

This section is based on the products of **Wine Cellar Innovations**, located at:

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Contact a Regional Design Consultant in your area:

www.winecellarinnovations.com/contact.htm

Available Downloads

Wine Cellar Construction Guide: http://www.winecellarinnovations.com/res_cus_prep_room.htm

Continuing Education: <http://www.winecellarinnovations.com/continued-education.htm>

Wine Cellar Wood Options: <http://www.winecellarinnovations.com/interactive-wood-swatch-viewer.html>

Wine Cellar Innovations provides full turn-key services for complete custom wine cellar and wine racking project needs. All points of project needs can be handled from wine storage design, layout, manufacturing, refrigeration, interior décor fitting, wine cellar doors, as well as factory trained installation services.

Wine Cellar Design You may submit a plan to any of our design consultants and request a complimentary 2-dimensional drawing of your wine cellar. Your design will feature a quoted price for the cellar, a plan view, key page, elevations of each wall, molding plan, and an optional reflected ceiling plan if a raised panel ceiling is requested.

Custom Wine Cellars All wine racking is hand crafted at our wood manufacturing facility in Cincinnati, OH to assure the highest quality of workmanship. Aside from the wine racking, we can also outfit a complete custom wine cellar with a fitted wine cellar door, flooring, ceilings, as well as paneling material. There are multiple wood type and stain options available. Simply supply us room dimensions and we can supply you with the design.

Wine Racking Kits We offer up to eight distinct wine racking kit lines to meet any customer's budget and taste. These wine racks range from simple building blocks which can grow with the client's collection, to more complete modular systems which are virtually custom in appearance.

Wine Cellar Refrigeration Units We can provide a free BTU analysis and suggest an appropriate sized unit with every quote.

Commercial Applications We also manufacture a complete line of durable commercial wine display racks for wine stores, grocery stores, vineyards, wine wholesalers and the hospitality industry.

(Specifier Note: The purpose of this guide specification is to assist the specifier in correctly specifying wine storage equipment and its installation. Wine Cellar Innovations designs, manufactures and installs custom wine cellars as well as offering

kits, refrigeration units and decorative accessories. The specifier needs to edit these guide specifications to fit the needs of each specific project. Contact a Wine Cellar Innovations representative to assist in appropriate product selections.

References have been made within the text of the specification to MasterFormat 2004 section numbers and titles; specifier needs to coordinate these numbers and titles with sections included for the specific project. Throughout the guide specification, there are specifier notes to assist in the editing of the file. Brackets []; "AND/OR"; and "OR" have been used to indicate when a selection is required.)

SECTION 11 41 12 WINE STORAGE EQUIPMENT

Wine Cellar Innovations Commercial Wine Display Fixtures

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Wine racks.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Include plans, elevations, details, sections, and relationship to adjoining work.
- C. Samples: For each finish product specified, two samples, 6 inches in length minimum, representing product color.

(Specifier Note: DELETE "LEED Submittals" paragraph and subparagraphs below if project is not required to be LEED certified. COORDINATE with "Manufacturer Qualifications" and "Forest Certification" paragraphs in "Quality Assurance" article.)

- D. LEED Submittals

- 1. Certificates for Credit MR 7: Chain-of-custody certificates certifying that wood flooring complies with forest certification requirements. Include evidence that manufacturer is certified for chain of custody by an FSC-accredited certification body.

- a. Include statement indicating costs for each certified wood product.

(Specifier Note: DELETE "Environmental compliance certificates" paragraph below if wood products are not required to be made with SFI (Sustainable Forestry Initiative)

accredited wood. COORDINATE with "Environmental Compliance" paragraph in "Quality Assurance" article.)

- E. Environmental compliance certificates.
- F. Maintenance data.
- G. Sample warranties.

1.3 QUALITY ASSURANCE

(Specifier Note: DELETE "Manufacturer Qualifications" and "Forest Certification" paragraphs below if not required for LEED-NC or LEED-CI Credit MR 7. FSC-accreditation is an option that needs to be specified from the start of the project. Specifier should be aware that this option will increase cost and lead times significantly.)

- A. **Manufacturer Qualifications:** A qualified manufacturer that is certified for chain of custody by an FSC-accredited certification body.
- B. **Forest Certification:** Provide wood components produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

(Specifier Note: DELETE "Environmental Compliance" paragraph below if not project specific.)

- C. **Environmental Compliance:** Provide wood components produced from SFI (Sustainable Forestry Initiative) accredited wood.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Refer to Section [01 60 00 Product Requirements] [Insert section number and title].
- B. Deliver materials and components in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store materials as recommended by manufacturer.

1.5 PROJECT CONDITIONS

- A. Maintain relative humidity and ambient temperature within limits recommended by manufacturer.

1.6 WARRANTY

- A. Manufacturer's Rack Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace wine racking that fails in material or workmanship under normal use and service within specified warranty period.
1. Warranty Period: Five years.

PART 2 - PRODUCTS

(Specifier Note: Product information is proprietary to Wine Cellar Innovations. If additional products are required for competitive procurement, contact Wine Cellar Innovations for assistance.)

2.1 MANUFACTURER

- A. Wine Cellar Innovations; 4575 Eastern Ave., Cincinnati, OH 45226, USA; Phone 800.229.9813, Fax 513.979.5280; Website www.winecellarinnovations.com.
1. Basis of Design: Standard Commercial Racking.

(Specifier Note: SELECT desired products and options from article below or DELETE entire article and refer to basis of design paragraph above.)

2.2 WINE RACKS

- A. Islands: Two sided, full-depth wooden wine racks.
1. Island: Single tier display [**with 8-inch deep display counter**].
 - a. Height: [**47 inches**] [**54 11/16 inches**].
 - b. Depth: 26-3/4 inches.
 - c. Bottle Capacity: 240.
 2. Island with Four Display Shelves: Single tier display [**with 8-inch deep display counter**].
 - a. Height: [**47 inches**] [**54 11/16 inches**].
 - b. Depth: 35-3/4 inches.
 - c. Bottle Capacity: 280.
 3. Triple Tier Island
 - a. Height: 56-1/8 inches.
 - b. Depth: 50-3/4 inches.
 - c. Bottle Capacity: 420.

4. Two Tier Island
 - a. Height: 55-1/2 inches.
 - b. Depth: 26-3/4 inches.
 - c. Bottle Capacity: 260.

(Specifier Note: DELETE accessories below that are not project specific.)

5. Accessories
 - a. Island End Cap: 12 inch deep unit with two fixed and two adjustable shelves.
 - b. Price Track
 - c. Casters
 - d. Sign Caddy: 9 13/16 by 12 1/16 inch wood frame with **[glass][cardboard]** inserts.
 - e. Vinyl Base: 4 inch high with **[brown (standard)][black (upgrade)]** finish.

B. Mass Merchandising: 17-7/8 inch deep units.

1. Bin Display: **[Two][Three][Four][Five]** column units with 8 display bins per column and display trays.
 - a. Height: 83-5/8 inches.
 - b. Bottle Capacity: 96 (per column).
2. Half Height Bin Display: Three column units with 4 display bins per column and display trays.
 - a. Height: 40 ¼ inches.
 - b. Bottle Capacity: 156.
3. Adjustable Shelf Cabinet: 11/16-inch thick body construction with 11/16-inch thick solid redwood shelves and ¼ inch luan back.
 - a. Height: 83-5/8 inches.
 - b. Bottle Capacity: 300.
4. Half Height Adjustable Shelf Cabinet: 11/16 inch thick body construction with 11/16-inch thick solid redwood shelves and ¼ inch luan back.
 - a. Height: 43 3/8 inches.
 - b. Bottle Capacity: 195.
5. Half Height Vertical Bin
 - a. Height: 40 1/4 inches.
 - b. Bottle Capacity: 150.

(Specifier Note: Face trim option is only available on mahogany finished units.)

6. Diamond Bins: Interlocking solid redwood panels, with[**optional face trim and**][**open back**][**optional tongue and groove backing**].
 - a. Height: 83-5/8 inches.
 - b. Bottle Capacity: 251.
7. Diamond Cubes: One column, [**open back unit**][**with optional tongue and groove backing**].
 - a. Height: 83-5/8 inches.
 - b. Bottle Capacity: 147
8. Fixed Display Shelf: Interlocking, solid panel, three column fixed display shelve unit with price track.
 - a. Height: 83-5/8 inches.
 - b. Bottle Capacity: 300

(Specifier Note: DELETE accessories below that are not project specific.)

9. Accessories
 - a. Vinyl Base: 4 inch high with [**brown (standard)**] [**black (upgrade)**] finish.
 - b. Drop-In-Bins
 - c. Price Track

C. Vertical Bins

1. Six Shelf Vertical Bin
 - a. Height: 83-5/8 inches.
 - b. Depth: 17-7/8 inches.
 - c. Bottle Capacity: 290.
2. Horizontal Display Vertical Bin
 - a. Height: 83-5/8 inches.
 - b. Depth: 17-7/8 inches.
 - c. Bottle Capacity: 240.
3. Wall Display
 - a. Height: 47 inches.
 - b. Depth: 13-1/2 inches.
 - c. Bottle Capacity: 120.
4. Half Height Vertical Bin

- a. Height: 40-1/4 inches.
 - b. Depth: 17-7/8 inches.
 - c. Bottle Capacity: 150.
5. Waterfall Vertical Bin
- a. Height: 83-5/8 to 34-3/8 inches.
 - b. Depth: 35-3/4 inches.
 - c. Bottle Capacity: 414.

(Specifier Note: DELETE accessories below that are not project specific.)

6. Accessories
- a. Vinyl Base: 4 inch high with [**brown (standard)**] [**black (upgrade)**] finish.
 - b. Price Track: Included (*standard*).

D. Individual Bottle Storage

1. Triple Tier Merchandiser
- a. Height: 56-1/8 inches.
 - b. Depth: 26-5/16 inches.
 - c. Bottle Capacity: 210.
2. Triple Tier Maximizer
- a. Height: 83-5/8 inches.
 - b. Depth: 25-1/8 inches.
 - c. Bottle Capacity: 280.
3. Two Tier Magnum Merchandiser
- a. Height: 48-3/4 inches.
 - b. Depth: 26-5/16 inches.
 - c. Bottle Capacity: 112.

(Specifier Note: DELETE accessories below that are not project specific.)

4. Accessories
- a. Vinyl Base: 4 inch high with [**brown (standard)**] [**black (upgrade)**] finish.
 - b. Price Track: Included (*standard*).

E. Curved Storage

1. Angled Curved Corner: Screwed construction.
- a. Height: 83-5/8 inches.

- b. Depth: 17-7/8 inches.
 - c. Bottle Capacity: 116.
- 2. Radius Curved Corner Display
 - a. Height: 83-5/8 inches.
 - b. Depth: 17-7/8 inches.
 - c. Bottle Capacity: 174.
- 3. Quarter Round Shelf Cabinet
 - a. Height: 83-5/8 inches.
 - b. Depth: 12-11/16 inches.
- 4. Waterfall End Cap
 - a. Height: 30-7/16 inches.
 - b. Depth: 13-3/8 inches.
- 5. Quarter Round Display
 - a. Height: 83-5/8 inches.
 - b. Depth: 25-1/2 inches.
 - c. Bottle Capacity: 56.
- 6. Circular Merchandiser
 - a. Height: 46 inches.
 - b. Diameter: 34-3/4 inches.
 - c. Bottle Capacity: 168.
- 7. Wine Carousel: Rotating display.
 - a. Height: 57-13/16 inches.
 - b. Diameter: 37-1/8 inches.
 - c. Bottle Capacity: 144.

(Specifier Note: DELETE accessories below that are not project specific.)

- 8. Accessories
 - a. Vinyl Base: 4 inch high with [**brown (standard)**] [**black (upgrade)**] finish.
 - b. Price Track

F. Secured Storage & Glass Shelves

- 1. Locking Display Cabinet
 - a. Height: 83-5/8 inches.

- b. Depth: 17-3/8 inches.
 - c. Bottle Capacity: 180 (50 secured).
2. Glass Shelf Accessory Cabinet: Built-in illumination and **[four (standard)]****[Insert Number]** adjustable glass shelves.
 - a. Height: 83-5/8 inches.
 - b. Depth: 17-3/8 inches.
 3. Lockers: One column with 5 individual locking units with **[metal lattice]****[solid panel (upgrade)]** doors.
 - a. Height: 83-5/8 inches.
 - b. Depth: 17-3/8 inches.
 - c. Bottle Capacity: 60.

(Specifier Note: DELETE accessories below that are not project specific.)

4. Accessories
 - a. Vinyl Base: 4 inch high with **[brown (standard)]** **[black (upgrade)]** finish.
 - b. Price Track

(Specifier Note: Refer to manufacturer's website at www.winecellarinnovations.com for a full list of available accent components and available options. DELETE components or entire article if not project specific.)

G. Accent Components

1. Tasting Center
2. Glass Rack & Tasting Table
3. Archway & Cabinet Station
4. Walk Thru Archway

(Specifier Note: Refer to manufacturer's website at www.winecellarinnovations.com for profiles.)

5. Trellis Design: 15 11/16 inch high by 45 11/16 inch wide by 1 7/16 inch deep wood, trellis design **[1]** **[2]** **[3]**.
6. Cash Register Stand: 3/4 inch plywood construction with wood veneer and cork counter top.
 - a. Units: **[Cash Register Stand]****[, Storage Unit]****[and Corner Display]**.

(Specifier Note: DELETE accessories below that are not project specific.)

- b. Accessories
 - 1) Vinyl Base: 4 inch high with **[brown (standard)]** **[black (upgrade)]** finish.
 - 2) Art Images: **[Fresco]** **[Painting]****[none]**.

H. P.O.P. Displays

1. Wine Merchandiser: Free standing units made of clear redwood.
 - a. Size: **[Six][Five][Four]** column unit.
 - b. Height: 47 inches.
 - c. Depth: 14 inches.
 - d. Bottle Capacity: **[72][60][48]**.

(Specifier Note: DELETE accessories below that are not project specific.)

- e. Accessories
 - 1) Vinyl Base: 4 inch high with **[brown (standard)] [black (upgrade)]** finish.
2. Country Pine Triple Bin Display **[with [silkscreen][laser] imprint on header]**.
 - a. Height: 60 inches.
 - b. Depth: 17 inches.
 - c. Bottle Capacity: 36.

2.3 FINISHES

(Specifier Note: SELECT species from one of four paragraphs below. SELECT stain color choice from remaining options.)

- A. Premium Redwood, **[Unstained] [Light Danish][Classic Mahogany Stain][Dark Walnut] [Midnight Black]**.
- B. All-Heart Redwood, **[Unstained] [Light Danish][Classic Mahogany Stain][Dark Walnut] [Midnight Black]**.
- C. Poplar, **[Unstained] [Light Danish][Classic Mahogany Stain][Dark Walnut] [Midnight Black]**.
- D. Red Oak, **[Unstained] [Light Danish][Classic Mahogany Stain][Dark Walnut] [Midnight Black]**.

PART 3 - EXECUTION

3.1 GENERAL

- A. Install wine storage equipment in accordance with manufacturer's installation guidelines and recommendations.

3.2 EXAMINATION

- A. Locate equipment in compliance with manufacturer recommendations. Verify conditions are within recommended tolerances and meet local codes.

3.3 CLEANING AND PROTECTING

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

END OF SECTION