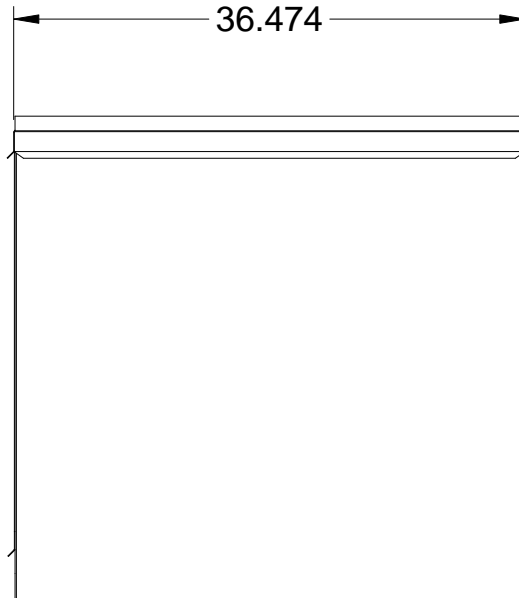
Notes - Plan View

Standard configuration for unit access is on the right-hand side, when looking into the unit intake in the direction of airflow.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

END VIEW

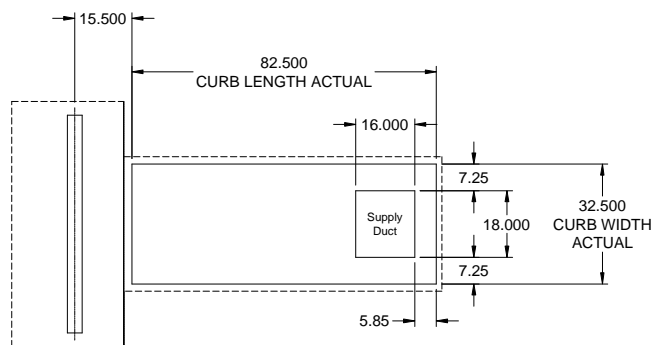


FOOTPRINT VIEW

NOTE: Roof Opening Requirements:

Minimum Roof Opening: The minimum roof opening size is the illustrated duct diameter plus 0.25 in. on all sides.
 For example: If the duct size is 14 x 14 in. square, the minimum roof opening size is 14.5 x 14.5 in. square.

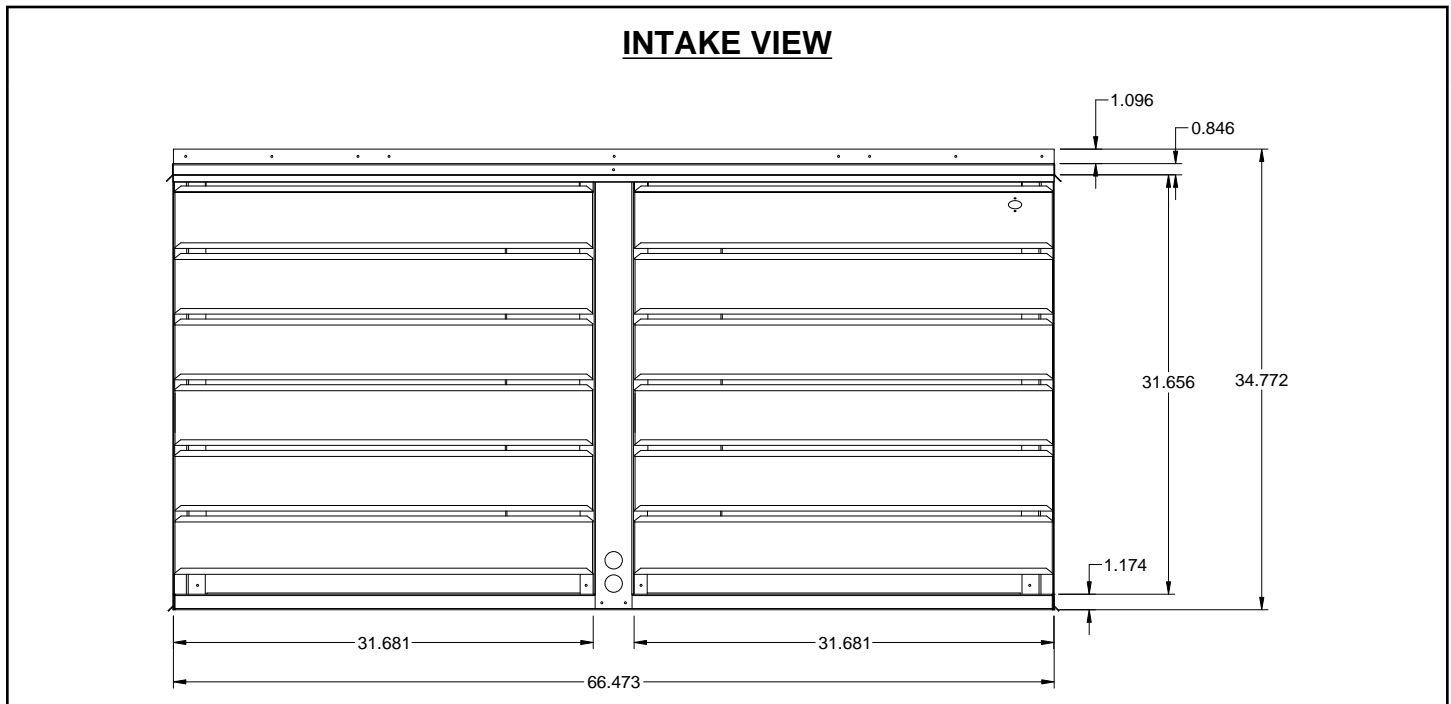
Maximum Roof Opening: There must be a minimum perimeter of 1.75 in. between the roof opening and the roof curb.
 For example: If the roof curb is 75 x 30 in. square, the maximum roof opening is 71.5 x 26.5 in. inches square.



NOTE: The weatherhood and filter sections of the make-up air unit extend beyond the curb. This is by design, to prevent water infiltration. MUA Unit supports are shipped loose with unit.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20





Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

Clearance Specifications

Recommended Minimum Combustible Clearances

	Floor (in.)	Top (in.)	Sides (in.)	Ends (in.)
Insulated Units	0	0	0	0
Non-Insulated Units	0	6	6	6

Notes - Combustible Clearances

Clearance to combustibles is defined as the minimum distance required between the heating source and the adjacent combustible surfaces to ensure the adjacent surface's temperature does not exceed 90 F above the ambient temperature.

Recommended Minimum Service Clearances

Housing 32 and less (in.)	Housing 35 and higher (in.)
42 on the controls side of the unit	48 on the controls side of the unit

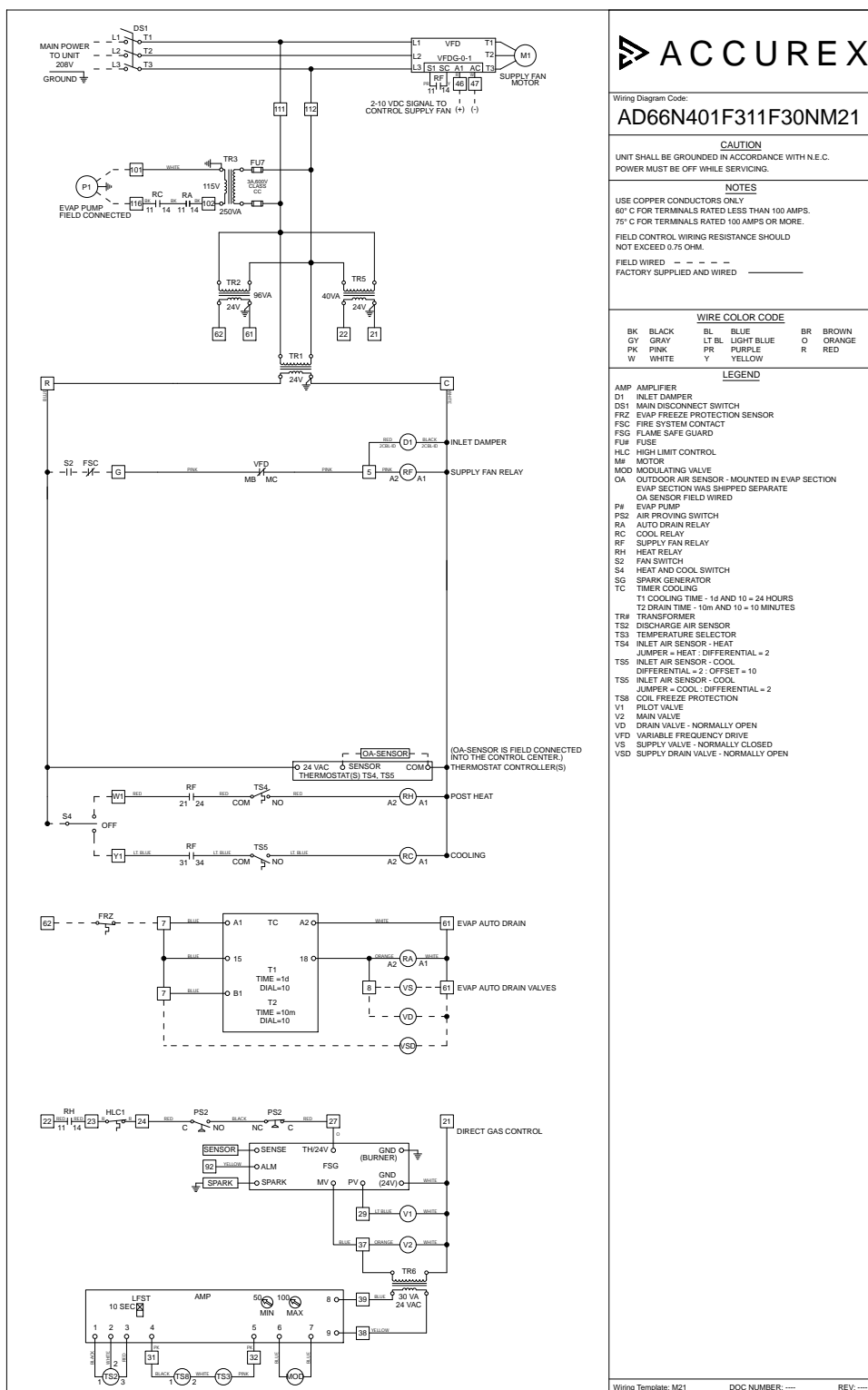
Notes - Service Clearances

To ensure ample space for component removal (evaporative cooling media, coils, filters, etc.), service clearances should be 6 in. wider than the width of the module itself.



Printed Date: 07/06/2020
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Mark: MUA-1
Model: XDG-112-H20

Wiring Diagram

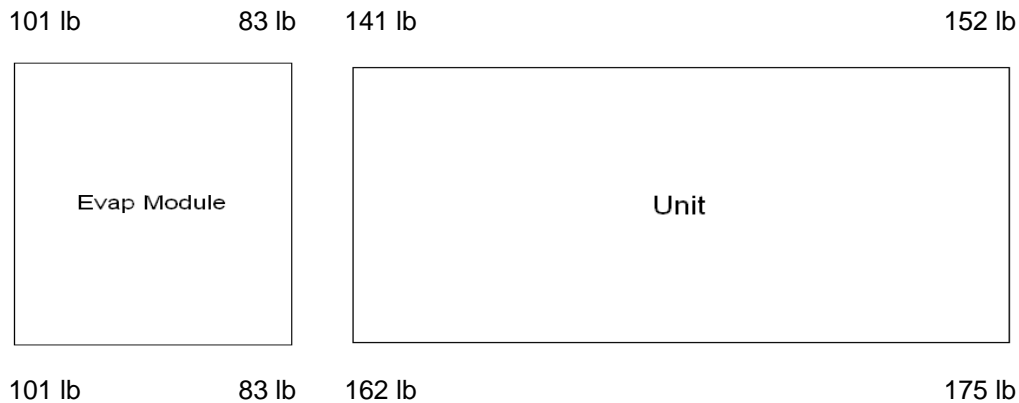


Manufacturer reserves the right to change, modify, or improve this product at anytime

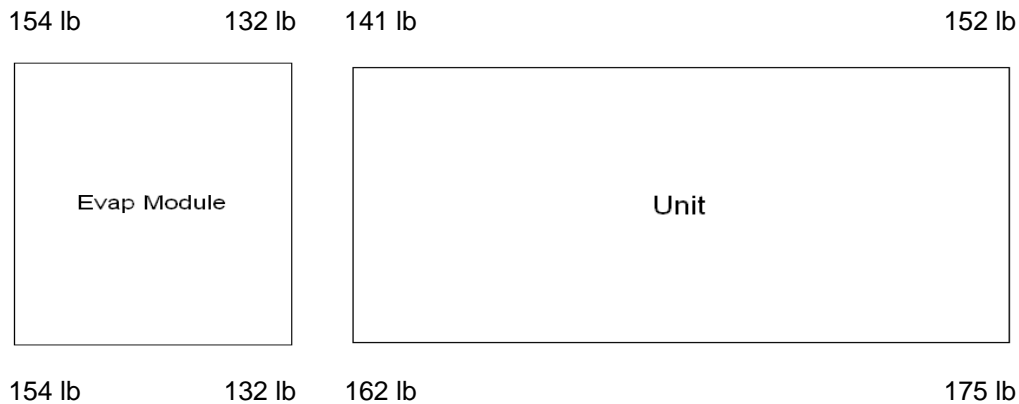


Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

Dry Corner Weights



Wet Corner Weights



Notes

Estimated corner weights are shown looking down on unit and airflow from left to right. Weights are applied at the base of the unit. Evaporative cooling section shown separately due to calculation of dry and wet corner weights. Images not drawn to scale.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

SEQUENCE OF OPERATIONS

Unit Controls

The unit shall be provided from the factory with:

- 24VAC Transformer
- Terminal Strip
- Supply fan VFD
- Factory mounted and wired outdoor air inlet damper with actuator

Field Provided Control Requirements

The following field provided control signals must be provided for proper operation of the unit (Reference the unit wiring diagram for additional information):

- Supply fan enable – Contact closure between R and G (24VAC)
- Cooling enable – Contact closure between R and Y1 (24VAC) *Factory installed jumper allows heating to be enabled automatically by outside air temperature - remove jumper for field provided control.
- Supply fan VFD speed signal – 0-10 VDC

Unit Start-Up Sequence

- Supply Fan Enable Is Received
- Outdoor air inlet damper actuator is energized
- Supply Fan Is Enabled

Supply Fan Sequence

The unit has been provided with a factory mounted variable frequency drive (VFD). The variable frequency drive shall control the supply fan speed as indicated by the following sequence:

External 0-10 VDC Signal By Others:

The supply fan speed is modulated by an external 0-10 VDC signal (field provided and wired) landed to terminals in the unit control center (see unit wiring diagram for details).

Heating Control

A heating enable signal must be present and the supply fan must be enabled before the unit will enable heating.

Heating Inlet Air Sensor (Heating Lockout)

The heating will be locked out when the outside air temperature is above the heating inlet air sensor set point (typical 65 F, adj.)

Direct Gas Fired Heating (Discharge Control)

The gas control amplifier located in the unit shall modulate the heating to maintain a supply temperature set point (55 F-90 F, adj.).

- The set point is adjusted in the unit control center.

Cooling Control

A cooling enable signal must be present and the supply fan must be enabled before the unit will enable cooling.

Cooling Inlet Air Sensor (Cooling Lockout)

The cooling will be locked out when the outside air temperature is below the cooling inlet air sensor set point (typical 80 F, adj.)

Evaporative Cooling (Auto Drain and Fill)

When cooling is enabled the unit shall signal the water supply valve to open, signal the water drain valve to close and energize the recirculating pump. The pump recirculates water from the sump over the evaporative cooling media and a float valve maintains the water level in the sump. The unit will automatically disable the pump and drain the sump for a 10 minute interval (adj.), once every 24 hours (adj.). After the drain interval, fresh water fills the sump reducing mineral concentrations. A non-adjustable freeze protection sensor shall also drain the sump, disable the pump and drain the supply line when outside air falls below 45 F.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

Evaporative Cooling Valves (Factory Provided)

The following 24 VAC solenoid valves shall be factory provided and shipped loose for field installation and wiring:

- Supply Valve: Normally Closed (NC)
- Drain Valve: Normally Open (NO)
- Supply Line Drain Valve: Normally Open (NO)



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: XDG-112-H20

Warranty Statement for Make-Up Air

Unit Warranty

Accurex warrants the equipment to be free from defects in material and workmanship for a period of 1 year (standard) from the shipment date.

DG Burner Extended Warranty

The warranty does not include items deemed as consumable components, including, but not limited to: Igniters, Spark rods, Spark generator, Flame rods, Flame wires, UV eye components, and associated components.

Note: Rust, discoloration of the burner material and cracks or holes smaller than .75 in. is not qualification for a defective burner.

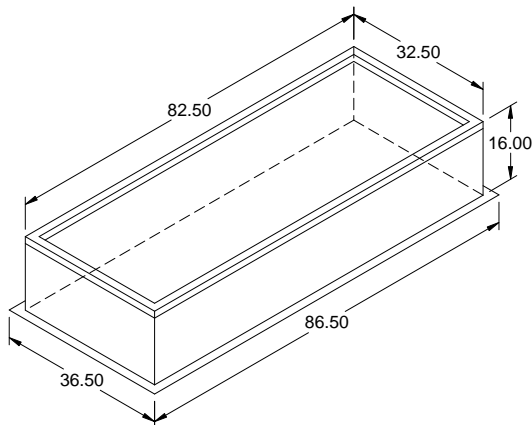
Warranty Notes

Any component which proves defective during the warranty period will be repaired or replaced at Accurex's sole option when returned to our factory, transportation prepaid. All warranties do not include labor costs associated with troubleshooting, removal, or installation. Accurex will not be liable for any consequential, punitive, or incidental damages resulting from use, repair, or operation of any Accurex product. These warranties are exclusive and are in lieu of all other warranties, whether written, oral, or implied, including the warranty of merchantability and the warranty of fitness for a particular purpose. No person (including any agent or salesperson) has authority to expand Seller's obligation beyond the terms of this warranty, or to state that the performance of the product is other than that published by Seller.

As a result of our commitment to continuous improvement, Accurex reserves the right to change specifications without notice.



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: TAP-GPI



Model: GPI

Roof Curb

Standard Construction Features:

- Roof Curb fits between the building roof and the fan mounted directly to the roof support structure - Constructed of either 18 ga galvanized steel or 0.064 in. aluminum - Straight Sided without a cant - 2 in. mounting flange - 3 lb density insulation - Height - Available from 12 in. to 42 in. as specified in 0.5 in. increments. Notes: - The maximum roof opening dimension should not be greater than the "Actual" top outside dimension minus 2 in.. - The minimum roof opening dimension should be at least 2.5 in. more than the damper dimension or recommended duct size. - The Roof Opening Dimension may or may not be the same as the Structural Opening Dimension. - Damper Tray is optional and must be specified. Tray size is same as damper size. - Security bars are optional and must be specified. Frames and gridwork are all 12 ga steel. Gridwork is welded to the frame and the frame is welded to the curb.

General

Tag	Qty	Model	Sizing Method	Undersizing (in.)	Weight (lb)
	1	GPI-34 x 84	Nominal	1.5	105

Dimensions

Curb Height (in.)	Nominal Outside Width (in.)	Nominal Outside Length (in.)	Actual Outside Width (in.)	Actual Outside Length (in.)	Flange Width (in.)	Flange Length (in.)
16	34	84	32.5	82.5	36.5	86.5

Accessories

Material	Security Bars	Liner	Insulation (in.)
Galvanized	No	No	1



Printed Date: 07/06/2020
Job: DZ Community School
Mark: MUA-1
Model: TAP-GPI

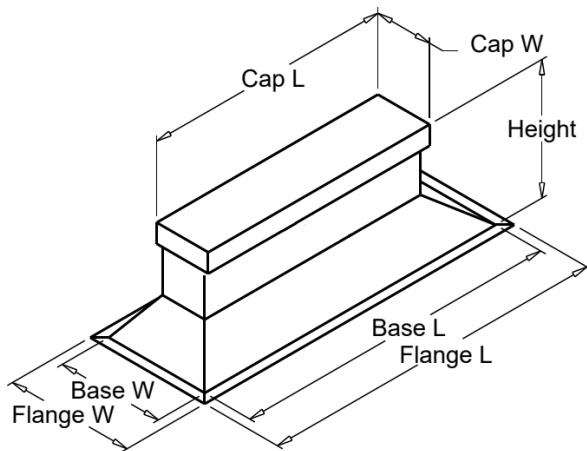
Model: GESS

Non-Insulated, Flat Roof Equipment Support

Standard Construction Features:

- Welded construction (see Material Note) - Built in 45 degree cant - Wood nailer - Flashing cap. NOTES: - MAXIMUM design load of 400 lb per isolator. - Not designed to handle extreme weights or concentrated point loading such as spring isolated fans where the entire product weight is carried via a small footprint.

MATERIAL NOTE: - If Length <= 44 OR Height <= 12: Galvanized is 18 ga and Aluminum is 0.064 in. - If Length > 44 OR Height > 12: Galvanized is 16 ga and Aluminum is 0.080 in.



Dimensions

ID#	Tag	Qty	Length (in.)	Flange Width (in.)	Flange Length (in.)	Base Width (in.)	Base Length (in.)	Cap Width (in.)	Cap Length (in.)
		1	59	11.75	67.25	9.5	65	5	60.5

Accessories

ID#	Material	Width (in.)	Height (in.)	Sizing
	Galvanized	4	???	Nominal



Printed Date: 07/06/2020
Job: DZ Community School
Mark: Variable Volume Controls
Model: Variable Volume

Variable Volume

Accurex Vari-Flow Controls

Standard Construction Features:

Includes control system, VFDs (unless otherwise stated), Temperature Sensors, Keypad. IMC 507.2.1.1 compliant.
 Temperature Interlock Provided and Complies with International Mechanical Code 2015 Section 507.1.1

Options & Accessories:

Mounting Option	Remote Cabinet: (36 X 12 X 24), 91.88 lbs
Exhaust Fan Quantity	1
Supply Fan Quantity	1
VFD Quantity Provided by Others	1
Light Circuit Quantity	1 Light circuit(s) available.
User Interface	Keypad with LCD Display
Keypad Mounting Location	Ship Loose for Remote Mounting (includes 35 ft. of cable)
Lights Out In Fire	Lights will turn off when in fire mode.
Supply Airflow Operation	Proportional Tracking
Exhaust On In Fire	Exhaust fans will run when in fire mode.

Controlled Fans:

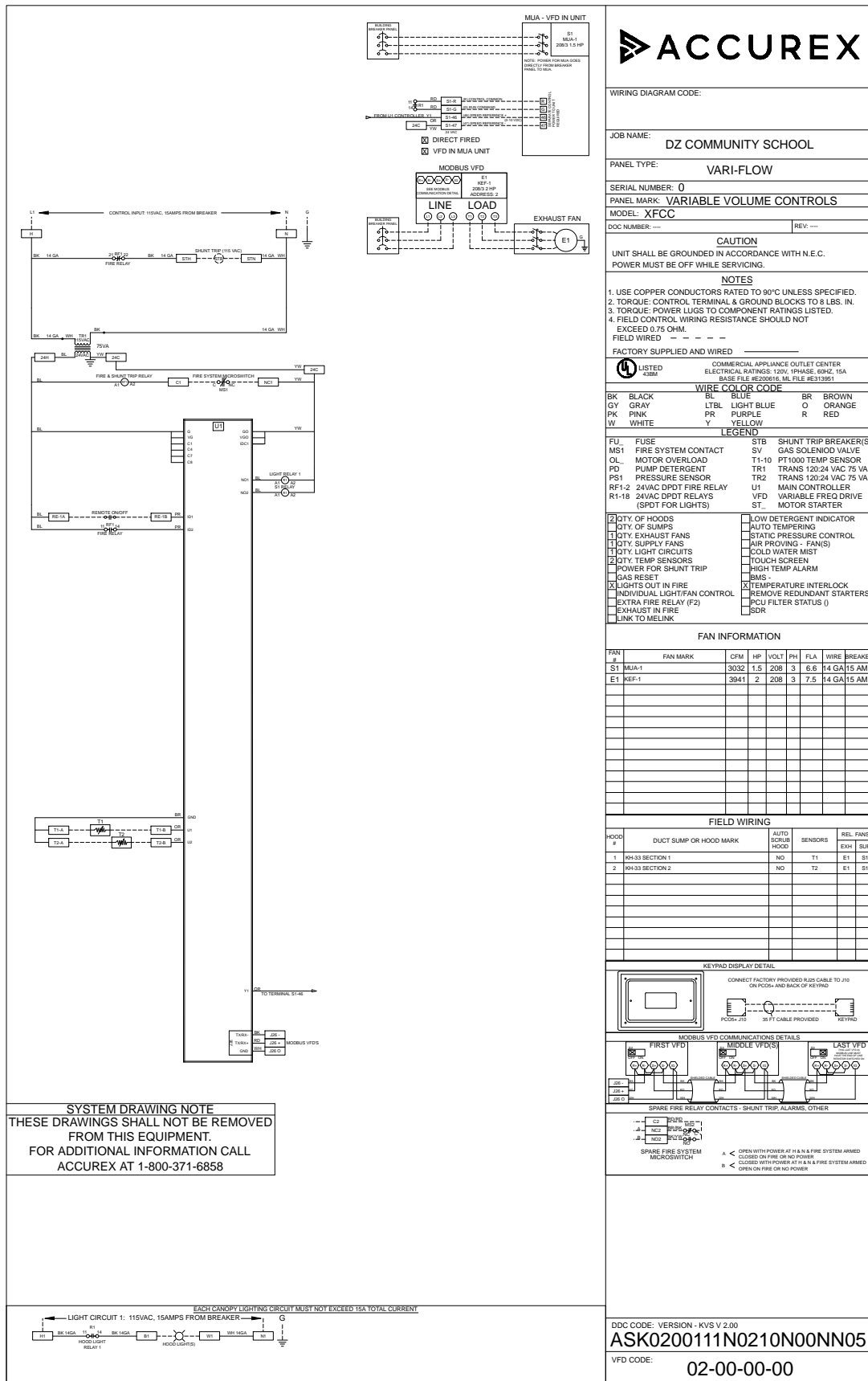
Fan Mark	Fan Type	Supplied By	Phase	HP	Voltage	NEC FLA	VFD Required	VFD Provided
KEF-1	Exhaust	Manufacturer	3	2	208	7.500	Yes	Yes
MUA-1	Supply	Manufacturer	3	1.5	208	6.600	Yes	No

Controlled Hood Sections and Fan Relationships:

KH-33 Section 1 - Number of Sensors = 1	
	Supply Fan Mark - MUA-1
	Exhaust Fan Mark - KEF-1
KH-33 Section 2 - Number of Sensors = 1	
	Supply Fan Mark - MUA-1
	Exhaust Fan Mark - KEF-1

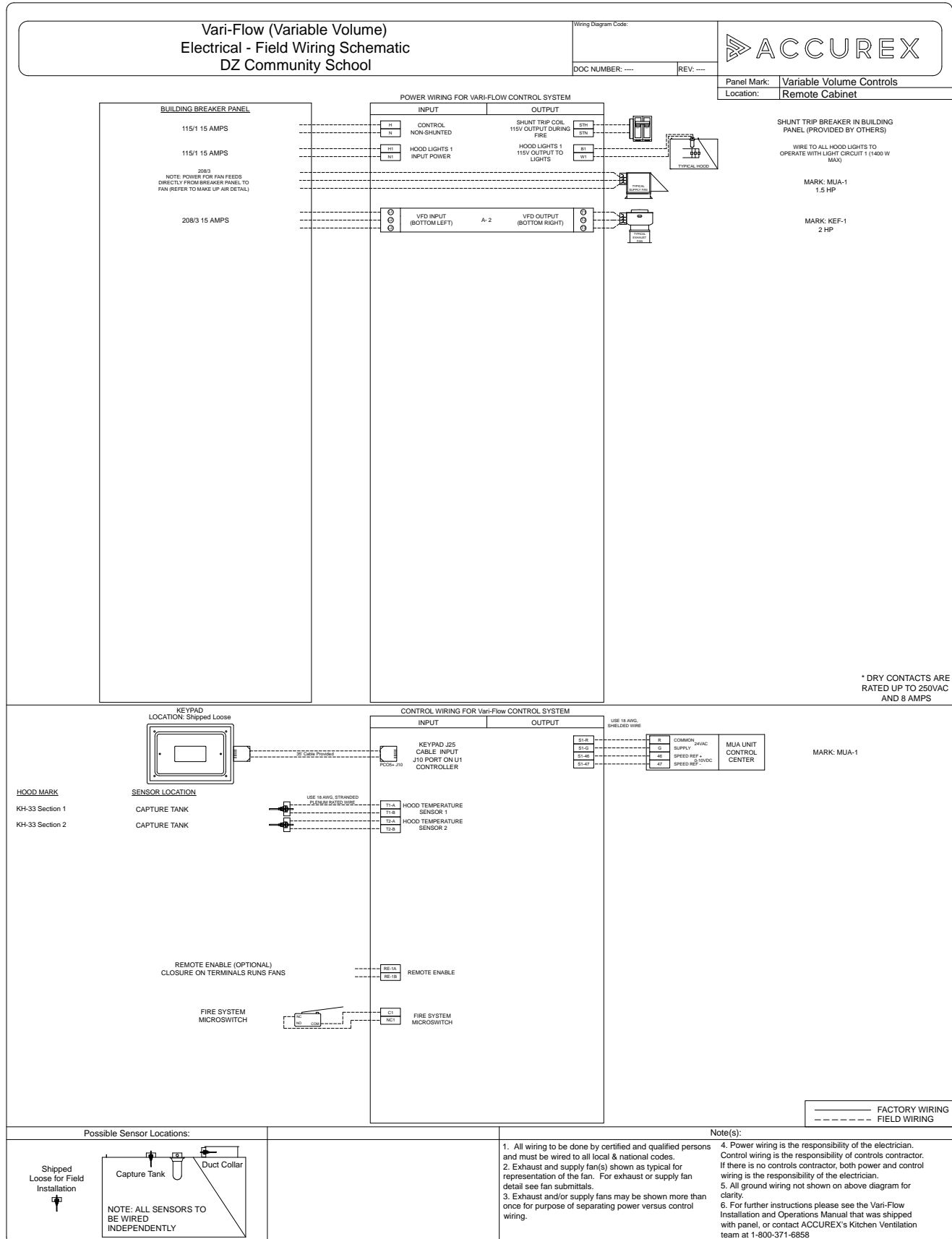


Printed Date: 07/06/2020
Job: DZ Community School
Mark: Variable Volume Controls
Model: Variable Volume





Printed Date: 07/06/2020
Job: DZ Community School
Mark: Variable Volume Controls
Model: Variable Volume



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 COMMUNITY SCHOOL

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Page 26 of 26

Submittal Sheet**ITEM# 40 - FIRE SUPPRESSION SYSTEM (1 EA REQ'D)**

Accurex

Fire Suppression System, Hood System Size: 7.5 Gallon, Remote Mounted Cabinet, All Required System Parts Included, Wall Mounted Enclosure, Pre-piped Hood with Electric Detection, Appliance Specific Coverage, Factory Coordinated Install, Metal Blow Off Caps, Permits and Puff (air) Test Included, Protects hood(s): Accessories: Electrical Shutoff Valve, 2", 110V, 60Hz, 1 Remote Pull Station(s)
(INCLUDED IN ITEM # 39)

Submittal Sheet**ITEM# 41 - WALL FLASHING (1 EA REQ'D)**

Accurex

Stainless Wall Flashing
(INCLUDED IN ITEM # 39)

Submittal Sheet

ITEM# 42 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 43 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 44 - HAND SINK (1 EA REQ'D)

Advance Tabco 7-PS-96

Hand Sink, pedestal mounted base, 14" wide x 10" front-to-back x 5" deep bowl, 7-3/4"H left & right side splashes, 20 gauge 304 stainless steel, splash mounted faucet, pedal valves with easy access design, basket drain, wall bracket, NSF, cCSAus

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	K-425	Thermostatic Mixing Valve, for knee pedal, foot pedal and electronic hand sinks and valves



7-PS-90



7-PS-99



7-PS-96



7-PS-95



7-PS-18

NOW AVAILABLE

Tankless Electric Heater
Only Needs Cold Water Supply

7-PS-92

Please See
Tankless Heater
Specification Sheet
for Details



STAINLESS STEEL

HAND SINKS PEDESTAL BASE



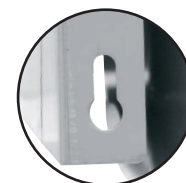
Conforms To NSF 61/9 Lead Free Requirements

Item #: _____ Qty #: _____

Model #: _____

Project #: _____

**Keyhole Bracket for
easier installation
and greater stability.**

**FEATURES:**

One piece **Deep Drawn** sink bowl design.

Sink bowl is 10" x 14" x 5"*.
(*7-PS-18 sink bowl is 14" x 16" x 6")

All sink bowls have a large liberal radii with a minimum dimension of 2" and are rectangular in design for increased capacity.

Keyhole wall mount bracket.

Stainless steel basket drain 1-1/2" IPS.

Flush-to-wall unit.

"Hands Free" splash mounted gooseneck faucet furnished with aerator.

Foot Pedal Valve for water operation.

Easy removable panel to access hidden plumbing.

Specific Features:

7-PS-95 towel dispenser with hinged towel box. Unit uses standard C-fold towels. Liquid Soap dispenser.

7-PS-96 includes two 7-3/4" high Side Splashes.

7-PS-99 towel dispenser & soap dispenser plus trash receptacle & cabinet storage.

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces and to a satin finish.

Die formed Countertop Edge with a No-Drip offset.

One sheet of stainless steel - No Seams.

MATERIAL:

Heavy gauge type 304 series stainless steel.

Wall mounting bracket is galvanized and of offset design.

All fittings are brass / chrome plated unless otherwise indicated.

MECHANICAL:

Single pedal mixing valve with 3/8" NPT Female. Built in check valve. Front operated temperature adjustment.

(Contractor on site must connect faucet to foot pedal operated valves.)

⚠ WARNING:

Equipment that includes a faucet may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more Info., visit www.p65warnings.ca.gov.



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

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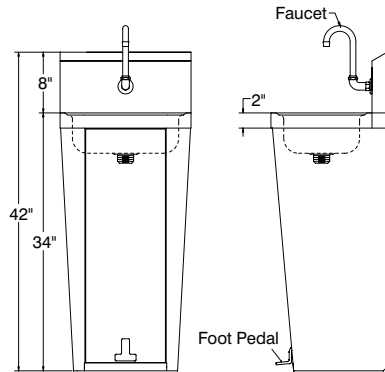
DIMENSIONS and SPECIFICATIONS

TOL Overall: $\pm .500''$ Interior: $\pm .250''$

FITTINGS SUPPLIED AS SHOWN

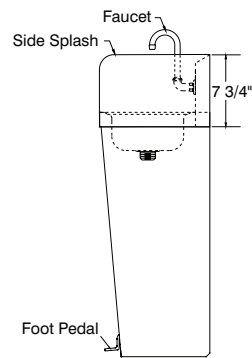
ALL DIMENSIONS ARE TYPICAL

7-PS-90

Pedestal Base Front View
For 7-PS-90 & 7-PS-96

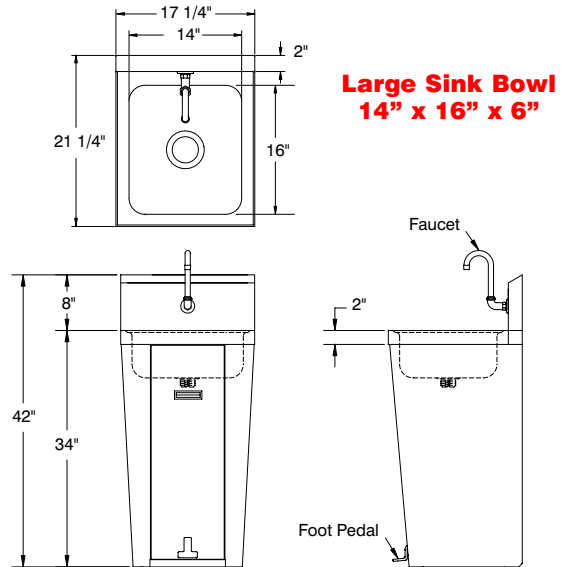
41 lbs.

7-PS-96



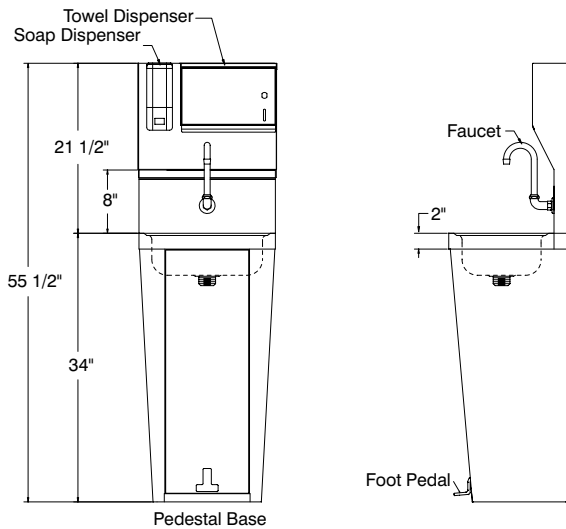
47 lbs.

7-PS-18



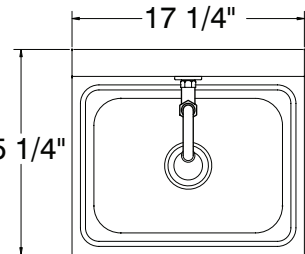
50 lbs.

7-PS-95

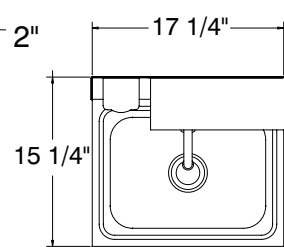


54 lbs.

TOP VIEW 7-PS-90 & 7-PS-96

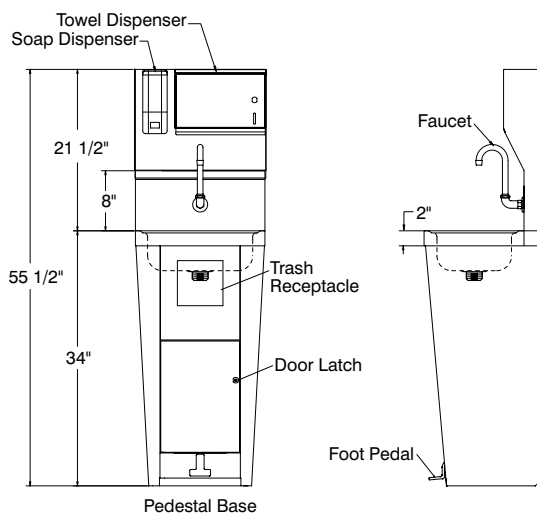


TOP VIEW 7-PS-95 & 7-PS-99



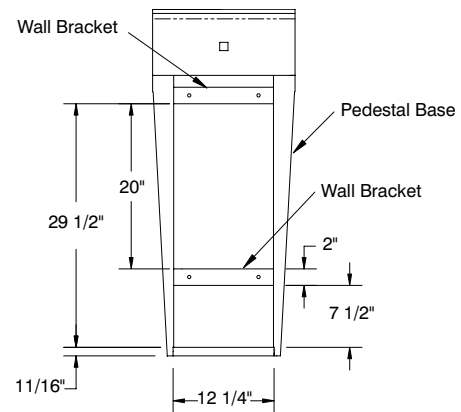
Sink Bowls 10" x 14" x 5"

7-PS-99



59 lbs.

REAR VIEW OF STANDARD PEDESTAL BASE UNITS



FAUCET PARTS & ACCESSORIES

Faucet Repair Kit

For K-22, K-59, K-123, K-125, K-126, K-206 & K-316 Faucets
Includes 2 Cartridges and Handles

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-00A (Set of 2)



K-02 Filler Faucet Repair Kit

For K-54 & K-54A Faucets

*Can Only Be Used On Faucets Purchased From 2016 - 2019. For Older Faucets, See Below.



Faucet Repair Kit

For K-1, K-11, K-50, K-51, K-52, K-53, K-56, K-124, K-101, K-160, K-208 & K-240 Faucets
Includes 2 Cartridges and Handles

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-00B (Set of 2)



K-02A Filler Faucet Repair Kit

For K-54 & K-54A Faucets

*Can Only Be Used On Faucets Purchased Before January 2016 or After 2019.



Service Faucet Vacuum Breaker Repair Kit

For K-240 Faucet

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

K-03

Pedal/Knee Valve Replacement Parts

Replacement Bonnet for Pedal/Knee Valve

For K-103, K-104, 7-PS-32 & 7-PS-39

K-01



Replacement Check Valves

For K-103, K-104, 7-PS-32 & 7-PS-39

K-19



Thermostatic Mixing Valve

For K-103, K-104, 7-PS-32 & 7-PS-39

K-425



Mixing Valve & Retainer

For K-103, K-104, 7-PS-32 & 7-PS-39

K-19A



Faucet Options & Accessories

Hands-Free Wand



K-400



Low Flow Aerator



K-08

.5 GPM

Wrist Handles (Pair)



K-316-LU

*Can Only Be Used On Faucets Purchased After January 2016. For Older Faucets, Consult Customer Service.

Wrist Handles (Pair)

For Heavy Duty 8" O.C. Faucets



K-416-LU

Splash Mount Faucet Mounting Kit

K-1, K-11, K-101, K-105, K-112, K-119 & K-211

K-06



Faucet Wall Mounting Bracket

8" O.C.

K-30



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Submittal Sheet**ITEM# 45 - WORK TABLE, STAINLESS STEEL TOP (1 EA REQ'D)**

Advance Tabco KMS-303

Work Table, 36"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs & adjustable bullet feet, NSF



STAINLESS STEEL WORK TABLES

STANDARD Series - 5" Backsplash - Undershelf Style

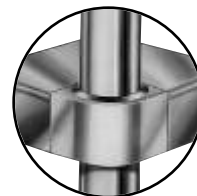
Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____



NEW
Rolled Rim Edges on
Front & Splash on
Back and Square
Side Edges



Featuring as Standard:
"THE PROVEN"
ORIGINAL ADVANCE TABCO
Adjustable Undershelf
with Die Cast Leg Clamp

FEATURES:

Top is furnished with a 1 5/8" sanitary rolled rim edge on front, 1 5/8" square side edges, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undershelf is adjustable.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:

KMS-SERIES: Stainless Steel Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

KMG-SERIES: Galvanized Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMS-240	KMS-300	
24"	KMS-242	KMS-302	
36"	KMS-243	KMS-303	KMS-363
48"	KMS-244	KMS-304	KMS-364
60"	KMS-245	KMS-305	KMS-365
72"	KMS-246	KMS-306	KMS-366
84"	KMS-247	KMS-307	KMS-367
96"	KMS-248	KMS-308	KMS-368
108"	KMS-249	KMS-309	KMS-369
120"	KMS-2410	KMS-3010	KMS-3610
132"	KMS-2411	KMS-3011	KMS-3611
144"	KMS-2412	KMS-3012	KMS-3612



KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMG-240	KMG-300	
24"	KMG-242	KMG-302	
36"	KMG-243	KMG-303	KMG-363
48"	KMG-244	KMG-304	KMG-364
60"	KMG-245	KMG-305	KMG-365
72"	KMG-246	KMG-306	KMG-366
84"	KMG-247	KMG-307	KMG-367
96"	KMG-248	KMG-308	KMG-368
108"	KMG-249	KMG-309	KMG-369
120"	KMG-2410	KMG-3010	KMG-3610
132"	KMG-2411	KMG-3011	KMG-3611
144"	KMG-2412	KMG-3012	KMG-3612

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



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NEVADA
Fax: (775) 972-1578

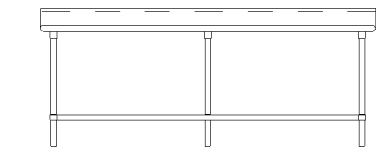
DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

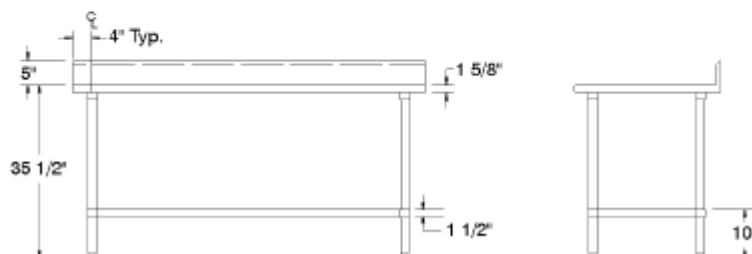
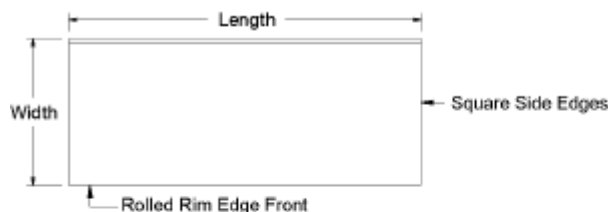
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

KMS & KMG Series Undershelf Style 5" Backsplash

Finished size of undershelf = Length minus 5 3/4"
Width minus 5 3/4"



Units 8ft. and larger are furnished with six (6) legs



KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMS-240	55 lbs.	KMS-300	70 lbs.		
24"	KMS-242	50 lbs.	KMS-302	56 lbs.		
36"	KMS-243	66 lbs.	KMS-303	77 lbs.	KMS-363	92 lbs.
48"	KMS-244	81 lbs.	KMS-304	92 lbs.	KMS-364	101 lbs.
60"	KMS-245	95 lbs.	KMS-305	111 lbs.	KMS-365	121 lbs.
72"	KMS-246	113 lbs.	KMS-306	129 lbs.	KMS-366	142 lbs.
84"	KMS-247	135 lbs.	KMS-307	153 lbs.	KMS-367	169 lbs.
96"	KMS-248	150 lbs.	KMS-308	171 lbs.	KMS-368	189 lbs.
108"	KMS-249	165 lbs.	KMS-309	195 lbs.	KMS-369	260 lbs.
120"	KMS-2410	268 lbs.	KMS-3010	294 lbs.	KMS-3610	315 lbs.
132"	KMS-2411	301 lbs.	KMS-3011	331 lbs.	KMS-3611	358 lbs.
144"	KMS-2412	316 lbs.	KMS-3012	346 lbs.	KMS-3612	373 lbs.

KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMG-240	55 lbs.	KMG-300	70 lbs.		
24"	KMG-242	50 lbs.	KMG-302	56 lbs.		
36"	KMG-243	66 lbs.	KMG-303	77 lbs.	KMG-363	92 lbs.
48"	KMG-244	81 lbs.	KMG-304	92 lbs.	KMG-364	101 lbs.
60"	KMG-245	95 lbs.	KMG-305	111 lbs.	KMG-365	121 lbs.
72"	KMG-246	113 lbs.	KMG-306	129 lbs.	KMG-366	142 lbs.
84"	KMG-247	135 lbs.	KMG-307	153 lbs.	KMG-367	169 lbs.
96"	KMG-248	150 lbs.	KMG-308	171 lbs.	KMG-368	189 lbs.
108"	KMG-249	165 lbs.	KMG-309	195 lbs.	KMG-369	260 lbs.
120"	KMG-2410	268 lbs.	KMG-3010	294 lbs.	KMG-3610	315 lbs.
132"	KMG-2411	301 lbs.	KMG-3011	331 lbs.	KMG-3611	358 lbs.
144"	KMG-2412	316 lbs.	KMG-3012	346 lbs.	KMG-3612	373 lbs.



Submittal Sheet

ITEM# 46 - PLANETARY MIXER (1 EA REQ'D)

Globe SP08

Planetary Mixer, 8 qt., countertop model, 3-speed (fixed), gear-driven transmission, front-mounted touchpad controls with 15-minute digital timer, safety interlocked bowl lift, thermal overload protection, includes: polycarbonate bowl guard with chute, stainless steel bowl & whip, aluminum beater & spiral dough hook, cast aluminum body, 1/4 HP, 115v/60/1-ph, 5.0 amps, cord, NEMA 5-15P, NSF, cETLus

ACCESSORIES

Mfr	Qty	Model	Spec
Globe	1		2 year parts & labor warranty (1 year parts only warranty on agitator and hub accessories, no labor provided) (excludes wear items), standard

ELECTRICAL

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

Project Name: _____ AIA#: _____

Model #: _____ Location: _____

SIS#: _____ Item #: _____ Quantity: _____



The Perfect Mix of Performance and Value

8 Quart Planetary Countertop Power Mixer

**Small Size,
Big Performance**

Perfect for restaurants, culinary schools, bakeries and small kitchens.



Model

☐ SP08

Standard Features

- Powerful 1/4 HP custom built motor
- Three fixed speeds
- Thermal overload protection
- Front mounted touch pad control panel with 15-minute digital timer
- Removable splash cover and bowl lift
- 6-foot cord and ground plug
- Gear-driven, high-torque transmission
- Heat-treated hardened steel alloy gears & shafts
- Permanently lubricated transmission
- Rigid cast aluminum body

Standard Accessories/Attachments

- 8 qt stainless steel bowl (#304 series)
- Aluminum flat beater
- Stainless steel wire whip
- Aluminum spiral dough hook
- Polycarbonate splash cover with ingredient chute

Warranty

- Two year parts and labor

Optional Accessories/Attachments

- Stainless steel flat beater
- Stainless steel spiral dough hook
- Mixer table with undershelf
- Extended warranty

To select options, see complete list on back



AutoQuotes

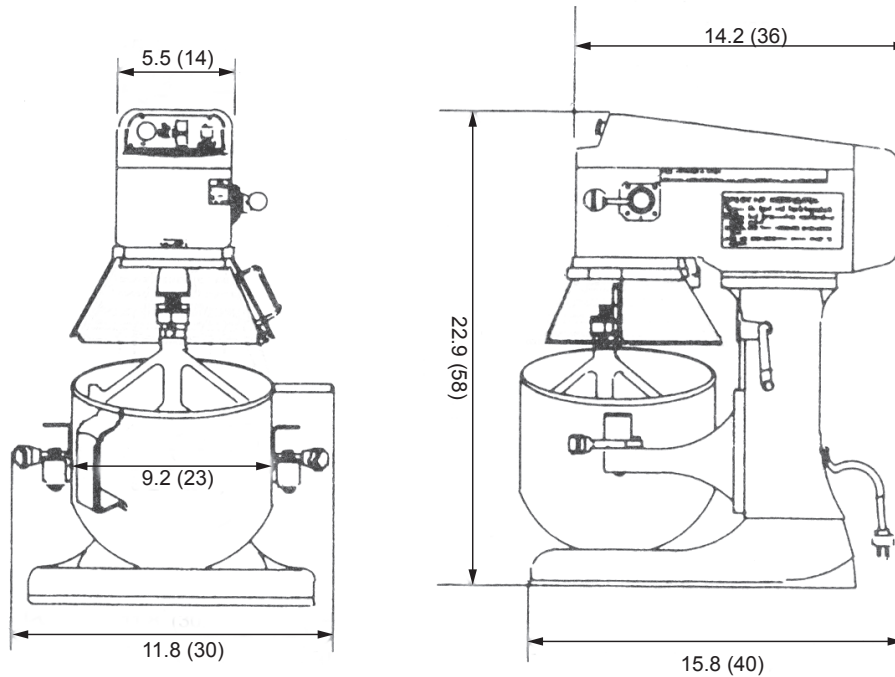
Approved by: _____ Date: _____

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

715 Dryden St. Dayton, OH 45439 | 937-299-5493 | 800-347-5423 | Fax: 937-299-4147 | www.globefoodequip.com



8 Quart Planetary Countertop Mixer

SP08


Drawings available through KCL at www.kclcad.com.

SPECIFICATIONS

Model	Motor	Volts	Amps	Transmission Type	Capacity	Controls	Agitator Speeds (RPMs)		
							1st	2nd	3rd
SP08	1/4 HP	115/60/1	5	Gear	8 qt 7.6 liter	Front-mounted digital controls & timer	132	234	421

Cord & Plug: Attached 6-foot flexible 3-wire cord with molded plug fits a grounded receptacle. NEMA 5-15P (⚡)

DIMENSIONS | SHIPPING INFORMATION

Carton reinforced for shipping. The weight and dimensions of this reinforced carton are included below and may vary from shipment to shipment.

Model	Overall Dimensions	Net Wt	Shipping Dimensions	Shipping Wt
SP08	11.8" w x 15.8" d x 22.9" h (30 cm x 40 cm x 58 cm)	55 lbs (25 kg)	14" w x 18" d x 26" h (35 cm x 45 cm x 66 cm)	62 lbs (28 kg)

Mixer is constructed of a rigid cast aluminum body with 3 fixed speeds. Unit has a 1/4HP motor with thermal overload protection and a gear-driven, high torque, permanently lubricated transmission. Mixer comes with 8 qt. stainless steel bowl, flat beater, wire whip, dough hook and removable splash cover with ingredient chute. Mixer has safety interlocked bowl lift. Mixer is NSF and ETL listed. Two year parts and labor warranty.

OPTIONAL MIXER ACCESSORIES AND HUB ATTACHMENTS

MIXER:

- ☐ **XXBOWL-08** 8 qt stainless steel bowl
- ☐ **XXBEAT-08** Aluminum flat beater
- ☐ **XXBEAT-08SS** Stainless steel flat beater
- ☐ **XXHOOK-08** Aluminum dough hook

- ☐ **XXHOOK-08SS** Stainless steel dough hook
- ☐ **XXWHIP-08** Stainless steel wire whip
- ☐ **XTable** Stainless steel countertop mixer table with undershelf (30" w x 24" d x 24" h)

- ☐ **EXTENDED WARRANTY SP-XD58**
Extended warranty for SP08 mixer, extends factory warranty to 3 years. **Available only at time of purchase.**

Submittal Sheet

ITEM# 47 - CAN OPENER (1 EA REQ'D)

NIC 203/115V

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Edlund - Model 203

Can Opener, electric, 2-speed (slower speed is ideal for opening smaller cans), recommended usage is up to 75 cans per day, 115v/60/1-ph

ELECTRICAL

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

Edlund Electric Can Openers

For foodservice operations that open up to 75 cans per day, Edlund Electric Can Openers are a smart choice. These time-tested, commercial openers offer ultimate convenience while providing a choice of countertop or portable models.



- Effortless electric operation
 - Spring-loaded mechanism opens even
- Dzilh-Na-O-Dith-Hle
COMMUNITY SCHOOL
- Available in single speed, or two speed
models for multiple can sizes

- Replaceable knife and gear provide long life
- Opens most shapes and sizes
- Compact design allows for easy storage when not in use

- Sleek stainless steel construction provides durable operation and cleans easily
- Model 201 features high impact lexan plastic housing
- Made in U.S.A.

Our countertop and portable electric openers put a handle on can opening convenience.



Model 203
2 speed can opener



Model 201
"Take the can opener to the cans"



Model 266
Single speed can opener

FEATURES:

- Countertop or portable convenience
- Effortless electric operation
- Opens most can shapes/sizes
- Durable stainless steel construction
- Model 201 features high impact lexan plastic housing
- Replaceable knife and gear
- Spring-loaded mechanism opens even dented cans
- Compact design allows for easy storage when not in use
- Available in 115 or 230 volt
- Made in U.S.A.
- UL listed

SPECIFICATIONS:

MODEL #	DESCRIPTION	PRODUCT CODE	CASE CUBE FT ³ /M ³	MASTER CASE	CASE WEIGHT LBS./KGS
203	Electric Can Opener 115 Volt 2 speeds	23100	1.1/.03	3	42/18.9
203	Electric Can Opener 230 Volt 2 speeds	23200	1.1/.03	3	42/18.9
266	Electric Can Opener 115 Volt	26100	1.1/.03	3	42/18.9
266	Electric Can Opener 230 Volt	26200	1.1/.03	3	42/18.9
201	Portable Electric Can Opener 115 Volt	21100	1.1/.03	3	23/10.4
201	Portable Electric Can Opener 230 Volt Note: Not available for use in the EU.	21200	1.1/.03	3	23/10.4



DZILTH-NA-O-DITH-HLE

COMMUNITY SCHOOL



Edlund Company, Inc., 159 Industrial Parkway, Burlington, VT 05401, USA 800-772-2126 www.edlundco.com

WARRANTY INFORMATION: EDLUND COMPANY, INC. WARRANTS THAT ITS PRODUCTS WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. THE COMPANY'S OBLIGATION UNDER THIS WARRANTY IS LIMITED TO REPAIRING OR REPLACING WITHOUT CHARGE ANY PART OR PARTS FOUND TO BE DEFECTIVE UNDER NORMAL USE. IT IS THE RESPONSIBILITY OF THE PURCHASER TO RETURN THE ENTIRE UNIT TO THE FACTORY, TRANSPORTATION CHARGES PREPAID. THIS WARRANTY DOES NOT COVER PARTS THAT MUST BE REPLACED UNDER NORMAL USE, INCLUDING KNIVES AND DRIVE GEARS ON CAN OPENERS. NO OTHER WARRANTY, WRITTEN OR VERBAL, IS AUTHORIZED BY THE COMPANY. WARRANTY INFORMATION OUTSIDE THE UNITED STATES MAY VARY, CONSULT YOUR DISTRIBUTOR. 09/09 EDL-5106

Submittal Sheet

ITEM# 48 - PLANETARY MIXER (1 EA REQ'D)

Globe SP40

Planetary Mixer, floor model, 42 qt. (40 liter) capacity, 3-speed (fixed), #12 attachment hub, includes: stainless steel removable bowl guard with built-in ingredient chute, 40 qt. stainless steel bowl, aluminum spiral dough hook, stainless steel wire whip & aluminum flat beater, interlocked bowl lift, gear driven motor, thermal overload protection, front-mounted touchpad controls with 60-minute digital timer & last batch recall, non-slip rubber feet, cast iron body, 2 HP, cord, NSF, cETLus

ACCESSORIES

Mfr	Qty	Model	Spec
Globe	1		2 year parts & labor warranty (1 year parts only warranty on agitator and hub accessories, no labor provided) (excludes wear items), standard
Globe	1		220v/60/1-ph, 12.0 amps, NEMA L6-30P
Globe	1	XXBGSHIELD-40	Mixer bowl splash shield, for SP40, polycarbonate
Globe	1	XBTRUCK-40	Bowl Truck, heavy-duty, with handle, for SP40 40 quart mixer
Globe	1	XXSCR-40	Bowl Scraper, for 40 qt. mixer, includes mounting kit
Globe	1	XVSGH	Slicer/Shredder/Grater Housing Only, 9", for #12 hub (does not include plates)
Globe	1	XPH	Plate Holder, for shredder/grater plates (only 1 plate holder is required)
Globe	1	XASP	Slicer Plate, adjustable, maximum slice thickness is 1/2"
Globe	1	XSP332	Shredder Plate, 3/32" (2.3 mm), requires an XPH plate holder
Globe	1	XSP316	Shredder Plate, 3/16" (4.7 mm), requires an XPH plate holder

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1									2		
2	220	60	1	Cord & Plug		L6-30P	12.0				

Project Name: _____ AIA#: _____

Model #: _____ Location: _____

SIS#: _____ Item #: _____ Quantity: _____



40 Quart Planetary Floor Mixers

*The Perfect Mix of Value,
Performance & Durability*

*Features front mounted touch pad control
panel with 60-minute digital timer!*



Model

☐ SP40

Standard Features

- Powerful custom built 2 HP motor
- Gear-driven, high-torque transmission
- Heat-treated hardened steel alloy gears & shafts
- Three fixed speeds
- Permanently lubricated transmission
- Thermal overload protection
- Front-mounted touch pad controls with 60-minute digital timer and last-batch recall
- Removable stainless steel, interlocking bowl guard with built-in fully welded ingredient chute
- Interlocked bowl lift
- Rigid cast iron body
- Industry standard #12 attachment hub
- NSF approved enamel gray paint
- 6-foot cord and ground plug

Standard Accessories/Attachments

- 40 qt stainless steel bowl (#304 series)
- Aluminum flat beater
- Stainless steel wire whip
- Aluminum spiral dough hook
- Non-slip rubber feet

Warranty

- Two year parts and labor

Optional Accessories/Attachments

- Seismic flange kit
- Polycarbonate splash shield insert
- Slicer/shredder/grater for #12 hub
- Meat grinder for #12 hub
- Stainless steel flat beater
- Stainless steel spiral dough hook
- 20 qt adapter kit
- Extended warranty

To select options, see complete list on back ck



AutoQuotes

Approved by: _____ Date: _____

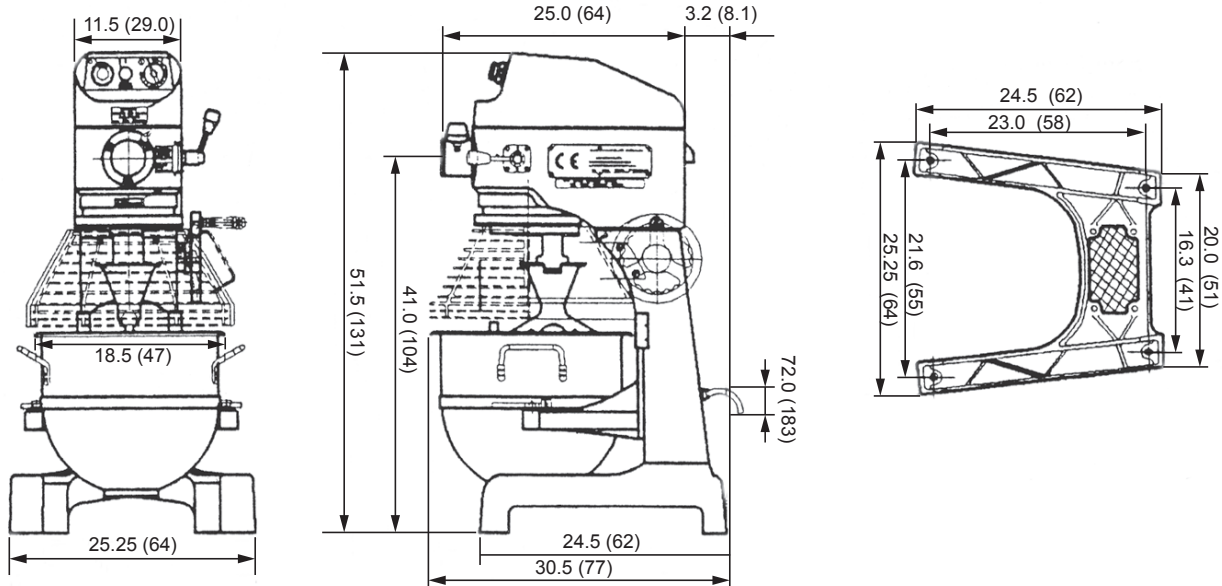
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COMMUNITY SCHOOL

2153 Dryden Rd. Dayton, OH 45439 | 937-299-5493 | 800-347-5423 | Fax: 937-299-4147 | www.globefoodequip.com



40 Quart Planetary Floor Mixers

SP40



UNIT: INCHES (CM)

Drawings available through KCL at www.kclcad.com.

SPECIFICATIONS

Model	Motor	Volts	Amps	Transmission Type	Capacity	Controls	Agitator Speeds (RPMs)			Attachment Speeds (RPMs)		
							1st	2nd	3rd	1st	2nd	3rd
SP40	2 HP	220/60/1* 208/60/3*	12 7	Gear	42 qt 40 liter	Front-mounted digital controls & timer	74	132	272	52	92	190

Cord & Plug: Attached 6-foot flexible 3-wire cord with molded plug fits a grounded receptacle. Single phase NEMA L6-30P Ⓢ Three phase NEMA L15-20P Ⓢ

***Specify voltage when ordering**

DIMENSIONS | SHIPPING INFORMATION

Carton reinforced for shipping. The weight and dimensions of this reinforced carton are included below and may vary from shipment to shipment.

This product ships on a pallet. Freight class 85.

Model	Base Foot Print	Overall Dimensions	Net Weight	Shipping Dimensions	Shipping Weight
SP40	25.25" W x 24.5" D (64 cm x 62 cm)	25.25" W x 30.5" D x 51.5" H (64 cm x 77 cm x 131 cm)	550 lbs (250 kg)	46" W x 48" D x 65" H (122 cm x 122 cm x 165 cm)	653 lbs (296 kg)

Mixer is constructed of a rigid cast iron body with front-mounted controls and 60-minute digital timer with last-batch recall. Mixer has 2 HP custom built motor with overload protection and gear-driven, high torque permanently lubricated transmission consisting of heat-treated hardened steel alloy gears and shafts. Mixer comes with 40 qt. stainless steel bowl, aluminum flat beater, stainless steel wire whip, aluminum dough hook and non-slip rubber feet. Interlocked with removable stainless steel bowl guard with fully welded ingredient chute. Mixer has #12 attachment hub and interlocked bowl lift. Mixer is NSF and ETL listed. Two year parts and labor warranty.

OPTIONAL MIXER ACCESSORIES AND HUB ATTACHMENTS

MIXER:

- ☐ **XXSEISMIC KIT-MD** Seismic kit
- ☐ **XXBGSHIELD-40** Bowl guard shield
- ☐ **XXBOWL-40** 40qt stainless steel (S/S) bowl
- ☐ **XXBEAT-40** Alum. flat beater
- ☐ **XXBEAT-40SS** S/S flat beater
- ☐ **XXHOOK-40** Alum. dough hook
- ☐ **XXWHIP-40** S/S wire whip
- ☐ **XXHDWHIP40-4** Heavy-duty 4 mm S/S wire whip
- ☐ **XXHDWHIP40-5** Heavy-duty 5 mm S/S wire whip
- ☐ **XXSCRIP-40** Scraper with mounting kit
- ☐ **XXACC20-40** Adapter kit - 20 qt bowl, hook, beater and whip

HUB:

- ☐ **XBTRUCK-40** Heavy-duty bowl truck
- ☐ **XVSGH 9"** Slicer/Shredder/Grater housing only (no plates included-must select from plates listed on this sheet)
- ☐ **XASP** Adjustable slicing plate (for vegetables only)
- ☐ **XPH** Plate holder - *only 1 required
- Shredding Plates:**
 - ☐ **XSP332*** 3/32" (2.3 mm)
 - ☐ **XSP316*** 3/16" (4.7 mm)
 - ☐ **XSP14*** 1/4" (6.3 mm)
 - ☐ **XSP516*** 5/16" (7.9 mm)
 - ☐ **XSP12*** 1/2" (12.7 mm)
 - ☐ **XGP*** Grating plate

- ☐ **XMCA-SS** Meat grinder assembly (Polished stainless steel cylinder, worm gear, ring, and s/s pan. Includes knife, 3/16" plate, and pusher)
- ☐ **XXCK** Chopper knife for XMCA-SS
- Chopper Plate Sizes Available:**
 - ☐ **CP02-12** 1/16" (2 mm)
 - ☐ **CP04-12** 5/32" (4 mm)
 - ☐ **CP05-12** 3/16" (5 mm)
 - ☐ **CP06-12** 1/4" (6 mm)
 - ☐ **CP08-12** 5/16" (8 mm)
 - ☐ **CP10-12** 3/8" (10 mm)
 - ☐ **CP12-12** 1/2" (12 mm)
 - ☐ **CP14-12** 9/16" (14 mm)
 - ☐ **CP16-12** 5/8" (16 mm)
 - ☐ **CP18-12** 11/16" (18 mm)

- ☐ **CP00-12** Stuffing plate
- ☐ **XST12** 1/2" Stuffing tube (pork)
- ☐ **XST34** 3/4" Stuffing tube (hog)
- ☐ **FACTORY INSTALLED OPTION:**
 - ☐ **XXCORR-40** Correctional package, includes tamper resistant external fasteners.
- ☐ **EXTENDED WARRANTY**
 - ☐ **SP-XD4060** Extended warranty for SP40 mixer, extends factory warranty to 3 years. **Available only at time of purchase.**

Submittal Sheet**ITEM# 49 - WORK TABLE, STAINLESS STEEL TOP (1 EA REQ'D)**

Advance Tabco TKMS-305

Work Table, 60"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, stainless steel legs with side & rear crossrails, adjustable stainless steel bullet feet, NSF



STAINLESS STEEL

WORK TABLES**STANDARD Series - 5" Backsplash - Open Base Style****Item #:** _____ **Qty #:** _____**Model #:** _____**Project #:** _____**NEW**

**Rolled Rim Edges on
Front & Splash on
Back and Square
Side Edges**



**1-5/8" LEG STRETCHERS
Ensure Stability**

FEATURES:

Top is furnished with 1 5/8" sanitary rolled rim edge on front and square sides, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Front to back Stretchers are welded to legs. Left to right Stretcher bolted to legs and requires assembly.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:**TKMS-SERIES: Stainless Steel Legs - Open Base**

TOP: 16 gauge stainless steel type "304" series.

STRETCHERS: 1 5/8" dia. tubular stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

TKMG-SERIES: Galvanized Legs - Open Base

TOP: 16 gauge stainless steel type "304" series.

STRETCHERS: 1 5/8" dia. tubular galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

**TKMS-Series:
Stainless Steel Legs & Stretchers**

L	24" Wide	30" Wide	36" Wide
30"	TKMS-240	TKMS-300	
24"	TKMS-242	TKMS-302	
36"	TKMS-243	TKMS-303	TKMS-363
48"	TKMS-244	TKMS-304	TKMS-364
60"	TKMS-245	TKMS-305	TKMS-365
72"	TKMS-246	TKMS-306	TKMS-366
84"	TKMS-247	TKMS-307	TKMS-367
96"	TKMS-248	TKMS-308	TKMS-368
108"	TKMS-249	TKMS-309	TKMS-369
120"	TKMS-2410	TKMS-3010	TKMS-3610
132"	TKMS-2411	TKMS-3011	TKMS-3611
144"	TKMS-2412	TKMS-3012	TKMS-3612



**TKMG-Series:
Galvanized Steel Legs & Stretchers**

L	24" Wide	30" Wide	36" Wide
30"	TKMG-240	TKMG-300	
24"	TKMG-242	TKMG-302	
36"	TKMG-243	TKMG-303	TKMG-363
48"	TKMG-244	TKMG-304	TKMG-364
60"	TKMG-245	TKMG-305	TKMG-365
72"	TKMG-246	TKMG-306	TKMG-366
84"	TKMG-247	TKMG-307	TKMG-367
96"	TKMG-248	TKMG-308	TKMG-368
108"	TKMG-249	TKMG-309	TKMG-369
120"	TKMG-2410	TKMG-3010	TKMG-3610
132"	TKMG-2411	TKMG-3011	TKMG-3611
144"	TKMG-2412	TKMG-3012	TKMG-3612

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

Email Orders To: customer@advancetabco.com. For Smart Fabrication™ Quotes, Email To: smartfab@advancetabco.com or Fax To: 631-586-2933

NEW YORK
Fax: (631) 242-6900

GEORGIA
Fax: (770) 775-5625

TEXAS
Fax: (972) 932-4795

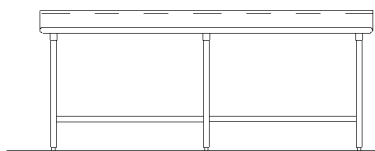
NEVADA
Fax: (775) 972-1578

DETAILS and SPECIFICATIONS

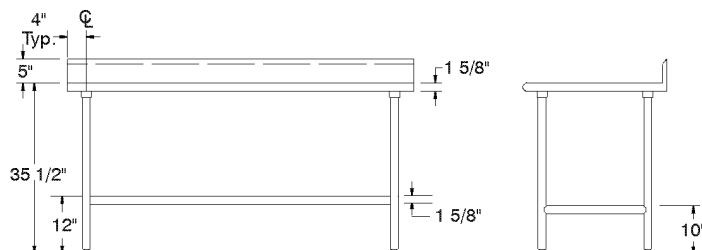
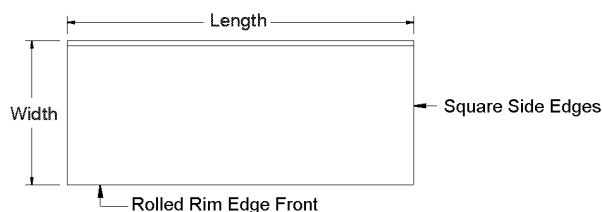
ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

TKMS & TKMG Series Open Base Style 5" Backsplash



Units 8ft. and larger are furnished with six (6) legs



TKMS-Series: Stainless Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKMS-240	49 lbs.	TKMS-300	55 lbs.		
24"	TKMS-242	43 lbs.	TKMS-302	48 lbs.		
36"	TKMS-243	55 lbs.	TKMS-303	62 lbs.	TKMS-363	80 lbs.
48"	TKMS-244	67 lbs.	TKMS-304	75 lbs.	TKMS-364	85 lbs.
60"	TKMS-245	77 lbs.	TKMS-305	89 lbs.	TKMS-365	99 lbs.
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96"	TKMS-248	119 lbs.	TKMS-308	131 lbs.	TKMS-368	145 lbs.
108"	TKMS-249	135 lbs.	TKMS-309	150 lbs.	TKMS-369	165 lbs.
120"	TKMS-2410	234 lbs.	TKMS-3010	249 lbs.	TKMS-3610	268 lbs.
132"	TKMS-2411	258 lbs.	TKMS-3011	276 lbs.	TKMS-3611	298 lbs.
144"	TKMS-2412	273 lbs.	TKMS-3012	291 lbs.	TKMS-3612	313 lbs.

TKMG-Series: Galvanized Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKMG-240	49 lbs.	TKMG-300	55 lbs.		
24"	TKMG-242	43 lbs.	TKMG-302	48 lbs.		
36"	TKMG-243	55 lbs.	TKMG-303	62 lbs.	TKMG-363	80 lbs.
48"	TKMG-244	67 lbs.	TKMG-304	75 lbs.	TKMG-364	85 lbs.
60"	TKMG-245	77 lbs.	TKMG-305	89 lbs.	TKMG-365	99 lbs.
72"	TKMG-246	89 lbs.	TKMG-306	97 lbs.	TKMG-366	112 lbs.
84"	TKMG-247	107 lbs.	TKMG-307	118 lbs.	TKMG-367	131 lbs.
96"	TKMG-248	119 lbs.	TKMG-308	131 lbs.	TKMG-368	145 lbs.
108"	TKMG-249	135 lbs.	TKMG-309	150 lbs.	TKMG-369	165 lbs.
120"	TKMG-2410	234 lbs.	TKMG-3010	249 lbs.	TKMG-3610	268 lbs.
132"	TKMG-2411	258 lbs.	TKMG-3011	276 lbs.	TKMG-3611	298 lbs.
144"	TKMG-2412	273 lbs.	TKMG-3012	291 lbs.	TKMG-3612	313 lbs.

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Submittal Sheet**ITEM# 50 - INGREDIENT BIN (3 EA REQ'D)**

NIC IBS27148

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Cambro -Model IBS-27

Ingredient Bin, mobile, 27 gallon capacity, 1-pc seamless polyethylene bin, 2-pc sliding polycarbonate lid, S-hook on front (scoop NOT included), (4) 3" heavy duty casters (2 front swivel, 2 fixed), white with clear cover, NSF

CAMBRO®

Ingredient Bins

Slant Top

Models IBS20 – 21 gallon (81 L)
 IBS27 – 27 gallon (102 L)
 IBS37 – 37 gallon (140 L)



Features & Benefits

- Stores and transports a wide variety of dry ingredients such as flour, sugar, rice or grains. Perfect for restaurants, food manufacturers or commissaries.
- Available in 21, 27 and 37 gallon (81, 102, 140 L) capacity to meet standard industry requirements for storage and transportation of bulk foods.
- One-piece, seamless single-wall polyethylene bin construction is extremely durable. Won't rust or corrode. Liquids and dry foods will not stick or seep between seams.
- FDA accepted material. Meets all food contact requirements and eliminates need for liners.
- Smooth interior and exterior are easy to clean.
- Injection molded Camwear® polycarbonate lids are transparent, break resistant and offer quick and easy identification of contents. Slide-back feature means easy access.
- Working height permits storage under standard work tables.
- Heavy-duty 3" (7,6 cm) casters, 2 front swivel, 2 fixed.
- No assembly required.
- Available in White (148) only with Clear (135) cover.

Item No. _____

Specifier Identification No. _____

Model No. _____

Quantity _____



IBS20



IBS27



IBS37

Scoops not Included
Approvals



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CAMBRO®

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 Telephone 714 848 1555 Toll Free 800 854 7631 Customer Service Department 800 833 3003

Ingredient Bins

Slant Top

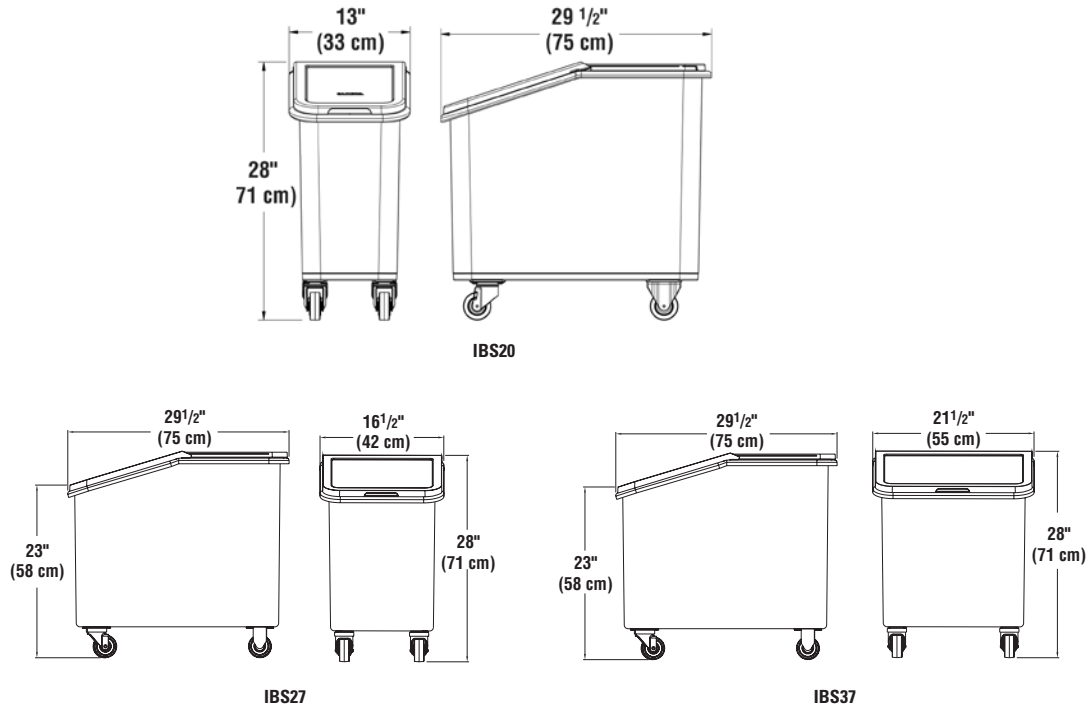
Models IBS20 – 21 gallon (81 L)
 IBS27 – 27 gallon (102 L)
 IBS37 – 37 gallon (140 L)

Item No. _____

Specifier Identification No. _____

Model No. _____

Quantity _____



Specifications

Dimension Tolerance: +/- 1/4" (0,64 cm)

Code	Description	Volume Capacity	Load Capacity		Exterior Dimensions W x D x H	Case lbs./cube Kg/m ³
			Sugar	Flour		
IBS20	21 gal. Ingredient Bin (81 L)	2.87 Cubic feet (0,081) Cubic meters	170 lbs. (77 kg.)	140 lbs. (63 kg.)	13" x 29 1/2" x 28" (33 x 75 x 71 cm)	28 (6,57) 13 (0,19)
IBS27	27 gal. Ingredient Bin (102 L)	3.98 Cubic feet (0,113) Cubic meters	226 lbs. (103 kg.)	150 lbs. (68 kg.)	16 1/2" x 29 1/2" x 28" (42 x 75 x 71 cm)	24 (7,50) 11 (0,22)
IBS37	37 gal. Ingredient Bin (140 L)	5.55 Cubic feet (0,157) Cubic meters	314 lbs. (142 kg.)	225 lbs. (102 kg.)	21 1/2" x 29 1/2" x 28" (55 x 75 x 71 cm)	28 (10,10) 13 (0,29)

Architect Specs

The Ingredient Bins shall be Cambro Model..., manufactured by Cambro Mfg. Co., Huntington Beach, CA 92648 U.S.A. Each unit shall be one piece, seamless, single-wall molded construction made of FDA Approved white polyethylene. Unit capacity shall range from 21 - 37 gallons (81 - 140 L) and/or 2.87 - 5.55 cu. ft. (0,081 - 0,157 cubic meters).

It shall have four each 3" (7,6 cm) casters with 1 1/4" (3,2 cm) wide tread, 2 front swivel and 2 fixed. It shall have an injection molded, transparent, slide-back polycarbonate lid. It shall not exceed 29" (73,6 cm) in height so that it can store under standard work tables. It shall be available in white only with a clear cover.

Approvals



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 COMMUNITY SCHOOL

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 Telephone 714 848 1555 Toll Free 800 854 7631 Customer Service Department 800 833 3003

Submittal Sheet**ITEM# 51 - SHELVING, WALL MOUNTED (1 EA REQ'D)**

Advance Tabco WS-12-60-X

Special Value Shelf, wall-mounted, 60"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 18/430 satin finish stainless steel, NSF



STAINLESS STEEL WALL SHELVES



Item #: _____ Qty #: _____
 Model #: _____
 Project #: _____



FEATURES:

Brackets can be positioned to accommodate wall studs.
 Furnished with a 1-5/8" Bullnose edge with a 1-1/2" turn-up edge at rear. Ends are turned down square.

CONSTRUCTION:

Secured to wall by means of bolts through support brackets.
 Units 7 ft. and larger are furnished with 3 brackets.

MATERIAL:

16 Gauge Series - 304 stainless steel polished to a satin finish.
18 Gauge Series - 430 stainless steel polished to a satin finish.

10" Wide				12" Wide			15" Wide			18" Wide			
L	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	Approx. Cu. Ft.
24"	WS-10-24-16	WS-10-24	8 lbs.	WS-12-24-16	WS-12-24	9 lbs.	WS-15-24-16	WS-15-24	11 lbs.	WS-18-24-16	WS-18-24	14 lbs.	3
30"	-	-	-	WS-12-30-16	WS-12-30	12 lbs.	-	-	-	-	-	-	4
36"	WS-10-36-16	WS-10-36	10 lbs.	WS-12-36-16	WS-12-36	12 lbs.	WS-15-36-16	WS-15-36	15 lbs.	WS-18-36-16	WS-18-36	21 lbs.	4
42"	-	-	-	WS-12-42-16	WS-12-42	14 lbs.	-	-	-	-	-	-	5
48"	WS-10-48-16	WS-10-48	12 lbs.	WS-12-48-16	WS-12-48	14 lbs.	WS-15-48-16	WS-15-48	18 lbs.	WS-18-48-16	WS-18-48	24 lbs.	5
60"	WS-10-60-16	WS-10-60	15 lbs.	WS-12-60-16	WS-12-60	17 lbs.	WS-15-60-16	WS-15-60	23 lbs.	WS-18-60-16	WS-18-60	28 lbs.	6
72"	WS-10-72-16	WS-10-72	17 lbs.	WS-12-72-16	WS-12-72	21 lbs.	WS-15-72-16	WS-15-72	28 lbs.	WS-18-72-16	WS-18-72	32 lbs.	7
84"	WS-10-84-16	WS-10-84	20 lbs.	WS-12-84-16	WS-12-84	25 lbs.	WS-15-84-16	WS-15-84	32 lbs.	WS-18-84-16	WS-18-84	36 lbs.	8
96"	WS-10-96-16	WS-10-96	23 lbs.	WS-12-96-16	WS-12-96	28 lbs.	WS-15-96-16	WS-15-96	36 lbs.	WS-18-96-16	WS-18-96	42 lbs.	10
108"	WS-10-108-16	WS-10-108	28 lbs.	WS-12-108-16	WS-12-108	32 lbs.	WS-15-108-16	WS-15-108	40 lbs.	WS-18-108-16	WS-18-108	48 lbs.	11
120"	WS-10-120-16	WS-10-120	32 lbs.	WS-12-120-16	WS-12-120	36 lbs.	WS-15-120-16	WS-15-120	44 lbs.	WS-18-120-16	WS-18-120	54 lbs.	12
132"	WS-10-132-16	WS-10-132	36 lbs.	WS-12-132-16	WS-12-132	42 lbs.	WS-15-132-16	WS-15-132	49 lbs.	WS-18-132-16	WS-18-132	60 lbs.	13
144"	WS-10-144-16	WS-10-144	40 lbs.	WS-12-144-16	WS-12-144	48 lbs.	WS-15-144-16	WS-15-144	55 lbs.	WS-18-144-16	WS-18-144	66 lbs.	14



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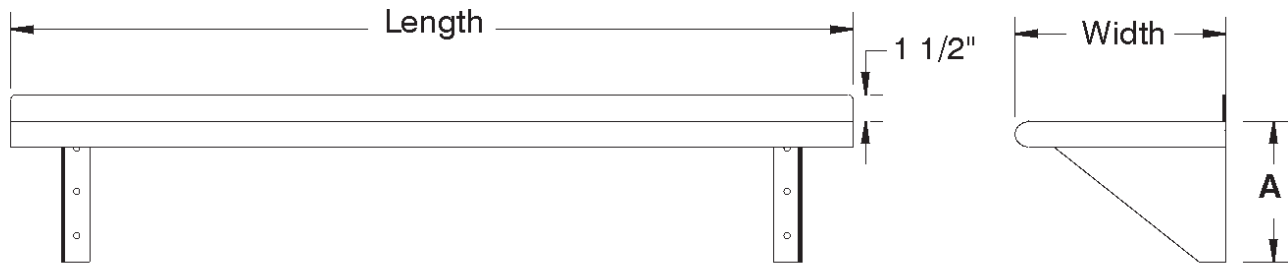
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DETAILS and SPECIFICATIONS

TOL $\pm .500"$

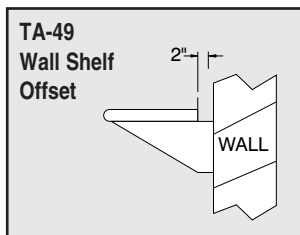
ALL DIMENSIONS ARE TYPICAL



Width	A
10"	8 1/2"
12"	10 1/2"
15"	13 1/2"
18"	16 1/2"

Wall Shelf Options

PRT-1	Printer Shelf
TA-22A	Square Edge Shelf
TA-26	Welded Shelf Brackets
TA-49	Wall Shelf 2" Offset
TA-71	Heat Lamp Provision
TA-77	Check Minder
TA-77A	Concealer for Heat Lamp (Requires TA-77)
TA-99A	14 Ga. S/S 304 Upgrade for Overshelves
TA-100A	Bullnose Edge On All 4 Sides of Shelf
TA-102	6" Cantilever Shelf Offset



Requirements for NSF Installations

1. Install at least 60" above floor.
2. Limit to dry storage.
3. Avoid contact with liquids.
4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.



Submittal Sheet

ITEM# 52 - WORK TABLE, STAINLESS STEEL TOP (1 EA REQ'D)

Advance Tabco TKMS-307

Work Table, 84"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, stainless steel legs with side & rear crossrails, adjustable stainless steel bullet feet, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	TA-93	Wall Clips, (for 5" & 10" splash only) (per table)
Advance Tabco	1		Weld-In sink - double bowl
Advance Tabco	1	TA-11A-2	Double Sink Welded Into Table Top, 16"W x 20"D x 8" deep bowls, includes faucet, NSF (must specify sink location)
Advance Tabco	2	K-4	Support Bracket, for lever waste drain handle, (1) support required for each lever drain

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) 1-1/2"	



STAINLESS STEEL
WORK TABLES
STANDARD Series - 5" Backsplash - Open Base Style



Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____

FEATURES:

Top is furnished with 1 5/8" sanitary rolled rim edge on front and square sides, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Front to back Stretchers are welded to legs. Left to right Stretcher bolted to legs and requires assembly.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.



NEW

Rolled Rim Edges on Front & Splash on Back and Square Side Edges



1-5/8" LEG STRETCHERS Ensure Stability

MATERIAL:

TKMS-SERIES: Stainless Steel Legs - Open Base

TOP: 16 gauge stainless steel type "304" series.

STRETCHERS: 1 5/8" dia. tubular stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

TKMG-SERIES: Galvanized Legs - Open Base

TOP: 16 gauge stainless steel type "304" series.

STRETCHERS: 1 5/8" dia. tubular galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

TKMS-Series: Stainless Steel Legs & Stretchers

L	24" Wide	30" Wide	36" Wide
30"	TKMS-240	TKMS-300	
24"	TKMS-242	TKMS-302	
36"	TKMS-243	TKMS-303	TKMS-363
48"	TKMS-244	TKMS-304	TKMS-364
60"	TKMS-245	TKMS-305	TKMS-365
72"	TKMS-246	TKMS-306	TKMS-366
84"	TKMS-247	TKMS-307	TKMS-367
96"	TKMS-248	TKMS-308	TKMS-368
108"	TKMS-249	TKMS-309	TKMS-369
120"	TKMS-2410	TKMS-3010	TKMS-3610
132"	TKMS-2411	TKMS-3011	TKMS-3611
144"	TKMS-2412	TKMS-3012	TKMS-3612



TKMG-Series: Galvanized Steel Legs & Stretchers

L	24" Wide	30" Wide	36" Wide
30"	TKMG-240	TKMG-300	
24"	TKMG-242	TKMG-302	
36"	TKMG-243	TKMG-303	TKMG-363
48"	TKMG-244	TKMG-304	TKMG-364
60"	TKMG-245	TKMG-305	TKMG-365
72"	TKMG-246	TKMG-306	TKMG-366
84"	TKMG-247	TKMG-307	TKMG-367
96"	TKMG-248	TKMG-308	TKMG-368
108"	TKMG-249	TKMG-309	TKMG-369
120"	TKMG-2410	TKMG-3010	TKMG-3610
132"	TKMG-2411	TKMG-3011	TKMG-3611
144"	TKMG-2412	TKMG-3012	TKMG-3612

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



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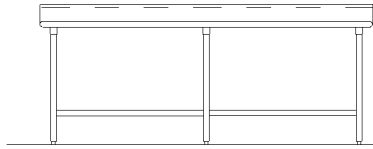
NEVADA
 Fax: (775) 972-1578

DETAILS and SPECIFICATIONS

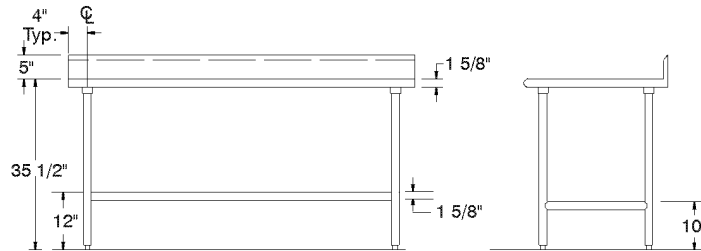
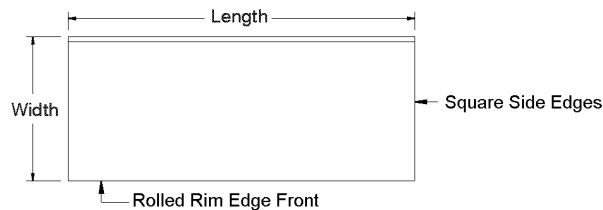
ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

TKMS & TKMG Series Open Base Style 5" Backsplash



Units 8ft. and larger are furnished with six (6) legs



TKMS-Series: Stainless Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKMS-240	49 lbs.	TKMS-300	55 lbs.		
24"	TKMS-242	43 lbs.	TKMS-302	48 lbs.		
36"	TKMS-243	55 lbs.	TKMS-303	62 lbs.	TKMS-363	80 lbs.
48"	TKMS-244	67 lbs.	TKMS-304	75 lbs.	TKMS-364	85 lbs.
60"	TKMS-245	77 lbs.	TKMS-305	89 lbs.	TKMS-365	99 lbs.
72"	TKMS-246	89 lbs.	TKMS-306	97 lbs.	TKMS-366	112 lbs.
84"	TKMS-247	107 lbs.	TKMS-307	118 lbs.	TKMS-367	131 lbs.
96"	TKMS-248	119 lbs.	TKMS-308	131 lbs.	TKMS-368	145 lbs.
108"	TKMS-249	135 lbs.	TKMS-309	150 lbs.	TKMS-369	165 lbs.
120"	TKMS-2410	234 lbs.	TKMS-3010	249 lbs.	TKMS-3610	268 lbs.
132"	TKMS-2411	258 lbs.	TKMS-3011	276 lbs.	TKMS-3611	298 lbs.
144"	TKMS-2412	273 lbs.	TKMS-3012	291 lbs.	TKMS-3612	313 lbs.

TKMG-Series: Galvanized Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKMG-240	49 lbs.	TKMG-300	55 lbs.		
24"	TKMG-242	43 lbs.	TKMG-302	48 lbs.		
36"	TKMG-243	55 lbs.	TKMG-303	62 lbs.	TKMG-363	80 lbs.
48"	TKMG-244	67 lbs.	TKMG-304	75 lbs.	TKMG-364	85 lbs.
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72"	TKMG-246	89 lbs.	TKMG-306	97 lbs.	TKMG-366	112 lbs.
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132"	TKMG-2411	258 lbs.	TKMG-3011	276 lbs.	TKMG-3611	298 lbs.
144"	TKMG-2412	273 lbs.	TKMG-3012	291 lbs.	TKMG-3612	313 lbs.

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TABLE MODIFICATIONS & ACCESSORIES

TOP MODIFICATIONS



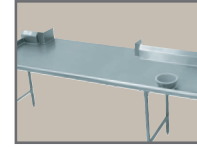
TA-56
5" NSF Partition



TA-523
Drop-In Urn Trough



CDR-5
Condiment Holder



TA-84
Pass-Thru



TA-108
Grommet For Cords

QTY.

CDR-5	Condiment Holder (Accommodates 5 Bins)
TA-1	Notch Backsplash For Roll Up Door w/ Pass-Thru
TA-3	Stainless Steel Hat Channel & Gusset Upgrade
TA-7	10" Partial Splash
TA-8	Column Notch in Rear Splash (Includes Splash)
TA-10	5" Partial Splash
TA-12	Countertop Edge
TA-22	Square Edge Table
TA-28	Cut-Out For Cold Well. Includes Louvered Doors
TA-29	16 Ga. 304 Rear Splash Capping Strip w/Adhesive Backing
TA-30	1-1/2" Side Splash
TA-30A	1-1/2" Turn Up For Table Tops
TA-31	5" Side Splash
TA-32	10" Side Splash
TA-34	Top Cut-Out
TA-34A	Top Cut-Out for Undermount Well
TA-35	Splash Cut-Out
TA-41	Poly-Vance 5/8" Cutting Board
TA-56	5" NSF Partition
TA-56A	18" NSF Partition
TA-57	Prepare Welded Field Joint (Welded in field by others)
TA-57A	Bolted Field Joint (Bolted in field by others)
TA-57B	Hairline Field Joint
TA-58	Stepdown to 24" Working Height
TA-64	Urn Trough (Factory installation only)
TA-75	Mitered Edge
TA-76	Paint on Sound Deadening
TA-79	Flour Trough (Factory installation only)
TA-82	Scrap Chute (6" dia. opening)
TA-84	Simple Pass-Thru
TA-87	Enclosed Rear Splash
TA-91	Poly Retaining Clips Includes TA-22 (S/S top table)

QTY.

TA-93	Wall Brackets (Includes 2. For 5" & 10 1/2" splash only)
TA-96A	Can Opener Provision for Openers with Bolt-on Base (Customer to provide location)
TA-96B	Can Opener Surface Mount Provision with 4" S/S Tube for Openers w/o Base (Customer to provide location)
TA-96C	Can Opener Spacer Plate Provision for Use on Tables With Countertop Edge & Can Opener Base (Customer to provide location)
TA-100	Bull Nose All Sides of Worktable
TA-101	Rear Tray Lock
TA-106	Mirror HI-LITE Edge
TA-107	Vacuum Breaker Holes on Tables (Includes Backsplash with 2" Return)
TA-108	2" Hole with Grommet for Appliance Cord
TA-112	Hubble Outlet
TA-113	Notch Top for Buyout Unit
TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
TA-135	Plate Shelf (Undercounter Mounted)
TA-366A	Heavy duty Understructure Top
TA-502	Install Advance Tabco Hot Food Unit In Work Table Top (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)
TA-521	Drop-In urn Trough 1'
TA-522	Drop-In urn Trough 2'
TA-523	Drop-In urn Trough 3'
TA-524	Drop-In urn Trough 4'
TA-525	Drop-In urn Trough 5'
TA-526	Drop-In urn Trough 6'
TA-527	Drop-In urn Trough 7'
TA-528	Drop-In urn Trough 8'
TA-529	Drop-In urn Trough 9'
TA-550	Install Customer Supplied Buyout Items (Does not include wiring. Consult factory)
TA-551	Installation of Hot Food Wells. (Requires TA-34 Top Cut-Out & TA-27 Control Panel. Does not include wiring. Consult factory)



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TABLE MODIFICATIONS & ACCESSORIES

BASE MODIFICATIONS



TA-39
Louvered Hinged Doors



TA-73
Drop-Down Tray Slide



TA-74
Solid Tray Slide



TA-900
ADJ. Height Tables



TA-116
Adj. Mid-Shelf

QTY.

___	TA-4	Removable Access Panel
___	TA-4A	Louvered Panel
___	TA-5	Curb Mounting Provision
___	TA-15	Provision for Built In Drawer Warmer
___	TA-23	Welded Set-Up Table/Crating
___	TA-24	Shell Crating
___	TA-27	Control Panel (Must add TA-34A or TA-34B)
___	TA-36A	Sliding/Hinge Stainless Steel Doors
___	TA-36B	1/2 Height Stainless Steel Hinge Doors
___	TA-36C	Hinged door with Trash Flap
___	TA-37	Stainless Enclosed Base
___	TA-39	24" Louvered Hinged Doors
___	TA-40	Remove Undershelf in Cabinet Base For Slide in Buyout
___	TA-42	Interior Partition (2.5"x30")
___	TA-43	Filler Panel (3"x30" with Flanged Feet)
___	TA-44	K.D. Aluminum Pan Rack Slides (6 slides. Table min. lgth. 30")
___	TA-45	K.D. Aluminum Glass Rack Slides (3 slides. Table min. lgth. 3 feet)
___	TA-46	Door Locks

QTY.

___	TA-48	12"x12" Cut-Out in Back Panel/Undershelf for Plumbing
___	TA-54	Removable Kick Plate
___	TA-55	Remove Back Panel (on Enclosed Base)
___	TA-63	Removable Shelving (In addition to standard shelf & table width)
___	TA-70	S/S Tubular Tray Divider (12" sections)
___	TA-73	Tubular Tray Slide w/Dropdown (Stationary Tray Slide Available. Factory installation only)
___	TA-74	Solid Tray Slide
___	TA-92	12" Apron (in front of sink)
___	TA-92A	17" Stainless Steel Apron to Cover Sink Bowls and Support Lever Drain Handles
___	TA-116	Adjustable Enclosed Base Cabinet Mid Shelf- Add to Price of Enclosed Base Table with Fixed Mid Shelf (M). Shelves Over 36" In Length Require Multiple Sections With Center Partition. For Partial Shelves Add To Price Of Shelf.
___	TA-130	Cutlery Dispenser Holder (Undercounter Mounted)
___	TA-135	Plate Shelf (Undercounter Mounted)
___	TA-205	Connect Cafeteria Items (Per Joint Between 2 Tables. Requires Casters)
___	TA-900	Upgrade Table To be Height Adjustable In Field (Up to 6" Only. Unit Ships Set Up)

ELECTRICAL & DATA PORT OUTLETS



TA-62
Duplex Outlet



TA-62A
GFI Duplex Outlet



TA-62D
GFI Doghouse Outlet



TA-62F
Empty Junction Box



TA-112
Hubble Outlet

QTY.

___	TA-62	Standard Duplex Electrical Outlet & Cover Plate (Under Flat Top). NEMA 5-15R
___	TA-62A	GFI Duplex Outlet & Cover Plate in a VKS Splash. NEMA 5-20R
___	TA-62C	GFI Duplex Outlet & Cover Plate Below Shelf Top. NEMA 5-20R
___	TA-62D	GFI Duplex Outlet & Cover Plate in a Doghouse. NEMA 5-20R

QTY.

___	TA-62E	Upgrade Outlet to a NEMA 6-20R or Equiv.
___	TA-62F	Junction Box (empty) Below Table Top. Includes 1 Gang Size, Stainless Steel Face Plate
___	TA-112	Hubble Outlet
___	TA-622	CAT-5 Data Port Outlet. Cable Not Included



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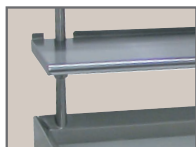
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TABLE MODIFICATIONS & ACCESSORIES

OVERSHELF & POT RACK MODIFICATIONS



TA-9A
1" Turn Up



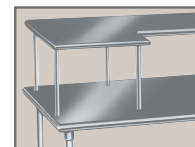
TA-22A
Square Edge



TA-71
Heat Lamp Mounting Provision



TA-100A
Bull Nose



TA-102
24" x 24" Extension

QTY.

_____	TA-9A	Partial 1" Turn-Up for all Table Mt. Shelves
_____	TA-22A	Square Edge on Overshelf
_____	TA-26-10	Welded Wall Shelf Brackets for 10" Wide Shelf
_____	TA-26-12	Welded Wall Shelf Brackets for 12" Wide Shelf
_____	TA-26-15	Welded Wall Shelf Brackets for 15" Wide Shelf
_____	TA-26-18	Welded Wall Shelf Brackets for 18" Wide Shelf
_____	TA-47	Shelf Mounting Bracket for Existing Table
_____	TA-49	Wall Shelf 2" Offset
_____	TA-60	Special Sizing Charge for Shelves (Must Order Larger Unit to be Cut Down to Smaller Size)
_____	TA-71	Heat Lamp Mounting Provision
_____	TA-71A	Heat Lamp Remote Control Bracket
_____	TA-78	Additional Lin. Ft. Past 12' For Table Mt. Shelf (For ODS, OTS, TS, DS & WS Shelving only)
_____	TA-77	Check Minder Shelf Provision (Factory install only)
_____	TA-83	Spice Bins

QTY.

_____	TA-84A	Knife Rack for Rolled Rim Tables
_____	TA-84B	Knife Rack for Poly Top Tables
_____	TA-84C	Knife Rack for Square Edge Tables
_____	TA-86	Stainless Steel Pot Hooks
_____	TA-89	Double Sided Plated Pot Hooks (Package of 4)
_____	TA-89A	Single Sided Plated Pot Hooks (Package of 4)
_____	TA-98	Stainless Steel Flat Bar in lieu of Chain
_____	TA-99	16 Ga. S/S 304 Upgrade for Wall & Over Shelves
_____	TA-100A	Bull Nose All Sides of Shelf
_____	TA-100R	Bull Nose Three Sides of Shelf w/ Rear Turn Up
_____	TA-102	24" x 24" Extension for Microwave or Computer Shelf (Add to OTS and ODS Shelves. See page 65)
_____	TA-103	24" Wide PT Shelf (36" Min Length. Mid mount only. PT Series Shelf, See Pg. 73. Add to 18" Wide Shelf)
_____	TA-104	Additional Length Over 12' (Add to 18" Shelf. (PA & CU Shelving Only. Max. Length is 14' as Single Piece)

UNDERSHELF MODIFICATIONS

QTY.

_____	TA-9	1-1/2" Turn-Up for Undershelves
_____	TA-17	Upgrade Undershelf to a Marine Edge (Must add TA-23)
_____	TA-48	12"x12" Cut-Out in Back Panel or Undershelf for Plumbing

QTY.

_____	TA-94	Upgrade 16 Ga. 304 S/S Undershelf
_____	TA-94A	Upgrade 14 Ga. 304 S/S Undershelf
_____	TA-366	Reinforced Understructure For Undershelves

SIZE MODIFICATIONS

QTY.

_____	TA-33	Special Working Height
_____	TA-59	36" Wide Equipment Stand
_____	TA-6	Extra Length for Standard Tables Over 12' (Tables Over 14' Require Field Joint TA-57)
_____	TA-61	Special Sizing Charge (Larger Unit Cut Down to Smaller Size)
_____	TA-61A	Special Modification Charge

QTY.

_____	TA-65	Enclosed Base Units Over 12' (Open Base Table)
_____	TA-66	Enclosed Base Units Over 12' (Sliding Door Units)
_____	TA-67	Enclosed Base Units Over 12' (Hinged Door Units)
_____	TA-105	Modify Enclosed Base Table w/ Drawers to 24" Width
_____	TA-110	Modify Enclosed Base Table w/ Drawers to 36" Width



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TABLE MODIFICATIONS & ACCESSORIES

LEG MODIFICATIONS

QTY.

TA-16	1 Galvanized Leg with Plastic Bullet Foot (34 1/2" Total Length)
TA-16-4	4 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-16-6	6 Galvanized Legs with Plastic Bullet Feet (34 1/2" Total Length)
TA-19	Stainless Steel Flanged Bullet Foot For Work Table
TA-19L	S/S Bolt-on Leg w/ Flanged Foot For Enclosed Base Table
TA-20	1 Stainless Steel Leg with S/S Bullet Foot (34 1/2" Total Length)
TA-20-4	4 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)

QTY.

TA-20-6	6 Stainless Steel Leg with S/S Bullet Feet (34 1/2" Total Length)
TA-20L	Replacement Bolt-on Leg For Enclosed Base Table
TA-21	Stainless Steel Bullet Foot
TA-68	Relocate Rear Cross Rail To Center (for Open Base Tables Only)
TA-72	Leg to Wall Brace (Set per table)
TA-95	Upgrade 16 Ga. 304 S/S Legs Only

WORK TABLE CASTERS



Standard Casters

Maintains the Standard 35-1/2" Working Height

200 lbs. Load Capacity Per Caster

When Used w/ Stainless Steel Legs

TA-25S-4 Set of 4 (Two with Brakes)

TA-25S-6 Set of 6 (Two with Brakes)

When Used w/ Galvanized Legs

TA-25G-4 Set of 4 (Two with Brakes)

TA-25G-6 Set of 6 (Two with Brakes)

Replacement Casters

For Work Tables

TA-25 Set of 4
(Two with Brakes)

TA-25A Set of 6
(Two with Brakes)

200 lbs. Load Capacity Per Caster



Optional Standard Caster Upgrades:

TA-25B Set

For brakes on all wheels (Standard Casters) - Add price to the following models:
TA-25, TA-25A, TA-25S-4, TA-25S-6, TA-25G-4, TA-25G-6

TA-25C Per Caster

Upgrade Standard Caster with Heavy Duty Urethane Wheels (Per Caster)

EQUIPMENT STAND CASTERS



Standard Casters

5" Urethane Wheels.

Maintains the Standard 24" Working Height

200 lbs. Load Capacity Per Caster

w/ Stainless Steel Legs

TA-25ES Set of 4 (Two with Brakes)

w/ Galvanized Legs

TA-25EG Set of 4 (Two with Brakes)

HEAVY DUTY Casters

5" Urethane Wheels

400 lbs. Load Capacity Per Caster

TA-255 Super Heavy Duty
Set of 4 (Two with Brakes)

TA-256 Super Heavy Duty
Set of 6 (Two with Brakes)



Enclosed Base Table Casters

Easy Bolt-On Style



TA-255P Set of 4 (Two with Brakes)

TA-255AP Set of 6 (Two with Brakes)

300 lbs. Load Capacity Per Caster

For brakes on all wheels (Enclosed Base Casters) -
Add price to models: TA-255P or TA-255AP

TA-255PB

Optional Equipment Stand Caster Upgrade:

TA-255B For brakes on all wheels (Equipment Casters) - Add price to any of the following models:
TA-255, TA-256, TA-25ES, TA-25EG

Contact Our SMART FABRICATION™ Department for more information at 800-645-3166
or email in your specifications to smartfab@advancetabco.com



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COMMUNITY SCHOOL

REF-K 200 Heartland Boulevard, Edgewood, NY 11717-8380

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

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Welded Sinks Into Table Top

Fabricated Sink Bowls

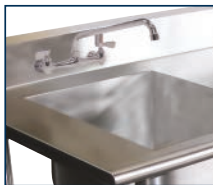
Item #: _____ Qty #: _____

Model #: _____

Project #: _____



Flat Top
w/ K-50
Deck Mount
Faucet Shown



10" Backsplash
w/ K-1
Splash Mount
Faucet Shown

Includes Faucet & K-6 Basket Drain(s)

Flat Top, 1", 1-1/2" & 5 Backsplash Include Deck Mount Faucet

- Single Sink Bowl provided with K-50 Swing Spout Faucet
- Double Sink Bowls provided with K-53 Swing Spout Faucet

10" Backsplash Include Splash Mount Faucet

- Single & Double Sink Bowls provided with K-1 Swing Spout Faucet
- Splash Mount Faucet Available On 5" Backsplash - Add TA-11Z

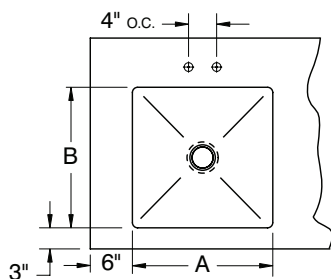
Size		Single Bowl	Double Bowl
A	B	Model#	Model#
10"	14" x 5"	TA-11Q	TA-11Q-2 [†]
10"	14" x 10"	TA-11F	TA-11F-2 [†]
14"	16" x 12"	TA-11J	TA-11J-2
16"	20" x 8"	TA-11A**	TA-11A-2**
16"	20" x 12"	TA-11B**	TA-11B-2**
16"	20" x 14"	TA-11V**	TA-11V-2**
18"	18" x 14"	TA-11N	TA-11N-2
18"	24" x 14"	TA-11L	TA-11L-2
20"	20" x 8"	TA-11C*	TA-11C-2*
20"	20" x 12"	TA-11D*	TA-11D-2*
20"	20" x 14"	TA-11W*	TA-11W-2*
20"	24" x 14"	TA-11P	TA-11P-2
20"	30" x 14"	TA-11S*	TA-11S-2*
24"	24" x 14"	TA-11E*	TA-11E-2*
24"	30" x 14"	TA-11T*	TA-11T-2*
24"	36" x 14"	TA-11R*	TA-11R-2*
28"	20" x 12"	TA-11G*	TA-11G-2*

* Only Installed In Tables 30" Wide or Wider

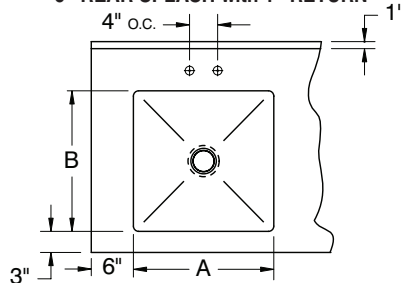
** Bowls Are Turned In 24" Wide Tables

[†] K-50 Swing Spout Faucet (Double Bowl)

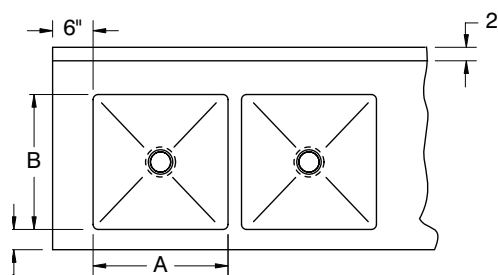
FLAT TOP, 1" or 1-1/2" REAR SPLASH



5" REAR SPLASH with 1" RETURN



10" REAR SPLASH with 2" RETURN



WARNING: Equipment that include faucets on this page may contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Faucets & Accessories

K-2B	Poly-Vance Sink Cutting Board for 14" x 16" Bowls
K-2C	Poly-Vance Sink Cutting Board for 16" x 20" Bowls
K-2D	Poly-Vance Sink Cutting Board for 18" x 24" Bowls
K-2E	Poly-Vance Sink Cutting Board for 20" x 20" Bowls
K-2F	Poly-Vance Sink Cutting Board for 24" x 24" Bowls
K-2J	Poly-Vance Sink Cutting Board for 18" x 18" Bowls
K-4	Lever Drain Bracket
K-5	Lever Drain
K-12	Deck Mounted Soap Dispenser
K-15	Lever Drain With Overflow
K-50	8" Deck Mounted 4" O.C. Swing Spout Faucet
K-50OMIT	Omit Swing Spout
K-52	3 1/2" Spout Deck Mounted 4" O.C. Gooseneck Faucet
K-52OMIT	Omit Swing Spout Gooseneck Faucet
K-53	12" Deck Mounted 4" O.C. Swing Spout Faucet
K-54	8-1/4" Water Filler Faucet
K-54A	12" Water Filler Faucet

K-55	8 1/2" Spout 4" O.C. Deck Mounted Gooseneck Faucet
K-60	4" O.C. Splash Mounted Gooseneck Faucet
K-62	X.H.D. 4" O.C. Deck Mounted Gooseneck Faucet
K-105	14" Splash Mounted 8" O.C. Faucet
K-112	Extra Heavy Duty 12" Splash Mounted Faucets
K-316-LUHA	Wrist Handles For Splash Mounted Faucets
K-350	Residential Finish & Packaging
K-452	6" x 9" Control Bracket
K-453	14" x 16" Control Bracket
K-460	Installation Of Disposal Cone w/ 6" x 9" Control Bracket
K-461	Installation Of Collar w/ 6" x 9" Control Bracket
K-470	14" Deep Bowls
K-472	Faucet Hole Revision
DTA-100	Prerinse Basket for 20" x 20" Bowls
DTA-125	Prerinse Basket for 16" x 20" Bowls



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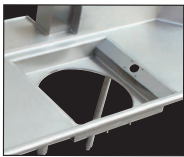
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REF-K

DISHTABLE MODS

Dishtable Modifications & Accessories



DTA-95



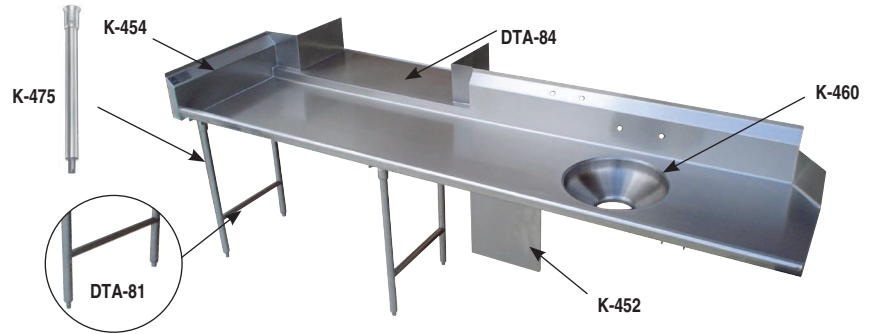
DTA-87



DTA-82



DTA-45



MODIFICATIONS

K-23	Welded Set-Up/Crated
K-24	Shell Crating
K-37	Anti-Siphon Vacuum Breaker Hole
K-57	Welded Field Joint (Welded In Field By Others)
K-76	Paint On Sound Deadening
K-77	Splash Cut-Out (Pipe Chase)
K-440	Waste Trough Installation Welded Into Table And Furnished With A 2" Deep Removable Basket
K-452	Control Bracket 8" x 12"
K-453	Control Bracket 14" x 16"
K-454	Side Splash
K-456	Scrap Block Installed (Includes Rubber Scrap Block)
K-460	Disposal Cone Welded Into Table And Furnished With 8" x 12" Control Bracket & Faucet Holes (Supplied By Others)
K-460A	Installation Of Disposal Cone With 14" x 16" Control Bracket, Faucet Holes (Cone Supplied By Others)
K-461	Disposal Collar Welded Into Sink Bowl And Furnished With 8" x 12" Control Bracket (Supplied By Others)
K-461A	Disposal Collar Welded Into Sink Bowl And Furnished With 14" x 16" Control Bracket (Supplied By Others)
K-472	Special Faucet Hole Location
K-495	Turn Down Backsplash (Incl. 2 Brackets. See K-397 For Add'l Sets)
K-508A	Special Modification Charge
K-550	Stainless Steel Tubular Rack Storage
DTA-40	Drain Hole (For Sorting Table)

DTA-45	Scrap Trough Welded To Dump Sink - Min. Scrap Trough Length Is 3'. Max. Length Is 8'. For 20" x 20" x 8" Bowl Spec-Line Soil S30 Series Only. - Consult Factory For Trough Lengths Exceeding 8 Feet
DTA-46	Inside Mitered Corner
DTA-66	Provision For Dishlanding On Straight Soil Table (Min 4")
DTA-70	Install Booster Heater Brackets (Brackets By Others)
DTA-72	Provision For Side Loader
DTA-75	Provision For Limit Switch (Limit Switch By Others)
DTA-76	Move Prerinse Sink To Conform To Dishmachine Requirements. Please Specify Machine When Placing Order
DTA-78	Notch In Backsplash Return To Clear Handle Please Specify Machine When Placing Order
DTA-81	S/S Welded Leg Assembly with S/S Feet
DTA-82	15" x 20" x 8" Undercounter Dump Sink
DTA-84	Simple Pass-Thru (Specify Wall Thickness - Min. Length 36")
DTA-87	Pass-Thru Wall Frame (Specify Wall Thickness - Min. Length 36")
DTA-95	Install Scrapper Top
DTA-96	Install Trough Collector
DTA-99A	16" x 20" x 12" Sink Bowls
DTA-99B	20" x 20" x 12" Sink Bowls
DTA-99C	10" x 14" x 5" Dump Sink
DTA-99D	18" x 24" x 14" Sink
DTA-99E	24" x 24" x 14" Sink
DTA-106	Mirror Highlight To Dishtable Upgrade

ACCESSORIES

K-4	Lever Drain Bracket
K-5	Twist Handle Operated Drain
K-15	Twist Handle Operated Drain With Overflow
K-397	Wall Brackets (2 Each. Brackets Included With K-495)
K-455C	Stainless Steel Sink Cover 16" x 20"
K-455E	Stainless Steel Sink Cover 20" x 20"
K-457	Replacement Rubber Scrap Block (See K-456 For Install Cost)
K-475	Replacement S/S Leg With Stainless Steel Bullet Foot
K-478	Replacement Stainless Steel Bullet Foot
K-488	Flanged S/S Bullet Foot
K-550	Stainless Steel Tubular Rack Storage
K-610	Perforated Stainless Steel Sink Grid (Specify Bowl Size)
K-700D	12" High Removable Side Splash For Dishtables (Specify Model)
DTA-53	SPEC-LINE Heavy Duty Prerinse Faucet
DTA-51	Pre-Rinse Slide Bar for 18" x 24" Fab. Sink Bowls

DTA-52	Pre-Rinse Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-55	Column Notch (Includes Splash)
DTA-56	Add'l Length On 59" Side Of Corner Or Straight Tables
DTA-58	Pre-Rinse Basket w/ Slide Bar for 18" x 24" Fab. Sink Bowls
DTA-59	Pre-Rinse Basket w/ Slide Bar for 24" x 24" Fab. Sink Bowls
DTA-60	Prerinse Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-62	Prerinse Basket For 20" x 20" Deep Drawn Bowls
DTA-63	Prerinse Slide Bar For 20" x 20" Deep Drawn Bowls
DTA-64	Prerinse Slide Bar For 16" x 20" Fab. Sink Bowls
DTA-65	Prerinse Slide Bar For 16" x 20" Deep Drawn Bowls
DTA-67	Stainless Steel Rear Cross-Bracing (Factory Installed Only)
DTA-69	Prerinse Basket For 16" x 20" Deep Drawn Bowls
DTA-100	Prerinse Basket with Slide Bar for 20" x 20" Fab. Sink Bowls
DTA-125	Prerinse Basket with Slide Bar for 16" x 20" Fab. Sink Bowls
DTA-125A	Perforated Basket for DTA-82 Dump Sink

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL





ADDITIONAL DISHTABLE ACCESSORIES

For More Faucet Options & Faucet Specs,
See Faucet Specifications

WARNING:

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more info., visit www.p65warnings.ca.gov.

Prerinse Baskets with Welded Slide Bar For Fabricated Bowls

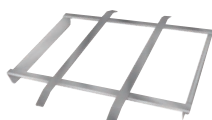
Model #	Fits Bowls	Wt.	Cu.
DTA-125	16" x 20" x 4"	9 lbs.	1
DTA-100	20" x 20" x 4"	12 lbs.	1
Large Size Baskets			
DTA-58	18" x 24" x 4"	11 lbs.	1
DTA-59	24" x 24" x 4"	20 lbs.	1



DTA-100
Shown

Prerinse Slide Bars For Fabricated Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-64	16" x 20"	7 lbs.	1
DTA-60	20" x 20"	9 lbs.	1
Large Size Prerinse Slide Bars			
DTA-51	18" x 24"	8 lbs.	1
DTA-52	24" x 24"	10 lbs.	1



Prerinse Baskets with Welded Slide Bar For Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-69	16" x 20" x 4"	9 lbs.	1
DTA-62	20" x 20" x 4"	12 lbs.	1



DTA-62
Shown

Prerinse Slide Bars for Deep Drawn Bowls

Model #	Fits Bowls	Wt.	Cu.
DTA-65	16" x 20"	7 lbs.	1
DTA-63	20" x 20"	9 lbs.	1



Splash Mounted Faucet EXTRA HEAVY DUTY

K-119
8" O.C.

16" Spout



Splash Mounted Faucet

K-101
8" O.C.

8" Spout



SPEC-LINE EXTRA HEAVY DUTY

Prerinse Faucet

DTA-53
8" O.C.

Wall
Bracket
Included

Splash
Mounted

Interchangeable with
T&S Brand Faucets
T&S Equivalent = B133-B



Prerinse Faucet



K-116
8" O.C.

Wall
Bracket
Included

Splash
Mtd.



Add-A-Faucet for DTA-53
Prerinse Faucet
K-117



Add-A-Faucet for K-116
Prerinse Faucet
K-117-TS



Stainless Steel Sink Compartment Covers

K-455
16" x 20" Cover
or
20" x 20"
Specify Size



Lever Operated Drain

K-5



Twist Handle 2" IPS

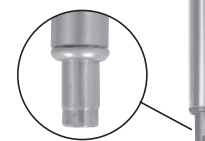
Lever Drain Support Bracket

K-4



INDIVIDUAL Stainless Steel Legs with Stainless Steel Adjustable Bullet Feet

K-475



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NEVADA
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Submittal Sheet

ITEM# 53 - MINI PRE-RINSE FAUCET ASSEMBLY (1 EA REQ'D)

T&S Brass 5MPH-8WLN-08

Pre-Rinse Unit, wall mount, 8" centers, 24" flexible stainless steel hose, 1.15 GPM spray valve, 8" swing spout, quarter-turn ceramic cartridges with check valves, lever handles with color coded indexes, 6" adjustable wall bracket, polished chrome-plated brass faucet body, 1/2" inlets, low lead, cCSAus

ACCESSORIES

Mfr	Qty	Model	Spec
T&S Brass	2		Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet with 1-1/2" adapter (replaces B-3912, B-3916)

WATER

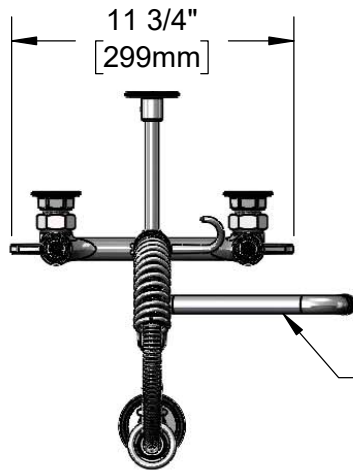
	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1	1/2"			1/2"					
2									

WASTE

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

PLUMBING 2 REMARKS

2" NPT Male Thread, 1-1/2 NPT Female Thread Outlet



5SP-08
8" Swing Nozzle
w/ Laminar
Flow Device



equip 24" Flexible
Stainless Steel
Hose w/ Spring
& Spray Valve

Items Not Shown
For Clarity

3/8" NPT x 8" Riser

Finger Hook

5SV
1.15 GPM
Spray Valve

8 1/8"
[206mm]

9 1/2"
[241mm]

7 1/16"
[179mm]

2 3/4"
[70mm]

8"
[203mm]

Adjustable From
7 3/4" to 8 1/4"
[197mm to 210mm]

Quarter-Turn
Ceramic Cartridges
& equip Lever
Handles w/ Color
Coded Screws

Ø 2" [51mm]
Flanges w/
In-Line Check
Valves & 1/2" NPT
Female Inlets

3 5/8"
[92mm]

7 3/8"
[188mm]

2 3/8"
[60mm]

Mounting
Surface

2 5/16"
[59mm]

21 3/4"
[553mm]

013716-40
6" Wall
Bracket

5AFL08
Add-On Faucet w/
Quarter-Turn
Ceramic Cartridge,
Lever Handle &
8" Swing Nozzle



B-0230-K
1/2" NPT
Short EI Installation Kit
(Sold Separately)

This Space for Architect/Engineer Approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____

Model Number

5MPH-8WLN-08

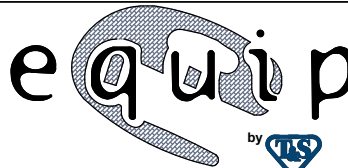
Product Specifications:

Pre-Rinse Unit: 8" Wall Mount Mixing Faucet w/ Quarter-Turn Ceramic Cartridges, Add-On Faucet w/ 8" Swing Nozzle, 1.15 GPM Spray Valve, 6" Wall Bracket, In-Line Check Valves & 1/2" NPT Female Inlets

Product Compliance:

ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
2019 DOE PRSV - Class II
DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

equip
Foodservice
Accessories



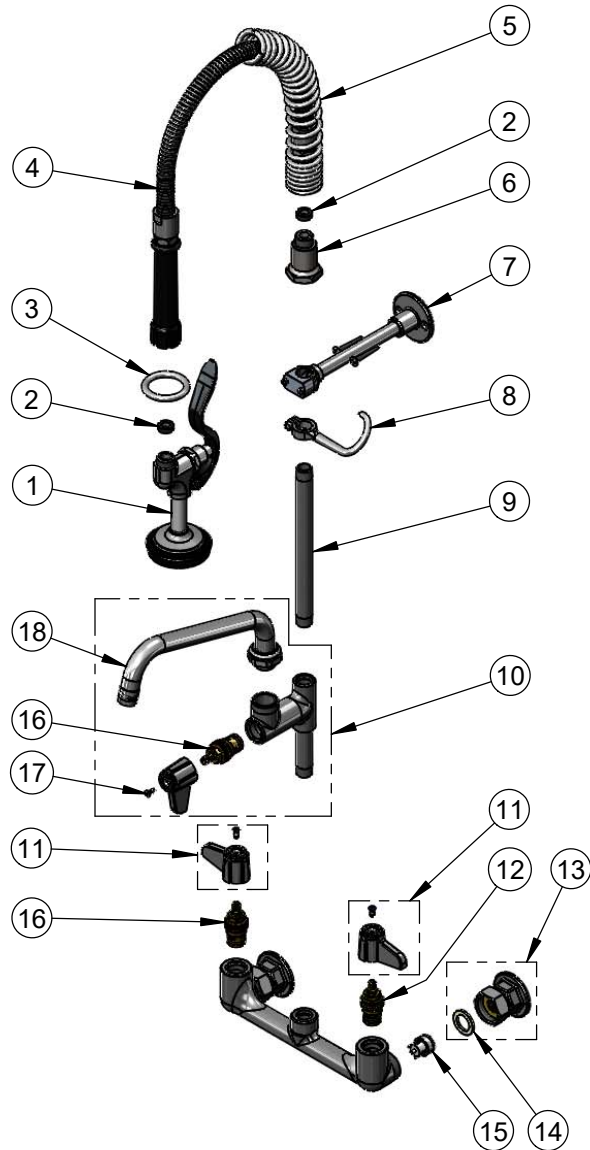
2 Saddleback Cove, P.O. Box 1088
Travelers Rest, South Carolina 29690
Phone: 800.891.4808 Fax: 800.868.0084
equip.tsbrass.com

Drawn: KJG | Checked: MRC

Approved: JHB | Date: 11/02/18

Scale: 1:8

Sheet: 1 of 2



ITEM NO.	SALES NO.	DESCRIPTION
1	5SV	equip 1.15 GPM Spray Valve
2	010476-45	#27 Washer
3	000907-45	Spray Valve Hold Down Ring
4	5HSE24	24" Flexible Stainless Steel Hose
5	016795-45	Compact Spring
6	000821-40	Spring Body
7	013716-40	6" Wall Bracket
8	004R	Finger Hook
9	078X	Nipple, 3/8" NPT x 8"
10	5AFL08	Add-On Faucet w/ 8" Swing Nozzle
11	5-HDL-L	equip Lever Handle w/ Color Coded Screws
12	013788-45	equip Quarter-Turn Ceramic Cartridge, LTC
13	00AA	1/2" NPT Female Eccentric Flange
14	001019-45	Coupling Nut Washer
15	013840-45	20mm Check Valve (2)
16	013787-45	equip Quarter-Turn Ceramic Cartridge, RTC
17	013849-45	Handle Screw (10)
18	5SP-08	equip 8" Swing Nozzle

Model Number

5MPH-8WLN-08

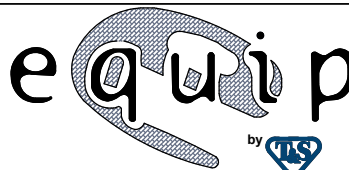
Product Specifications:

Pre-Rinse Unit: 8" Wall Mount Mixing Faucet w/ Quarter-Turn Ceramic Cartridges, Add-On Faucet w/ 8" Swing Nozzle, 1.15 GPM Spray Valve, 6" Wall Bracket, In-Line Check Valves & 1/2" NPT Female Inlets

Product Compliance:

ASME A112.18.1 / CSA B125.1
 NSF 61 - Section 9
 NSF 372 (Low Lead Content)
 2019 DOE PRSV - Class II
 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

equip
 Foodservice
 Accessories



2 Saddleback Cove, P.O. Box 1088
 Travelers Rest, South Carolina 29690
 Phone: 800.891.4808 Fax: 800.868.0084
 equip.tsbrass.com

Drawn: KJG | Checked: MRC

Approved: JHB | Date: 11/02/18

Scale: NTS

Sheet: 2 of 2


T&S BRASS AND BRONZE WORKS, INC.

 2 Saddleback Cove / P.O. Box 1088
 Travelers Rest, SC 29690

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

Model No.

B-3950

Item No.

This Space for Architect/Engineer Approval

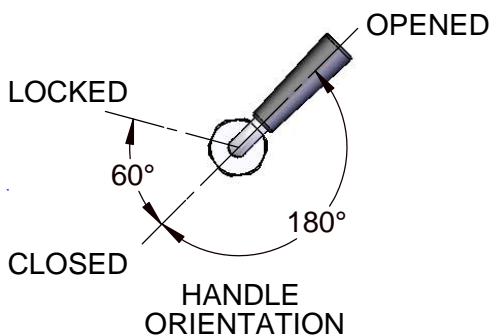
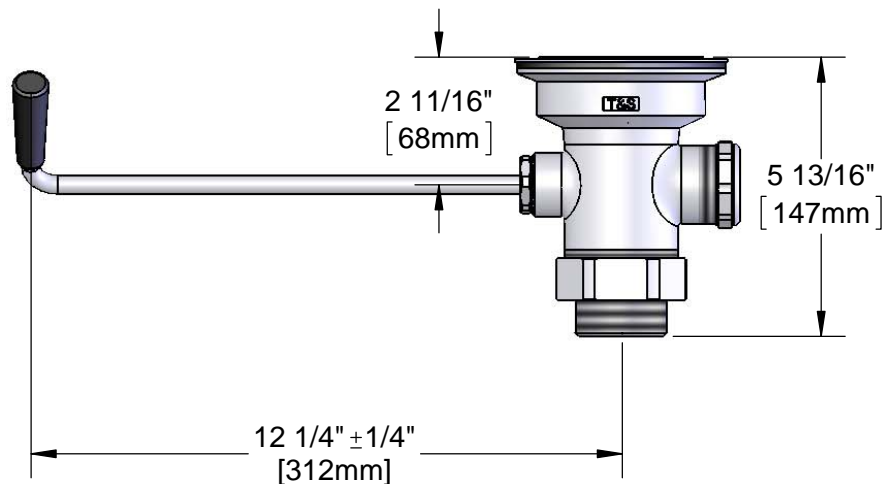
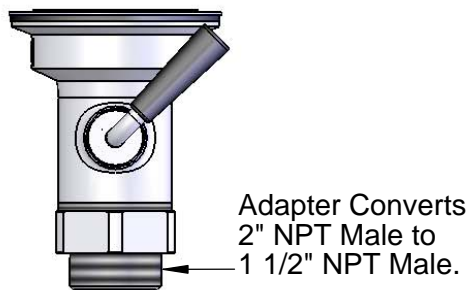
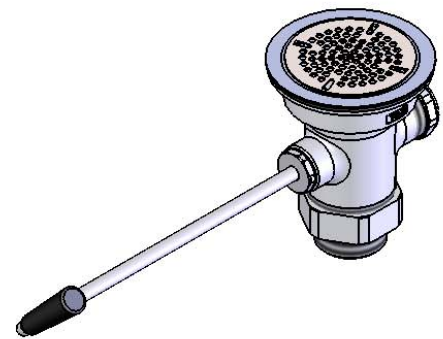
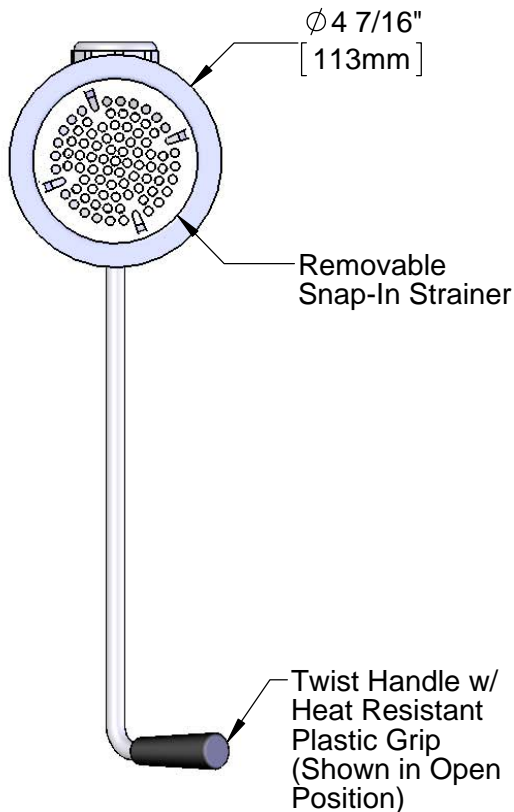
Job Name _____ Date _____

Model Specified _____ Quantity _____

Customer/Wholesaler _____

Contractor _____

Architect/Engineer _____



Product Specifications:

 Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male Outlet
 & 1 1/2" NPT Male Adapter

 DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.2 / CSA B125.2



T&S BRASS AND BRONZE WORKS, INC.

2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

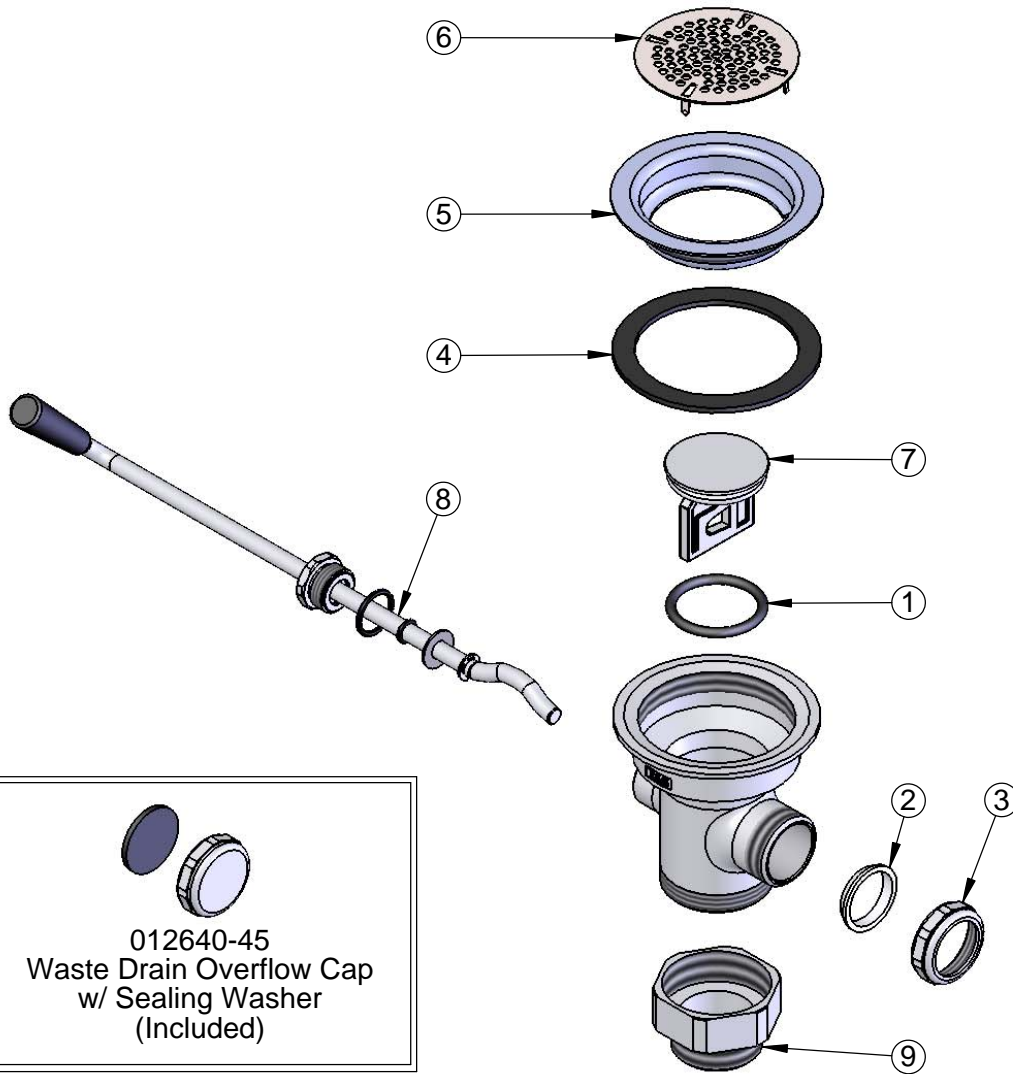
Model No.

B-3950

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	010389-45	O-Ring, Plunger
2	010390-45	Ferrule, Coupling Nut
3	010391-45	Nut, Coupling For Twist Drain
4	010382-45	Gasket, 3 1/2" Face Flange
5	010384-45	Flange, 3 1/2" Face
6	010386-45	Strainer, 3 1/2" Snap-in Removable
7	010388-45	Plunger, Lever and Twist Drain
8	010393-45	Rotary Waste Valve Twist Handle
9	B-3945	Adapter, 2" NPT x 1 1/2" NPT



Product Specifications:

Rotary Waste Valve w/ Twist Handle, 3 1/2" Sink Opening, 2" NPT Male Outlet & 1 1/2" NPT Male Adapter

DZILTH-NA-O-DITH-HLE
COMMUNITY SCHOOL

Product Compliance:

ASME A112.18.2 / CSA B125.2

Submittal Sheet**ITEM# 54 - SHELVING, WALL MOUNTED (1 EA REQ'D)**

Advance Tabco WS-12-84

Shelf, wall-mounted, 84"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)



STAINLESS STEEL WALL SHELVES



Item #: _____ Qty #: _____

Model #: _____

Project #: _____

**FEATURES:**

Brackets can be positioned to accommodate wall studs.

Furnished with a 1-5/8" Bullnose edge with a 1-1/2" turn-up edge at rear. Ends are turned down square.

MATERIAL:

16 Gauge Series - 304 stainless steel polished to a satin finish.

18 Gauge Series - 430 stainless steel polished to a satin finish.

CONSTRUCTION:

Secured to wall by means of bolts through support brackets.

Units 7 ft. and larger are furnished with 3 brackets.

10" Wide				12" Wide			15" Wide			18" Wide			
L	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	Approx. Cu. Ft.
24"	WS-10-24-16	WS-10-24	8 lbs.	WS-12-24-16	WS-12-24	9 lbs.	WS-15-24-16	WS-15-24	11 lbs.	WS-18-24-16	WS-18-24	14 lbs.	3
30"	-	-	-	WS-12-30-16	WS-12-30	12 lbs.	-	-	-	-	-	-	4
36"	WS-10-36-16	WS-10-36	10 lbs.	WS-12-36-16	WS-12-36	12 lbs.	WS-15-36-16	WS-15-36	15 lbs.	WS-18-36-16	WS-18-36	21 lbs.	4
42"	-	-	-	WS-12-42-16	WS-12-42	14 lbs.	-	-	-	-	-	-	5
48"	WS-10-48-16	WS-10-48	12 lbs.	WS-12-48-16	WS-12-48	14 lbs.	WS-15-48-16	WS-15-48	18 lbs.	WS-18-48-16	WS-18-48	24 lbs.	5
60"	WS-10-60-16	WS-10-60	15 lbs.	WS-12-60-16	WS-12-60	17 lbs.	WS-15-60-16	WS-15-60	23 lbs.	WS-18-60-16	WS-18-60	28 lbs.	6
72"	WS-10-72-16	WS-10-72	17 lbs.	WS-12-72-16	WS-12-72	21 lbs.	WS-15-72-16	WS-15-72	28 lbs.	WS-18-72-16	WS-18-72	32 lbs.	7
84"	WS-10-84-16	WS-10-84	20 lbs.	WS-12-84-16	WS-12-84	25 lbs.	WS-15-84-16	WS-15-84	32 lbs.	WS-18-84-16	WS-18-84	36 lbs.	8
96"	WS-10-96-16	WS-10-96	23 lbs.	WS-12-96-16	WS-12-96	28 lbs.	WS-15-96-16	WS-15-96	36 lbs.	WS-18-96-16	WS-18-96	42 lbs.	10
108"	WS-10-108-16	WS-10-108	28 lbs.	WS-12-108-16	WS-12-108	32 lbs.	WS-15-108-16	WS-15-108	40 lbs.	WS-18-108-16	WS-18-108	48 lbs.	11
120"	WS-10-120-16	WS-10-120	32 lbs.	WS-12-120-16	WS-12-120	36 lbs.	WS-15-120-16	WS-15-120	44 lbs.	WS-18-120-16	WS-18-120	54 lbs.	12
132"	WS-10-132-16	WS-10-132	36 lbs.	WS-12-132-16	WS-12-132	42 lbs.	WS-15-132-16	WS-15-132	49 lbs.	WS-18-132-16	WS-18-132	60 lbs.	13
144"	WS-10-144-16	WS-10-144	40 lbs.	WS-12-144-16	WS-12-144	48 lbs.	WS-15-144-16	WS-15-144	55 lbs.	WS-18-144-16	WS-18-144	66 lbs.	14



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

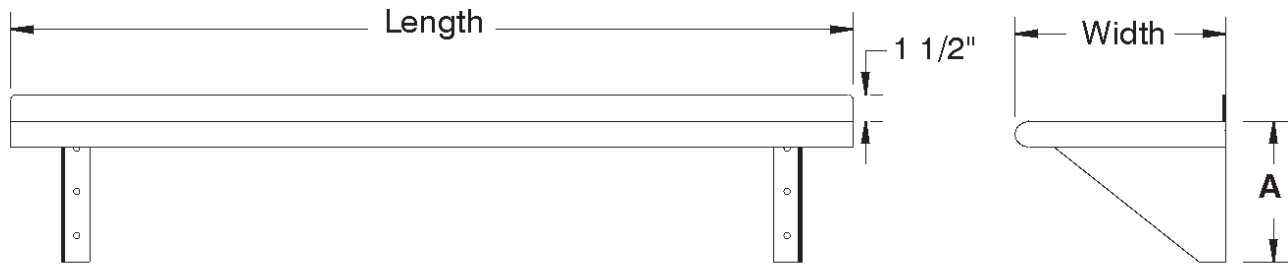
For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

DETAILS and SPECIFICATIONS

TOL ± .500"

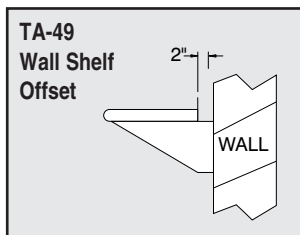
ALL DIMENSIONS ARE TYPICAL



Width	A
10"	8 1/2"
12"	10 1/2"
15"	13 1/2"
18"	16 1/2"

Wall Shelf Options

PRT-1	Printer Shelf
TA-22A	Square Edge Shelf
TA-26	Welded Shelf Brackets
TA-49	Wall Shelf 2" Offset
TA-71	Heat Lamp Provision
TA-77	Check Minder
TA-77A	Concealer for Heat Lamp (Requires TA-77)
TA-99A	14 Ga. S/S 304 Upgrade for Overshelves
TA-100A	Bullnose Edge On All 4 Sides of Shelf
TA-102	6" Cantilever Shelf Offset



Requirements for NSF Installations

1. Install at least 60" above floor.
2. Limit to dry storage.
3. Avoid contact with liquids.
4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.



Submittal Sheet

ITEM# 55 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 56 - SPARE NO.

<Spare No.>

Submittal Sheet**ITEM# 57 - EQUIPMENT STAND, FOR MIXER / SLICER (1 EA REQ'D)**

Advance Tabco MT-SS-300

Equipment Stand, 30"W x 30"D x 24"H, 14/304 stainless steel top, 18 gauge stainless steel adjustable undershelf & legs, adjustable stainless steel bullet feet, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	TA-255	Casters, expanding adapter, for 1-5/8" dia. O.D. tube/table legs, 400 lb capacity per caster, set of (4) (2 with brakes)



MX-SS-242 Shown
Mixer Not Included



MT-SS-242
Shown



AG-MT-242
Shown

STAINLESS STEEL MIXER TABLES



Item #: _____ Qty #: _____

Model #: _____

Project #: _____

UTENSIL RACK & UNDERSHELF

	S/S Base	Galv. Base		
O.A. Size W x L	Model	Model	Approx. Wt.	Approx. Cu. Ft.
24" x 24"	MX-SS-242	MX-GL-242	53 lbs.	3
30" x 24"	MX-SS-302	MX-GL-302	63 lbs.	3
30" x 30"	MX-SS-300	MX-GL-300	70 lbs.	4
30" x 36"	MX-SS-303	MX-GL-303	77 lbs.	4
36" x 36"	MX-SS-363	MX-GL-363	81 lbs.	5

WITH UNDERSHELF

	S/S Base	Galv. Base		
O.A. Size W x L	Model	Model	Approx. Wt.	Approx. Cu. Ft.
24" x 24"	MT-SS-242	MT-GL-242	45 lbs.	3
30" x 24"	MT-SS-302	MT-GL-302	50 lbs.	3
30" x 30"	MT-SS-300	MT-GL-300	55 lbs.	4
30" x 36"	MT-SS-303	MT-GL-303	68 lbs.	4
36" x 36"	MT-SS-363	MT-GL-363	71 lbs.	5

BUDGET SERIES WITH UNDERSHELF

	S/S Base	Galv. Base		
O.A. Size W x L	Model	Model	Approx. Wt.	Approx. Cu. Ft.
24" x 24"	SAG-MT-242	AG-MT-242	38 lbs.	3
30" x 24"	SAG-MT-302	AG-MT-302	41 lbs.	3
30" x 30"	SAG-MT-300	AG-MT-300	52 lbs.	4
30" x 36"	SAG-MT-303	AG-MT-303	58 lbs.	4
36" x 36"	SAG-MT-363	AG-MT-363	64 lbs.	5

FEATURES:

TOP is furnished with a 2" x 1" square die embossed NO-DRIP countertop offset edge with a 1/2" return on 4 sides.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undersheff is adjustable.

MATERIAL:

MX-SS & MT-SS SERIES - Stainless Steel Base

TOP is 14 gauge stainless steel type "304" series with galvanized understructure.

UNDERSHELF is 18 gauge stainless steel.

LEGS are 1 5/8" diameter tubular stainless steel with stainless steel bullet feet & gussets.

UTENSIL RACK on MX-SS Series is 1 5/8" dia. stainless steel tubing with stainless steel hooks.

MX-GL & MT-GL Series - Galvanized Steel Base

TOP is 14 gauge stainless steel type "304" series with galvanized understructure.

UNDERSHELF is galvanized steel.

LEGS are 1 5/8" diameter, tubular galvanized steel. Gussets are galvanized steel with 1" adjustable plastic bullet feet.

UTENSIL RACK on MX-SS Series is 1 5/8" diameter galvanized steel tubing with stainless steel hooks.

SAG-MT & AG-MT Budget Series

TOP is heavy gauge stainless steel type "430" series with galvanized understructure.

SAG-MT Series UNDERSHELF is 18 gauge stainless steel.

AG-MT Series UNDERSHELF is galvanized steel.

SAG-MT Series LEGS are 1 5/8" diameter, tubular stainless steel. Gussets are stainless steel. 1" adjustable stainless steel bullet feet.

AG-MT Series LEGS are 1 5/8" diameter, tubular galvanized steel. Gussets are galvanized steel. 1" adjustable plastic bullet feet.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surface.

Entire Top is mechanically polished to a satin finish and is sound deadened. Countertop edge polished to a MIRROR FINISH.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat channels.



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 7:00 pm E.S.T.

For Orders & Customer Service:

Email: customer@advancetabco.com or Fax: 631-242-6900

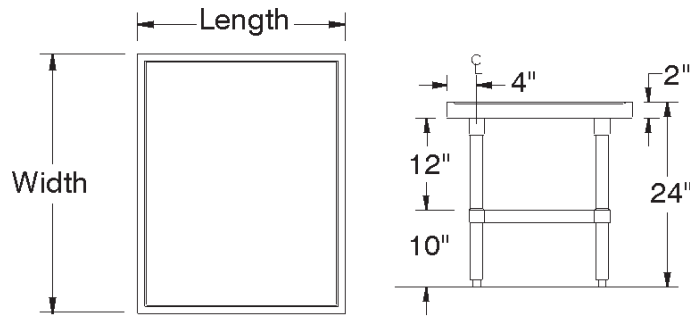
For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

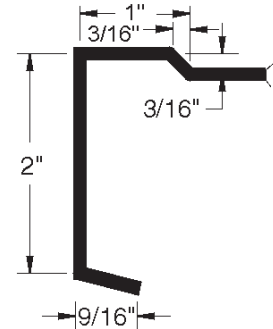
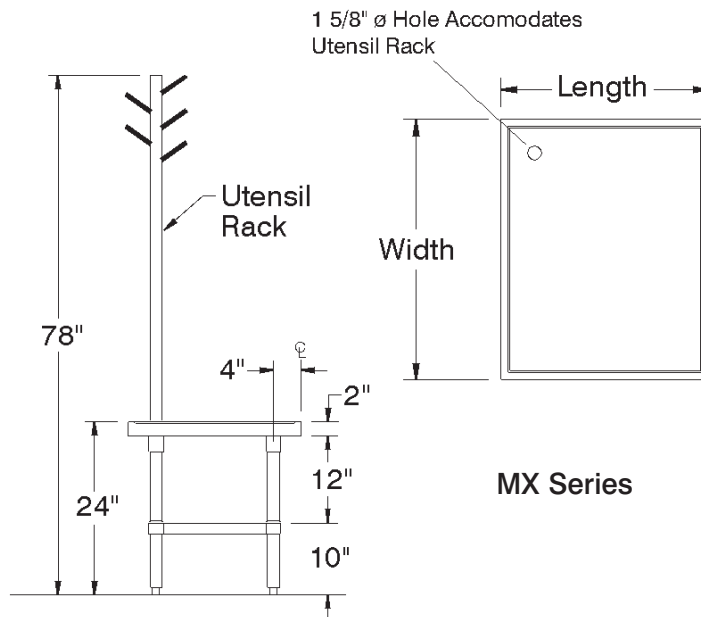
DETAILS and SPECIFICATIONS

TOL \pm .500"

ALL DIMENSIONS ARE TYPICAL



MT, SAG & AG Series

Countertop Edge
Detail

MX Series



REF-O

325 Wireless Boulevard, Hauppauge, NY 11788

Dzilth-Na-O-Dith-Hle Community School - REV 2

Standard Restaurant Supply

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice.

© ADVANCE TABCO, JUNE 2020

Page: 244

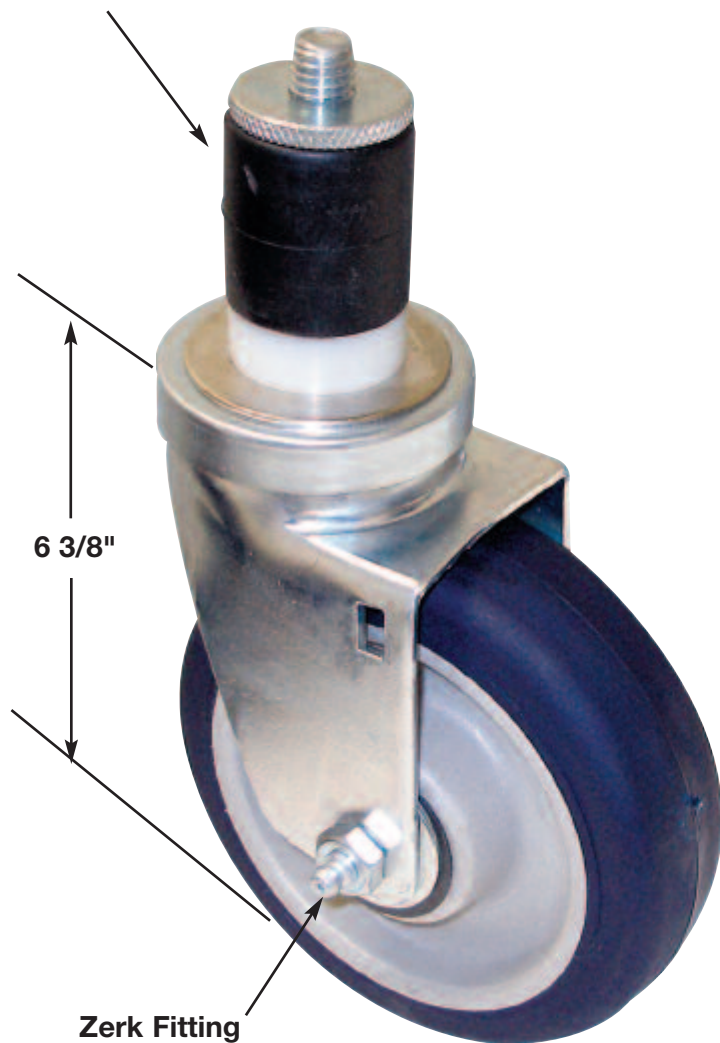


ACCESSORIES - EXPLODED VIEW

Model: TA-255 Super Heavy Duty Polyurethane Casters

EACH SET CONSISTS OF 2 CASTERS WITH BRAKE AND 2 CASTERS WITHOUT
 TA-256 Available for Set of 6 Casters: 3 with Brakes, 3 without

Expanding Adapter
 For 1-5/8" Dia. O.D. Tube



Unit Shown with
 Vertical Lock Brake

5" Dia. x 1-1/2" Thread Width.
 Blue Polyurethane, Non-Marking, Roller Bearing Wheel

400 LBS. CAPACITY EACH - TEMPERATURE RANGE = 30° - 180° F



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

Email Orders To: customer@advancetabco.com. For Smart Fabrication™ Quotes, Email To: smartfab@advancetabco.com or Fax To: 631-586-2933

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GEORGIA

Fax: (770) 775-5625

TEXAS

Fax: (972) 932-4795

NEVADA

Fax: (775) 972-1578

Submittal Sheet**ITEM# 58 - FOOD SLICER, ELECTRIC (1 EA REQ'D)**

NIC

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Centaur - Model 212

Motors: 1/3 HP, 115-60-1, 2.7 amps, 0 to 9/16" slice thickness, Positive traction grooved belt drive, Top mounted knife sharpener, Hard chromed, hollow ground knife, Belt driven, positive grooved knife, Nominal 12" diameter, Anodized aluminum construction, Sealed splash zones, Moisture proof On/Off buttons, Gravity feed food chute, Metal bottom enclosure, Compact space saving design, Removable slice deflector, Heavy duty feet, 8' foot cord and plug



Model: **209-1, 210-1, 212-1**
Compact Manual Slicer

PROJECT NAME: _____ LOCATION: _____

ITEM: _____ MODEL #: _____



212-1



210-1



209-1

Knife Cover: The knife cover is designed to fit on the slicer only one way to ensure accurate placement every time.

Knife Hub: Knife hub bearings, belt, and motor are fully enclosed protecting them from food and other debris.

Table Rod: Separate table support rod is protected by the table casting and cover.

Underside: Components are covered by a metal plate protecting them from food and other debris.

Slice Deflector: Heavy duty deflector is securely fastened to the slicer, yet is still easy to remove without tools.

FEATURES LIST

Model	UPC
209-1	669452600918
210-1	669452601014
212-1	669452601212

SPECIFICATIONS

- Powerful motors
 - 209-1: ¼ HP, 115-60-1, 2.3 amps
 - 210-1: ¼ HP, 115-60-1, 2.5 amps
 - 212-1: ½ HP, 115-60-1, 2.7 amps
- 0 to 9/16" slice thickness
- Positive traction grooved belt drive
- Top mounted knife sharpener
- Hard chromed, hollow ground knife
- Belt driven, positive grooved knife
 - 209-1: Nominal 9" diameter
 - 210-1: Nominal 10" diameter
 - 212-1: Nominal 12" diameter
- Anodized aluminum construction
- Sealed splash zones
- Moisture proof On/Off buttons
- Gravity feed food chute
- Metal bottom enclosure
- Compact space saving design
- Removable slice deflector
- Heavy duty feet
- 8 foot cord and plug

Increased Cleanability and Sanitation Features - NSF/ANSI 8 - 2010 Standard

WARRANTY

One-year parts and labor

Specifications subject to change without notice

Approvals: cETLLus, NSF ANSI 8, 2010



DZILTH-NA-O-DITH-HLE
 COMMUNITY SCHOOL

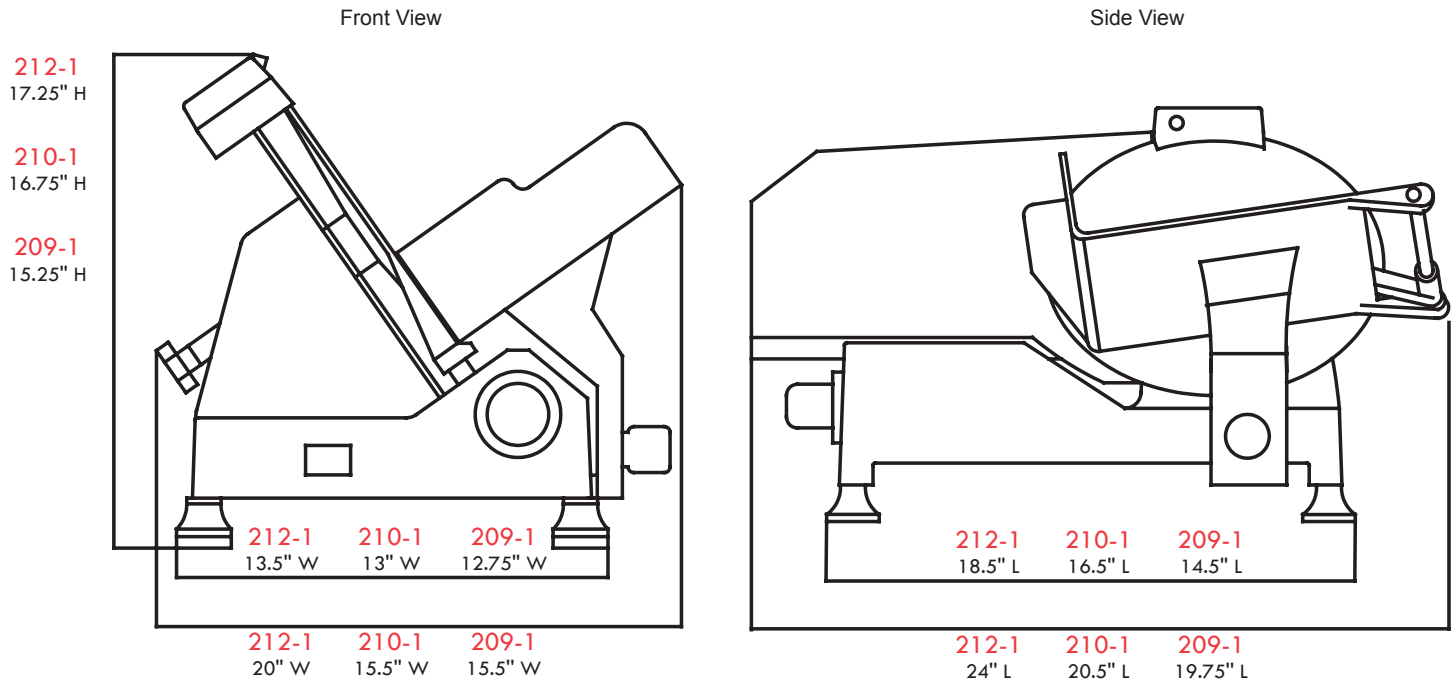
Centaur®



Model: **209-1, 210-1, 212-1**
Compact Manual Slicer

PLAN VIEW

209-1, 210-1 & 212-1



Plug Type - NEMA 5-15P



DIMENSIONAL DATA

Model	UPC	Knife Dia.	HP	Cutting Capacity	Voltage	Amps	Unit Dimensions L x W x H	Net Weight	Shipping Dimensions L x W x H	Shipping Weight
209-1	669452600918	9"	1/4	6.5" H, 7.25" W, 6.25" Dia.	115-60-1	2.3	19.75" x 15.5" x 15.25"	31.4 lbs	21" x 18" x 17"	38 lbs
210-1	669452601014	10"	1/4	7.25" H, 8.62" W, 6.87" Dia.	115-60-1	2.5	20.5" x 15.5" x 16.75"	31.6 lbs	24" x 22" x 18"	42 lbs
212-1*	669452601212	12"	1/3	8.62" H, 9.75" W, 8" Dia.	115-60-1	2.7	24" x 20" x 17.25"	46 lbs	28" x 23" x 19"	57 lbs

Recommended Slicing per Day:

209-1	< 30 minutes
210-1	30-45 minutes
212-1	1 Hour

209-1 & 210 Not recommended for slicing cheese.

*212-1 Recommended for cheese slicing in small amounts.

Submittal Sheet**ITEM# 59 - WORK TABLE, STAINLESS STEEL TOP (2 EA REQ'D)**

Advance Tabco KMS-304

Work Table, 48"W x 30"D, 16 gauge 304 stainless steel top with 5"H backsplash, 18 gauge stainless steel adjustable undershelf, stainless steel legs & adjustable bullet feet, NSF



STAINLESS STEEL WORK TABLES

STANDARD Series - 5" Backsplash - Undershelf Style

Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____

FEATURES:

Top is furnished with a 1 5/8" sanitary rolled rim edge on front, 1 5/8" square side edges, and a 5" splash with a 1" return on the rear side.

TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Aluminum die cast "leg-to-shelf" clamp secures shelf to leg eliminating unsightly nuts and bolts. Undershelf is adjustable.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

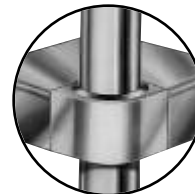
Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.



NEW
Rolled Rim Edges on
Front & Splash on
Back and Square
Side Edges



Featuring as Standard:
"THE PROVEN"
ORIGINAL ADVANCE TABCO
Adjustable Undershelf
with Die Cast Leg Clamp

MATERIAL:

KMS-SERIES: Stainless Steel Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge stainless steel.

LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

KMG-SERIES: Galvanized Legs & Undershelf

TOP: 16 gauge stainless steel type "304" series.

SHELF: 18 gauge galvanized steel.

LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMS-240	KMS-300	
24"	KMS-242	KMS-302	
36"	KMS-243	KMS-303	KMS-363
48"	KMS-244	KMS-304	KMS-364
60"	KMS-245	KMS-305	KMS-365
72"	KMS-246	KMS-306	KMS-366
84"	KMS-247	KMS-307	KMS-367
96"	KMS-248	KMS-308	KMS-368
108"	KMS-249	KMS-309	KMS-369
120"	KMS-2410	KMS-3010	KMS-3610
132"	KMS-2411	KMS-3011	KMS-3611
144"	KMS-2412	KMS-3012	KMS-3612

KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	30" Wide	36" Wide
30"	KMG-240	KMG-300	
24"	KMG-242	KMG-302	
36"	KMG-243	KMG-303	KMG-363
48"	KMG-244	KMG-304	KMG-364
60"	KMG-245	KMG-305	KMG-365
72"	KMG-246	KMG-306	KMG-366
84"	KMG-247	KMG-307	KMG-367
96"	KMG-248	KMG-308	KMG-368
108"	KMG-249	KMG-309	KMG-369
120"	KMG-2410	KMG-3010	KMG-3610
132"	KMG-2411	KMG-3011	KMG-3611
144"	KMG-2412	KMG-3012	KMG-3612



Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 8:00 pm E.S.T.

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TEXAS
Fax: (972) 932-4795

NEVADA
Fax: (775) 972-1578

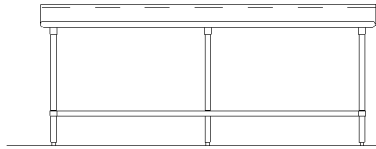
DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL $\pm .500"$

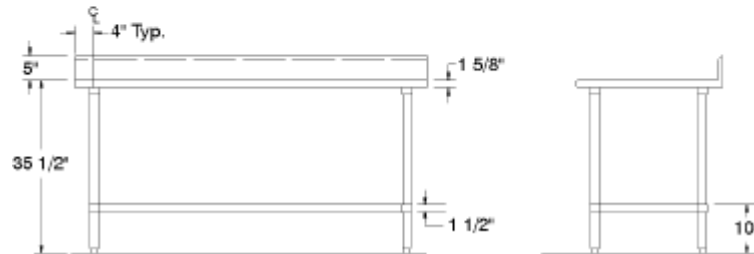
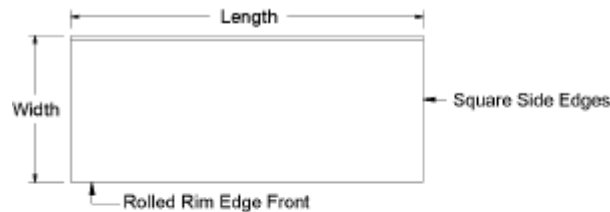
All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

KMS & KMG Series Undershelf Style 5" Backsplash

Finished size of undershelf = Length minus 5 3/4"
Width minus 5 3/4"



Units 8ft. and larger are furnished with six (6) legs



KMS-Series: Stainless Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMS-240	55 lbs.	KMS-300	70 lbs.		
24"	KMS-242	50 lbs.	KMS-302	56 lbs.		
36"	KMS-243	66 lbs.	KMS-303	77 lbs.	KMS-363	92 lbs.
48"	KMS-244	81 lbs.	KMS-304	92 lbs.	KMS-364	101 lbs.
60"	KMS-245	95 lbs.	KMS-305	111 lbs.	KMS-365	121 lbs.
72"	KMS-246	113 lbs.	KMS-306	129 lbs.	KMS-366	142 lbs.
84"	KMS-247	135 lbs.	KMS-307	153 lbs.	KMS-367	169 lbs.
96"	KMS-248	150 lbs.	KMS-308	171 lbs.	KMS-368	189 lbs.
108"	KMS-249	165 lbs.	KMS-309	195 lbs.	KMS-369	260 lbs.
120"	KMS-2410	268 lbs.	KMS-3010	294 lbs.	KMS-3610	315 lbs.
132"	KMS-2411	301 lbs.	KMS-3011	331 lbs.	KMS-3611	358 lbs.
144"	KMS-2412	316 lbs.	KMS-3012	346 lbs.	KMS-3612	373 lbs.

KMG-Series: Galvanized Steel Legs & Undershelf

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	KMG-240	55 lbs.	KMG-300	70 lbs.		
24"	KMG-242	50 lbs.	KMG-302	56 lbs.		
36"	KMG-243	66 lbs.	KMG-303	77 lbs.	KMG-363	92 lbs.
48"	KMG-244	81 lbs.	KMG-304	92 lbs.	KMG-364	101 lbs.
60"	KMG-245	95 lbs.	KMG-305	111 lbs.	KMG-365	121 lbs.
72"	KMG-246	113 lbs.	KMG-306	129 lbs.	KMG-366	142 lbs.
84"	KMG-247	135 lbs.	KMG-307	153 lbs.	KMG-367	169 lbs.
96"	KMG-248	150 lbs.	KMG-308	171 lbs.	KMG-368	189 lbs.
108"	KMG-249	165 lbs.	KMG-309	195 lbs.	KMG-369	260 lbs.
120"	KMG-2410	268 lbs.	KMG-3010	294 lbs.	KMG-3610	315 lbs.
132"	KMG-2411	301 lbs.	KMG-3011	331 lbs.	KMG-3611	358 lbs.
144"	KMG-2412	316 lbs.	KMG-3012	346 lbs.	KMG-3612	373 lbs.



Submittal Sheet**ITEM# 60 - SHELVING, WALL MOUNTED (2 EA REQ'D)**

Advance Tabco WS-12-48

Shelf, wall-mounted, 48"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 18/430 satin finish stainless steel, NSF



STAINLESS STEEL WALL SHELVES



Item #: _____ Qty #: _____
 Model #: _____
 Project #: _____



FEATURES:

Brackets can be positioned to accommodate wall studs.
 Furnished with a 1-5/8" Bullnose edge with a 1-1/2" turn-up edge at rear. Ends are turned down square.

CONSTRUCTION:

Secured to wall by means of bolts through support brackets.
 Units 7 ft. and larger are furnished with 3 brackets.

MATERIAL:

16 Gauge Series - 304 stainless steel polished to a satin finish.

18 Gauge Series - 430 stainless steel polished to a satin finish.

10" Wide				12" Wide			15" Wide			18" Wide			
L	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	16 Ga.	18 Ga.	Approx. Wt.	Approx. Cu. Ft.
24"	WS-10-24-16	WS-10-24	8 lbs.	WS-12-24-16	WS-12-24	9 lbs.	WS-15-24-16	WS-15-24	11 lbs.	WS-18-24-16	WS-18-24	14 lbs.	3
30"	-	-	-	WS-12-30-16	WS-12-30	12 lbs.	-	-	-	-	-	-	4
36"	WS-10-36-16	WS-10-36	10 lbs.	WS-12-36-16	WS-12-36	12 lbs.	WS-15-36-16	WS-15-36	15 lbs.	WS-18-36-16	WS-18-36	21 lbs.	4
42"	-	-	-	WS-12-42-16	WS-12-42	14 lbs.	-	-	-	-	-	-	5
48"	WS-10-48-16	WS-10-48	12 lbs.	WS-12-48-16	WS-12-48	14 lbs.	WS-15-48-16	WS-15-48	18 lbs.	WS-18-48-16	WS-18-48	24 lbs.	5
60"	WS-10-60-16	WS-10-60	15 lbs.	WS-12-60-16	WS-12-60	17 lbs.	WS-15-60-16	WS-15-60	23 lbs.	WS-18-60-16	WS-18-60	28 lbs.	6
72"	WS-10-72-16	WS-10-72	17 lbs.	WS-12-72-16	WS-12-72	21 lbs.	WS-15-72-16	WS-15-72	28 lbs.	WS-18-72-16	WS-18-72	32 lbs.	7
84"	WS-10-84-16	WS-10-84	20 lbs.	WS-12-84-16	WS-12-84	25 lbs.	WS-15-84-16	WS-15-84	32 lbs.	WS-18-84-16	WS-18-84	36 lbs.	8
96"	WS-10-96-16	WS-10-96	23 lbs.	WS-12-96-16	WS-12-96	28 lbs.	WS-15-96-16	WS-15-96	36 lbs.	WS-18-96-16	WS-18-96	42 lbs.	10
108"	WS-10-108-16	WS-10-108	28 lbs.	WS-12-108-16	WS-12-108	32 lbs.	WS-15-108-16	WS-15-108	40 lbs.	WS-18-108-16	WS-18-108	48 lbs.	11
120"	WS-10-120-16	WS-10-120	32 lbs.	WS-12-120-16	WS-12-120	36 lbs.	WS-15-120-16	WS-15-120	44 lbs.	WS-18-120-16	WS-18-120	54 lbs.	12
132"	WS-10-132-16	WS-10-132	36 lbs.	WS-12-132-16	WS-12-132	42 lbs.	WS-15-132-16	WS-15-132	49 lbs.	WS-18-132-16	WS-18-132	60 lbs.	13
144"	WS-10-144-16	WS-10-144	40 lbs.	WS-12-144-16	WS-12-144	48 lbs.	WS-15-144-16	WS-15-144	55 lbs.	WS-18-144-16	WS-18-144	66 lbs.	14



Customer Service Available To Assist You **1-800-645-3166** 8:30 am - 8:00 pm E.S.T.

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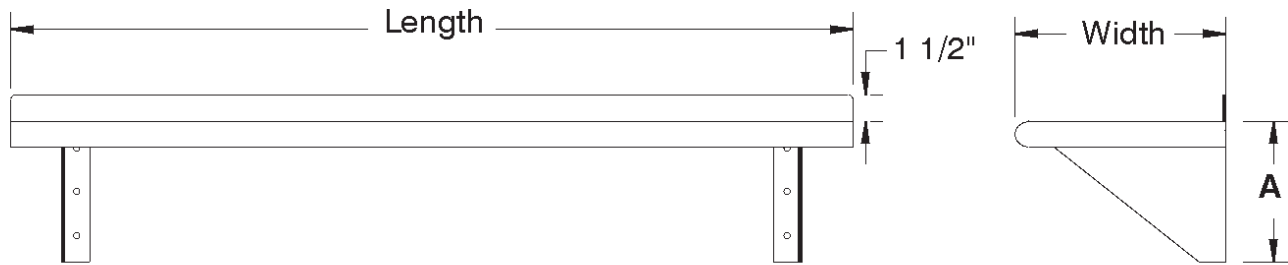
For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

DETAILS and SPECIFICATIONS

TOL ± .500"

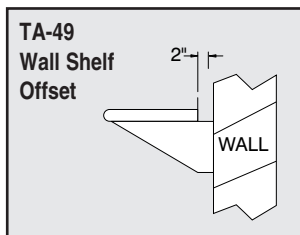
ALL DIMENSIONS ARE TYPICAL



Width	A
10"	8 1/2"
12"	10 1/2"
15"	13 1/2"
18"	16 1/2"

Wall Shelf Options

PRT-1	Printer Shelf
TA-22A	Square Edge Shelf
TA-26	Welded Shelf Brackets
TA-49	Wall Shelf 2" Offset
TA-71	Heat Lamp Provision
TA-77	Check Minder
TA-77A	Concealer for Heat Lamp (Requires TA-77)
TA-99A	14 Ga. S/S 304 Upgrade for Overshelves
TA-100A	Bullnose Edge On All 4 Sides of Shelf
TA-102	6" Cantilever Shelf Offset



Requirements for NSF Installations

1. Install at least 60" above floor.
2. Limit to dry storage.
3. Avoid contact with liquids.
4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.



Submittal Sheet

ITEM# 61 - MOBILE HEATED CABINET (1 EA REQ'D)

NIC H-137-UA-12D

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Cres Cor - Model H137UA12D

Cabinet, Mobile Heated, insulated, top-mount heater assembly, recessed push/pull handles, (12) sets of chrome plated wire universal angle slides on 4-1/2" centers adjustable 1-1/2" centers, solid state electronic control, LED digital display, field reversible dutch doors, (4) heavy duty 5" swivel casters (2) braked, anti-microbial latches, aluminum exterior & interior, NSF, cCSAus

ACCESSORIES

Mfr	Qty	Model	Spec
Cres Cor	1		Standard Warranty: 1 year labor with 3 year parts warranty
Cres Cor	1		120v/60/1-ph, 1.5 kW, 12.0 amp, 10 ft power cord, NEMA 5-15P, standard
Cres Cor	1		Right-hand door swing (top & bottom doors), standard
Cres Cor	1		Removable cord set, cord coil, pigtail

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1	Cord & Plug		5-15P	12.0	1.5			



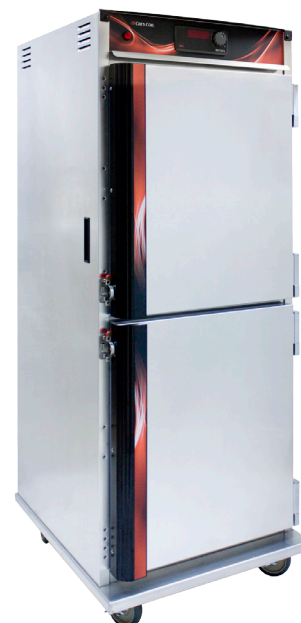
JOB: _____

ITEM NO: _____

INSULATED HOT CABINET MODEL H-137-UA-12D

FEATURES AND BENEFITS:

- Fully insulated hot cabinet keeps prepared foods at serving temperatures.
- Powerful, yet efficient, 1500 Watt heating system maintains the right temperature to properly hold products. Heats up to 200°F. (93°C.).
- Standard solid state electronic control with large, clear, easy-to-read and operate LED digital display to ensure holding at precise food temperature
- Internal frame in body and doors maintains structural rigidity.
- Body constructed of non-corrosive, Hi-Tensile aluminum for strength and ease of mobility. One piece extended base protects cabinet body.
- Smooth interior coved corners prevent food particle/grease buildup.
- Self-closing insulated Dutch doors prevent temperature loss; magnetic door gaskets for proper seal. Field reversible for flexibility.
- Standard with right hand hinging; left hand hinging available upon request.
- Full length anti-microbial extruded door handles for "easy open"; positive catch secures door during transport.
- Recessed push/pull handles on both sides prevents damage to walls; allows easy maneuvering.
- Twelve sets of chrome plated wire universal angles accommodate a large variety of pan sizes on adjustable 1-1/2" centers.
- Heavy duty 5" swivel casters, two with brakes. Provides mobility when fully loaded.



H-137-UA-12D



Standard solid state electronic control with large, clear, easy-to-read and operate LED digital display to ensure holding at precise food temperature

ACCESSORIES and OPTIONS

(Available at extra cost):

- ☐ Tempered Glass Door Windows
- ☐ Extra Universal Angles
- ☐ Change from standard chrome plated wire angles to angles designed for transporting
- ☐ Magnetic Door Latch
- ☐ Corner Bumpers
- ☐ Perimeter Bumper
- ☐ Key Lock Handle
- ☐ Push Handle
- ☐ Bail Handles
- ☐ Floor Lock (for use with 5" casters)
- ☐ Various Caster Options
- ☐ Removable Cord Set
- ☐ 208 or 240 Volt Service
- ☐ Upgrade to 2000 Watt power unit
- ☐ HACCP Documentation (Built-in USB port)

See page B-20 for accessory details

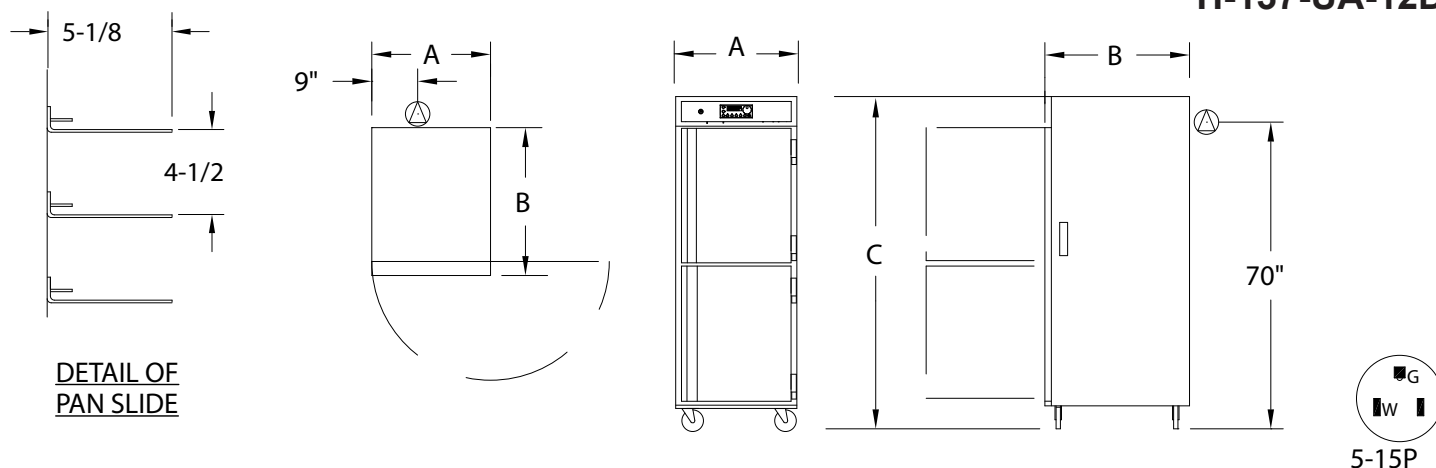


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 www.crescor.com



Gold indicates our Best Insulated Hot Cabinets with the best warranty in the industry.
 3-Year Parts / 1-Year Labor.

Page B-5
Aug., 2012

H-137-UA-12D

CRES COR MODEL NO.	PAN			DIM "A"	DIM "B"	DIM "C"	INSIDE DIMENSIONS				WEIGHT ACT.
	CAP/ANGLES	SIZE		WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH	HEIGHT		
H-137-UA-12D	12 SETS	SEE NOTE BELOW	IN	28-3/4	32-3/4	73	22	26-7/8	58	LBS	255
			MM	730	835	1855	560	685	1475	KG	116

NOTES: 1. Pan sizes 22" x 20" (560 x 510) Roast & Bake Pans, 10" x 20" (255 x 510) Roast & Bake Pans, 18" x 26" (460 x 660) Bun Pans, 14" x 18" (355 x 460) Service Trays, 12" x 20" (305 x 510) Steam Table Pans.

Refer to Pan Size Chart at end of section.

2. When ordering bumpers, add 2" to overall dimensions.



Gold indicates our Best Insulated Hot Cabinets with the best warranty in the industry.
3-Year Parts / 1-Year Labor.

CABINET:

- Body: .063 aluminum.
- Reinforcement: Internal framework of 18 ga. stainless steel.
- Insulation: Fiberglass, thermal conductivity (K factor) is .23 at 75°F. 1-1/2" in doors, top, base; 2" in sidewalls.
- Air tunnels: .063 aluminum; lift-out type, mounted on sides.
- Push/pull handles (2): 5" vertical; recessed.
- Interior coved corners.

BASE:

- One piece construction, .125 aluminum.
- Casters: 5" dia., swivel, modulus tires, 1-1/4 wide, load cap. 250 lbs. each, temp. range -45°/+180°F. Delrin bearings. Front casters equipped with brakes.

DUTCH DOORS:

- Field reversible.
- Inner and outer: .063 aluminum.
- Latches: Positive transport type with lock hasp.
- Extruded handles.
- Hinges: Self closing, stays open past 90°.
- Gaskets: Perimeter type, magnetic santoprene.
- Pan stop: Embossed.

PAN SLIDES:

- Wire angles (.306 dia.), nickel chrome plated steel, mounted on lift-off posts.
- Spaced on 4-1/2" centers; adjustable on 1-1/2" centers.



Scan QR code to view Spec Sheet, Operating Manual, Wiring Diagram or to call Customer Service.

If you need a QR reader visit your App Store on your Smartphone or Tablet.

CRES COR

5925 Heisley Road • Mentor, OH 44060-1833

Phone: 877/CRES COR • Fax: 440/350-7267

www.crescor.com

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HOT UNIT COMPONENTS:

- Thermostat: Solid state digital display control, room ambient to 200°F (93°C).
- Switch: ON-OFF push button type.
- Power cord: Permanent, 10 ft., 14/3 ga.
- Heater: 1470 Watts.
- Blower motor.
- Vent fan.
- Thermometer: Digital.

POWER REQUIREMENTS:

- 1500 Watts, 120 Volts, 60 Hz., single phase, 12 Amps., 15 Amp. service.

SHORT FORM SPECIFICATIONS

Cres Cor Insulated Hot Cabinet Model H-137-UA-12D. Solid state electronic controlled times and temperatures. Inner, outer and top liners of .063 aluminum; stainless steel internal frame. (12) sets wire universal angles for multiple pan sizes, adjustable spacing every 1-1/2". Field reversible Dutch doors, made from .063 aluminum. Fiberglass insulation in sides 2"; doors, top, base 1-1/2". Interior coved corners. 1500 Watt, 120 Volt power unit. One piece base, .125 aluminum. 5" swivel modulus casters, Delrin bearings. Load capacity 250 lbs. each. 3-Year Parts / 1-Year Labor warranty. Provide the following accessories: ____ . NSF, CSA-US, CSA-C listed.

In line with its policy to continually improve its products, CRES COR reserves the right to change materials and specifications without notice.

Litho in U.S.A.

Submittal Sheet**ITEM# 62 - REFRIGERATOR, REACH-IN (1 EA REQ'D)**

NIC FCGM181RQB

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Frigidaire Commercial - Model FCGM181RQB

Glass Door Single Section Refrigerator, 32" X 26 5/16" X 74 5/8", 18.4 cu. ft., 120/60/1, Heavy-Duty, NSF®-Certified, White Wire Shelves, NSF®-Certified For Food Service, NSF®-Certified Interior Lighting System, NSF®-Certified Stainless Steel Handle, NSF®-Certified Temperature Gauge, Sealed Cabinet Interior For Easy Cleaning, Stainless Steel Evaporator Cover.

Shipping Weight (Approx.) 263 Lbs.

FRIGIDAIRE
COMMERCIAL®



Glass Door Merchandiser

FCGM181RQ B

**18.4 Cu. Ft. Commercial,
Food Service Grade**



Signature Features

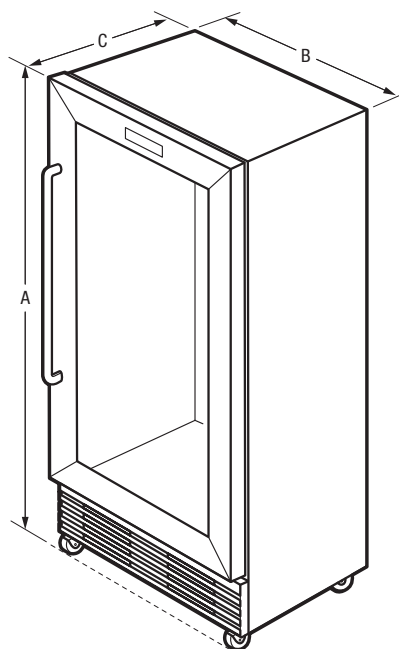
**Dual-Pane, Argon Gas-Filled
Glass Display Door**

**Dynamic Condenser Improves
Performance In Higher
Temperature Environments**

**Heavy-Duty Cooling System,
NSF®-Certified Performance**

Heavy-Duty, Locking Casters

**Temperature Range
32 to 44 Degrees Fahrenheit**



Product Dimensions

A - Height (Including Hinges & Casters)	74-5/8"
B - Width	32"
C - Depth (Including Door)	26-5/16"
Depth with Door Opened 90°	57"

More Easy-To-Use Features

**Heavy-Duty, NSF®-Certified
White Wire Shelves**

**NSF®-Certified For Food Service
Applications**

**NSF®-Certified Interior Lighting
System**

**NSF®-Certified Stainless Steel
Handle**

NSF®-Certified Temperature Gauge

**Sealed Cabinet Interior For Easy
Cleaning**

Stainless Steel Evaporator Cover

Accessories

Top Shelf - White	808500101
Deep Shelf - White	808497401
Trivet - White	297471401
Shelf Support Clips	297121900 (4 Required)

Specifications

Total Capacity (Cu. Ft.)	18.4
Power Supply	Right Bottom
Connection Location	Rear
Voltage Rating	115V
Shipping Weight (Approx.)	263 Lbs.

ENERGY STAR®



Available in:



Stainless/Black
(B)

*Stainless Steel and Glass Door/
Black Cabinet.*

FRIGIDAIRE DZILTH-NA-O-DITH-HLE

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FCGM181RQ 10/16

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Standard Restaurant Supply



High standards of quality at Electrolux Home Products, Inc. mean we are constantly working to improve our products. We reserve the right to change specifications or discontinue models without notice.

Submittal Sheet

ITEM# 63 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 64 - ICE MAKER, CUBE-STYLE (1 EA REQ'D)

NIC IYT0420A

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Manitowoc - Model IY0420A

Indigo NXT™ Series Ice Maker, cube-style, air-cooled, self-contained condenser, 22"W x 24-1/2"D x 21-1/2"H, production capacity up to 460 lb/24 hours at 70°/50° (375 lb AHRI certified at 90°/70°), DuraTech™ exterior, half-dice size cubes, R410A refrigerant, NSF, cULus, CE, ENERGY STAR®

ACCESSORIES

Mfr	Qty	Model	Spec
Manitowoc	1		(-161) 115v/60/1-ph, 11.3 amps
NIC	1	D420	*** PROVIDED BY OWNER - EXISTING EQUIPMENT *** Manitowoc - Model D420 Ice Bin, 22"W, 34"D x 50"H, with side-hinged front-opening door, side grips, 383 lbs. application capacity, AHRI certified 12.9 cu. ft., for top-mounted ice maker, Duratech exterior, NSF
Manitowoc	1		Legs, 6" adjustable stainless steel, standard

ELECTRICAL

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	115	60	1				11.3				

WATER

	HOT SIZE	HOT AFF	HOT GPH	COLD SIZE	COLD AFF	FILTERED SIZE	FILTERED AFF	CONDENSER INLET SIZE	CONDENSER OUTLET SIZE
1				3/8"					
2									

WASTE

	INDIRECT SIZE	DIRECT SIZE
1	1/2"	
2	3/4"	

PLUMBING 1 REMARKS

Drain for ice maker


INDIGO[®] NXT

iT0420 Ice Cube Machine

iT0420 Ice Cube Machine

Models

☐ IDT0420A ☐ IYT0420A ☐ IDT0420W ☐ IYT0420W


Indigo NXT Series iT0420
Ice Machine on D320 Bin

*Ice Machine and Bin sold separately

Designed for operators who know that ice is critical to their business, the Indigo NXT Series ice machine's preventative diagnostics continually monitor itself for reliable ice production. Improvements in cleanability and programmability make your ice machine easy to own and less expensive to operate.

- **New levels of Performance** – Showcasing an average of 41% lower energy consumption, 21% reduction in in potable water usage and a 34% reduction in condenser water usage. This translates into lower cost of ownership over the life of your machine.
- **easyTouch[®] Display** - New icon based touch screen takes the guess work out of owning and operating an ice machine.
- **Programmable Ice Production** – Now its super easy to program your ice machine to be off at certain times of the day to save money with fluctuating electrical rates. Also programmable by daily ice production volume and night time programming.
- **Easy to Clean Foodzone** – Hinge front door swing out for easy access. Removable water-trough, distribution tube, curtain, water probe and water pump for fast and efficient cleaning. Selected components are made with AlphaSan[®] antimicrobial.
- **Intelligent Diagnostics** – Provides 24 hour preventative maintenance and diagnostic feedback for trouble free operation.
- **Acoustical Ice Sensing Probe** – Unique patented technology allows for reliable operation in challenging water conditions and environments
- **DuraTech[®] Exterior** – Provides superior corrosion resistant above stainless steel. Innovative clear-coat resists fingerprints and dirt making it easier to keep clean.
- Available **LuminIce[®] II Virus and Bacteria Inhibitor** – Controls viruses, bacteria, mold, and yeast within the food zone to keep the ice machine clean longer. A new sanitation icon lets you know the operational status.
- **Active Sense** – insures consistent ice harvest in all environmental conditions. This software works in conjunction with the acoustical ice sensing probe improving reliability and performance

Ice Machine Electric

115/60/1 standard
(208-230/60/1 also available)

Minimum circuit ampacity:

Air-cooled: 11.3, 115v, 5.5 208-230v
Water-cooled: 10.6, 115v, 5.2 -208-230v

Maximum fuse size:

Air-cooled: 15 1ph
Water-cooled: 15 1ph

Specifications

BTU Per Hour:
3,800 (average),
and 6,000 (peak)

Refrigerant:

R410A CFS - Free
Lowers global warming
by 48% 51.1 kPa)

Operating Limits:

- Ambient Temperature Range:
40 to 110 F (4.4 to 43.3 C)
Water Temperature Range:
40 to 90 F (4.4 to 32.2 C)
- Potable Water Pressure:
Min. 20 psi (137.9 kPa)
Max. 80 psi (551.1 kPa)
- Condenser Water Pressure:
Min. 20 psi (137.9 kPa)
Max. 276 psi (551.1 kPa)



Ice Shape



Half Dice
 $\frac{3}{8}$ " x $1\frac{1}{8}$ " x $\frac{7}{8}$ "
(.95 x 2.86 x 2.22 cm)



Dice
 $\frac{7}{8}$ " x $\frac{7}{8}$ " x $\frac{7}{8}$ "
(2.22 x 2.22 x 2.22 cm)



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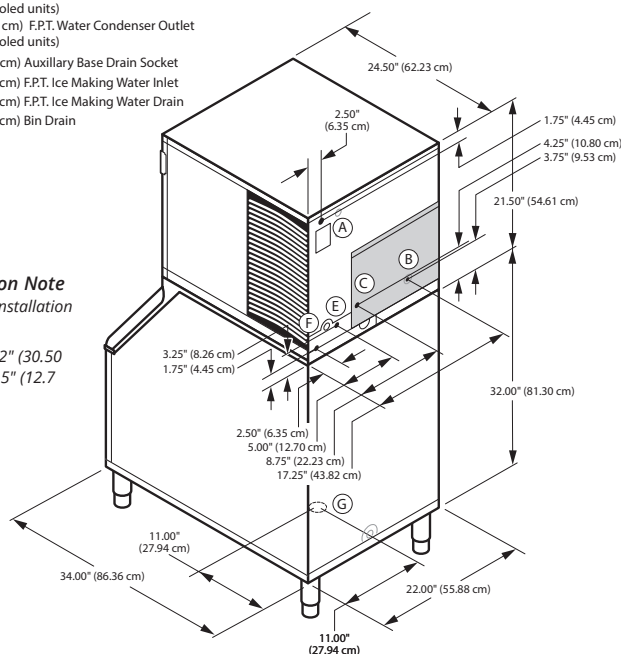




Indigo® NXT™ iT0420 Ice Cube Machine

iT0420 on D-320
Storage Bin

- (A) Electrical Entrance (2) Options
- (B) 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
- (C) 1/2" (1.27 cm) F.P.T. Water Condenser Outlet (water-cooled units)
- (D) 1/2" (1.27 cm) Auxillary Base Drain Socket
- (E) 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
- (F) 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
- (G) 3/4" (1.91 cm) Bin Drain



Installation Note
Minimum installation
clearance:

Top/side: 12" (30.50
cm) Back is 5" (12.7
cm)





Space-Saving Design



	iT0420 D-320	iT0420 D-420
Height	59.50" 151.13 cm	71.50" 181.61 cm
Width	22.00" 55.88 cm	22.00" 55.88 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	264 lbs. 118 kgs.	383 lbs. 174 kgs.

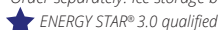
Height includes adjustable bin legs 6.00" to 8.00", (15.24 to 20.32 cm) set at 6.00" (15.24 cm).
Bin capacity is based on 90% of the volume x 33 lbs/ft³ average density of ice.

Specifications

	Model	Ice Shape	Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°F Air/70°F	Potable Water Usage/100 lbs. 45.4 kgs. of Ice
			70°F Air/ 50°F Water	90°F Air/ 70°F Water	1 Ph	
AIR COOLED	IDT0420A	dice 	470 lbs.	375 lbs.	5.6 ★	19 Gal.
			213 kgs	170 kgs		72 L
	IYT0420A	half-dice 	460 lbs.	375 lbs.	5.4 ★	19 Gal.
			209 kgs	170 kgs		72 L
WATER COOLED	IDT0420W	dice 	454 lbs.	400 lbs.	4.28	19 Gal.
			206 kgs	181 kgs		72 L
	IYT0420W	half-dice 	490 lbs.	425 lbs.	4.24	19 Gal.
			222 kgs.	193 kgs		72 L

* Water-cooled Condenser Water Usage / 100 lbs. /45.4 kgs. Of Ice: 140 gal/ 530 L.
 *Water-cooled models are excluded from ENERGY STAR qualification.

Order separately: Ice storage bin for all units



Accessories

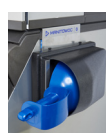
LuminIce® II
Virus and Bacteria
Inhibitor

controls viruses and bacteria in the ice machine.



External Scoop holder

protect the ice scoop
with the NSF approved
versatile scoop holder.



**Arctic Pure®
Water Filters**

reduces sediment
and chlorine odors
for better tasting ice.



iAuCS®

schedules and performs routine ice machine cleaning automatically.



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www.manitowocice.com
6468A 06/2020





Ice Storage Bins

Ice Storage Bins

Model

☐ D320 ☐ D400 ☐ D420 ☐ D570 ☐ D970

D Bins

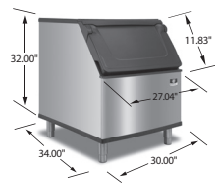
.75" (1.90 cm) Bin drain



D320
210 lbs. (95 kgs)



D570
430 lbs. (195 kgs)



D400
290 lbs. (132 kgs)



D970
710 lbs. (323 kgs)



D420
310 lbs. (141 kgs)



Ergonomic NSF approved
sanitary ice scoop included

D Bin Features

New Sanitary Scoop Ergonomic NSF approved sanitary ice scoop included with each bin. Built-in knuckle and thumb guard. Unique molded retaining lip allows maximum scooping every time. Per scoop capacity approximately 5.3/ lbs (2.4 kg)

Scoop Holder options New built-in scoop holder, keeps the ice scoop handle above the ice, or purchases the optional NSF approved External Scoop Holder Kit # K00461.

New Door design Clever built in side grips allow you to lift the bin door from anywhere you are standing (left, right or center) even when you have just one hand free.

Foamed Insulated Door

Insulates the ice bin, reduces sweat on the door, helps keep ice lasting longer.

Stay up door Unique cammed bin door self-latch keeps the door in the open position and keeps the employee safe when scooping ice.

Ergonomic Door design Door is angled 53 degrees to allow for easier access to the ice in the bin especially when scooping from the bottom.

Duratech Metal Finish Manitowoc exterior material has better corrosion resistance than stainless steel, is smudge resistant and easy to keep clean.

New Bin liner Polyurethane Artic Blue bin liner accentuates the crisp clear ice from a Manitowoc Ice Machine.

Warranty

Bin & Accessories: 3 Year Parts & Labor.

D Bin Model	D-Bin Capacities				D-Bin Dimensions					
	*Application Capacity		**2018 AHRI Capacity		Height		Width		Depth	
	lbs.	kgs	Cu. ft	Cu. M	in.	cm	in.	cm	in.	cm
D320	264	119.90	8.9	0.25	38	96.5	22	55.9	34	86.4
D420	383	173.79	12.9	0.37	50	127	22	55.9	34	86.4
D400	365	165.70	12.3	0.35	38	96.5	30	76.2	34	86.4
D570	532	241.14	17.9	0.51	50	127	30	76.2	34	86.4
D970	882	400.11	29.7	0.84	50	127	48	121.9	34	86.4

*Application Capacity is based on 90% of the volume x 33 lbs/ft³ average density of ice. Ice must be managed
 ***2018 AHRI certified measurement for bin capacity

Above bin heights include leg height of 6" / 15.24 cm
 All bins include sanitary plastic scoop and one set of adjustable (6 in to 7.75 in / 15.24 to 20.32 cm) chrome legs
 External Scoop holder order separately Kit # K00461
 Metal Scoop order separately Kit # K00463



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www.manitowocice.com
6453C
01/20





D Bins

Indigo Ice Machines Series												
Machine			iT420	iT620	iF0300, iT0300	iT450	iT0500 &iF0500N	iF0600N, iF0600C, iT0750	iF0900N, iT0900, iF0900C	iT1200, iT1200C	iF1400C, iF1800C	iT1500, iT1900
Machine Capacity @90/70 F			375	465	240	378	440	555, 530	710, 714	950, 1000	1200 1470 1600	1360 1455
Bins	Bin Cap	Width	22"	22"	30"	30"	30"	30"	30"	30"	30"	48"
D320	264	22"	*	*								
D420	383	22"	*	*								
D400	365	30"	K00472	K00472	*	*	*	*	NR	NR	NR	
D570	532	30"	K00472	K00472	*	*	*	*	*	*	NR	
D970	882	48"	NR	NR	NR	K00470	K00470	K00470	K00470	K00470	K00471 + K00470	*

Manitowoc Flaker and Nugget Machines											
		Machine	RNF320	RFF320	RNF620	RFF0620	RNF1020	RFF1220C	RNF1100	RFF1300 & RNF2000C	RFF2200C
Machine cap			251	286	451	540	825	958	825	874	1702
Bins	Bin cap	Width	22"	22"	22"	22"	22"	22"	30"	30"	36.7"
D320	264	22"	*	*	NR	NR	NR	NR			
D420	383	22"	*	*	*	*	NR	NR			
D400	365	30"	K00472	K00472	K00472	K00472	NR	NR	NR	NR	
D570	532	30"	NR	K00472	K00472	K00472	NR	NR	*	*	
D970	882	48"	NR	NR	K00473	K00473	K00473 if 2 used.	K00473 if 2 used.	K00470	K00470	K00470

An optional adapter is required when putting a narrower ice machine on a wider bin.

* No adapter is needed

NR= Not Recommend. Bin too small or too large for application.

Putting a wider machine on narrower bin is not an option.

Machines side by side must be water cooled or remote.

Application Bin Capacity shown in lbs using the AHRI rating based on 90% of total volume x 33 lbs/ft³ average density of ice.

Machine capacity shown in lbs/24hrs using the AHRI rating base at 90F ambient, 70F water temperature

Ice Storage Bins

Available Accessories

See price book for replacement: scoops, legs, specialty legs and casters

K00146 Convenient Ice Bagger

Includes bagger, D-bin adapter, and 250 bags and ties (Not for D320 or D400) Order K00068 replacement bags



K00461 External Scoop Holder

NSF approved. Can be mounted on the left or right side of bins, horizontally or vertically or on a wall.



K00463 Metal Scoop

Indestructible NFS approved aluminum alloy with sanitary knuckle and thumb guard. Works with K00461 external scoop holder or hangs inside the D-Bin series. Limited life time guarantee.



K00462

Secure Fastening Kit

Securely fast the Indigo® ice machine head to the pre-drilled inserts on the back of the D-bin series. Stainless steel flanged feet attach to bin and can be screwed to the floor



Welbilt reserves the right to make changes to the design or specifications without prior notice.

Submittal Sheet

ITEM# 65 - WATER FILTRATION SYSTEM, PARTS & ACCESSORIES (1 EA REQ'D)

NIC AR-PRE

*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***

Manitowoc - Model AR-PRE

Arctic Pure® Pre-Filter Assembly, 5 micron filtration includes head, shroud, hardware, mounting assembly, & (1) filter cartridge, (NOT stand-alone; should be used in conjunction with primary water filter assembly)

ACCESSORIES

Mfr	Qty	Model	Spec
NIC	1	AR-10000	<p>*** PROVIDED BY OWNER - EXISTING EQUIPMENT ***</p> <p>Manitowoc -Model AR-10000 Arctic Pure® Primary Water Filter Assembly, includes head, shroud, hardware, mounting assembly, & (1) filter cartridge, 14,000 gallon capacity, 0-600 lbs./ice per day</p>



Arctic Pure®

Ice Machine - Water Filtration

Project _____
 Item _____
 Quantity _____
 CSI Section 11400
 Approved _____
 Date _____

Models

☐ AR-PRE

☐ AR-10000

☐ AR-20000

☐ AR-40000


AR-PRE



AR-10000



AR-20000



AR-40000

- Pre-filter, dirt and rust sediment reduction

- 1 micron particle reduction
- 14,000 gal. capacity
- 20 grams scale inhibitor
- Lbs. of ice per day 0-600

- 1 micron particle reduction
- 20,000 gal. capacity
- 40 grams scale inhibitor
- Lbs. of ice per day 601-1000

- 1 micron particle reduction
- 40,000 gal. capacity
- 80 grams scale inhibitor
- Lbs. of ice per day 1001-2,500

Standard Features

Over 60% of ice machine maintenance calls are water-related! **Arctic Pure®** water filters are designed exclusively for ice machine applications and will reduce these calls.

Built-in scale inhibitor.

- Scale inhibitor is designed into the filters to reduce scale build-up even under the hardest water conditions.

Reduces chlorine taste and odor.

- All filtration and scale reduction material is NSF and/or FDA compliant and is engineered to reduce chlorine taste and odor. Ice looks and tastes better.

Graded density carbon block filter.

- Provides superior dirt holding capacity and fine sediment reduction.

Sanitary quick change housing.

- Design minimizes contamination of filter media during filter cartridge change-out. All filters are provided with automatic shut-off and pressure relief valves.

Warranty

3-Year parts and labor warranty on head, shroud, hardware, and mounting assembly (water filter cartridge not included).



AR-10000
 AR-20000
 AR-40000

Chlorine reduction taste and odor reduction Class I.

Visit www.nsf.org for listed product claims.

Ice Machine - Water Filtration

Arctic Pure®



Dimensions

Model	Dimensions						Mtg. Holes		Weight	
	Height		Width		Depth		Center to Center			
	inches	cm	inches	cm	inches	cm	inches	cm	lbs.	kgs.
AR-Pre	17.09	43.41	6.72	17.10	4.00	10.16	1.50	3.81	4	1.81
AR-10000	17.09	43.41	5.72	14.50	4.00	10.16	1.50	3.81	5	1.81
AR-20000	21.34	54.2	5.72	14.50	4.00	10.16	1.50	3.81	5	2.27
AR-40000	21.23	54.1	15.88	40	5.00	12.7	Top 11.50	29.2	12	5.44
							Bottom 9.75	24.8		

Specifications

Maximum Operating Pressure:

25–125 psi (1.7–8.6 bar)

Maximum Operating Temperature:

35°–100°F (1.7°–38°C)

Flow Rate: AR-100000 .75 gpm (2.84 LPM)

AR-20000 0.75 gpm (2.84 LPM)

AR-40000 1.5 gpm (5.68 LPM)

Cartridge Housing Material:

Talc Filled Polypropylene

Primary Filter

1 micron particle reduction. Filter media is graded density carbon block containing scale inhibitor, which holds dissolved minerals in suspension. (AR-10000/20 grams scale inhibitor, AR-20000/40 grams scale inhibitor, AR-40000/80 grams scale inhibitor – 40 grams per cartridge).

Inlet/Outlet Fittings:

- 3/8" John Guest

Optional Pre-Filter:

An optional pre-filter is recommended for ice machine installations in areas with high particulate matter (dirty water). The pre-filter extends the filtration efficiency and working life of the primary filter cartridge where this condition exists. The Manitowoc Ice pre-filter is a cost-efficient solution to the particulate matter (dirty water) problem because pre-filter replacements are more economical than a primary filter cartridge.

Replacement Cartridges:

Pre-FilterK-00337

Primary Filter AR-10000K-00338
AR-20000/40000K-00339

To insure maximum filtration efficiency, replace the primary filter cartridge every 6 months. A filter gauge will indicate if replacement is necessary prior to six months usage (below 20 psig).

Important Notice:

Read this performance sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that you have your water supply tested to determine your actual water treatment needs before purchasing a water treatment unit.

Warning:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfections before or after the unit.

Caution:

The filter must be protected from freezing. Failure to do so may result in cracking of the filter housing and water leakage.

Note:

Before using **Arctic Pure** on non-Manitowoc Ice machines consult the ice machine manufacturer for water supply usage requirements.

Ice Model	Model			
	AR-PRE	AR-10000	AR-20000	AR-40000
U65	•	•		
U80	•	•		
UF-140	•	•		
UF-190	•	•		
UF-240	•	•		
UF-310	•	•		
i-300	•	•		
iT-420	•	•		
iT-620	•	•		
iT-450	•	•		
iT-500	•	•		
iT-600	•	•		
iT-750	•	•		
iT-900	•		•	
iT-1200	•		•	
iT-1500	•			•
iT-1900	•			•
iF-1400C	•			•
iF-1800C	•			•
iF-2100C	•			•
IBF-620C	•	•		
IBF-820C	•		•	
IBT-1020C	•		•	
CNF0201	•	•		
CNF0202	•	•		
UNF-0200	•	•		
UNF-0300	•	•		
RNF-0320	•	•		
RNF-0620	•		•	
RNF-1100	•		•	
RNF-1020	•		•	
UFF-0200	•	•		
RFF-0320	•	•		
UFF-0350	•	•		
RFF-0620	•		•	
RFF-1300	•			•
RFF-1220	•		•	
RFF-2500	•		•	
RFF-2200C	•			•

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Arctic Pure®

Ice Machine - Water Filtration

Project _____
 Item _____
 Quantity _____
 CSI Section 11400
 Approved _____
 Date _____

Models

☐ AR-PRE ☐ AR-10000 ☐ AR-20000 ☐ AR-40000



AR-PRE



AR-10000



AR-20000



AR-40000

- | | | | |
|--|---|---|---|
| <ul style="list-style-type: none"> • Pre-filter, dirt and rust sediment reduction | <ul style="list-style-type: none"> • 1 micron particle reduction • 14,000 gal. capacity • 20 grams scale inhibitor | <ul style="list-style-type: none"> • 1 micron particle reduction • 20,000 gal. capacity • 40 grams scale inhibitor | <ul style="list-style-type: none"> • 1 micron particle reduction • 40,000 gal. capacity • 80 grams scale inhibitor |
| | Lbs. of ice per day 0-600 | Lbs. of ice per day 601-1000 | Lbs. of ice per day 1001-2,500 |

Standard Features

Over 60% of ice machine maintenance calls are water-related! **Arctic Pure®** water filters are designed exclusively for ice machine applications and will reduce these calls.

Built-in scale inhibitor.

- Scale inhibitor is designed into the filters to reduce scale build-up even under the hardest water conditions.

Reduces chlorine taste and odor.

- All filtration and scale reduction material is NSF and/or FDA compliant and is engineered to reduce chlorine taste and odor. Ice looks and tastes better.

Graded density carbon block filter.

- Provides superior dirt holding capacity and fine sediment reduction.

Sanitary quick change housing.

- Design minimizes contamination of filter media during filter cartridge change-out. All filters are provided with automatic shut-off and pressure relief valves.

Warranty

3-Year parts and labor warranty on head, shroud, hardware, and mounting assembly (water filter cartridge not included).



AR-10000
 AR-20000
 AR-40000

Chlorine reduction taste and odor reduction Class I.

Visit www.nsf.org for listed product claims.

Ice Machine - Water Filtration

Arctic Pure®



Dimensions

Model	Dimensions						Mtg. Holes		Weight	
	Height		Width		Depth		Center to Center			
	inches	cm	inches	cm	inches	cm	inches	cm	lbs.	kgs.
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AR-10000	17.09	43.41	5.72	14.50	4.00	10.16	1.50	3.81	5	1.81
AR-20000	21.34	54.2	5.72	14.50	4.00	10.16	1.50	3.81	5	2.27
AR-40000	21.23	54.1	15.88	40	5.00	12.7	Top 11.50	29.2	12	5.44
							Bottom 9.75	24.8		

Specifications

Maximum Operating Pressure:

25–125 psi (1.7–8.6 bar)

Maximum Operating Temperature:

35°–100°F (1.7°–38°C)

Flow Rate: AR-100000 .75 gpm (2.84 LPM)
AR-20000 0.75 gpm (2.84 LPM)
AR-40000 1.5 gpm (5.68 LPM)

Cartridge Housing Material:

Talc Filled Polypropylene

Primary Filter

1 micron particle reduction. Filter media is graded density carbon block containing scale inhibitor, which holds dissolved minerals in suspension. (AR-10000/20 grams scale inhibitor, AR-20000/40 grams scale inhibitor, AR-40000/80 grams scale inhibitor – 40 grams per cartridge).

Inlet/Outlet Fittings:

- 3/8" John Guess

Optional Pre-Filter:

An optional pre-filter is recommended for ice machine installations in areas with high particulate matter (dirty water). The pre-filter extends the filtration efficiency and working life of the primary filter cartridge where this condition exists. The Manitowoc Ice pre-filter is a cost-efficient solution to the particulate matter (dirty water) problem because pre-filter replacements are more economical than a primary filter cartridge.

Replacement Cartridges:

Pre-FilterK-00337
Primary Filter AR-10000K-00338
AR-20000/40000K-00339

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Important Notice:

Read this performance sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that you have your water supply tested to determine your actual water treatment needs before purchasing a water treatment unit.

Warning:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfections before or after the unit.

Caution:

The filter must be protected from freezing. Failure to do so may result in cracking of the filter housing and water leakage.

Note:

Before using **Arctic Pure** on non-Manitowoc Ice machines consult the ice machine manufacturer for water supply usage requirements.

Ice Model	Model			
	AR-PRE	AR-10000	AR-20000	AR-40000
U65	•	•		
U80	•	•		
UF-140	•	•		
UF-190	•	•		
UF-240	•	•		
UF-310	•	•		
i-300	•	•		
iT-420	•	•		
iT-620	•	•		
iT-450	•	•		
iT-500	•	•		
iT-600	•	•		
iT-750	•	•		
iT-900	•		•	
iT-1200	•		•	
iT-1500	•			•
iT-1900	•			•
iF-1400C	•			•
iF-1800C	•			•
iF-2100C	•			•
IBF-620C	•	•		
IBF-820C	•		•	
IBT-1020C	•		•	
CNF0201	•	•		
CNF0202	•	•		
UNF-0200	•	•		
UNF-0300	•	•		
RNF-0320	•	•		
RNF-0620	•		•	
RNF-1100	•		•	
RNF-1020	•		•	
UFF-0200	•	•		
RFF-0320	•	•		
UFF-0350	•	•		
RFF-0620	•		•	
RFF-1300	•			•
RFF-1220	•		•	
RFF-2500	•		•	
RFF-2200C	•			•

Welbilt reserves the right to make changes to the design or specifications without prior notice.

Submittal Sheet**ITEM# 66 - WIRE SHELVING (16 EA REQ'D)**

Thunder Group CMSV1836

Wire Shelving, 18" x 36", chrome plated finish, NSF (2 each minimum order)

ACCESSORIES

Mfr	Qty	Model	Spec
Thunder Group	1		5 year warranty, standard
Thunder Group	16	CMPC072	Shelving Post, 74"H, with leveling foot, heavy duty, chrome finish, NSF (4 each minimum order)

SHELVING

**HEAVY DUTY COMMERCIAL WIRE SHELVING - CHROME PLATED**

Chrome plated wire shelving. Heavy duty wire construction enables each shelf to hold up to 850 lbs. Adjustable legs for leveling on uneven surfaces.

Under 48" in length, maximum capacity is 850 lbs per shelf on leveling feet.

Over 48" in length, maximum capacity is 600 lbs per shelf on leveling feet.

Each shelf maximum capacity is 150 lbs per shelf on casters.



5 Year Warranty

Sleeve Clips



Chrome Shelves



Posts

Leveling Foot
Included

ITEM	DESCRIPTION	U/M	WEIGHT GROSS lbs	INNER PACK	MASTER PACK	CU.FT.
Shelf w/ Sleeve Clips						
CMSV1424	14" x 24" with 4 Set Sleeve Clips	EACH	11.68	2	2	0.80
CMSV1430	14" x 30" with 4 Set Sleeve Clips	EACH	14.11	2	2	0.99
CMSV1436	14" x 36" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.18
CMSV1448	14" x 48" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.57
CMSV1460	14" x 60" with 4 Set Sleeve Clips	EACH	26.68	2	2	1.96
CMSV1472	14" x 72" with 4 Set Sleeve Clips	EACH	31.31	2	2	2.34
CMSV1824	18" x 24" with 4 Set Sleeve Clips	EACH	13.23	2	2	1.01
CMSV1830	18" x 30" with 4 Set Sleeve Clips	EACH	16.09	2	2	1.25
CMSV1836	18" x 36" with 4 Set Sleeve Clips	EACH	18.74	2	2	1.50
CMSV1842	18" x 42" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.75
CMSV1848	18" x 48" with 4 Set Sleeve Clips	EACH	24.25	2	2	1.99
CMSV1854	18" x 54" with 4 Set Sleeve Clips	EACH	26.90	2	2	2.24
CMSV1860	18" x 60" with 4 Set Sleeve Clips	EACH	29.76	2	2	2.49
CMSV1872	18" x 72" with 4 Set Sleeve Clips	EACH	34.83	2	2	2.98
CMSV2124	21" x 24" with 4 Set Sleeve Clips	EACH	14.44	2	2	1.18
CMSV2130	21" x 30" with 4 Set Sleeve Clips	EACH	17.53	2	2	1.46
CMSV2136	21" x 36" with 4 Set Sleeve Clips	EACH	20.39	2	2	1.74
CMSV2142	21" x 42" with 4 Set Sleeve Clips	EACH	23.26	2	2	2.03
CMSV2148	21" x 48" with 4 Set Sleeve Clips	EACH	26.12	2	2	2.21
CMSV2154	21" x 54" with 4 Set Sleeve Clips	EACH	28.99	2	2	2.61
CMSV2160	21" x 60" with 4 Set Sleeve Clips	EACH	32.08	2	2	2.89
CMSV2172	21" x 72" with 4 Set Sleeve Clips	EACH	37.59	2	2	3.46
CMSV2424	24" x 24" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.33
CMSV2430	24" x 30" with 4 Set Sleeve Clips	EACH	19.84	2	2	1.65
CMSV2436	24" x 36" with 4 Set Sleeve Clips	EACH	22.93	2	2	1.98
CMSV2442	24" x 42" with 4 Set Sleeve Clips	EACH	26.23	2	2	2.31
CMSV2448	24" x 48" with 4 Set Sleeve Clips	EACH	29.54	2	2	2.63
CMSV2454	24" x 54" with 4 Set Sleeve Clips	EACH	32.85	2	2	2.97
CMSV2460	24" x 60" with 4 Set Sleeve Clips	EACH	39.24	2	2	3.29
CMSV2472	24" x 72" with 4 Set Sleeve Clips	EACH	46.08	2	2	3.94
Post w/ Leveling Foot						
CMPC008	8" Post with Leveling Foot	EACH	1.98	4	4	0.04
CMPC034	34" Post with Leveling Foot	EACH	6.17	4	4	0.13
CMPC063	63" Post with Leveling Foot	EACH	11.00	4	4	0.24
CMPC072	74" Post with Leveling Foot	EACH	13.18	4	4	0.28
CMPC086	86" Post with Leveling Foot	EACH	15.65	4	4	0.33

* Sold by Master Pack Only.

DZILTH-NA-O-DITH-HLE
300 COMMUNITY SCHOOL

California 866.827.4664 | Texas 866.690.0111 | New Jersey 732.777.1977 | Illinois 855.395.5560 | Florida 954.724.5214

Submittal Sheet**ITEM# 66.1 - WIRE SHELVING (28 EA REQ'D)**

Thunder Group CMSV2454

Wire Shelving, 24" x 54", chrome plated finish, NSF (2 each minimum order)

ACCESSORIES

Mfr	Qty	Model	Spec
Thunder Group	1		5 year warranty, standard
Thunder Group	28	CMPC072	Shelving Post, 74"H, with leveling foot, heavy duty, chrome finish, NSF (4 each minimum order)

SHELVING

**HEAVY DUTY COMMERCIAL WIRE SHELVING - CHROME PLATED**

Chrome plated wire shelving. Heavy duty wire construction enables each shelf to hold up to 850 lbs. Adjustable legs for leveling on uneven surfaces.

Under 48" in length, maximum capacity is 850 lbs per shelf on leveling feet.

Over 48" in length, maximum capacity is 600 lbs per shelf on leveling feet.

Each shelf maximum capacity is 150 lbs per shelf on casters.



5 Year Warranty

Sleeve Clips



Chrome Shelves



Posts

Leveling Foot
Included

ITEM	DESCRIPTION	U/M	WEIGHT GROSS lbs	INNER PACK	MASTER PACK	CU.FT.
Shelf w/ Sleeve Clips						
CMSV1424	14" x 24" with 4 Set Sleeve Clips	EACH	11.68	2	2	0.80
CMSV1430	14" x 30" with 4 Set Sleeve Clips	EACH	14.11	2	2	0.99
CMSV1436	14" x 36" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.18
CMSV1448	14" x 48" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.57
CMSV1460	14" x 60" with 4 Set Sleeve Clips	EACH	26.68	2	2	1.96
CMSV1472	14" x 72" with 4 Set Sleeve Clips	EACH	31.31	2	2	2.34
CMSV1824	18" x 24" with 4 Set Sleeve Clips	EACH	13.23	2	2	1.01
CMSV1830	18" x 30" with 4 Set Sleeve Clips	EACH	16.09	2	2	1.25
CMSV1836	18" x 36" with 4 Set Sleeve Clips	EACH	18.74	2	2	1.50
CMSV1842	18" x 42" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.75
CMSV1848	18" x 48" with 4 Set Sleeve Clips	EACH	24.25	2	2	1.99
CMSV1854	18" x 54" with 4 Set Sleeve Clips	EACH	26.90	2	2	2.24
CMSV1860	18" x 60" with 4 Set Sleeve Clips	EACH	29.76	2	2	2.49
CMSV1872	18" x 72" with 4 Set Sleeve Clips	EACH	34.83	2	2	2.98
CMSV2124	21" x 24" with 4 Set Sleeve Clips	EACH	14.44	2	2	1.18
CMSV2130	21" x 30" with 4 Set Sleeve Clips	EACH	17.53	2	2	1.46
CMSV2136	21" x 36" with 4 Set Sleeve Clips	EACH	20.39	2	2	1.74
CMSV2142	21" x 42" with 4 Set Sleeve Clips	EACH	23.26	2	2	2.03
CMSV2148	21" x 48" with 4 Set Sleeve Clips	EACH	26.12	2	2	2.21
CMSV2154	21" x 54" with 4 Set Sleeve Clips	EACH	28.99	2	2	2.61
CMSV2160	21" x 60" with 4 Set Sleeve Clips	EACH	32.08	2	2	2.89
CMSV2172	21" x 72" with 4 Set Sleeve Clips	EACH	37.59	2	2	3.46
CMSV2424	24" x 24" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.33
CMSV2430	24" x 30" with 4 Set Sleeve Clips	EACH	19.84	2	2	1.65
CMSV2436	24" x 36" with 4 Set Sleeve Clips	EACH	22.93	2	2	1.98
CMSV2442	24" x 42" with 4 Set Sleeve Clips	EACH	26.23	2	2	2.31
CMSV2448	24" x 48" with 4 Set Sleeve Clips	EACH	29.54	2	2	2.63
CMSV2454	24" x 54" with 4 Set Sleeve Clips	EACH	32.85	2	2	2.97
CMSV2460	24" x 60" with 4 Set Sleeve Clips	EACH	39.24	2	2	3.29
CMSV2472	24" x 72" with 4 Set Sleeve Clips	EACH	46.08	2	2	3.94
Post w/ Leveling Foot						
CMPC008	8" Post with Leveling Foot	EACH	1.98	4	4	0.04
CMPC034	34" Post with Leveling Foot	EACH	6.17	4	4	0.13
CMPC063	63" Post with Leveling Foot	EACH	11.00	4	4	0.24
CMPC072	74" Post with Leveling Foot	EACH	13.18	4	4	0.28
CMPC086	86" Post with Leveling Foot	EACH	15.65	4	4	0.33

* Sold by Master Pack Only.

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300 COMMUNITY SCHOOL

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Submittal Sheet

ITEM# 67 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 68 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 69 - MOP SINK CABINET (1 EA REQ'D)

Advance Tabco 9-OPC-84DL-X

Cabinet with Mop Sink, 50-3/8"W x 22-3/4"D x 84"H O.A., double hinged doors, left side mop sink 20"W x 16"D front to back x 12" deep (drain included), storage for mop bucket to roll in on right, (2) mop holders, (4) fixed intermediate shelves (3 on right, 1 on left above sink), slotted side panels for ventilation, 16/304 series stainless steel sink bowl, 18/304 series sink bowl apron, 18/430 series stainless steel cabinet, NSF

ACCESSORIES

Mfr	Qty	Model	Spec
Advance Tabco	1	K-240-X	Service Sink Faucet, wall mount, 8" OC, 6-1/2" spout, with hose thread & pail hook, vacuum breaker spout, wall braced, chrome-plated brass

WATER

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

WASTE

	INDIRECT SIZE	DIRECT SIZE
1		2"
2		

PLUMBING 2 REMARKS

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



STAINLESS STEEL

DOUBLE WIDTH MOP SINK CABINET



Item #: _____ Qty #: _____

Model #: _____

Project #: _____

Cabinet Includes
Floor Mop Sink

FEATURES:

Double Width Cabinet

16" x 20" x 12" Sink Bowl - (drain included)

Opening for mop bucket to roll in

Ventilation Slots

Hinged Double Doors

4 Fixed Intermediate Shelves (3 in storage side, 1 above sink)

2 Mop Holders (1 on either side - above mop sink)

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces
and to a satin finish.

MATERIAL:

16 gauge type "304" Series Sink Bowl

18 gauge type "304" Series Sink Bowl Apron

9-OPC-84DR OR 9-OPC-84DL - 18 gauge type "430" Series
Stainless Steel Cabinet**9-OPC-84DR-300 OR 9-OPC-84DL-300** - 18 gauge type
"300" Series Stainless Steel Cabinet

OPTIONS:

SU-27 Door Lock**TA-36D** Repair Kit For Door Hinge (Per Hinge)**K-94-SHELF** Fixed Mid-shelf for 84" High Cabinets**K-94-BACK** Add 430 Stainless Steel Back Panel**K-94-BACK-300** Add 300 Stainless Steel Back Panel**K-472** Add 8" O.C. Faucet Holes for Service Faucet
(Must provide faucet hole height location)**K-240** Service Faucet

9-OPC-84DR Shown



Model #	MOP SINK LOCATION
18 Ga. Type 430 Stainless Steel Cabinet	
9-OPC-84DR	Right Side
9-OPC-84DL	Left Side
18 Ga. Type 300 Stainless Steel Cabinet	
9-OPC-84DR-300	Right Side
9-OPC-84DL-300	Left Side

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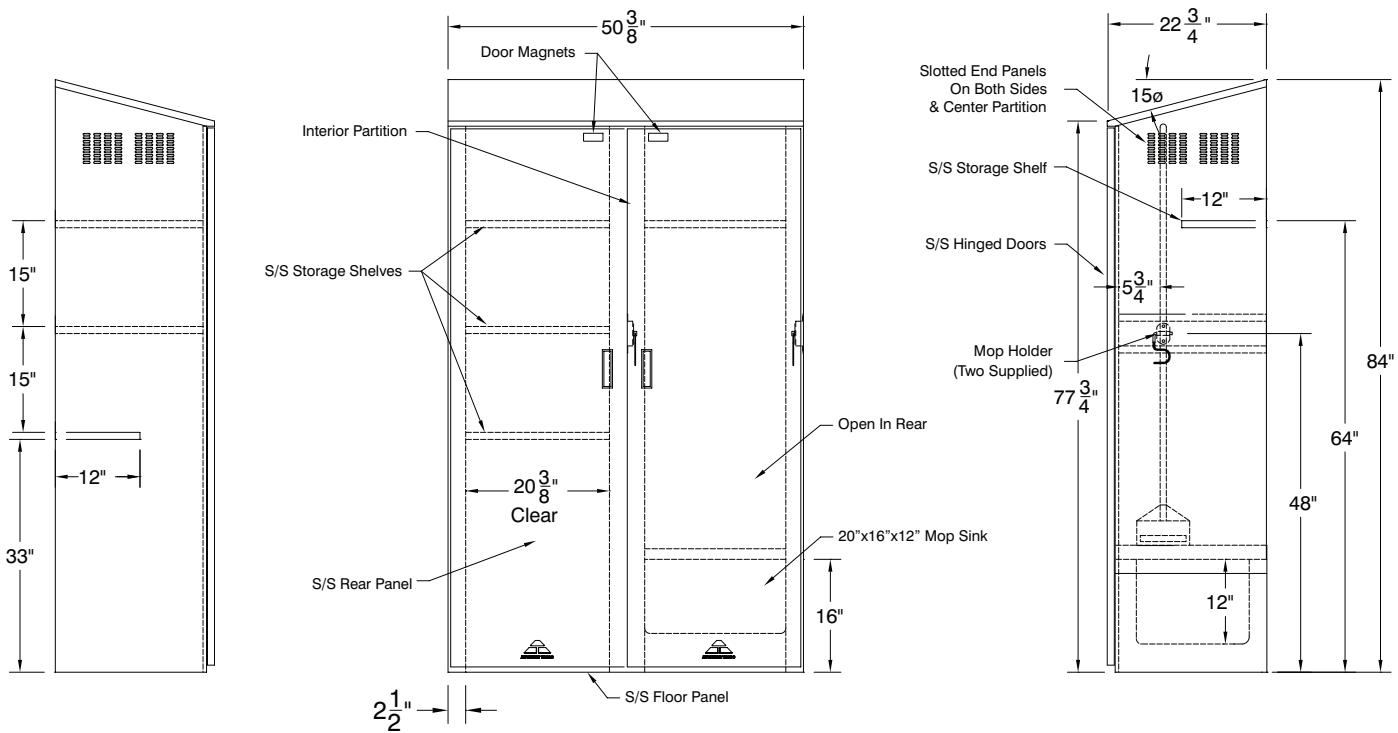
For Smart Fabrication™ Quotes:

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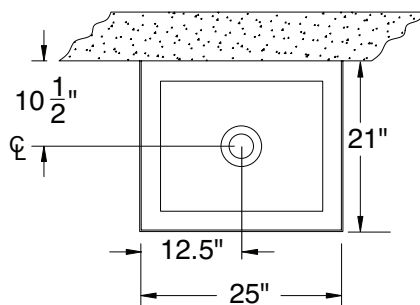
DIMENSIONS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL

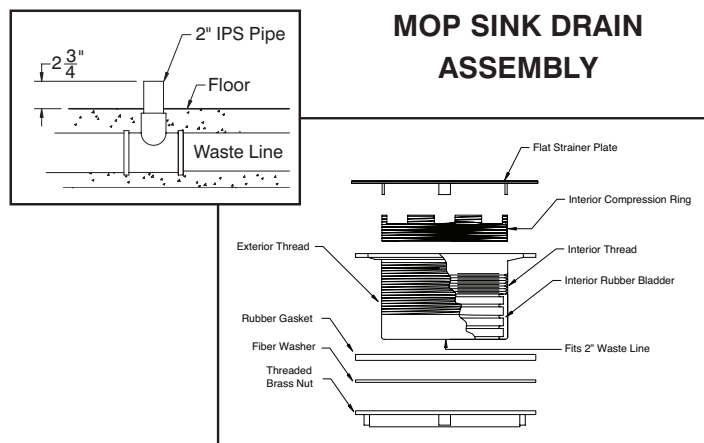
TOL ± .500"



9-OPC-84DR Shown



Mop Sink Detail





K-240 SERVICE FAUCET FOR MOP SINKS

Item #: _____ Qty #: _____

Model #: _____

Project #: _____



BACK VIEW
1/2" NPT FEMALE THREAD

FEATURES:

8" O.C. water supply.

Quarter turn wedge style handles with colored hot & cold Indexes.

9.6 GPM/36.3 LPM.

Wall support bracket & pail hook.

Vacuum breaker. Built-in stops.

Garden hose outlet.

MATERIAL:

Brass chrome plated body & spout.

Chrome plated handles.



**Click This Link To
View Assembly Sheet**

DIMENSIONS and SPECIFICATIONS

Options & Accessories

Replacement Vacuum Breaker Repair Kit For K-240

K-03

Faucet Repair Kit* K-00B (Set of 2)

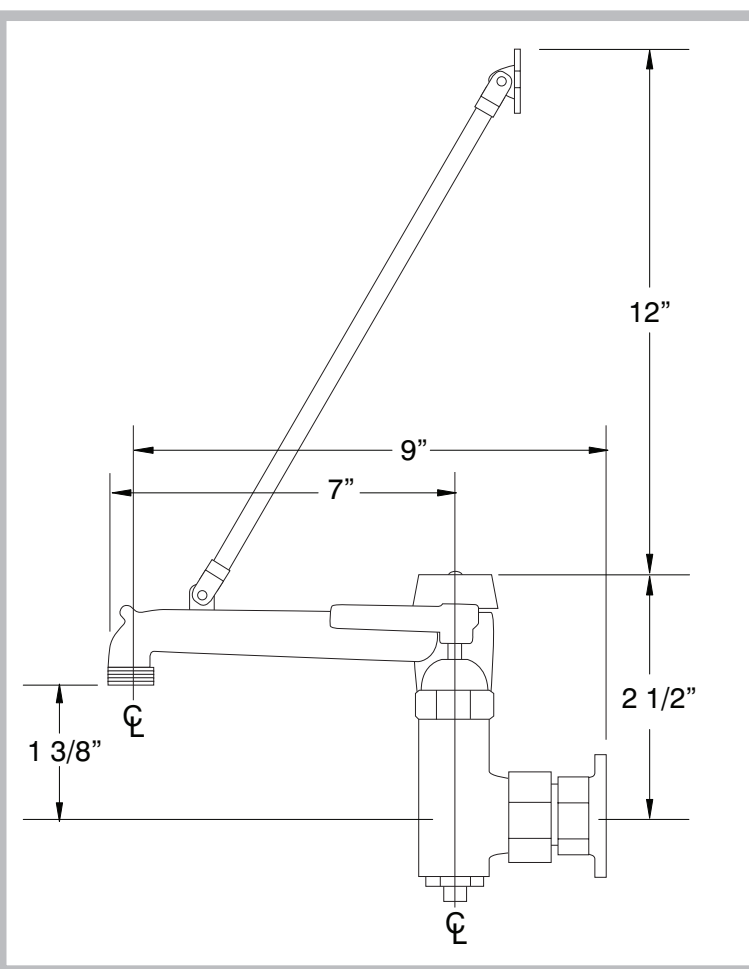
Includes 2 Cartridges and 2 Handles
With Red & Blue Indexes



*Can Only Be Used On Faucets Purchased After January 2016.
For Older Faucets, Consult Customer Service.

WARNING:

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more Info., visit www.p65warnings.ca.gov.



Customer Service Available To Assist You 1-800-645-3166 8:30 am - 7:00 pm E.S.T.

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For Smart Fabrication™ Quotes:

Email: smartfab@advancetabco.com or Fax: 631-586-2933

Submittal Sheet**ITEM# 70 - WASHER/DRYER (1 EA REQ'D)**

Frigid

Stacked Washer & Dryer Combo, Washer Capacity 3.9, Dryer Capacity 5.9

POWER / RATINGS: Circuit Breaker or Time Delay Fuse 30 Amp, Volts/Hertz 120/240V or 120/208V; 60Hz

FEATURES: Wash Basket Type Stainless Steel, Fuel Type Electric, Case Material Steel, Inlet Fill Hoses Included, Lid Latch, Drum Type Dura Drum, Exhaust Options 3-Way (Rear; Left; Right), Wash Mechanism Infusor, Control Type Rotary-Electronic, Washer Control Features LED Indicators

Submittal Sheet

ITEM# 71 - SPARE NO.

<Spare No.>

Submittal Sheet**ITEM# 72 - AIR CURTAIN (1 EA REQ'D)**

Mars Air Systems STD248-1UA-OB

Standard Series 2 Air Curtain, for 48" wide door, unheated, galvanized steel cabinet, obsidian black powder coat finish, (1) 1/2 HP motor, 115v/60/1-ph, ETL

ACCESSORIES

Mfr	Qty	Model	Spec
Mars Air Systems	1		5 year warranty, standard
Mars Air Systems	1		Options WITHOUT control panel
Mars Air Systems	1		Options WITHOUT time delay
Mars Air Systems	1	99-014	Door Limit Switch, indoor, plunger/roller type, remote mounted, 1 HP max, 250v, 20.0 amps, NEMA 2
Mars Air Systems	1	B0020	Mounting Bracket Side Extension, 4", 6", 8", & 10" clearance, obsidian black (set of 2)



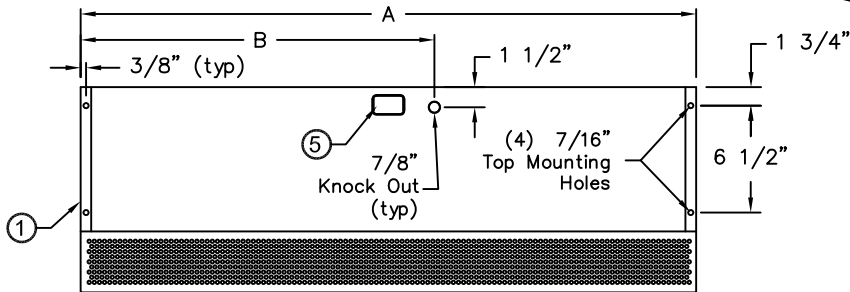
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Web Site: www.marsair.com • E-mail: info@marsair.com

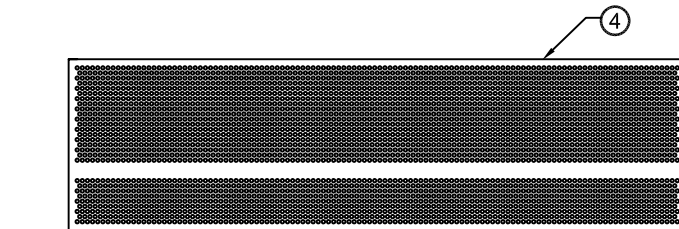
MODEL NO.	STD2 Series	DRAWING NO.	STD2U-F	DRAWN BY	BH	CHECKED BY		FILE NAME	
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Unheated Drawing

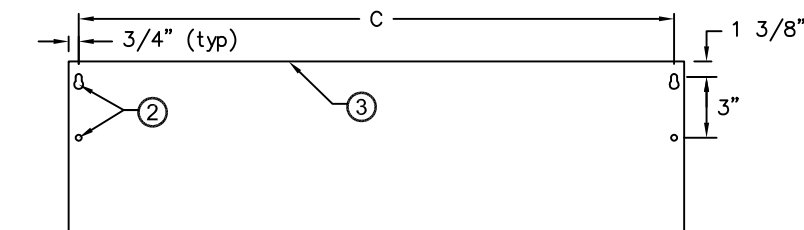
STD2 (Standard 2) Series



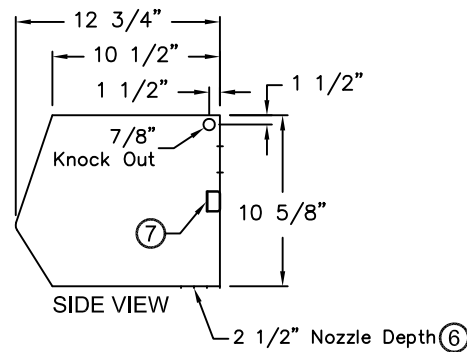
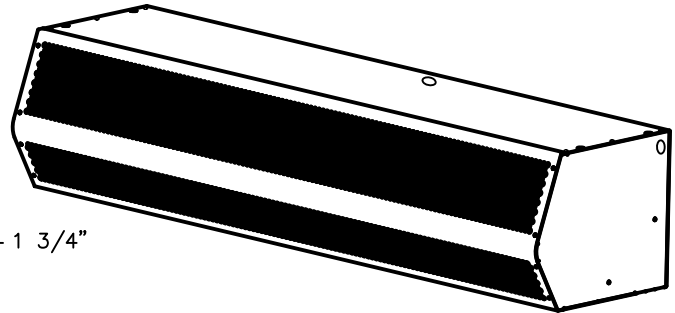
TOP VIEW



FRONT VIEW



REAR VIEW



SIDE VIEW



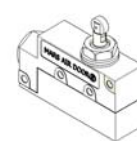
Note: Models STD260-2, STD264-2, STD278-2, STD296-3 & STD2108-2 are not AMCA Certified



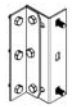
⑧ Recommended Accessories



Control Panels



Door Limit Switches



Brackets

Notes:

- This product is designed to meet the National Electric Code (NEC), ETL Listed (UL 507 and CSA 22.2) and AMCA 211 Certified.
- (2) 1/2" key hole slots and (2) 7/16" mounting holes provided for wall mounting and (4) 7/16" mounting holes for overhead mounting provided, (2) on each end.
- All units have a self contained one piece cabinet, fire retardant and corrosion proof paint lock metal double protected with baked on Obsidian Black color, rust preventative electrostatic polyurethane powder coating.
- Cabinet has sufficient strength for fastening to wall on both ends without intermediate support.
- Internal J-Box(es) for electrical wiring: one motor-(1) 2"x 4"; two motors-(1) 4"x 4"; three motors-(2) 4"x 4".
- Unit is to be installed such that air flow is unobstructed. Air discharge nozzle containing adjustable air directional vanes with 40° sweep front to back.
- Circuit protection as per NEC by others.
- Optional motor control panel, door limit switch and mounting brackets are field installed and/or wired by others. The door limit switch is to be mounted such that the air curtain turns on as door begins to open. To prevent unit damage, the mounting brackets must be installed such that the bottom of the air curtain is not below the door header.

*- Use corresponding letters in "Electrical Data" columns to complete the model numbers.

MODEL NUMBER	OVERALL LENGTH A (in)	KNOCKOUT LOCATION B (in)	REAR MOUNTING CENTER C (in)
STD236-1U*-OB	36	25 1/2	34 1/2
STD242-1U*-OB	42	28 1/2	40 1/2
STD248-1U*-OB	48	31 1/2	46 1/2
STD260-2U*-OB	60	37 1/2	58 1/2
STD272-2U*-OB	72	40	70 1/2
STD284-2U*-OB	84	46	82 1/2
STD296-2U*-OB	96	52	94 1/2
STD2108-3U*-OB	108	58	106 1/2
STD2120-3U*-OB	120	64	118 1/2
STD2144-3U*-OB	144	76	142 1/2



STD2 (Standard 2) Series

Unheated

Model Lengths 36" – 144"

atmosphere is everything

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Unheated Data Sheet

Applications: Environmental Separation (up to 12') and Insect Control (up to 10')

STD2 (Standard) Series 2	Mechanical Data						AMCA Certified Lab Data				
Model Number	Nozzle Length (in)	Length (in)	Depth (in)	Height (in)	Motor (hp)	Weight (lbs)	Max Core Velocity at Nozzle (fpm)	Avg Velocity (fpm)	Volume (cfm)	Uniformity (%)	Power Rating (watts)
STD236-1U*-OB	36	36	13	11	1/2	60	5960	2206	1379	84	500
STD242-1U*-OB	42	42	13	11	1/2	65	4865	1945	1418	87	510
STD248-1U*-OB	48	48	13	11	1/2	70	4247	1730	1442	85	550
STD260-2U*-OB	60	60	13	11	Two 1/2	90	6737	2592	2700	93	940
STD272-2U*-OB	72	72	13	11	Two 1/2	120	5960	2206	2758	84	1000
STD284-2U*-OB	84	84	13	11	Two 1/2	125	4865	1945	2836	87	1020
STD296-2U*-OB	96	96	13	11	Two 1/2	135	4247	1730	2884	85	1100
STD2108-3U*-OB	108	108	13	11	Three 1/2	175	5960	2206	4137	84	1500
STD2120-3U*-OB	120	120	13	11	Three 1/2	185	4660	2084	4341	92	1570
STD2144-3U*-OB	144	144	13	11	Three 1/2	200	4247	1730	4326	85	1650

* - Use corresponding letters in "Electrical Data" columns to complete the model numbers.

Note: Data above for 1725 RPM at 60 Hz, 50 Hz is 1425 RPM with a 17% reduction in the performance data.

- The AMCA Certified Ratings Seal applies to airflow rate, average outlet velocity, outlet velocity uniformity, velocity projection and power rating at free delivery only.
- Rated data shown are only for base (unheated) units, as shown.

Features:

- ❖ 1/2 HP Continuous Duty TEAO Motors
- ❖ Sleek self-contained one piece heavy gauge corrosion proof paint lock metal design
- ❖ ETL Certified to conform to UL 507 (US) and CSA 22.2 (Canada) Standards (Indoor/Outdoor Use)
- ❖ AMCA Certified to AMCA 211 (see table above for models available)
- ❖ (4) 7/16" top and wall mounting holes provided, (2) on each end
- ❖ Cabinet has sufficient strength for fastening to wall on both ends without intermediate support
- ❖ Adjustable air directional vanes with 40° sweep front to back
- ❖ Standard color is Obsidian Black
- ❖ Rust preventative electrostatic polyurethane powder coating
- ❖ 5 year parts warranty
- ❖ Freight Included (FOB Continental USA)
- ❖ Proudly Made in the USA

Note: All STD2 (1) motor units up to 48" are shipped with the Motor Fan Assembly (MFA) factory installed inside the air curtain housing. For all other models, the MFA are shipped loose to minimize freight damage

Options and Accessories: (see Accessories Brochure)

- ❖ Motor Control Panels
- ❖ Wall and Overhead Bracket
- ❖ Multi-speed motors and controls
- ❖ Washdown units and accessories (NEMA 4 & 4X)
- ❖ Explosion Resistant units and accessories (Class I, Div. I, Group D)
- ❖ Custom colors and finishes (304SS, 316SS)
- ❖ Noise reduction package

Sound Levels: (measured at 10' in an open field)

1 Motor Unit = 66 dBA, 2 Motor Unit = 68 dBA, 3 Motor Unit = 71 dBA & 4 Motor Unit = 73 dBA

Projection Velocity		
Model	Distance from nozzle (in)	Avg. Core Velocity (FPM)
STD236-1U*	40	1207
	80	856
	120	710
	160	637
	200	588



MARS Air Systems, LLC certifies that the Air Curtains shown on this data sheet are licensed to bear the AMCA seal. The rating shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.

Note: Models STD260-2, STD264-2, STD278-2, STD296-3 & STD2108-2 are not AMCA Certified.

Note: AMCA211 encompasses both AMCA 210 and AMCA220



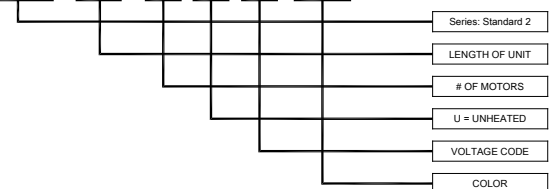
Electrical Data (FLA)	Unit Voltage (Voltage Code)						
	Single Phase			Three Phase			
	115v/1Ø (A)	208/230v/1Ø (D)	277v/1Ø (L)	208/230v/3Ø (G)	460v/3Ø (H)	575v/3Ø (I)	380v/3Ø/50Hz (M)
STD236-1U*-OB	5.1	2.5	2.7	1.8/1.6	0.8	0.7	1.1
STD242-1U*-OB	5.1	2.5	2.7	1.8/1.6	0.8	0.7	1.1
STD248-1U*-OB	5.1	2.5	2.7	1.8/1.6	0.8	0.7	1.1
STD260-2U*-OB	10.2	5.0	5.4	3.6/3.2	1.6	1.4	2.2
STD272-2U*-OB	10.2	5.0	5.4	3.6/3.2	1.6	1.4	2.2
STD284-2U*-OB	10.2	5.0	5.4	3.6/3.2	1.6	1.4	2.2
STD296-2U*-OB	10.2	5.0	5.4	3.6/3.2	1.6	1.4	2.2
STD2108-3U*-OB	15.3	7.5	8.1	5.4/4.8	2.4	2.1	3.3
STD2120-3U*-OB	15.3	7.5	8.1	5.4/4.8	2.4	2.1	3.3
STD2144-3U*-OB	15.3	7.5	8.1	5.4/4.8	2.4	2.1	3.3

* - Use corresponding letters in "Electrical Data" columns to complete the model numbers.

Note: For Ampacity Multiply FLA X 1.25

EXAMPLE

STD2 72 - 2 U H - OB



NOTE: MARS AIR SYSTEMS, LLC reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

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COMMUNITY SCHOOL

STD2U-B; November 19, 2018

MARS AIR SYSTEMS, LLC • GARDENA, CA • USA
Standard Restaurant Supply



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Brackets

All Unheated, Electric, Hot Water and Steam Heated Series

(Excludes the WM and BD series and all Gas Fired Models)

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Brackets

Brackets	Description	Applicable Air Curtain Series (Unhtd, Elec, HW & S Only)	Part Number
Adjustable Mounting Bracket	Kit, Brckt, Mntng, Adj, Stl, 3 1/2" Clearance, OB, (Set of 2)(Replaces J0004-** & J0741)	STD2, N2, HV2, NH2, EP2	B0004
Adjustable Combination Mounting Bracket	Kit, Brckt, Mntng, Adj, Stl, 7", 9", 11" & 13" Clearance, OB, (Set of 2)(Replaces J0005-** to J0007-** & J0702)	STD2, N2, HV2, NH2, EP2	B0005
Side Extension Plate	Kit, Brckt, Mntng, Side Ext, 4", 6", 8" & 10" Clearance, OB (Set of 2)(Replaces J0016-** to J0018-** & J0731)	STD2, N2, HV2, NH2, EP2	B0020
Extended Wall Mounting Brackets	Kit, Brckt, Mntng, Extended Wall, Stl, 10" Clearance, OB, (Set of 2)(Replaces J0008G-OB)	STD2, N2, HV2, NH2, EP2	B0008
	Kit, Brckt, Mntng, Extended Wall, Stl, 16" Clearance, OB, (Set of 2)(Replaces J0009G-OB)	STD2, N2, HV2, NH2, EP2	B0009
	Kit, Brckt, Mntng, Extended Wall, Stl, 19" Clearance, OB, (Set of 2)(Replaces J0010G-OB)	STD2, N2, HV2, NH2, EP2	B0010
	Kit, Brckt, Mntng, Extended Wall, Stl, 23" Clearance, OB, (Set of 2)(Replaces J0011G-OB)	STD2, N2, HV2, NH2, EP2	B0011
Top Mounting Brackets	Kit, Brckt, Unheated Top Mounting, LPV2, per unit, OB, (Set of 2)(Replaces 09-057OB)	LPN2, LPV2, Unheated	B0031
	Kit, Brckt, Heated Top Mounting, LPV2, per unit, OB, (Set of 2)(Replaces 09-056OB)	LPV2, Heated	B0032
Transom Mounting Brackets	Kit, Brckt, Transom Mounting, STD2, per unit, OB, (LH & RH), (Set of 2)(Replaces 09-058-OB)	STD2, N2	B0041
	Kit, Brckt, Transom Mounting, LPV2, OB, (LH & RH), (Set of 2)(Replaces J0041)	LPV2, LPN2	B0042

***Non standard colors and materials available at additional costs and lead time: TS-Titanium Silver, PW-Pearl White, SS-Stainless Steel**

Not compatible with WM series, BD series, and indirect heated air curtains

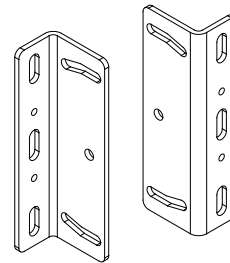
Unhtd - Unheated, Elec - Electric Heated, HW - Hot Water & S - Steam

Features:

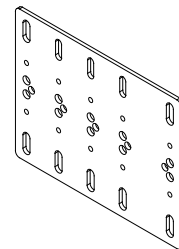
- ❖ Specifically designed to be used for the Mars Air Curtains
- ❖ Heavy duty 1/4" steel construction
- ❖ All brackets are provided as a set of 2 (Tandem units require 1 set per unit)
- ❖ Rust preventative electrostatic polyurethane powder coating
- ❖ Unit and wall mounting hardware provided by others
- ❖ Shipped loose for field installation by others
- ❖ 1 year parts warranty
- ❖ Proudly Made in the USA

Adjustable Mounting Bracket

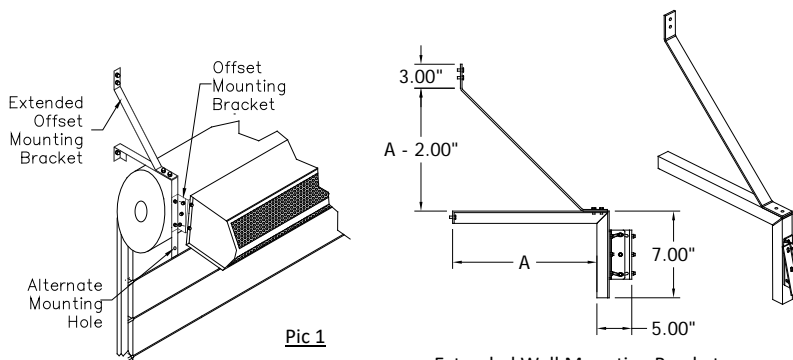
- ❖ Designed to clear small obstructions above the opening or mounting location (see pic 2)
- ❖ Typically used for sectional type doors, vertical lift or garage type
- ❖ Available with 3 1/2", 7", 9", 11", or 13" clearances
- ❖ Standard color is Obsidian Black



Adjustable Mounting Bracket
3.5" Clearance (B0004)

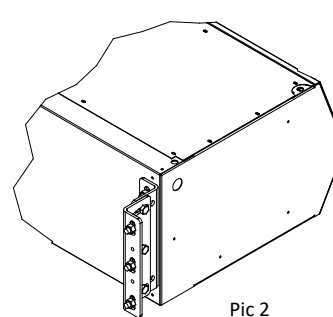


Combination Side Extension
Plate 4", 6", 8", & 10" (B0020)



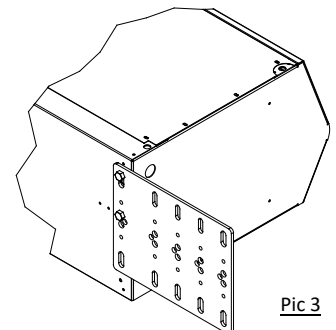
Pic 1

Extended Wall Mounting Brackets



Pic 2

STD2 Unit with Adjustable
Mounting Bracket (B0004)



Pic 3

STD2 with Combination Side
Extension Plate (B0020)

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Rev: 10/31/18, VM



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Brackets

All Unheated, Electric, Hot Water and Steam Heated Series

(Excludes the WM and BD series and all Gas Fired Models)

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Extended Offset Mounting Brackets

- ❖ Designed to clear larger obstructions above the opening or mounting location
- ❖ Typically used for drum type doors and large pipes for water or ventilation (see pic 1)
- ❖ Set included 3 ½" Offset Mounting Bracket as standard
- ❖ Compatible with optional 4", 7" or 10" Offset Mounting Brackets and Side Extension Plate
- ❖ Available with 10", 16", 19" or 23" clearances
- ❖ Standard color is Obsidian Black

Combination Side Extension Plates

- ❖ Designed to clear small obstructions on the ends of the opening or mounting location (see pic 3)
- ❖ Typically used to clear door tracks, small pipes and conduit on the edges of the opening
- ❖ Commonly used in conjunction with the Offset Mounting Bracket (see pic 4)
- ❖ Available with 4", 6", 8", or 10" clearances
- ❖ Standard color is Titanium Silver

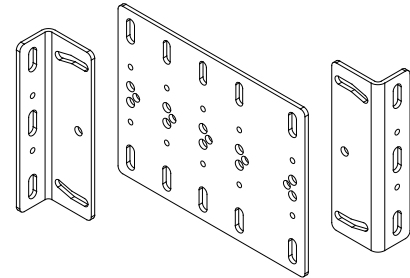
Top Mounting Brackets

- ❖ Designed for overhead mounting above the opening
- ❖ Typically used for glass doors or large transoms (see pic 5)
- ❖ May be used in conjunction with the Adjustable Mounting Bracket or Side Extension Plates (see pic 2)
- ❖ Standard color is Obsidian Black

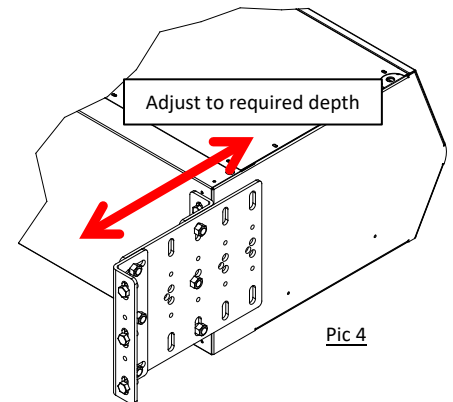
Transom Mounting Brackets

- ❖ Designed for transom mounting to the framed transoms above the opening
- ❖ Typically used for commercial applications, such as office and retail spaces (see pic 6)
- ❖ Not recommended for HV2 and EP2 units due to door frame weight capacity limitations
- ❖ Standard color is Obsidian Black

Note: All three types of brackets may be used together for the same installation (see on the right)



Adjustable Combination Mounting Bracket 7", 10", 11", 14" (B0005)

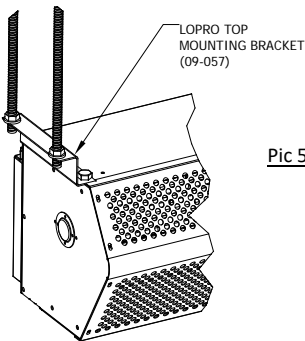


Pic 4

STD2 Unit with Adjustable Combination Mounting Bracket (B0005)

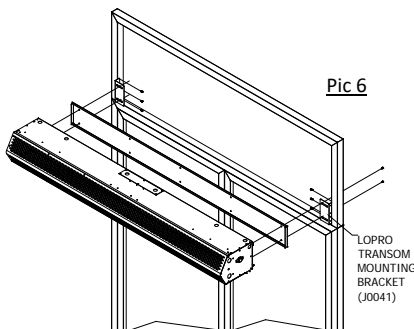
Options and Accessories:

- ❖ Custom colors and finishes (304SS & 316SS)

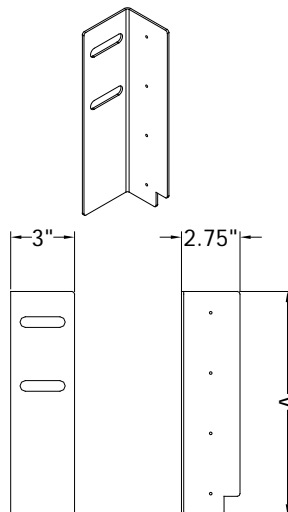


Pic 5

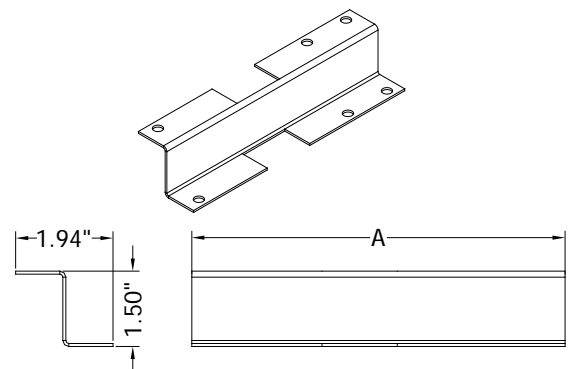
Part Number	Description	Dim "A"
B0031	Kit, Brckt, Unheated Top Mounting, LPV2, per unit, OB, (Set of 2)(Replaces 09-057OB)	5"
B0032	Kit, Brckt, Heated Top Mounting, LPV2, per unit, OB, (Set of 2)(Replaces 09-056OB)	7.44"
B0042	Kit, Brckt, Transom Mounting, LPV2, OB, (LH & RH), (Set of 2)(Replaces J0041)	7"
B0041	Kit, Brckt, Transom Mounting, STD2, per unit, OB, (LH & RH), (Set of 2)(Replaces 09-058-OB)	10.5"



Pic 6



Transom Mounting Brackets (B0042 & B0041)



LoPro - Top Mounting Brackets (B0032 & B0031)

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Submittal Sheet

ITEM# 73 - WALK-IN COOLER/FREEZER COMBO (1 EA REQ'D)

Imperial Brown

Walk-In Combo Cooler /Freezer, Outdoor, 8' - 8 1/2" x 21' - 2" x 8' - 4 3/8", 8' - 1/2" ID x 10' - 1" ID x 7' - 11 3/8" ID freezer (no floor), 8' - 1/2" ID x 10' - 1" ID x 7' - 11 3/8" ID cooler (no floor), (7 Sections) 4" urethane NSF wall panels, Exterior finish: STUCCO GALVALUME — Interior finish: STUCCO GALVALUME, Connection to ceiling: CAMLOCK — Connection to floor: 3/8" VINYL TRACK, GREY — Ceiling caps: MOUNTED, (2 Sections) 5" high density urethane NSF ceiling panels, Exterior finish: METAL — Interior finish: STUCCO GALVALUME

Doors: (1) ea. 34" x 78" flush model G3 self-closing freezer swing door (RIGHT hinge), FRAME: 4" high density urethane door section, 3-sided, 4-sided heat cable, LEAF: 4" thick, 3-side lap, Magnetic gasket, standard non-heated sweep

HARDWARE: (3) W59 hinge, (1) 27C deadbolt handle, (1) 27C knob ins. Rel., (1) 1094 closer, FINISH: Stucco galvalume / 24 ga. stainless steel 430 (magnetic) liners, (1) ea. Single pole toggle switch w/ pilot light (120V, 10A max. load), (1) ea. 2" flush mount analog thermometer w/ 12" capillary, (1) ea. Terminal J-box, (1) ea. Kason 1832 heated air vent (23W, 120V, .2A), (1) ea. .080 smooth aluminum threshold, (2) ea. Electrical components to be pre-wired.

(1) ea. 34" x 78" flush model G3 self-closing cooler swing door (RIGHT hinge) FRAME: 4" high density urethane door section, 3-sided, LEAF: 4" thick, 3-side lap, Magnetic gasket, standard non-heated sweep, **LEAF WILL NOT BE RAISED UNLESS SPECIFIED OTHERWISE**, HARDWARE: (3) W59 hinge, (1) 27C deadbolt handle, (1) 27C knob ins. Rel., (1) 1094 closer, FINISH: Stucco galvalume / 24 ga. stainless steel 430 (magnetic) liners, (1) ea. 3-way press switch w/ pilot light (weatherproof, 120V 4.9A max. load), (1) ea. 2" flush mount analog thermometer w/ 12" capillary, (1) ea. Terminal J-box, (1) ea. Electrical components to be pre-wired.

Accessories: (2) ea. 4' LED light fixture w/ (2) LED lamps for cooler or freezer application (Keil -36W, 120V, 0.3A), (1) Pkg. Sloped roof - Membrane roofing, (1) Pkg. Sloped roof - ISO boards, (10) ea. Interior seismic tie-down @ ceiling level, (9) ea. Combination interior cove base/seismic tie-down @ floor level

Submittal Sheet**ITEM# 74 - REFRIGERATION SYSTEM - COOLER (1 EA REQ'D)**

Imperial Brown

Cooler - Outdoor R404a split system w/ intelliGen, 7964 BTU/H @ 15F TD with 14.8 hr runtime @ 35F inside/95F outside room, 110F @ cond. unit, 5454ft altitude, (1) Climate Control R404a air cooled condensing unit 208-230V/1Ø/60Hz/0.75HP Scroll compressor, MCA=15, MOPD =15

24.625W x 28.25D x 19.75H x 168lbs.

(1) Climate Control R404a Low Profile evaporator model, (2) 2-speed EC motors (1.8A) & air defrost, mounted parts, 115V/1Ø/60Hz

45.5W x 13.25D x 16.4375H x 52lbs.

(1) ea. Low ambient kit w/ heated and insulated receiver, time delay relay
(INCLUDED IN ITEM # 73)

Submittal Sheet**ITEM# 75 - REFRIGERATION SYSTEM - FREEZER (1 EA REQ'D)**

Imperial Brown

Freezer - Outdoor R404a split system w/ intelliGen, 8679 BTU/H @ 10.4F TD with 15.8 hr runtime @ -10F inside/95F outside room, 110F @ cond. unit, 5454ft altitude, (1) Climate Control R404a air cooled condensing unit

208-230V/1Ø/60Hz/2.5HP Scroll compressor, MCA=20, MOPD =30

39.125W x 28.25D x 19.75H x 230lbs.

(1) Climate Control R404a Low Profile evaporator model, (3) EC motors (1.5A) & electric defrost (13.7A), mounted parts, 208-230V/1Ø/60Hz

61.5W x 13.25D x 16.4375H x 71lbs

(1) ea. Low ambient kit w/ heated and insulated receiver, time delay relay

(INCLUDED IN ITEM # 73)

Submittal Sheet**ITEM# 76 - WIRE SHELVING (8 EA REQ'D)**

Thunder Group CMEP2442

Wire Shelving, 24" x 42", 850 lb. capacity, with 4 sets of sleeve clips, heavy duty, epoxy coated, green, NSF (2 each minimum order)

ACCESSORIES

Mfr	Qty	Model	Spec
Thunder Group	1		5 year warranty, standard
Thunder Group	8	CMEC072	Shelving Post, 74"H, with leveling foot, heavy duty, epoxy coated, green, NSF (4 each minimum order)

SHELVING

HEAVY DUTY COMMERCIAL WIRE SHELVING - EPOXY COATED

Epoxy coated wire shelving endures in moist areas. Heavy duty wire construction enables each shelf to hold up to 850 lbs. Adjustable legs for leveling on uneven surfaces.

Under 48" in length, maximum capacity is 850 lbs per shelf on leveling feet.

Over 48" in length, maximum capacity is 600 lbs per shelf on leveling feet.

Each shelf maximum capacity is 150 lbs per shelf on casters.

5 Year Warranty



ITEM	DESCRIPTION	U/M	WEIGHT GROSS lbs	INNER PACK	MASTER PACK	CU.FT.
Shelf w/ Sleeve Clips						
CMEP1424	14" x 24" with 4 Set Sleeve Clips	EACH	11.68	2	2	0.80
CMEP1430	14" x 30" with 4 Set Sleeve Clips	EACH	14.11	2	2	0.99
CMEP1436	14" x 36" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.18
CMEP1448	14" x 48" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.57
CMEP1460	14" x 60" with 4 Set Sleeve Clips	EACH	26.68	2	2	1.96
CMEP1472	14" x 72" with 4 Set Sleeve Clips	EACH	31.31	2	2	2.34
CMEP1824	18" x 24" with 4 Set Sleeve Clips	EACH	13.23	2	2	1.01
CMEP1830	18" x 30" with 4 Set Sleeve Clips	EACH	16.09	2	2	1.25
CMEP1836	18" x 36" with 4 Set Sleeve Clips	EACH	18.74	2	2	1.50
CMEP1842	18" x 42" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.75
CMEP1848	18" x 48" with 4 Set Sleeve Clips	EACH	24.25	2	2	1.99
CMEP1854	18" x 54" with 4 Set Sleeve Clips	EACH	26.90	2	2	2.24
CMEP1860	18" x 60" with 4 Set Sleeve Clips	EACH	29.76	2	2	2.49
CMEP1872	18" x 72" with 4 Set Sleeve Clips	EACH	34.83	2	2	2.98
CMEP2124	21" x 24" with 4 Set Sleeve Clips	EACH	14.44	2	2	1.18
CMEP2130	21" x 30" with 4 Set Sleeve Clips	EACH	17.53	2	2	1.46
CMEP2136	21" x 36" with 4 Set Sleeve Clips	EACH	20.39	2	2	1.74
CMEP2142	21" x 42" with 4 Set Sleeve Clips	EACH	23.26	2	2	2.03
CMEP2148	21" x 48" with 4 Set Sleeve Clips	EACH	26.12	2	2	2.21
CMEP2154	21" x 54" with 4 Set Sleeve Clips	EACH	28.99	2	2	2.61
CMEP2160	21" x 60" with 4 Set Sleeve Clips	EACH	32.08	2	2	2.89
CMEP2172	21" x 72" with 4 Set Sleeve Clips	EACH	37.59	2	2	3.46
CMEP2424	24" x 24" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.33
CMEP2430	24" x 30" with 4 Set Sleeve Clips	EACH	19.84	2	2	1.65
CMEP2436	24" x 36" with 4 Set Sleeve Clips	EACH	22.93	2	2	1.98
CMEP2442	24" x 42" with 4 Set Sleeve Clips	EACH	26.23	2	2	2.31
CMEP2448	24" x 48" with 4 Set Sleeve Clips	EACH	29.54	2	2	2.63
CMEP2454	24" x 54" with 4 Set Sleeve Clips	EACH	32.85	2	2	2.97
CMEP2460	24" x 60" with 4 Set Sleeve Clips	EACH	39.24	2	2	3.29
CMEP2472	24" x 72" with 4 Set Sleeve Clips	EACH	46.08	2	2	3.94
Post w/ Leveling Foot						
CMEC008	8" Post with Leveling Foot	EACH	1.98	4	4	0.04
CMEC034	34" Post with Leveling Foot	EACH	6.17	4	4	0.13
CMEC063	63" Post with Leveling Foot	EACH	11.02	4	4	0.24
CMEC072	74" Post with Leveling Foot	EACH	13.18	4	4	0.28
CMEC086	86" Post with Leveling Foot	EACH	15.65	4	4	0.33

Sleeve Clips



Green
Epoxy
Shelves



Posts

Leveling Foot
Included

* Sold by Master Pack Only.

Submittal Sheet**ITEM# 76.1 - WIRE SHELVING (28 EA REQ'D)**

Thunder Group CMEP2460

Wire Shelving, 24" x 60", 600 lb. capacity, with 4 sets of sleeve clips, heavy duty, epoxy coated, green, NSF (2 each minimum order)

ACCESSORIES

Mfr	Qty	Model	Spec
Thunder Group	1		5 year warranty, standard
Thunder Group	28	CMEC072	Shelving Post, 74"H, with leveling foot, heavy duty, epoxy coated, green, NSF (4 each minimum order)

SHELVING

HEAVY DUTY COMMERCIAL WIRE SHELVING - EPOXY COATED

Epoxy coated wire shelving endures in moist areas. Heavy duty wire construction enables each shelf to hold up to 850 lbs. Adjustable legs for leveling on uneven surfaces.

Under 48" in length, maximum capacity is 850 lbs per shelf on leveling feet.

Over 48" in length, maximum capacity is 600 lbs per shelf on leveling feet.

Each shelf maximum capacity is 150 lbs per shelf on casters.

5 Year Warranty



ITEM	DESCRIPTION	U/M	WEIGHT GROSS lbs	INNER PACK	MASTER PACK	CU.FT.
Shelf w/ Sleeve Clips						
CMEP1424	14" x 24" with 4 Set Sleeve Clips	EACH	11.68	2	2	0.80
CMEP1430	14" x 30" with 4 Set Sleeve Clips	EACH	14.11	2	2	0.99
CMEP1436	14" x 36" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.18
CMEP1448	14" x 48" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.57
CMEP1460	14" x 60" with 4 Set Sleeve Clips	EACH	26.68	2	2	1.96
CMEP1472	14" x 72" with 4 Set Sleeve Clips	EACH	31.31	2	2	2.34
CMEP1824	18" x 24" with 4 Set Sleeve Clips	EACH	13.23	2	2	1.01
CMEP1830	18" x 30" with 4 Set Sleeve Clips	EACH	16.09	2	2	1.25
CMEP1836	18" x 36" with 4 Set Sleeve Clips	EACH	18.74	2	2	1.50
CMEP1842	18" x 42" with 4 Set Sleeve Clips	EACH	21.61	2	2	1.75
CMEP1848	18" x 48" with 4 Set Sleeve Clips	EACH	24.25	2	2	1.99
CMEP1854	18" x 54" with 4 Set Sleeve Clips	EACH	26.90	2	2	2.24
CMEP1860	18" x 60" with 4 Set Sleeve Clips	EACH	29.76	2	2	2.49
CMEP1872	18" x 72" with 4 Set Sleeve Clips	EACH	34.83	2	2	2.98
CMEP2124	21" x 24" with 4 Set Sleeve Clips	EACH	14.44	2	2	1.18
CMEP2130	21" x 30" with 4 Set Sleeve Clips	EACH	17.53	2	2	1.46
CMEP2136	21" x 36" with 4 Set Sleeve Clips	EACH	20.39	2	2	1.74
CMEP2142	21" x 42" with 4 Set Sleeve Clips	EACH	23.26	2	2	2.03
CMEP2148	21" x 48" with 4 Set Sleeve Clips	EACH	26.12	2	2	2.21
CMEP2154	21" x 54" with 4 Set Sleeve Clips	EACH	28.99	2	2	2.61
CMEP2160	21" x 60" with 4 Set Sleeve Clips	EACH	32.08	2	2	2.89
CMEP2172	21" x 72" with 4 Set Sleeve Clips	EACH	37.59	2	2	3.46
CMEP2424	24" x 24" with 4 Set Sleeve Clips	EACH	16.53	2	2	1.33
CMEP2430	24" x 30" with 4 Set Sleeve Clips	EACH	19.84	2	2	1.65
CMEP2436	24" x 36" with 4 Set Sleeve Clips	EACH	22.93	2	2	1.98
CMEP2442	24" x 42" with 4 Set Sleeve Clips	EACH	26.23	2	2	2.31
CMEP2448	24" x 48" with 4 Set Sleeve Clips	EACH	29.54	2	2	2.63
CMEP2454	24" x 54" with 4 Set Sleeve Clips	EACH	32.85	2	2	2.97
CMEP2460	24" x 60" with 4 Set Sleeve Clips	EACH	39.24	2	2	3.29
CMEP2472	24" x 72" with 4 Set Sleeve Clips	EACH	46.08	2	2	3.94
Post w/ Leveling Foot						
CMEC008	8" Post with Leveling Foot	EACH	1.98	4	4	0.04
CMEC034	34" Post with Leveling Foot	EACH	6.17	4	4	0.13
CMEC063	63" Post with Leveling Foot	EACH	11.02	4	4	0.24
CMEC072	74" Post with Leveling Foot	EACH	13.18	4	4	0.28
CMEC086	86" Post with Leveling Foot	EACH	15.65	4	4	0.33

Sleeve Clips



Green
Epoxy
Shelves



Posts

Leveling Foot
Included

* Sold by Master Pack Only.

Submittal Sheet

ITEM# 77 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# 78 - SPARE NO.

<Spare No.>

Submittal Sheet

ITEM# DELV - DELIVERY (1 EA REQ'D)

SRECO

Recieve, unload, Consolidate and deliver equipment to job site

Submittal Sheet**ITEM# INSTL-E&C - INSTALLATION (1 EA REQ'D)**

SRECO I-E & I-C

All labor and materials to receive, unload, uncrate and install all Buyout and Custom Fabricated Food Service Equipment for a complete and operating system. To include all anchoring, trim and sealing as required.
(ALL Electrical, Plumbing and Mechanical rough-ins, inter-wiring and final connections by Others)

Submittal Sheet**ITEM# INSTL-H - INSTALLATION (1 EA REQ'D)**

SRECO I-H

All labor and materials to receive, unload, uncrate and install Exhaust Hood, Wall Flashing and Enclosure Panels for a complete and operating system. To include all anchoring, trim, sealing as required.

EXCLUSIONS: Following work by others:

ALL Plumbing, Electrical and Mechanical Rough-Ins, Inter-connections and Final Connections.

Submittal Sheet**ITEM# INSTL-R - INSTALLATION (1 EA REQ'D)**

SRECO I-R

All labor and materials required to receive, unload, uncrate and install Walk-In Cooler / Freezer Boxes, Refrigeration Systems and all its components for a complete and operating system. One (1) year labor warratny on refrigeration system.

(All Electrical and Plumbing connections by others including all intgerwiring, drain lines and heat tape.)

Submittal Sheet**ITEM# INSTL-W - INSTALLATION (1 EA REQ'D)**

SRECO I-W

All labor and materials required to receive, unload, uncrate and install Walk-In Cooler / Freezer Boxes and all its components for a complete and operating system. One (1) year labor warranty on refrigeration system.
(All Electrical and Plumbing connections by others including all intgerwiring, drain lines and heat tape.)

SECTION 11 6623 - GYMNASIUM 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. This Section includes the following gymnasium equipment:
 - 1. Basketball equipment.
 - 2. Volleyball equipment
 - 3. Safety pads.
- B. Related Sections include the following:
 - 1. Division 03 Section "Cast-in-Place Concrete" for installation of floor insert sleeves to be cast in concrete slabs and footings.
 - 2. Division 26 Sections for electrical service for motor operators, controls, and other powered devices for motorized gymnasium equipment.

1.3 DEFINITIONS

- A. NCAA: The National Collegiate Athletic Association.
- B. NFHS: The National Federation of State High School Associations.
- C. USAV: USA Volleyball.

1.4 PERFORMANCE REQUIREMENTS

- A. Seismic Performance: Provide basketball backboards capable of withstanding the effects of earthquake motions determined according to ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 9, "Earthquake Loads."

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. If applicable, include assembly, disassembly, and storage instructions for removable equipment.
 - 2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.

- B. Shop Drawings: For gymnasium equipment. Include plans, elevations, sections, details, attachments to other work, and the following:
 - 1. Method of field assembly for removable equipment, connections, installation details, mountings, floor inserts, attachments to other work, and operational clearances.
 - 2. Transport and storage accessories for removable equipment.
- C. Structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation including loads, point reactions, and locations for attachment of gymnasium equipment to structure.
- D. Coordination Drawings: Court layout plans, drawn to scale, and coordinating floor inserts, game lines, and markers applied to finished flooring.
- E. Samples for Initial Selection: For each type of gymnasium equipment indicated.
- F. Samples for Verification: For the following products:
 - 1. Pad Fabric: Not less than 12 inches square, with specified treatments applied. Mark face of material.
- G. Product Certificates: For each type of gymnasium equipment, signed by product manufacturer.
- H. Qualification Data: For Installer.
- I. Operation and Maintenance Data: For gymnasium equipment to include in emergency, operation, and maintenance manuals.
- J. Warranty: Special warranty specified in this Section.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
- B. Source Limitations: Obtain each type of gymnasium equipment through one source from a single manufacturer.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, 2018 ED. Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- D. Composite Wood Products: Made without urea formaldehyde.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install gymnasium equipment until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Verify position and elevation of floor inserts and layout for gymnasium equipment.

1.8 COORDINATION

- A. Coordinate installation of floor inserts with structural floors and finish flooring installation and with court layout and game lines and markers on finish flooring.
- B. Coordinate layout and installation of overhead-supported gymnasium equipment and suspension system components with other construction including light fixtures, HVAC equipment, fire-suppression-system components, and partition assemblies.

1.9 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of gymnasium equipment that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Basketball backboard failures including glass breakage.
 - b. Faulty operation of motors and all operating equipment.
 - 2. Warranty Period: 5 (five) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 - 1. Extruded Bars, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
 - 2. Cast Aluminum: ASTM B 179.
 - 3. Flat Sheet: ASTM B 209 (ASTM B 209M).
- B. Steel: Comply with the following:
 - 1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
 - 2. Steel Tubing: ASTM A 500 or ASTM A 513, cold formed.
 - 3. Steel Sheet: ASTM A 1011/A 1011M.
- C. Support Cable: 1/4-inch- diameter, 7x19 galvanized steel aircraft cable with a breaking strength of 7000 lb. Provide fittings complying with cable manufacturer's written instructions for size, number, and method of installation.
- D. Support Chain and Fittings: Grade 80 hardened alloy steel chain rated for overhead lifting, ASTM A 391/A 391M, with commercial-quality, hot-dip galvanized steel connectors and hangars.
- E. Castings and Hangers: Malleable iron, ASTM A 47/A 47M, grade required for structural loading.

- F. Softwood Plywood: DOC PS 1, exterior.
- G. Particleboard: ANSI A208.1, made with adhesive containing no urea formaldehyde.
- H. Anchors, Fasteners, Fittings and Hardware: Manufacturer's standard corrosion-resistant or noncorrodible units; concealed; tamperproof, vandal- and theft-resistant design.
- I. Grout: Nonshrink, nonmetallic, premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107 with minimum strength recommended in writing by gymnasium equipment manufacturer.

2.2 BASKETBALL EQUIPMENT - (Overhead Mounted)

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Aalco Manufacturing Company. Model #2000FJK - Forward Fold Backstop and Model #2000SF – Side Fold Backstop or a comparable products by one of the following:
 - 1. ADP Lemco Inc.
 - 2. Draper Inc.
 - 3. Basketball Products International; a division of American Athletic, Inc.
 - 4. Institutional Products Inc.
 - 5. Porter Athletic Equipment Company.
 - 6. Or Prior Approved Equal.
- B. Protruding fasteners or exposed bolt heads on front face of backboards are not permitted.
- C. Overhead-Supported Backboard:
 - 1. Folding Type: Provide manufacturer's standard assembly for forward-folding or side-folding backboards, with hardware and fittings to permit folding.
 - 2. Framing: Steel pipe, tubing, and shapes. Design framing to minimize vibration during play.
 - a. Dual-Mast Frame: Welded and bolted or clamped with cross bracing.
 - b. Finish: Manufacturer's standard.
- D. Backboard Safety Device: Designed to limit free fall if support cable, support chain, pulleys, fittings, winch, or related components fail; with mechanical automatic reset; 6000-lb < load capacity; one per folding backboard.
 - 1. Retractor Device: Manufacturer's standard device designed to retract both support and safety cables, chains, and straps away from play of the basketball when backboard is in playing position; one per folding backboard.
- E. Backboard Electric Operator: Provide operating machine of size and capacity recommended by manufacturer for equipment specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, and remote controls. Coordinate wiring requirements and electrical characteristics with building electrical system.

1. Operator Type: Cable drum with grooved drum and cable tension device to automatically take up cable slack and retain cable in grooves.
2. Operator Mounting: Wall-mounting board.
3. Motor Characteristics: Sufficient to start, accelerate, reverse, and operate connected loads at designated speeds within installed environment and with indicated operating sequence, and without exceeding nameplate rating or considering service factor. Comply with NEMA MG 1, and the following:
4. Voltage: 120V, Single phase.
5. Horsepower 3/4 hp.
6. Enclosure: Manufacturer's standard.
7. Duty: Continuous duty at ambient temperature of 105 deg F and at altitude of 3300 feet above sea level.
8. Service Factor: 1.0 for totally enclosed motors.
9. Phase: One.
10. Remote-Control Station(s): NEMA ICS 6, Type 1 enclosure for surface mounting, momentary-contact, three-position switch-operated control with up, down, and off functions.
 - a. Group Key Switch Control Stations: One switch per each backboard.
 - b. Keys: Provide one set of dual keys per station.
 - c. Switches, Ganged: Single faceplate with multiple switch cut-outs for two switches operating four backboards.
 - d. Control Station Enclosure: Provide prime-painted metal enclosure with key access with two sets of keys per enclosure.
11. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop basketball equipment at fully retracted and fully lowered positions.

2.3 BASKETBALL EQUIPMENT -

A. Basketball Backboards:

1. Shape and Size:
 - a. Rectangular, 72 by 42 inches width by height.
2. Backboard Material: With predrilled holes or preset inserts for mounting goals, and as follows:
 - a. Glass: Not less than 1/2-inch thick, transparent tempered glass. Provide glass with impact-absorbing resilient rubber or PVC gasket around perimeter in a fully welded, extruded-aluminum frame, with steel subframe, reinforcement, and bracing, including center-strut frame reinforcement, and with mounting slots for mounting backboard frame to backboard support framing.
3. Target Area and Border Markings: Permanently etched in white color, marked in manufacturer's standard pattern and stripe width.
4. Finish: Clear glass

B. Goal Mounting Assembly: Compatible with goal, backboard, and support framing; with hole pattern that is manufacturer's standard for goal attachment.

- C. Basketball Goals: Complete with flanges, braces, attachment plate, and evenly spaced loops welded around underside of ring.
 - 1. Single-Rim Basket Ring Competition Goal: Materials, dimensions, and fabrication per manufacturer's standard design.
 - 2. Mount: Rear.
 - 3. Net Attachment: No-tie loops for attaching net to rim without tying.
 - 4. Finish: Manufacturer's standard finish.
- D. Basketball Nets: 12-loop-mesh net, between 15 and 18 inches long, sized to fit rim diameter, and as follows:
 - 1. Cord: Made from white cotton.
- E. Backboard Safety Pads: Designed for backboard thickness indicated and extending continuously along bottom and up sides of backboard and over goal mounting and backboard supports as per manufacturer's standard design.
 - 1. Attachment: Bolt-on.
 - 2. Color: As selected by Architect from manufacturer's full range.

2.4 VOLLEYBALL EQUIPMENT

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Aalco Model GS-35 Floor Sleeve or a comparable product by one of the following:
 - 1. ADP Lemco Inc.
 - 2. American Athletic, Inc.
 - 3. Porter Athletic Equipment Company.
- B. General: Provide equipment complying with requirements in NFHS's "NFHS Volleyball Rule Book."
- C. Floor Insert: Sleeves shall be 3.562" I.D. DOM steel tubing capped on bottom and extending 9" below the finished floor into a concrete footing. Provide a heavy, cast-bronze cover/access plate applicable for either synthetic or wood floors. Plate shall consist of a mounting ring with a 6" dia. flip-up lid. Lid finish shall be satin (not polished) for traction under foot.
 - 1. Floor Plate: Manufacturer's standard hinged access cover, designed to be flush with adjacent flooring. Provide two tool(s) for unlocking access covers.
- D. Post Standards: Removable, paired volleyball post standards and center post standard for multicourt play as indicated. Adjustable, telescoping height. Designed for easy removal from permanently placed floor insert supports. Fabricated from extruded-aluminum pipe or tubing, with nonmarking plastic or rubber end cap or floor bumper to protect permanent flooring. Finished with manufacturer's standard factory-applied, baked powder-coating finish complying with finish manufacturer's written instructions for surface preparation including pretreatment, application, baking, and minimum dry film thickness or plated metal finish.
 - 1. Nominal Pipe or Tubing Diameter: 4-inch OD at base.

2. Net Height Adjuster: Manufacturer's standard mechanism for height adjustment, complete with fittings; designed for positioning net at heights indicated.
 - a. Net Heights: Between sitting volleyball net height and boys'/men's volleyball net height, 36 and 95-5/8 inches or more.
- E. Net: 32 feet (9.75 m) long and as follows; 1 per pair of paired post standards:
1. Width and Mesh: Competition volleyball net, 39 inches with 4-inch- square[knotless] mesh made of black nylon string.
 - a. Hem Band Edges: White, not less than 2-inch- (50-mm-) wide top, bottom, and side bindings; tie offs at top, bottom and midpoint of each side end of net; end sleeves for dowels; and lines with linkage fittings threaded through top and bottom hems of binding. Provide lengths of lines and linkage fittings as required to properly connect to and set up net for post standard spacing indicated on Drawings.
 - 1) Top Line: Not less than 1/8-inch- diameter, galvanized or coated steel cable.
 - 2) Bottom Line: Not less 1/8-inch- diameter, galvanized or coated steel cable .
 2. Dowels: Not less than 1/2-inch- diameter fiberglass or 1-inch-diameter wood. Provide two dowels per net threaded through each side hem sleeve for straightening net side edges.
 3. Net Antennas: 3/8-inch diameter, high-tensile-strength, extruded fiberglass or plastic rods, 72 inches long, extending above top hem band of net, with alternating white and red bands according to competition rules. Provide two antennas per net.
 - a. Clamps: Designed to secure antenna to top and bottom of net.
 4. Boundary Tape Markers: 2-inch- (50-mm-) wide white strip with sleeve for securing net antenna, secured to net top and bottom with hook-and-loop attachment. Provide two tape markers per net for marking court boundaries.
- F. Net Tensioning System: Designed to adjust and hold tension of net. Fully enclosed, nonslip manufacturer's standard-type winch with cable length and fittings for connecting to net lines, positive-release mechanism, and manufacturer's standard handle. Provide end post with post top pulley. Provide opposing post with welded steel loops, hooks, pins, or other devices for net attachment and post top grooved line guide.
- G. Bottom Net Lock Tightener: Provide manufacturer's standard quick-release-type tension strap, spring-loaded self-locking tensioner, turnbuckle, pulley, or other device and linkage fittings designed to quickly and easily tighten bottom line or net.
- H. Safety Pads: 1-1/4-inch- thick, multiple-impact-resistant manufacturer's standard foam filler covered by puncture- and tear-resistant, not less than 14-oz./sq. yd. PVC-coated polyester, treated with fungicide for mildew resistance, manufacturer's standard fabric cover; with fire-test-response characteristics indicated, and lined with fire-retardant liner. Provide pads with hook-and-loop closure or attachments for the following components:

1. Post Standards: Wraparound style, designed to totally enclose each standard to a height of not less than 72 inches; 1 per post.
 2. Net Lines: Four per net.
 3. Judges' Stands: Designed to totally enclose each unit.
 4. Fabric Cover Flame-Resistance Ratings: Passes NFPA 701, 2018 ED.
 5. Fabric Color: As selected by Architect from manufacturer's full range.
- I. Post Standard Transporter: Manufacturer's standard wheeled unit designed for transporting a single post.

2.5 SAFETY PADS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Aalco Model SWP or a comparable product by one of the following:
1. ADP Lemco Inc.
 2. American Athletic, Inc.
 3. Porter Athletic Equipment Company.
- B. Safety Pad Surface-Burning Characteristics: ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
1. Flame-Spread Index: 26 to 75.
 2. Smoke-Developed Index: 450 or less.
- C. Pad Coverings: Provide safety pad fabric covering fabricated from puncture- and tear-resistant, not less than 14-oz./sq. yd (475-g/sq. m) PVC-coated polyester or nylon-reinforced PVC fabric treated with fungicide for mildew resistance; with surface-burning characteristics indicated, and lined with fire-retardant liner.
- D. Wall Safety Pads: Padded wall wainscot panels designed to be attached in a continuous row; each panel section consisting of fill laminated to backer board with visible surfaces fully covered by seamless fabric covering, free of sag and wrinkles and firmly attached to back of backer board.
1. Backer Board: Not less than 3/8-inch- (9.5-mm-) thick plywood, mat formed, or composite panel.
 2. Fire-Resistive Fill: Multiple-impact-resistant foam not less than 2-inch- thick fire-resistive neoprene, 6.0-lb/cu. ft. density.
 3. Size: Each panel section, 24 inches wide by not less than 72 inches long.
 4. Number of Panel Sections: As indicated modular panel sections.
 5. Installation Method: Concealed mounting Z-clips and 1-inch bottom fabric attachment flange with exposed fasteners.
 6. Fabric Covering Color(s): As selected by Architect from manufacturer's full range for two color(s).
- E. Corner Wall Safety Pads: Wall corner pad consisting of not less than 1-1/4-inch- thick, multiple-impact-resistant, closed-cell polyethylene-foam filler, covered on both sides and all edges by fabric covering with backer board and manufacturer's standard anchorage to wall.

1. Length: Each pad matching length of wall safety pads.
2. Fabric Covering Color(s) As selected by Architect from manufacturer's full range for two color(s).

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for play court layout, alignment of mounting substrates, installation tolerances, operational clearances, accurate locations of connections to building electrical system, and other conditions affecting performance.
 1. Verify critical dimensions.
 2. Examine supporting structure and subfloors and footings below finished floor.
 3. Examine wall assemblies, where reinforced to receive anchors and fasteners, to verify that locations of concealed reinforcements have been clearly marked. Locate reinforcements and mark locations.
 4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written installation instructions and competition rules indicated for each type of gymnasium equipment. Complete equipment field assembly, where required.
- B. Unless otherwise indicated, install gymnasium equipment after other finishing operations, including painting, have been completed.
- C. Permanently Placed Gymnasium Equipment and Components: Rigid, level, plumb, square, and true; anchored securely to supporting structure; positioned at locations and elevations indicated on Shop Drawings; in proper relation to adjacent construction; and aligned with court layout.
 1. Floor Insert Location: Coordinate location with application of game lines and markers and core drill floor for inserts after game lines have been applied.
 2. Floor Insert Elevation: Coordinate installed heights of floor insert with installation and field finishing of finish flooring and type of floor plate.
 3. Operating Gymnasium Equipment: Verify clearances for movable components of gymnasium equipment throughout entire range of operation and for access to operating components.
- D. Floor Insert Setting: Position sleeve in oversized, recessed voids in concrete slabs. Clean voids of debris. Fill void around sleeves with grout, mixed and placed to comply with grout manufacturer's written instructions. Protect portion of sleeve above subfloor from splatter. Verify that sleeves are set plumb, aligned, and at correct height and spacing; hold in position during placement and finishing operations until grout is sufficiently cured. Set insert so top surface of completed unit is flush with finished flooring surface.

- E. Wall and Corner Safety Pads: Mount with bottom edge at 4 inches above finished floor.
- F. Anchoring to In-Place Construction: Use anchors and fasteners where necessary for securing built-in and permanently placed gymnasium equipment to structural support and for properly transferring load to in-place construction.
- G. Connections: Connect automatic operators to building electrical system.
- H. Removable Gymnasium Equipment and Components: Assemble in place to verify that equipment and components are complete and in proper working order. Instruct Owner's designated personnel in properly handling, assembling, adjusting, disassembling, transporting, storing, and maintaining units. Disassemble removable gymnasium equipment after assembled configuration has been approved by Architect, and store units in location indicated on Drawings.

3.3 ADJUSTING

- A. Adjust movable components of gymnasium equipment to operate safely, smoothly, easily, and quietly, free from binding, warp, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and moving parts.

3.4 CLEANING

- A. After completing gymnasium equipment installation, inspect components. Remove spots, dirt, and debris and touch up damaged shop-applied finishes according to manufacturer's written instructions.
- B. Replace gymnasium equipment and finishes that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

3.5 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain gymnasium equipment. Refer to Division 01 Section "Demonstration and Training."

END OF SECTION 11 6623

SECTION 11 6653 - GYMNASIUM DIVIDERS

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. This Section includes gymnasium divider curtains.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. If applicable, include assembly, disassembly, and storage instructions for removable equipment.
 - 2. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Samples for Initial Selection: For each type of gymnasium divider curtain fabric indicated.
- D. Samples for Verification: For divider curtain fabric, not less than 12 inches square of open mesh, and of opaque fabric.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Structural analysis data signed and sealed by the qualified professional engineer responsible for their preparation including loads, point reactions, and locations for attachment of gymnasium dividers to structure.
- C. Product Certificates: For each type of gymnasium divider, signed by product manufacturer.
- D. Warranty: Special warranty specified in this Section.

1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For gymnasium dividers to include in emergency, operation, and maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Fabricator of products.
- B. Source Limitations: Obtain each type of gymnasium divider from a single manufacturer.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install gymnasium dividers until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Verify position for gymnasium dividers.

1.8 COORDINATION

- A. Coordinate installation of overhead-supported gymnasium dividers and suspension system components with other construction including light fixtures, HVAC equipment, fire-suppression-system components, and partition assemblies.

1.9 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of gymnasium dividers that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, faulty operation of gymnasium dividers.
 - 2. Warranty Period: 5 (Five) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 - 1. Extruded Bars, Profiles, and Tubes: ASTM B 221.
 - 2. Cast Aluminum: ASTM B 179.
 - 3. Flat Sheet: ASTM B 209.
- B. Steel: Comply with the following:
 - 1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.

2. Steel Tubing: ASTM A 500 or ASTM A 513, cold formed.
 3. Steel Sheet: ASTM A 1011/A 1011M.
- C. Support Cable: 1/4-inch- diameter galvanized steel aircraft cable [with a breaking strength of 7000 lb]. Provide fittings complying with cable manufacturer's written instructions for size, number, and method of installation.
 - D. Support Chain and Fittings: Grade 80 hardened alloy steel chain rated for overhead lifting, ASTM A 391/A 391M, with commercial-quality, hot-dip galvanized steel connectors and hangars.
 - E. Castings and Hangers: Malleable iron, ASTM A 47/A 47M, grade required for structural loading.
 - F. Anchors, Fasteners, Fittings and Hardware: Manufacturer's standard corrosion-resistant or non-corrodible units; concealed; tamperproof, vandal- and theft-resistant design.

2.2 DIVIDER CURTAINS

- A. Basis-of-Design Product: Aalco model VSCM Fold-Up curtain. Subject to compliance with requirements, provide or a comparable product by one of the following:
 1. Aalco Manufacturing.
 2. ADP Lemco Inc.
 3. American Athletic, Inc.
 4. Arizona Courtlines, Inc.
 5. Basketball Products International; a division of American Athletic, Inc.
 6. Douglas Industries, Inc.
 7. Draper Inc.
 8. Institutional Products Inc.
 9. Jaypro Sports, LLC.
 10. Performance Sports Systems.
 11. P. W. Athletic Mfg. Co.
 12. Revere Plastics, Inc.
- B. Divider Curtains: Electrically operated, fold up, and as follows:
 1. Upper Curtain, Mesh: 50% open vinyl-coated polyester screen, light gray in color for maximum transparency.
 2. Lower Curtain, Solid: Polyester reinforced vinyl fabric of 300 lbs/in tensile strength and 100 lbs tear, 18 oz./sq. yd, embossed, 10-foot height above floor.
 - a. Curtain shall be rot and mildew resistant.
 - b. Fabric Color(s): As selected by Architect from manufacturer's full range for color(s).
 3. Divider Curtain Flame-Resistance Ratings: Passes NFPA 701, 2018 ED. inherently and permanently flame resistant.

- a. Permanently attach label to each fabric of curtain assembly indicating whether fabric is inherently and permanently flame resistant or treated with flame-retardant chemicals, and whether it will require retreatment after designated time period or cleaning.
- C. Curtain Fabrication: Fused seams and the following:
 1. Top Hem: Reinforce with double thickness mesh for continuous pipe batten.
 2. Bottom Hem for Fold-up Curtains: Floor-length curtains with hems 2 inches above finished floor and with manufacturer's standard pipe batten with felt padding in pocket.
- D. Accessories:
 1. Grommets: Manufacturer's standard size and spacing, for snaps or S-hooks.
 2. Proof Coil Chain: Grade 30, No. 8, zinc plated, 3/16 inch, ASTM A 413/A 413M.
 3. Curtain Battens: Fabricate battens from steel pipe with a minimum number of joints. As necessary for required lengths, connect pipe with drive-fit pipe sleeve not less than 18 inches long, and secure with 4 flush rivets, plug welds, threaded couplings, or another equally secure method. Shop-paint completed pipe battens with black paint.
 - a. Steel Pipe: ASTM A 53/ A 53M, Grade A, standard weight (Schedule 40), black, 1-1/2-inch nominal diameter, unless otherwise indicated.
- E. Divider Curtain Operator: Upward folding, cable suspended.
 1. Raising of the fold-up curtain shall be by hoist lines of 1/8" - 7x19 aircraft cable, spaced at uniform intervals not exceeding 10' across the width of the curtain. Each line shall secure to the bottom batten and weave upward through the curtain, through #5 rolled-edge spur-grip grommets at 18" vertical intervals so as to accordion-fold the curtain as the lines are taken up. At the ceiling the hoist lines shall wind onto individual reels spindles on a common tubular-steel drive shaft running the length of the curtain.
- F. Divider Curtain Electric Operator: Provide operating machine of size and capacity recommended by manufacturer for equipment specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, and remote controls. Coordinate wiring requirements and electrical characteristics with building electrical system.
 1. Operator Type: Electric motor, v-belt drive, worm-gear reduction drive.
 2. Motor Characteristics: Sufficient to start, accelerate, reverse, and operate connected loads at designated speeds within installed environment and with indicated operating sequence, and without exceeding nameplate rating or considering service factor. Comply with NEMA MG 1, and the following:
 3. Voltage: 120 V NEMA standard voltage selected to operate on nominal circuit voltage to which motor is connected.
 4. Horsepower: 3/4 hp, overload protected.
 5. Enclosure: Manufacturer's standard.
 6. Duty: Continuous duty at ambient temperature of 105 deg F and at altitude of 3300 feet above sea level.
 7. Service Factor: 1.15 for open dripproof motors; 1.0 for totally enclosed motors.
 8. Phase: One.

9. Unit shall be mechanically interconnected to a hoist-mounted, pre-wired rotary control travel limiting mechanism, which shall be pre-wired and mounted as an integral part of the winch. Separate housing shall allow easy set of both upper and downward limits of motion.
10. Remote-Control Station(s): NEMA ICS 6, Type 1 enclosure for surface mounting, momentary-contact, three-position switch-operated control.
 - a. Keys: Provide two key(s) per station.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for alignment of mounting substrates, installation tolerances, operational clearances, accurate locations of connections to building electrical system, and other conditions affecting performance.
 1. Verify critical dimensions.
 2. Examine supporting structure.
 3. Examine wall assemblies, where reinforced to receive anchors and fasteners, to verify that locations of concealed reinforcements have been clearly marked. Locate reinforcements and mark locations.
 4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written installation instructions. Complete field assembly, where required.
- B. Unless otherwise indicated, install gymnasium dividers after other finishing operations, including painting, have been completed.
- C. Gymnasium Dividers and Components: Rigid, level, plumb, square, and true; anchored securely to supporting structure; positioned at locations and elevations indicated on Shop Drawings; in proper relation to adjacent construction; and aligned with court layout.
 1. Verify clearances for movable components of gymnasium dividers throughout entire range of operation and for access to operating components.
- D. Anchoring to In-Place Construction: Use anchors and fasteners where necessary for securing gymnasium dividers to structural support and for properly transferring load to in-place construction.
- E. Connections: Connect automatic operators to building electrical system.

3.3 ADJUSTING

- A. Adjust movable components of gymnasium dividers to operate safely, smoothly, easily, and quietly, free from binding, warp, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Lubricate hardware and moving parts.

3.4 CLEANING

- A. After completing gymnasium divider installation, inspect components. Remove spots, dirt, and debris and touch up damaged shop-applied finishes according to manufacturer's written instructions.
- B. Replace gymnasium divider components and finishes that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

3.5 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain gymnasium dividers. Refer to Section 017900 "Demonstration and Training."

END OF SECTION 11 6653

SECTION 12 2413 – MANUAL ROLLER SHADES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Manually operated, roll-up fabric interior window shades including mounting and operating hardware.

1.2 RELATED SECTIONS

- A. Section 05 4000 – Lightgage Metal Framing: Backing and grounds for mounting roller shades and accessories.
- B. Section 09 2900 - Gypsum Board: Coordination with gypsum board assemblies for installation of shade pockets, closures and related accessories.
- C. Section 09 5113 - Acoustical Panel Ceilings: Coordination with acoustical ceiling systems for installation of shade pockets, closures and related accessories.

1.3 REFERENCES

- A. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
- B. NFPA 701, 2018 ED. - Fire Tests for Flame-Resistant Textiles and Films.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 3300.
- B. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
 - 3. Storage and handling requirements and recommendations.
 - 4. Mounting details and installation methods.
- C. Shop Drawings: For each typical condition, show plan, elevation, sections, product details, installation details, operational clearances, and relationship to adjacent work.
- D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings and include opening sizes and key to typical mounting details.
- E. Selection Samples: For each finish product specified, one set of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.
- F. Verification Samples: For each finish product specified, one complete set of shade

components, unassembled, demonstrating compliance with specified requirements. Shadecloth sample and aluminum finish sample as selected. Mark face of material to indicate interior faces.

- G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware and controls.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.
- B. Installer Qualifications: Installer trained and certified by the manufacturer with a minimum of ten years in the window covering business in the State of New Mexico or State of Texas with a minimum of ten years experience in installing products comparable to those specified in this section. Installer must have completed a minimum of 10 comparable projects.
- C. Fire-Test-Response Characteristics: Passes NFPA 701, 2018 ED. small and large-scale vertical burn. Materials tested shall be identical to products proposed for use.
- D. Anti-Microbial Characteristics: 'No Growth' per ASTM G 21 results for fungi ATCC9642, ATCC 9644, ATCC9645.
- E. Mock-Up: Provide a mock-up (manual shades only) of one roller shade assembly for evaluation of mounting, appearance and accessories.
 - 1. Locate mock-up in window designated by Architect.
 - 2. Do not proceed with remaining work until, mock-up is accepted by Architect.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in factory-labeled packages, marked with manufacturer and product name, fire-test-response characteristics, and location of installation using same room designations indicated on Drawings and in the Window Treatment Schedule.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Install roller shades after finish work including painting is complete and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

1.8 WARRANTY

- A. Roller Shade Hardware and Chain Warranty: Manufacturer's standard non-depreciating twenty-five year limited warranty.
- B. Standard Shadecloth: Manufacturer's standard twenty-five year warranty.
- C. Roller Shade Installation: One year from date of Substantial Completion, not including scaffolding, lifts or other means to reach inaccessible areas.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Draper, Inc., which is located at: 411 S. Pearl P. O. Box 425 ; Spiceland, IN 47385-0425; Toll Free Tel: 800-238-7999; Tel: 765-987-7999; Web: www.draperinc.com
- B. Acceptable Manufacturer: MechoShade Systems, Inc.; 42-03 35th Street, Long Island City, NY 11101. ASD. Tel: (718) 729-2020. Fax: (718)729-2941.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 6300.

2.2 ROLLER SHADE TYPES

A. MANUALLY OPERATED WINDOW SHADES: Manually Operated Window Shades with Independent Control: Manually operated, vertical roll-up, fabric window shade with components necessary for complete installation; Manual FlexShade XD as manufactured by Draper, Inc.

1. Operation: Bead chain and clutch operating mechanism allowing shade to stop when chain is released. Designed never to need adjustment or lubrication. Provide limit stops to prevent shade from being raised or lowered too far.
 - a. Clutch mechanism: Fabricated from POM thermoplastic with welded 0.354 inch (9 mm) primary steel post with rotational bearing, overrunning design, and positive mechanical engagement of drive mechanism to tube. White or Black color as selected by Architect. Center bead chain placement for right or left hand operation and accommodates side channel with no adjustment of chain location.
 - b. Bead chain loop: Stainless steel bead chain.
 - c. Bead Chain Hold Down: P-Clip.
2. Rollers: Extruded aluminum roller tube of appropriate diameter to support shade fabric with minimal deflection.
 - a. Minimum Roller Tube Diameter: 1.56 inches (40 mm).
 - b. Fabric Connection to Roller Tube: Spline fabric/roller attachment system to allow shade fabric to be removed from roller without having to remove roller from brackets.
 - c. Fabric Length: 6 inches (152 mm) greater than window height minimum.
 - d. Bottom Slat: 13/16 inch (20.6 mm) aluminum dowel, encased in bottom hem with heat sealed ends.
 - e. Orientation: Regular from back of roller.
3. Mounting:
 - a. Endcaps and headbox.
4. Endcaps: Stamped steel with universal design suitable for mounting to ceiling, wall, and jamb. Provide size compatible with roller size.
 - a. Endcap covers: To match fascia or headbox color.
 - b. Mounted to jamb.
5. Headbox Ceiling/Wall style: Aluminum fabrication with removable closure, endcaps, and back and top cover piece:

- a. Finish: Powder coat to match aluminum frame.

2.3 FABRIC

1. Exterior windows: Series SW2703 SheerWeave: Duplex basketweave fabric—
 - a. Light exterior color combined with dark interior color for thermal comfort and view-through.
 - b. GREENGUARD Children & Schools certified as a low emitting fabric. Manufacturer to supply GREENGUARD Children & Schools certificate.
 - c. Fire rating: NFPA 701.
 - d. 3 percent open.
2. Interior windows (unless noted on drawings): Series SW7100 SheerWeave: PVC Coated Fiberglass laminated with a 2-ply PVC Film
 - a. GREENGUARD Children & Schools certified as a low emitting fabric. Manufacturer to supply GREENGUARD Children & Schools certificate.
 - b. Fire rating: NFPA 701
 - c. 0 percent open

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window shades.
- B. Coordinate requirements for power supply conduit, and wiring required for window shade motors and controls.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install roller shades level, plumb, square, and true. Allow proper clearances for window operation hardware.
- C. Conceal and shorten all exposed wiring for motorized units from view.

3.4 TESTING AND DEMONSTRATION

- A. Demonstrate operation of shades to Owner's designated representatives.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 12 2413

SECTION 12 6600 – TELESCOPING STANDS

1. WORK INCLUDED

- a. Manufacture, deliver and install Telescopic Seating Systems in accordance with applicable codes, the following specifications, and approved drawings.

2. RELATED WORK BY OTHERS

- a. Adequate floor levelness and strength for operation of telescopic seating.
- b. Adequate wall strength for attachment and operation of wall attached telescopic seating.
- c. Electrical wiring within the building as required for power operated telescopic seating.

3. SYSTEM DESCRIPTION

- a. Telescopic seating system shall be multiple tiered seating rows comprised of seat and deck components, risers, and supportive understructure.
- b. Telescopic seating shall be operable on the telescopic principle, stacking vertically in minimum floor area when not in use.
- c. The first moving row, on manual sections, shall be secured with release lever. All other rows shall be mechanically locked, operable only upon unlocking and cycling of first row. Power sections shall be secured with mechanical locks as well as the power system, operable upon activating the pendant control.

4. QUALITY ASSURANCE

- a. DESIGN LOAD CRITERIA (STRUCTURAL): International Building Code Standard: Comply with requirements of IBC / ICC 300, Chapter 4 "Standard for Bleachers, Folding and Telescopic Seating and Grandstands Assembly Seating", except where other requirements are indicated by the architect/owner.
- b. Manufacturer: Company specializing in telescopic seating with a minimum of 25 years experience in manufacturing telescopic seating.
- c. Quality Standards: Manufacturer to be I.S.O. 9001:2008 certified.
- d. Engineer Qualifications: Manufacturer to employ a registered, licensed Professional Engineer to certify that the equipment to be supplied meets or exceeds the design criteria of this specification.
- e. Installation: Shall be handled directly by the manufacturer or by a factory certified installation subcontractor.
- f. Product Liability: Certification of insurance coverage of not less than \$5,000,000.
- g. Welding Processes: To be performed by certified professional welding operators in accordance with American Welding Society, (AWS), D1,1 "Structural Welding Code-Steel."
- h. Product Improvements: Equipment provided shall incorporate manufacturer's design improvements and materials current at time of shipment, provided that such improvements and materials are consistent with the intent of these specifications.

5. SUBMITTALS

a. BID SUBMITTALS

- i. Manufacturer's descriptive literature and specifications.
- ii. List of deviations from these specifications, if any.
- iii. Certification of Insurance.
- iv. I.S.O. 9001:2008 Certification.

b. JOB SUBMITTALS

- i. Shop Drawings showing all equipment to be furnished with details of accessories to be supplied including necessary electrical service to be provided by others. All electrical submittals must include U.L. listing number.

- ii. Samples of material and color finish as requested by Architect.
- iii. Warranty, operation and maintenance instructions to the owner upon completion.
- iv. Indicate telescoping gym seat assembly layout. Show seat heights, row spacing and rise, aisle widths and locations, wheelchair seating areas assembly dimensions, anchorage to supporting structure, material types and finishes.

6. DESIGN CRITERIA

- a. Telescopic seating shall be designed to support, in addition to its own weight, and the weight of added accessories, a uniformly distributed live load of not less than 100 lbs. per sq. ft. (4.8 kN per sq. m.) of gross horizontal projection. Seat boards and footrest shall be designed for a live load of not less than 120 lbs. per linear foot (1.751 kN per linear m).
- b. Sway force applied to seats shall be 24 lbs. per linear ft. (350 N per linear m.) parallel to the seats and 10 lbs. per linear ft. (146 N per linear m.) perpendicular to the seats. Sway forces shall not be considered simultaneously applied.
- c. Railings, posts and sockets designed to withstand the following forces applied separately.
- d. Handrails shall be designed and constructed for:
 - i. A concentrated load of 200 lbs. (890 N) applied at any point and in any direction.
 - ii. A uniform load of 50 lbs. per ft. (730 N/m) applied in any direction. The concentrated and uniform loading conditions shall not be required to be applied simultaneously.
- e. Guards shall be designed and constructed for:
 - i. A concentrated load of 200 lbs. (890 N/m) applied at any point and in any direction along the top railing member and; a uniform load of 50 lbs. per ft. (730 N/m) applied horizontally at the required guardrail height and simultaneous uniform load of 100 lbs. per ft. (1460 N/m) applied vertically downward at the top of the guardrail. The concentrated and uniform loading conditions shall not be required to be applied simultaneously.
- f. American Institute of Steel Construction (AISC), American Iron and Steel Institute (AISI) and Aluminum Association (AA) design criteria shall be the basis for calculation of member sizes and connections.
- g. Wood members shall be designed in accordance with National Forest Products Association, (NFOPA), and National Design Specification for Wood Construction.

7. WARRANTY

- a. The manufacturer shall warrant all work performed under these specifications to be free of defects for a period of five years.
- b. Any materials found to be defective within this period will be replaced at no cost to the owner. This warranty shall not include replacements required by Acts of God, war, vandalism, flood, fire, calamity or deliberate abuse or misuse of the equipment.

8. ACCEPTABLE MANUFACTURERS

- a. All seating shall be the Irwin Model 4500 as manufactured by Irwin Seating Company, Altamont, IL 62411 or equal, subject to prior approval and strict compliance with these specifications.

9. MATERIALS

a. Seating Area: UPDATE UPON FINAL DESIGN

- i. **Group 1 – Fixed Seat Modules on Concrete Risers:**

1. 109 Feet Long, 9 Rows High (plastic seat modules mounted to concrete risers)

2. Dimensions:

a. Row Spacing: 24 Inches

b. Rise per row: 15 Inches

c. NOTE: Plastic seat modules are 10" deep x 18" wide. Provide 558 total modules.

b. Accessories:

- i. Aisles shall be footrest level 48 inches wide. Aisles at the footrest level shall have non-slip treads on the top front edge.
- ii. Intermediate aisle steps shall be provided. Steps are permanently attached closed design. Steps shall be constructed from 14 ga. steel, finished in a Black powder coated epoxy, and designed to eliminate any possible toe catch between the top of the intermediate step and the bottom of the nose beam per ADA or other applicable codes. Front step shall be removable and interlock to the front row eliminating any possibility of accidental disengagement, and store on the front row when not in use.

c. Aisle handrails.

- i. Smart Rail aisle handrails shall be provided for 22" to 26" row spacing. Aisle railings shall quickly and easily rotate 90 degrees to the locked position and store parallel to the front of the aisle. Railings that require removal from the pocket or the use of tools for storage will not be acceptable. Aisle railings shall be an individual rail design, located on every other row starting at row two (2). Railing to be constructed of 1 1/2" 11 ga. round steel tubing, finished in a textured powder coated epoxy. For safety, railings designed without a full return of the handrail will not be acceptable.

d. Wheel Chair Seating Areas.

- i. Permanent wheel chair spaces shall be provided at the section joint location or section length as shown on plans. Permanent notches to have a Panelam closure panel to eliminate any open areas under the system. Closure panels to support row two eliminating damage to the understructure or the need for front railings.

e. End rails.

- i. End rails of the self-storing type, finished with textured epoxy powder-coated black enamel, shall be provided at the open ends of the group. End rails shall start at row three and meet all national building codes. Railings with flexible uprights that can be expanded beyond the 4" sphere are not acceptable.

f. End panels of plywood and supports shall be provided to enclose the open ends of the group in the closed position. End panels shall enclose the space between the wall and the back of the self-storing end rails. Finish to match deck panels.

g. Vinyl end curtain closures.

- i. Vinyl end curtains with custom graphics shall be provided to limit unauthorized access to the underside of the telescopic system. Curtain to be one piece design shaped to follow the angle of the telescopic unit in the open position, and constructed of a sturdy vinyl material with sewn-in grommets for attachment. Each curtain shall include full custom graphics as selected by the architect/owner.

- h. Full width back panels for portable, forward fold or freestanding units shall be provided. Panels shall extend to 8' above the floor with a sturdy vinyl curtain material extending to the underneath side of the last row seat. Finish to match deck panels. Aluminum trip to be supplied for finishing all exposed ends. Curtains to be selected from manufacturer's standard colors. Plywood shall be supported along the front and back edge for maximum rigidity. Plywood with clear or painted finish is unacceptable.
- i. Rear rails, 42" high for portable and moveable units with tubular supports to fill design criteria, shall be provided. Rails to be mounted behind the rear seat and extend the full length of the seating section. Railings to be finished in textured powder coated epoxy.

10. FABRICATION

a. Understructure System:

- i. Steel supports and rolling frames shall be constructed of formed steel shapes of the size and shape necessary to support the design loads. All support bracing shall begin at Row 2 and be of diagonal or "knee" type for rigidity. Diagonal bracing to be a "U" shaped formed steel channel. Angle iron or "X" type bracing is unacceptable.
- ii. Wheels shall not be less than 4" diameter x 1" non-marring soft rubber face to protect wood or synthetic floor surfaces. Each operating row shall have a minimum of 8 wheels.
- iii. Each fully skirted wheel channel shall be continuously in contact with adjacent channels by nylon guides, to eliminate metal-to-metal contact, and non-binding Quadra-Link guide rods to provide alignment when opening and closing. Wheel channels do not required either at time of installation or periodically.
- iv. Each cantilever arm shall be triple-formed 10-gauge steel, securely welded to the post assembly and contain non-binding Quadra-Link interlocks with each row post assembly. Each post assembly shall include a 1 3/16" wide x 3/4" nylon roller to enhance the overall operation and provide proper load support. Roller to be connected using a 3/8" diameter pin. Cantilevers not properly supported with a roller design will not be acceptable. Cantilevers do not require lubrication at time of installation or periodically.
- v. Vertical columns shall be high tensile steel structural tube to meet design criteria. Minimum column size to be 1 1/2" by 3" 11-gauge structural tube, and include 360 degrees of weldment to the wheel channel.
- vi. Deck supports shall be bolted to the rear beam, nose and decking with locking hardware.

b. Seat Systems:

- i. Infinity Seat: Supply plastic modular 18" individual seats in either 10" or 12" deep models. Seating to be scuff resistant injection molded high density polyethylene plastic.

Select: 10" Infinity Seat to be supplied

- a. Seat modules supplied shall be of a high aesthetic design using multiple textures, style lines and a waterfall front. The rear of the seat shall be slightly curved to eliminate the straight line appearance and include a moderate seat contour and texture to enhance spectator comfort.

- b. Seating design shall be molded to achieve a finished end appearance without the use of end caps. The rear of the seat

shall include a smooth wall allowing for the deck to be easily swept clean without obstruction.

- c. Seat heights shall be maintained at a minimum of 16 3/4".

Lower seat heights which detour from spectator comfort will not be accepted.

- d. Foot space shall be maximized for spectator comfort and provide a minimum of 22" when measured with a 10" module and 21" with a 12" module.

- e. Each seat shall have the capability of using seat numbers and row letters at the aisle locations. Seat numbers to be stylishly designed using a radius corner to enhance the aesthetic value of the seat. Seat numbers and row letters shall be recessed into the seat to protect against any vandalism.

- f. Supply Infinity Seat with a custom end-seat logo. Seat ends at the aisle location shall include a graphic design or school logo recessed within the seat end. Graphics to be digitally printed and secured using mechanical fasteners.

- g. Select seating colors from manufacturer's 15 standard colors. Custom colors available as an option.

- h. Securely fasten each seat to the nose beam using a 10-gauge formed steel bracket and locking hardware. Adjacent seating shall be interlocked together along the full perimeter eliminating any fore or aft movement or the potential of any pinching hazard.

- i. Seat modules shall be designed to support a uniform load of 600 lbs per seat and a concentrated load of 150 lbs over 4 square inches.

c. Deck System:

- i. Panelam Decking:

Decking shall have a 0.030 (30 thousandths) high density polyethylene overlay, permanently bonded over 5-ply structural western fir plywood in strict compliance with U.S. Product Standard PS 195. Finish thickness to be 5/8". Polyethylene finish to be textured grey or beige. Plywood shall be supported along the front and back edge for maximum rigidity and designed in a manner that allows 3 plies to run front to back for increased deck strength. Each plywood panel shall be connected using a tongue and groove splice leaving the deck clean and free of any tripping or cleaning obstructions. Plywood with clear or painted finish is unacceptable. Decking shall be through-bolted to steel supports with locking hardware. Decking attached by the use of self-tapping fasteners or retained by friction only is unacceptable.

d. Nosing:

- i. Nosing shall be one piece, formed, 14-gauge steel with a minimum G-60 pre-galvanized finish. (Recommended with Infinity or BlowMold seat modules)

e. Rear Risers:

- i. Rear riser shall be one piece, formed, 14-gauge steel with a minimum G-60 pre-galvanized finish. (Recommended with Infinity or BlowMold seat modules)
- f. Formed Steel Deck Support Members: Support members shall be double formed 10-gauge steel and connect the front nosing and rear riser members. Each deck support shall include a 1 1/2" wide x 3/4" nylon roller to enhance the overall operation and provide proper load support. Roller to be connected using a 3/8" diameter pin. Cantilevered rollers supported on 1 side only which can bend under occupant load will not be acceptable. Deck supports shall provide support for the decking, throughout its length, and at intermediate locations to limit deflection. Deck supports to have a maximum spacing of 60" up to 26" row spacing, and 40" up to 33" row spacing.
- g. Finish:
 - i. For rust resistance in standard or humid conditions all painted surfaces shall be finished in textured Epoxy Powder Coated Semi-Gloss Black.

11. PROPULSION SYSTEM

- a. FRICTION POWER: Integra Drive System (IDS) shall be furnished on each seating group to open and close the telescopic units. Each individual section shall include 2 IDS friction drive systems integrated into the first moving row of understructure to achieve smooth and efficient operation. Operation of the seating shall be accomplished with the use of a walk along pendant control.
 - i. Each IDS power system shall include large 6 1/2" diameter friction rollers to develop tractive force adequate to open and close the system. Each roller to include non-marring 1/2" thick rubber covering.
 - ii. Electrical motors for each section shall be heavy-duty and high efficiency gear reduction motors. The shaft diameter for the gear motor and rollers shall be a minimum of 1" and be connected by a 1" schedule 40 drive shaft.
 - iii. All roller chain and sprockets used throughout the drive system shall be a minimum of #40 in size. Each drive unit shall be designed to include a safety shroud around the chain and sprocket for overall safety, and to protect the floor surface should a chain failure occur.
 - iv. The power units shall develop tractive forces adequate to operate the seating units under normal conditions but inadequate to operate should significant obstacles be encountered.
- b. Manufacturer shall provide all wiring from power source within bleacher seating including pendant control. Removable pendant control shall be hand held with forward and reverse button, plugging into a single receptacle. Electrical contractor shall provide a 60 HZ power source (as specified below) behind each group of seating. Amperage to be as specified by seating manufacturer depending on the number of power units required. For wall-attached installations, power source to terminate in a surface mounted junction box above floor. For reverse units; power source to terminate in a junction box, flush mounted under first seating row in center of group. Electrical contractor shall perform the connections to the seating equipment at the junction box. All electrical parts and wiring shall be installed in complete accord with the National Electric Code. U.L. Listing #E168517.
 - i. Supply power system with 208/230V, 5 wire 3-phase system.

12. REVIEWS AND APPROVALS

- a. Shop drawings shall be approved and job site field measurements taken prior to installation and telescopic gym seating shall be installed in conformance therewith.

13. INSTALLATION

- a. The installation of the telescopic gym seating will be handled directly by the manufacturer or by a factory authorized installation subcontractor qualified to perform the installation function.

14. PROTECTION

- a. The manufacturer's representative shall transmit instructions in both operation and maintenance to the owner.
- b. Maintenance and operation of the telescopic gym seating shall be the responsibility of the owner or his duly authorized representative, and shall include the following:
 - i. During operation of the telescopic gym seating, the opening and closing shall be supervised by responsible personnel who will assure that the operation is in accordance with the manufacturer's instructions.
 - ii. Only attachments specifically approved by the manufacturer for the specific installation shall be attached to the telescopic gym seating.
 - iii. An annual inspection and required maintenance of all telescopic gym seating shall be performed to assure safe conditions. At least bi-annually, the inspection shall be performed by a Professional Engineer or factory service personnel.
- c. Irwin Telescopic Seating Company constantly strives to improve its product and manufacturing methods; therefore, it reserves the right to make changes without notice which, in the opinion of Irwin Seating Company, shall improve the product.

END OF SECTION 12 6600