



## Features and Benefits Overview

### Introduction

AutoMATE Food Facility Design Software is for anyone involved in the design or layout of Commercial Foodservice Facilities - Foodservice Consultants and Designers, Equipment Dealers and Contractors, Facility Planners, and others. If your work includes the design of foodservice facilities or the preparation of construction documents for foodservice facility construction, AutoMATE will help you save time and improve your drawing accuracy.

AutoMATE is a mature, purpose-specific design program that has provided a full-featured design environment for food facility designers for almost 20 years. Developed by a food facility design professional, AutoMATE works the way you do, using the terminology and techniques you are familiar with.

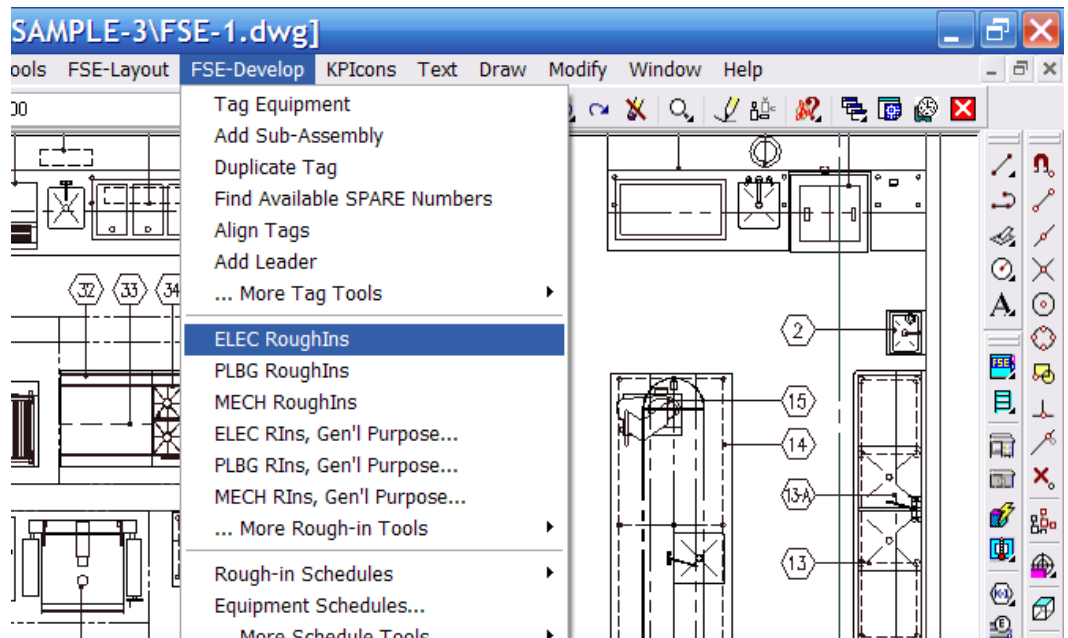
AutoMATE provides an extensive suite of tools for creating a complete set of Contract Documents for foodservice facilities. Tools that begin with Project Creation and extend through all phases of your work - Schematic Design, Design Development, Contract Documents - including dimensioned rough-ins and specifications - and Construction Phase Review and Management.

### Feature Summary

Following is an overview of some of the features found in AutoMATE. But AutoMATE includes over almost 1000 highly specialized tools - too many to describe here. Others can be found at [www.automate-online.com](http://www.automate-online.com).

### Basic Features

- Easy to learn and use - Intuitive, ergonomic menu design - logical command arrangement.
- Industry-specific menu and command structure - command names are based on typical food facility design tasks.

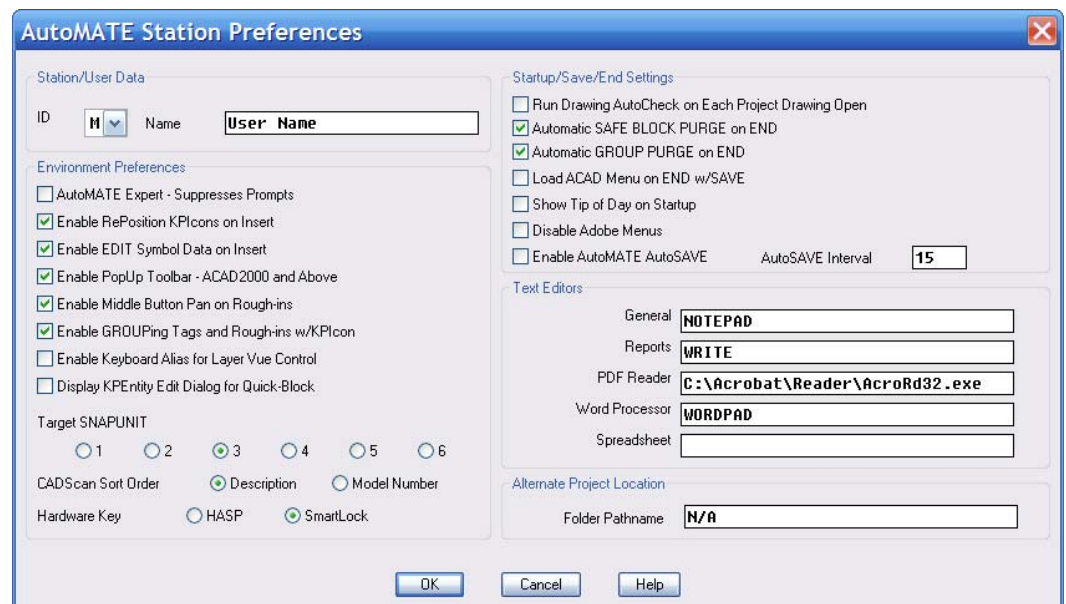


- Complete project file management system - folder system supports both single and multi-facility projects - can be expanded by users to automatically create additional folders for PDFS, CORRESPONDENCE, IMAGES, etc., which are automatically created for every new project.
- Built-in support for XRefs - drawing CleanUp tools to quickly edit an architect's drawing leaving only the layers and entities you need - converts architect's layers to standard FEDA/AutoMATE layers.
- Works equally well in Imperial - feet-and-inches - or Metric.
- 2D - 3D option can be set as your default or can be applied on a drawing-by-drawing basis.
- Automatic creation of paper space layouts for each sheet - users have the ability to select layouts on a project-by-project basis and to expand the standard AutoMATE layout system.
- Automatic sheet setup - standard **A** thru **F** sizes or add your own custom paper sizes.
- Automatic title sheets and annotation - automatically fill in project name and description, drawing sheet content, and sheet numbers.
- Automatic Layer Management - all commands automatically set layer states depending on content - users can modify the standard AutoMATE Layer Views and even add their own.
- Works on any version of AutoCAD from Release 2002 through 2010, any version of Windows from WinXP through Windows7.

### Customize AutoMATE to Your Own Standards

While the standards used in AutoMATE are based on industry "best practice" and procedures typically used by many food facility designers, AutoMATE includes scores of User Preferences let you select how your drawings will be created and presented.

- Set local Station Preferences to accommodate each user's work habits; For network installations, set company-wide System Preferences to insure drawing uniformity and consistency.



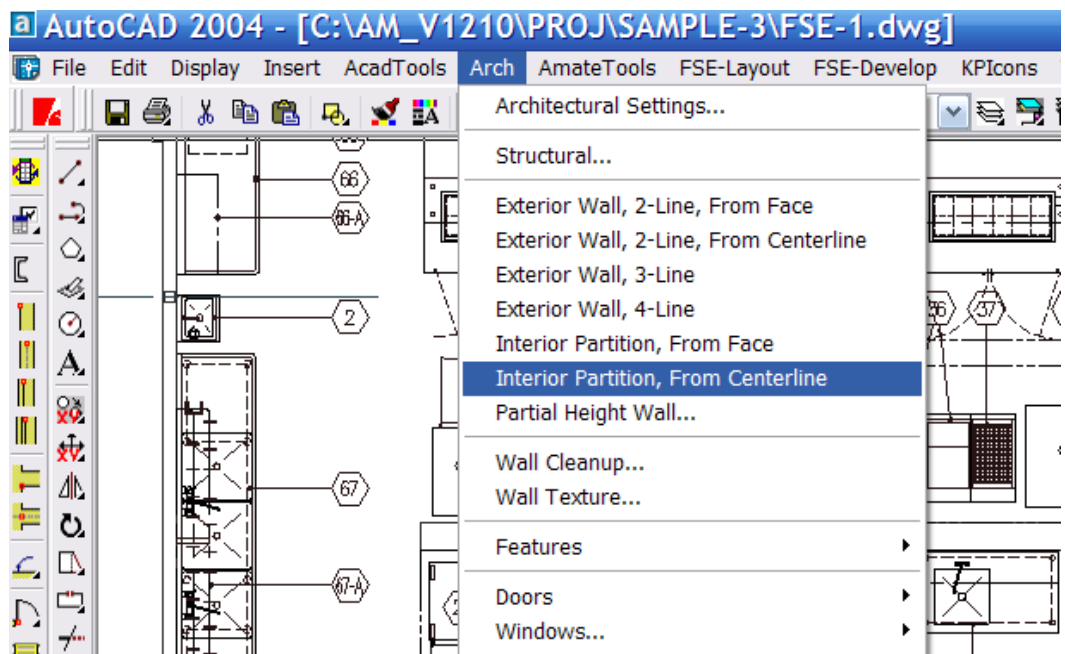
- Set dimension defaults and design standards for custom-fab, walk-in coolers, exhaust hoods, and other assemblies.
- Create your own Equipment Schedule Templates, selecting both content and sequence of that content.

- Set the FEDA-AutoMATE Layers to the colors of your choice
- Set the AutoMATE Text Styles so that all Schedules, Notes, Tags, and other Text elements look just the way you want - use a Hand Lettering style, TrueType Fonts for a more technical look, or any other font style supported by AutoCAD.
- Select your own default Tagging and Dimension Styles - choose from a wide range of targets (balloons) and tagging systems. AutoMATE can even automatically leave 'Spare Numbers' on the frequency you set.
- Set Phrases used in Schedules, Notes, Title Blocks, and other text objects to your preferences - from long complex terms such as "FLOOR SINK, THREE-QUARTER GRATE" to the option of "&" or "AND" in schedules and notes.
- Select from optional Rough-in Symbols and Rough-in annotation.

### Full Set of Architectural Tools

Although architectural backgrounds are furnished by the architect on most projects today, AutoMATE includes a full set of architectural commands that can be used to modify these layouts as required, or to draw the complete wall arrangement from scratch.

- The wall commands can include 2-, 3- and 4-line self-mitering wall commands - includes both interior and exterior walls.
- Door commands - single and double Leaf, cased openings, folding doors, pocket doors, etc. - all with automatic wall-break.
- Window commands - single and multi-section, curtain walls, pass thru openings, etc. - with automatic wall-break.

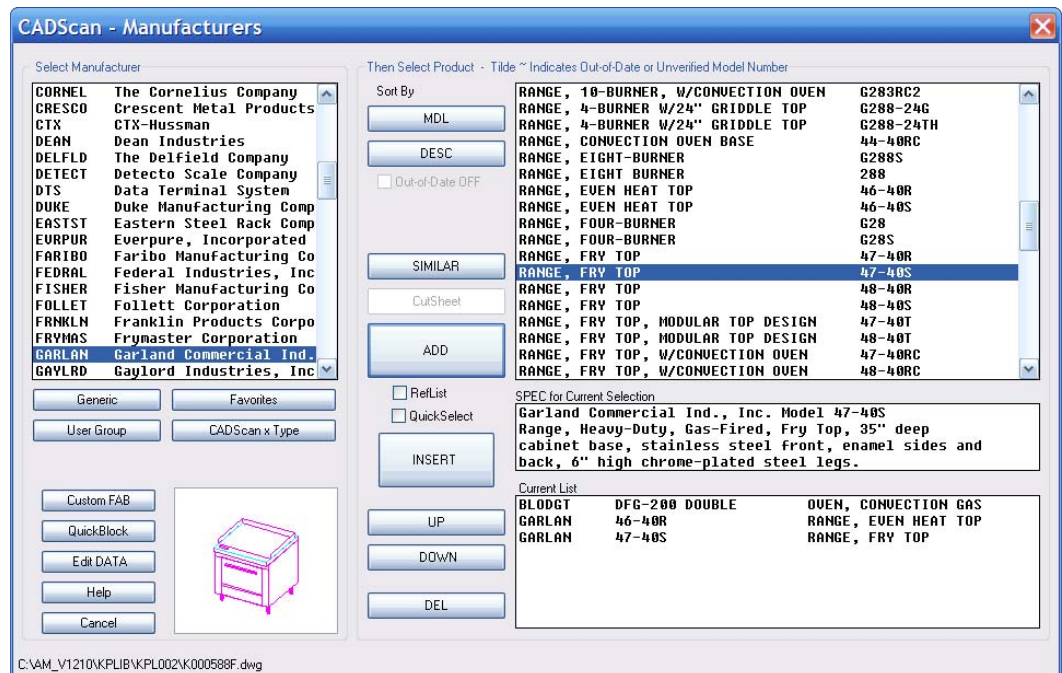


- Complete set of structural commands: grids, columns, etc.
- Stairs, wall cutouts, offsets, and other building features.
- Automatic architectural dimensioning programs.
- Toilet fixture commands - automatically create multiple toilet stalls and urinals.
- Ceiling and floor grid patterns - pick an interior wall and the grid is automatically drawn.

## Equipment Layout - Symbol Libraries

A significant portion of every food facility layout consists of symbols that represent standard manufactured equipment, often referred to as “buy-out” equipment. AutoMATE provides unparalleled access to foodservice equipment symbols including thousands of AutoMATE KPIcons as well as symbols available from equipment manufacturers, KCL, and other sources.

- CADScan is the AutoMATE KPIcon Symbol Retrieval System that works inside AutoCAD to locate and insert either a single or a group of equipment symbols.
- CADScan includes full support for User-created symbols - each user created symbol becomes an integral part of the KPIcon Symbol Library and appears in the CADScan lookup tables.



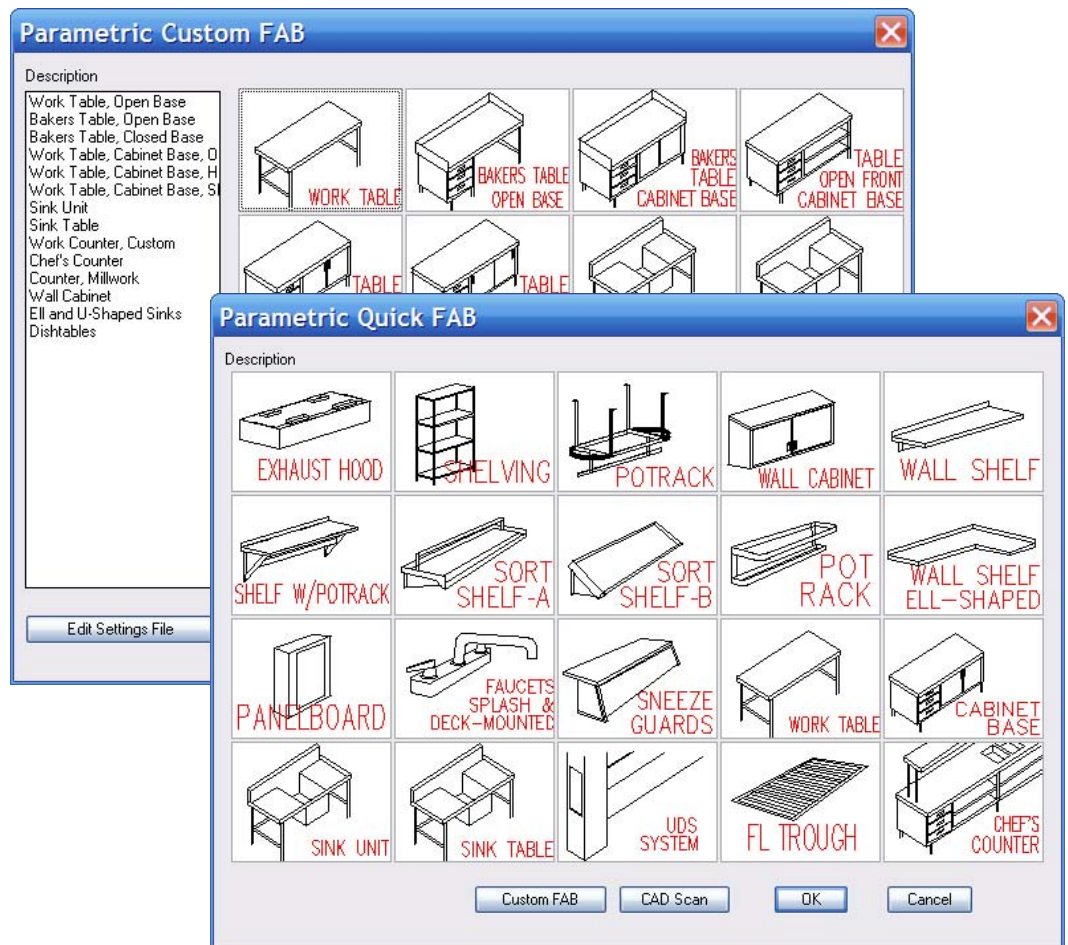
- KPIcons - The only truly intelligent foodservice symbol system. Other symbol systems store utility connections and other data in balloons which means that schedules and other linked information represents balloons, not equipment.
- Symbol 'Reference Lists' for frequently used equipment groups. Use these lists to store lists of all the items used in certain cooking batteries, serving lines, prep areas, etc.
- Quick-Block command can create an intelligent AutoMATE symbol from any drawing geometry - curved or angular servery counters, complicated Chef's Counters, etc. Just draw the outline of the counter, use AutoMATE's Components tools to add hot food wells, sinks, etc., and then use Quick-Block to convert it to a KPIcon.
- Quick-Block command includes hundreds of 3D template blocks. In addition to Cooking, Prep, Warewashing and other typical foodservice equipment, there are template blocks for softserve machines, cappuccino equipment, bar equipment, etc.
- Quick-Block command can quickly convert a KCL symbol to an AutoMATE KPIcon - automatically removes KCL non-FEDA layer entities such as model numbers, notes, etc. - recognizes KCL utility information for conversion to AutoMATE attributes.

- Quick-Block includes special procedures for building Bars, Backbars, and Cooking Island Suites.
- Symbol Transform - quickly convert non-AutoMATE symbols into intelligent AutoMATE symbols. Great tool for Dealers.
- Import equipment lists from AutoQuotes CSV file.

### Equipment Layout - Custom Fabrication

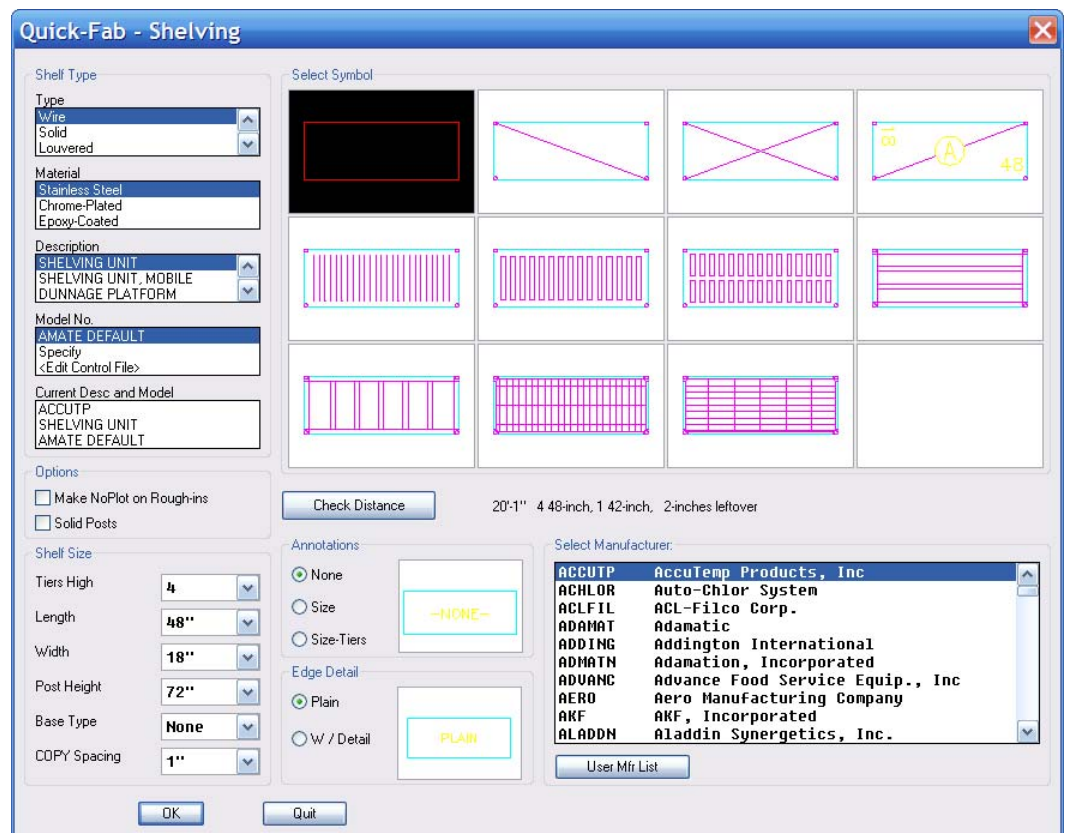
Whether you prefer custom designed fabricated equipment or standard “buy-out” work tables and sinks, the AutoMATE parametric Custom-Fab and Quick-Fab programs will quickly created exactly the symbol you want - the right length, sinks in the right location, and accessories such as dipperwells, electric service boxes, drawers, etc.

- Dynamic Walk-in Cooler creation program - creates panel style or custom styles to fit any shape or requirement.
- Walk-in Cooler program includes several sizes of full-size access doors, partial-height reach-in doors, and both manual and powered sliding doors.
- Custom-style Walk-in Cooler program includes automatic wall texture option.
- Walk-in Cooler program includes Refrigeration Sizing program with automatic Evap Coil and Condensing Unit selection.
- Complete set of Custom-Fab programs for tables, sinks, counters, wall cabinets, counters, etc. Includes Chef’s Counter and Custom Counter programs for the more complex fabricated items.





- Millwork command creates beverage and waitress service stations. Includes glass rack shelves, enclosed and open storage sections, and openings for drop-in equipment.
- Exhaust Hood and Ventilator programs design hoods by analyzing cooking equipment actually served by the hood - includes Code 96 and Gaylord-style ventilators.
- Quick-Fab commands build shelves, wall cabinets, floor troughs, work tables, sinks, and other assemblies in seconds.
- Custom-Fab and Quick-Fab commands automatically create front elevation and right side section views.
- Custom-Fab and Quick-Fab commands include specific faucet selection and option to insert as separate or integral items - faucets can be "tagged" as separate item from the sink/table.



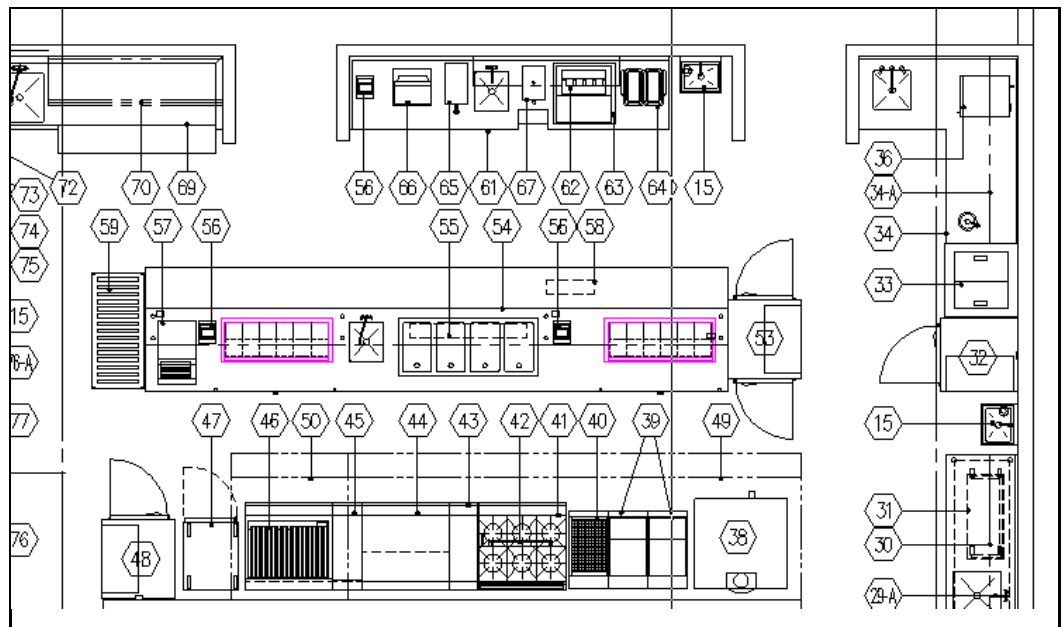
- Quick-Fab Shelving command creates dozens of shelf symbol styles of any size with or without size annotation. Shelving command can automatically determine the various combinations of shelving units required to fit a selected wall or distance.
- Quick-Fab Hood, Shelf, and Floor Trough commands include user customization of Description, Model Number, and preferred manufacturer list.
- Wall Shelves, Shelving Units, and other items have 'visibility' option for Rough-in Sheets - set visibility off for cleaner rough-in drawing sheets.
- Scores of pre-drawn 3D soiled and clean dishtables
- 2D Quick Component commands create sinks, tool drawers, hot and cold drop-ins, refrigerated bases, sneeze guards, and many other components that can be added to your symbols.

- KPIcon Entity Edit command - a special set of dialog box based editing tools to modify layers, linetypes, colors, and other characteristics of entities to be included in your symbols.

## Equipment Tagging

In order to cross-reference equipment symbols on your drawing to entries on schedules, notes, specification and other textual data, some method of tagging the symbols is required. In AutoMATE, tag reference balloons are used to display an item's number, but the tagging reference is embedded in each equipment symbol, not just the reference balloon.

- Tag information is associated with each equipment symbol on the drawing - Schedule programs scan the equipment symbols for information, not balloons, resulting in a schedule completely coordinated with the equipment.
- Smart Tag Leader Line routines automatically create single segment leaders, multi-segment leaders, or omit the leader line altogether, depending on how the definition points are selected.



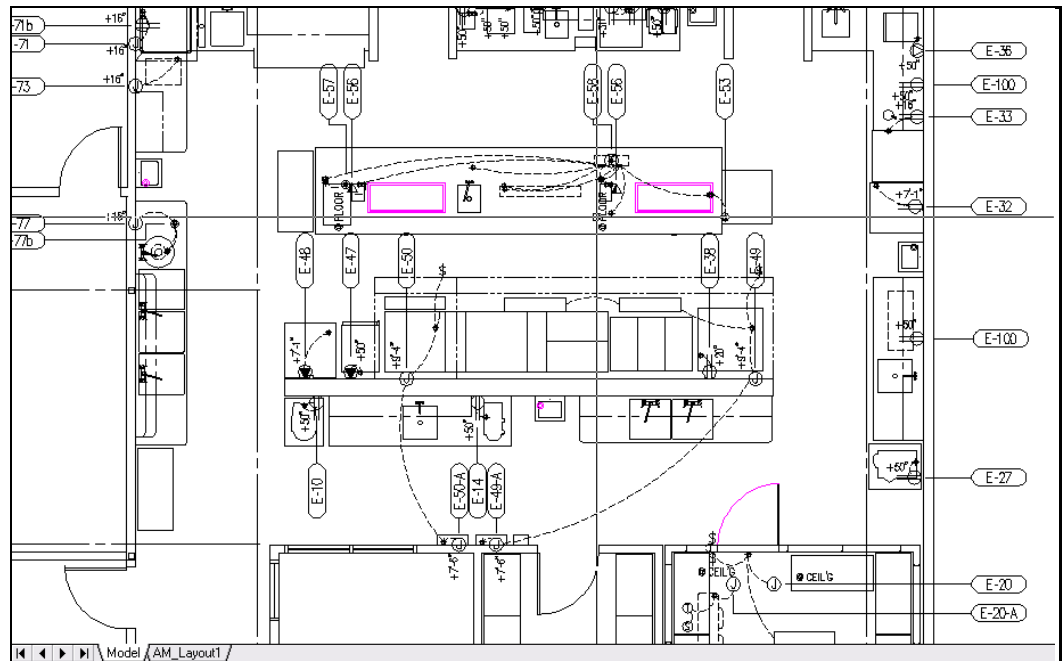
- Select either straight Numeric Tag Style or the Two-Part Tag Style which supports both Two-part Numeric - 20-001, 20-002, etc, or Alpha-Numeric Style - R-1, R-2, R-3, etc, or a combination of the two. All Tag Styles support sub-assemblies - 43-A, 20-01-B, etc.
- The Two-Part Style also provides support for a mixed format prefix. B1-nn and B2-nn could be used, for example, to identify two separate bar areas.
- Use the Target Alignment program to quickly 'dress-up' your drawing. Draw an alignment Line, select the desired target leaders and those targets are aligned with the Line.
- Option of hex, oval, rectangle, octagon, circle, or slot style targets. For Two-Part Style, options for delimiter between the first and second tag elements include Dash, Colon, Period, or None.
- A Tag Check program verifies that all items on your drawing have been tagged. Untagged items are flagged for identification. You can run this command manually, but it is also automatically run every time you create a schedule or run the rough-in programs.

- Your drawing looks too cluttered and you wish you could change the size of the item tags? The Scale Tags command lets you do just that.

## Roughing-in the Equipment

AutoMATE provides intelligent 'rules-based' Rough-in Programs which examine each utility connection and recommend a rough-in solution based on the service requirements and equipment location. Like tagging data, rough-in information is embedded in each equipment symbol as it is roughed-in.

- AutoMATE Rough-in Programs use User-editable phrases to create short notes for each rough-in. Many elements of these notes, HW Temperature for example, can be included or excluded by the User.
- These Rough-in Note Programs include extensive support for User-defined notation libraries which range from short phrases to multiple paragraph supplements.
- Rough-in Programs supports 'Common' connection types - several gas-fired items can be connected to a single supply, for example.
- Rough-in Programs test for wall adjacency to determine the best rough-in location. A 60-quart mixer, for example, might be roughed-in from a wall or from the floor, depending on its location.



- Electrical Rough-in program automatically selects the correct rough-in symbol based on voltage, phase, and amps. The User can, however, easily override the default selection.
- NEMA configuration is automatically computed for cord-and-plug equipment.
- Faucet Rough-in water supplies can be specified with individual target reference or combined target/notation - the combined option presents all information individually in schedules, but generates a 'cleaner' drawing.
- Support for connection to Utility Distribution Systems - UDSs. And load centers and panelboards can be accommodated in chef's counters, beverage stations, etc.

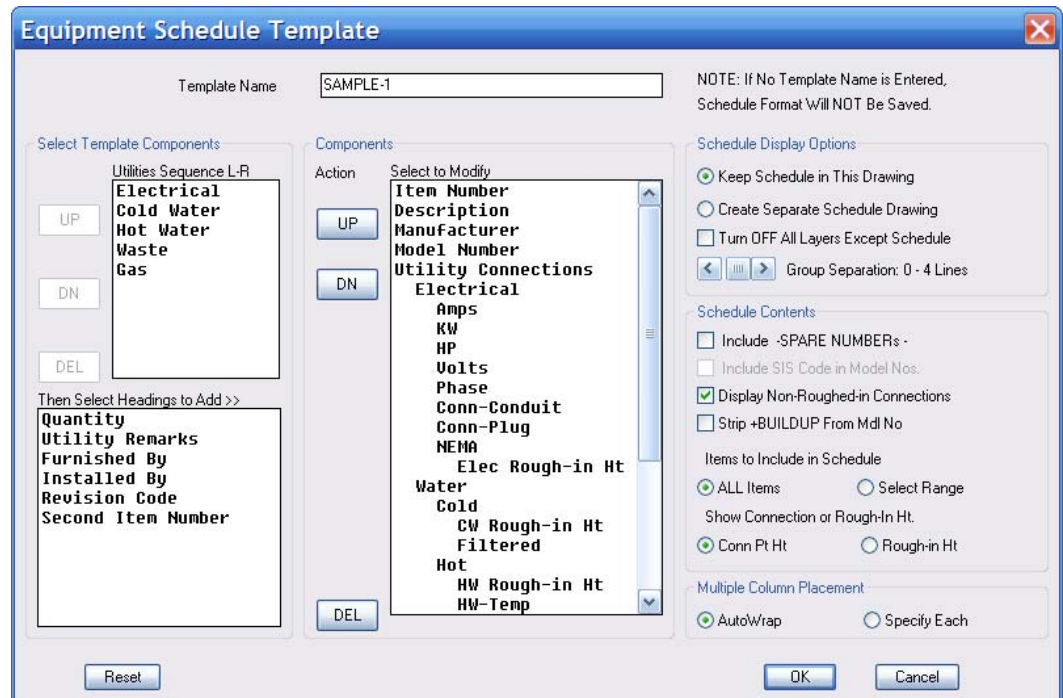


- Special symbol annotation options automatically define isolated ground circuits, watertight outlet covers, and GFI outlets.
- After all equipment items have been roughed-in, automatically generate rough-in notes and schedules. Notes and schedules programs include automatic column-wrap feature.
- Generate separate Connection Schedule for UDSs and Panelboards to show connected load for each attached item.
- Optional rough-in symbols for Electrical and Plumbing. AutoMATE includes two popular rough-in symbol sets, but you can modify them to fit your preferences.
- Rough-in Check - make sure ALL items have been connected. And this program is run automatically whenever you run a Rough-in Notes or Schedule program.
- Global Editing: Rough-in symbols, notes and schedules, and equipment schedule data are 'cross-referenced' for one-step editing - change a voltage or connection type in one place and all items are updated.
- Full complement of 'General Purpose' Rough-ins - duplex outlets for future equipment, area floor drains, etc.

### Equipment Schedules

An Equipment Schedule is the primary means used to identify the equipment symbols on a drawing. AutoMATE generates these schedules by reading the information embedded in the symbol and displaying the schedule information accordingly. All schedules created from actual drawing content - schedule programs evaluate equipment symbols, not balloons

- Select equipment schedule content and arrangement based on your individual preferences - you may want to place the equipment manufacturer and model number right after the description, e.g., or after the utility connection data. Or, not at all.



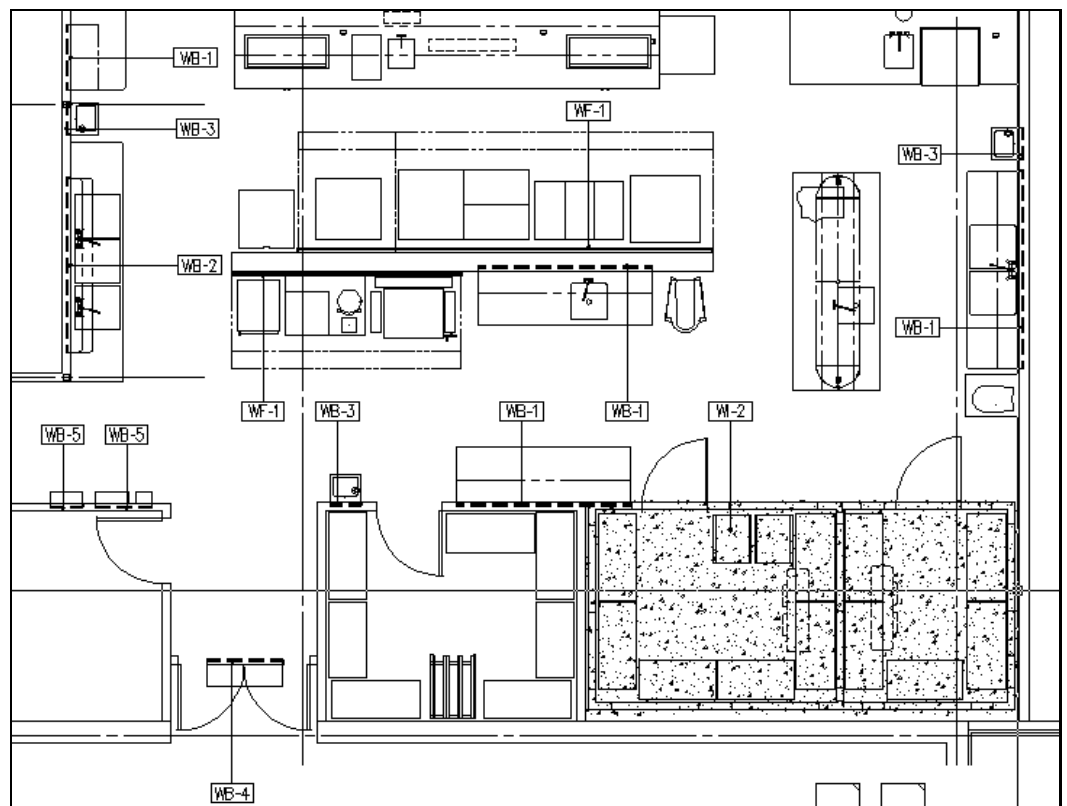
- Store User-defined schedule templates - from 'short-form' listings of just item number and description to 'long-form' schedules containing complete utility services, remarks, status, etc.

- Schedule column widths are User-definable - you may want to specify a wider column for Remarks or wider columns at all components to accommodate an especially wide font.
- Include 'Spare Number' lines in schedules and select terminology such as NOT USED or some other preferred phrase. Option to use 'LOT' in the quantity column for shelving units.
- Automatic column-wrap if schedule exceeds specified length for single column.
- Include all items in schedule or just a specific range of items - this can be helpful if your drawing includes two separate areas and you want to create separate schedules for each area.
- ASCII text file schedules can be created for hard-copy printouts; very useful if you need to send an equipment schedule to the architect or engineer.
- Schedule data is 'cross-referenced' to rough-in symbols, notes and schedules, for one-step editing - change a description or gas supply size one place and all items are updated.

### Special Building Features

Many types of equipment require special coordination by other trades on the project, ranging from specific finish techniques at walk-in coolers and floor drain grates to additional structural or building elements. AutoMATE includes a complete set of functions for these Special Building Features.

- Wall backing for shelves, cabinets, and other wall-mounted items. Wall backing can be created by picking the end points or by simply picking a KPIcon symbol.



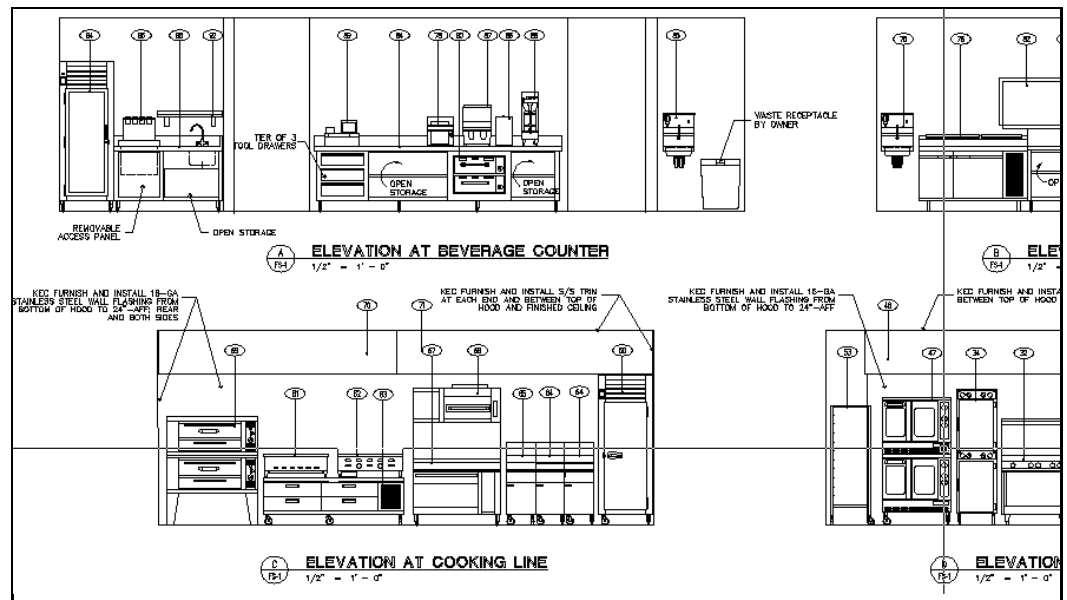
- Corner guards, angle and "U" type at stub walls.
- Wall flashing at hoods and splash zones.
- Hood support structural attachments.

- Beverage line chases - underground and overhead.
- Curb and floor depression hatching.
- User-definable keynote system. Keynotes can be as terse or as extensive as you prefer
- Keynote schedule.
- Option for automatic generation of Wall Backing for items created by Custom-Fab or Quick-Fab.
- Automatic Wall-Backing at Hand Sinks, Insect Fans, and other wall-mounted items inserted by CADScan.
- Building Conditions elements can be placed on separate layer set (the default) or converted to Mechanical layers to reduce plotting requirements.

## Elevations and Details

Although not all Consultants and Designers include Equipment Elevations as part of their drawing set, these are often a requirement of many local health departments and provide additional information regarding the relationship of various items in the facility.

- AutoMATE's Create Elevation View can automatically create an elevation of a selected group of items - an entire cooking battery, prep area, or serving line.
- Use the Import Elevation View command to insert an elevation view of a single item at a specified location.



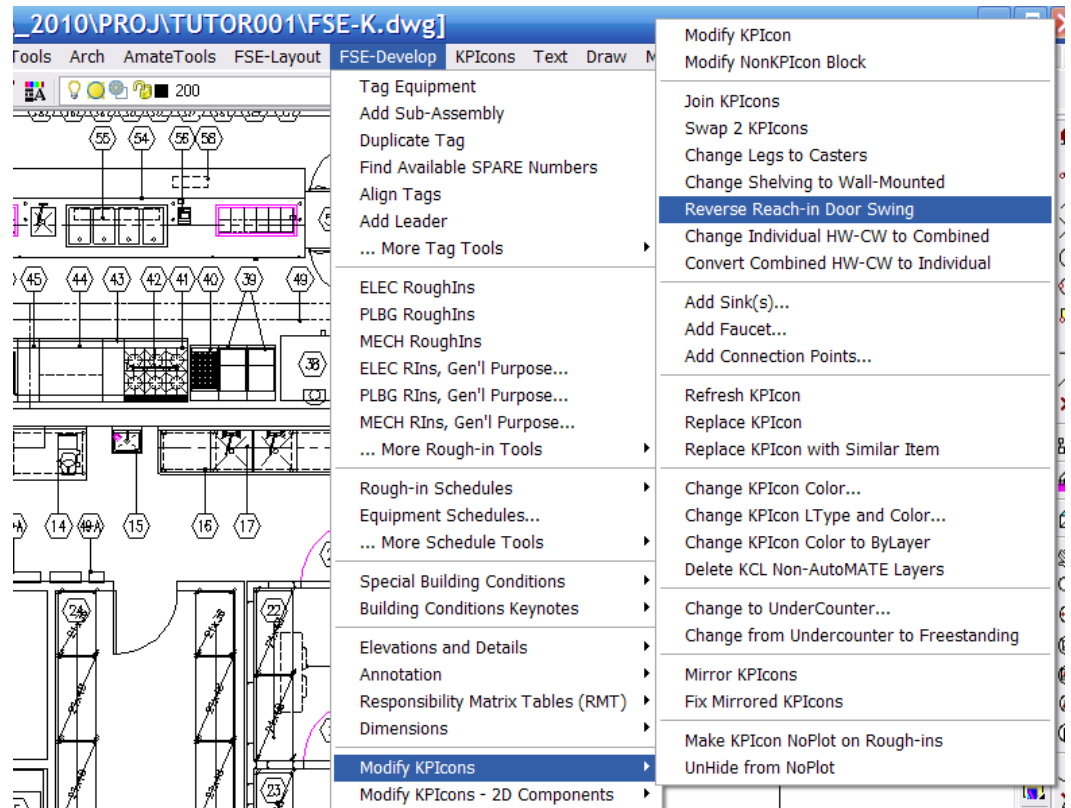
- AutoMATE automatic scales the elevation view items to 'Details' scale as they are inserted.
- Modify Elevation Block to edit an individual elevation view included in a group elevation and then re-block the modified entities.
- Tag Elevation View KPIcons command - Elevation view KPIcons store the item reference number for automatic tagging.
- Edit an Elevation Title callout and the associated plan view callout is automatically updated.
- Enlarged Detail command - blowup a selected portion of a detail or elevation for enhanced large-scale dimensions or annotation.

- Create and Import User-defined details, sections, schematics and other often used BLOCKs.
- Ability to incorporate your previously created BLOCKs in a 'User Block' folder system - define the parent folder in the AutoMATE Preferences dialog and your symbols become part of AutoMATE.
- The Create Elev/Detail Sheet from Elevation layout command creates a separate DWG file from the elevation view layers.

### Modifying the Physical Appearance of Equipment Symbols

Change is everywhere - except at vending machines. There may be many times that you'd like to change the appearance of a symbol - make it longer, add a component, etc. But the nature of AutoCAD BLOCKs with Attributes normally prevents that; the BLOCK would lose it's intelligent attributes. AutoMATE provides several tools for changing KPIcons.

- Modify KPIcon - the main program - modifies any aspect of a KPIcon symbol; change the size, add utility connections, etc. Then ReBlock to the same item number, spec, description and status.
- Group/Join KPIcons command permits you to join two separate KPIcons into a single BLOCK - a disposer control panel to the disposer, for example.



- Replace Legs with Casters for accurate perspectives.
- Reverse door swing on reach-in refrigerators.
- Add door swings to cabinets and counters.
- The Refresh KPIcon command restores the data content of selected KPIcons.
- Replace KPIcon lets you select and insert a different equipment item in the same location and orientation as a current item which is then deleted.

- Change the color of the 'basic geometry' layer to any standard AutoCAD color to designate as NIC, By Owner, etc.
- Change the color and linetype of the 'basic geometry' layer to distinguish various special conditions. This command is useful in visually distinguishing Existing Equipment, NIC Items, etc.
- Change the color and linetype of the 'basic geometry' layer to distinguish as undercounter equipment - and reverse.
- Modify shelving, work tables, and other items to 'NoPlot' on rough-in plans - they plot on layouts but not rough-ins!
- Modify Non-KPIcon Block even lets you modify other blocks that you might need to STRETCH or otherwise change and then have it automatically turned back into a block.
- 2D Modify KPIcon commands to quickly add 2D sinks, tool drawers, hot or cold food wells, refrigerated bases, sneeze guards, and other components - includes options for adding utility connection requirements.

### Modifying the Data Components of Equipment Symbols

You may also need to modify the data associated with KPIcons. AutoMATE includes several tools to change Model Number, Status, Manufacturer, and even the utility requirements of KPIcons. Many of these commands include the option to Edit All KPIcons or only a Selected group.

- Global Edit - change a rough-in and the schedule changes - or change a schedule item and the rough-in changes. Eliminates errors and simplifies drawing coordination.
- Edit KPIcon Data - edit everything except the connections - model number, description, add a remark, set a 'status', etc. - option to save changes to CADScan lookup tables.

Select Item to Edit Manufacturer/Model Number

36	AMANA	HDC-18	MICROWAVE OVEN	D
38	BLODGT	DFG-100 DOUBLE	OVEN, CONVECTION	
39	PITCO	14-SS	FRYER, DEEP FAT	D
40	PITCO	BNB-14SS	FRYER, DRAIN CABINET	D
41	JADE	JTRH-6-36	RANGE, SIX OPEN BURNERS	A
42	JADE	JSB-36RM	BROILER, SALAMANDER, RANGE-MOUNT	A
43	JADE	JTPR-12SD	SPREADER, GAS, W/STORAGE CABINET	
44	JADE	JTRH-36GT-36	RANGE, GRIDDLE TOP, GAS	
45	JADE	JTPR-12SD	SPREADER, GAS, W/STORAGE CABINET	A
46	JADE	JTHRMB-36	CHAR-BROILER, RANGE MATCH	
47	ALTOSH	1000-TH-1/STD	OVEN, COOKING AND HOLDING	A

Make Changes - Then Select Save Mode

Model Number / Status:

Description:

Remark:

Save Mode Options:  Use LOT for Quantity

Save To CADScan:  Replace Existing  Add New Entry

Select New Manufacturer:

ABCBAR	American Business Computers
ACCUTP	AccuTemp Products, Inc
ACHLOR	Auto-Chlor System
ACLFIL	ACL-Filco Corp.
ADAMAT	Adamatic
ADDING	Addington International
ADMATN	Adamation, Incorporated



- Edit connection point data - change the TEMP at a hot water connection or the amps at an electrical connection - even add or delete connection points. Optional save to symbol .DWG file.
- Change individual HW-CW connection attributes to a 'combined' connection requiring only a single target and note. And the reverse, Change combined HW-CW connection to individual connections.
- Edit KPIcon Specification - modify the equipment specifications to the specific requirements of a project: add accessories, change the finish, select from various options - AutoMATE provides a variety of specification tools.
- Edit Status - select from a set of User-defined status codes - or from 'Furnished By' and 'Installed By' options.
- Edit Prices - use this command to enter pricing data for basic cost estimates; pricing data can be saved to data tables.
- Edit Rough-in Notes - scan the drawing and edit all Rough-in Notes or select only specific rough-ins to edit.

### **Dimensioning Equipment Layouts and Rough-ins**

Of special importance to Foodservice Equipment Dealers is the need to provide dimensioned plans for rough-ins and building additions and modifications. And dimensioned equipment layout plans are often required to show the relationship between various items.

- AutoMATE's task-specific dimension commands automatically adjust scale and layer settings for elements to be dimensioned.
- Automatic rough-in dimension modes - traditional sequential or baseline. Baseline uses a common reference point for all dimensions in the set making it much easier for plumbers and electricians to mark their locations.
- You can establish a 'breakpoint' to transition dimension text from inches only to feet-and-inches.
- AutoMATE Dimension Commands can be set to use Nominal or Fractional units; Apply stacked fractions to Fractional units
- Edit dimension lines with break or arc at intersecting lines
- Edit dimension text or location - add or replace reference arc

### **Creating User-defined Symbols**

No matter how large your available symbol library becomes, there will always be a need to use an equipment item for which no symbol exists. It may be a brand-new item or an obscure item from a manufacturer who has not create a symbol library. AutoMATE provides many techniques for creating new KPIcons, including all the tools we use in creating AutoMATE symbols.

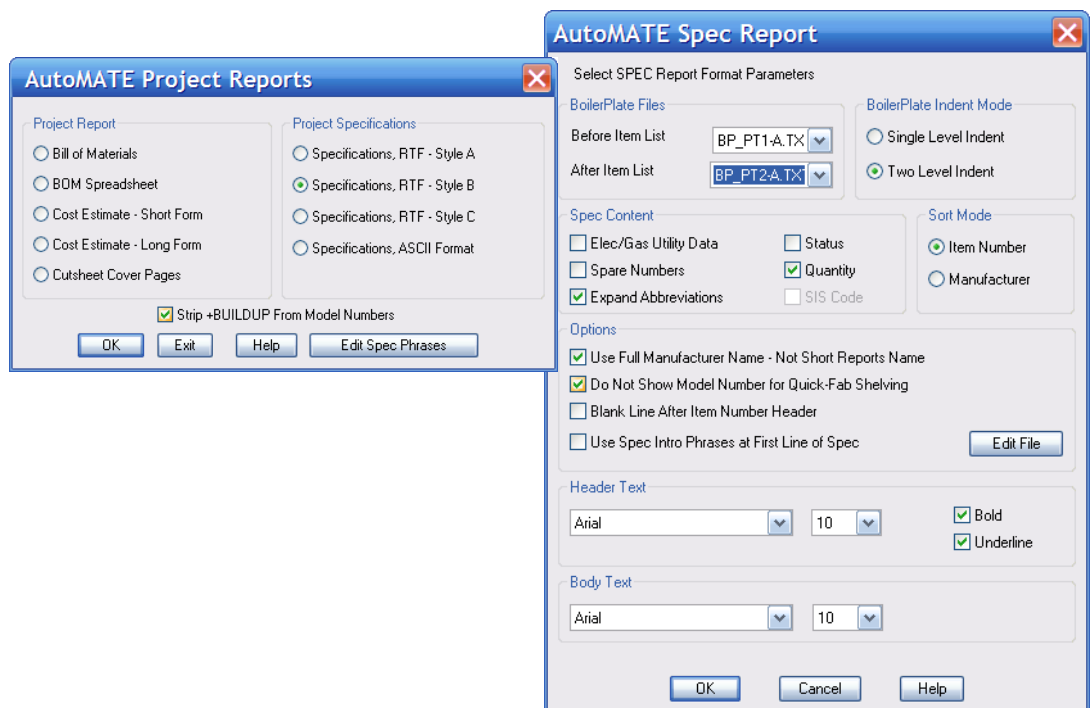
- A library of over 2000 'primitives' for creating new User-defined symbols - components: legs, control knobs, handles, etc., and full assemblies: fryers, ranges, refrigerators, slicers, etc.
- AutoMATE TiltUp - a tool for creating full 3D symbols from 2D profiles. For many items, if you can draw the profile in flat view, the TiltUp command can quickly create the geometry for a 3D symbol.
- AutoMATE Sweep - create sophisticated 3D bars, counters, and other items by 'sweeping' a profile through a polyline path. AutoMATE provides several typical profiles of Bars and Serving Counters that can be used as-is or modified.
- Create Front and Right-Side elevation views from 3D symbol

- 3D Circle and 3D Disk to create polygon 'pseudo' circles and disks in WCS space - slicer blades, covers, etc.
- 3DFACE tools to manipulate edge display, change a single vertex, change elevation, or change vertex order.
- AutoMATE SmartStretch command - only for use in creating new symbols; Stretch the plan view of a new symbol and the elevation view is also modified.
- Special entity modification tools: change a LINE to a 3DFACE, or vice-versa; change a CIRCLE or ARC to LINE segments, etc.
- Materials library for AutoMATE's rendering extensions.
- Quick Block command includes options to save the KPIcon to the CADScan lookup tables. You can even save the elevation views with the KPIcon.
- Refer to the previous section on **Equipment Layout - Symbol Libraries** for additional details on Quick Block

## Reports

In addition to a complete, coordinated set of drawings, your project will usually require various Reports to fully define the nature of the project. AutoMATE provides various reports tools, each of which includes various options for the output format.

- Bill-of-Materials (BOM) reports can be generated in several formats including ASCII and comma-delimited values.
- Cost estimates in a short one-line per item format or in a long format that includes a complete specification for each item.
- Project itemized specifications in ASCII format.
- Project itemized specifications in RTF (Rich Text Format) for importing into Microsoft Word or most other word processors. Several formats and options permit you to create a set of specifications in a format that meets your preferences.



- Itemized specification options include inclusion of SIS code, Spare Numbers, a choice of 'boilerplates', etc.
- Formatting options include font style and size, underline and/or bold header lines, and expansion of common abbreviations.
- Itemized specifications can be sorted on item number sequence or grouped by manufacturer. Sort by manufacturer to distribute the appropriate sections to the appropriate Manufacturers Reps.
- Cutsheet Brochure Cover Page program creates brochure cover sheets for all items of equipment on a drawing. Select content, font style and size, alternate formats.
- Project Summary reports sorted on project type or client.

### **Design Review**

While AutoMATE utilizes many automatic review routines during the course of tagging, rough-ins, and other functions, there are many other instances where you will want to review your drawing for completeness and compliance with design standards. AutoMATE provides tools to help you with this review.

- User-defined design Check Lists for both Layout and Development Phases.
- Review entire drawing for untagged items. Invoked automatically by Schedule and Rough-in programs.
- Review drawing for un-converted KCL symbols. Automatically invoked by Tagging commands.
- Check elevation of all KPIcons on the drawing: makes sure that all symbols are inserted at the correct height. Automatically invoked by rough-in programs.
- Check for required Hand Sinks: makes sure that hand sinks are installed at all required areas.
- Check for Maximum Ice Machine Height: identifies any area where additional ceiling clearance might be required.
- Check Rough-ins: checks for any unconnected electrical, plumbing, and mechanical connections.
- Check for required Floor Drains: reviews entire drawing for direct connected wastes which often require floor drains in case of flooding caused by a clogged drain.
- Check for Schedule coordination with Equipment Layout. Checks for missing schedule entries, schedule entries for missing equipment, and orphaned tags. You can set this feature to be invoked automatically each time a drawing is opened.

### **Drawing and File Management**

We've seen many situations where a CAD user's first challenge was simply managing their CAD DWG and related files. In addition to AutoMATE's Project Manager, there are several additional drawing and file management tools.

- Redundant Backup feature helps you maintain daily or weekly backups of project drawing files.
- Use existing project drawings as prototypes for new drawings.
- Set defaults for initial text sizes, sheet size, and other settings.
- Safe Block and Safe Layer Purge - eliminate unused elements in a single step.
- Synchronize/Recover CADScan Files command examines every possible way to locate, recover, and synchronize your files.

- AutoMATE AutoSAVE feature performs a true SAVE of your work as often as you think necessary. Much easier to use than the AutoCAD AutoSAVE feature and much more reliable.

### **Working with Others**

Getting your work to architects, engineers, and contractors in a format that they can easily work with is the final task in producing a good set of contract documents for a project. AutoMATE includes tools to help you share your work with your clients and with other members of the design group.

- Publish for Distribution command includes BURST option to generate separate .DWG files for each defined 'layer view'. 3D drawings can be converted into 2D and utility connection plans can be created with halftone backgrounds
- Remap standard FEDA/AutoMATE layers to AIA or ISO format
- Remap layers to any User-defined layer set - create individual layer definition files for various architects that you work with
- Create AutoQuotes export file to produce quotes or cutsheets from project data.
- Transform symbols from non-AutoMATE drawing.
- Uses standard AutoCAD blocks with attributes and extended entity data - does not require object enabler.
- AutoMATE drawings do not require a proprietary database - all drawing intelligence is stored in the .DWG drawing file.

### **Presentation**

AutoMATE is a full 3D design program. While you can set AutoMATE to work in 2D, the benefits of maintaining a high degree of 3D compatibility becomes evident the first time you show your client a 3D Perspective of your design; and even moreso if you create a rendering.



### **Further Information**

If you require further information about AutoMATE, please contact us at [info@amate-online.com](mailto:info@amate-online.com).