Wine Racks

Contents

3form

Materials & Lighting Specifications

Materials

Chroma is ideal for any lit applications that also require rigidity and durability.

Preferred specification:

· ½" or 1" Chroma (good for lighting and seaming)
· Renewable matte (good for refinishing/scuffs)

Alternate specification:

· 1" Varia
· To meet Class A fire rating
· When loose joints are acceptable over seams

Lighting

Lighting specifications: 3fit White or 3fit RGB

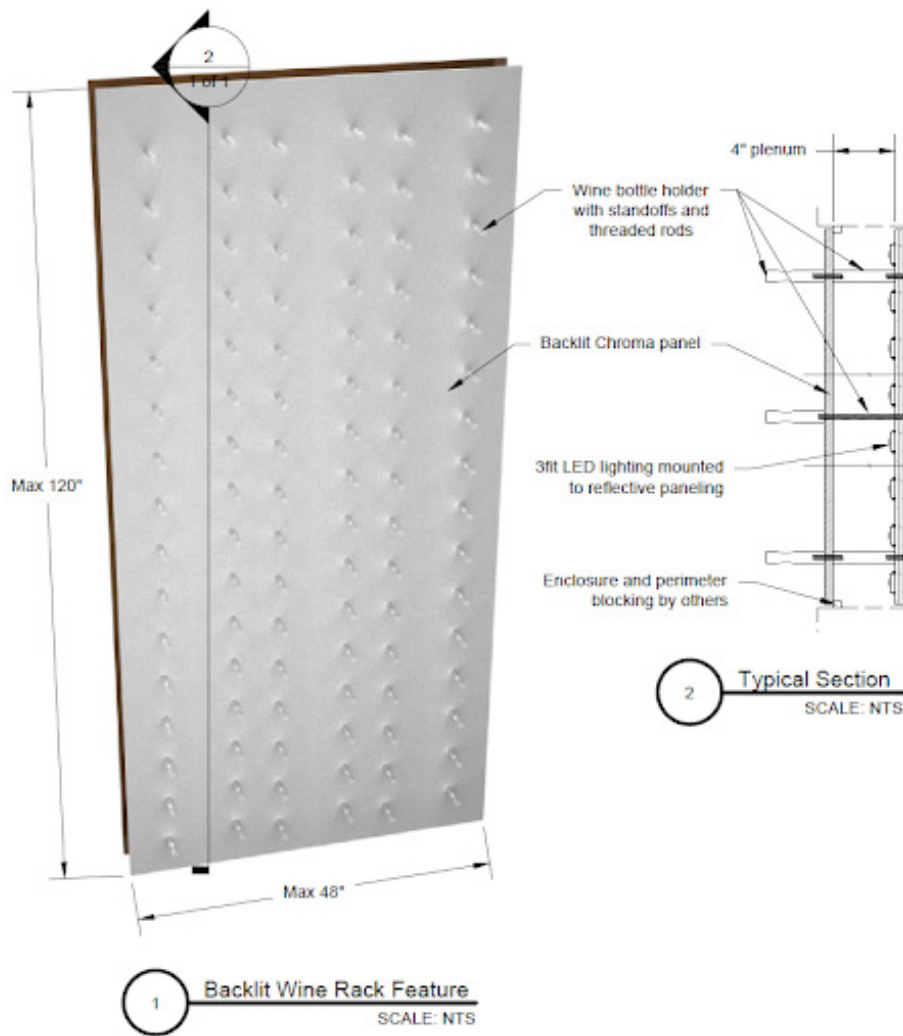Plenum Depth: 2"– 6". Price will decrease as the plenum depth increases

Diagrams and Details

This diagram outlines the construction of the rack. Each of the pegs will tighten over a threaded rod to give needed support for the weight of the bottles. To support the Chroma or Varia panel, Point Support barrels will be placed around perimeter behind select wine pegs. See next page for barrel locations and quantities.

Most of the pegs will not have a Point Support barrel behind. In these conditions, the threaded rod supporting the wine peg will thread back to the wall structure.
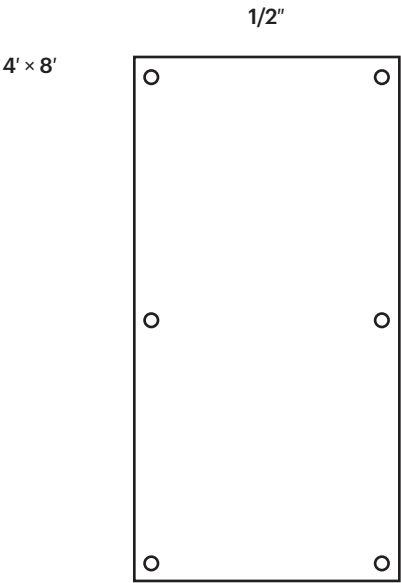
45 bottles per 4' × 8' and 51 per 4' × 10'

Max 120"

Max 48"

Wine bottle holder with standoffs and threaded rods

Backlit Chroma panel

3ft LED lighting mounted to reflective paneling

Enclosure and perimeter blocking by others

4" plenum

2 Typical Section
SCALE: NTS

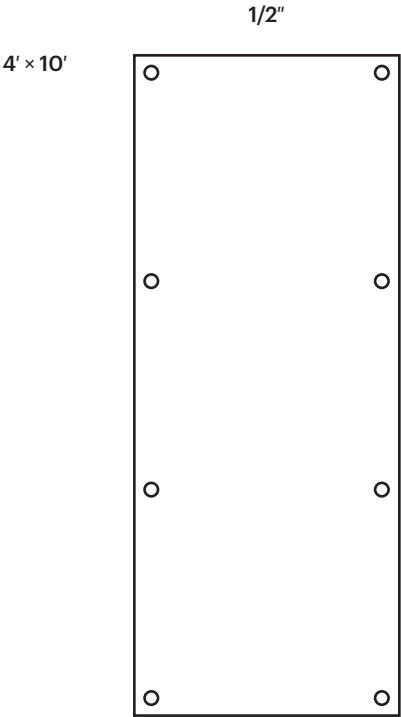1 Backlit Wine Rack Feature
SCALE: NTS

Diagrams and Details

Barrels should be placed around perimeter to properly support the Chroma or Varia panel. The quantity of barrels is indicated by the size of the sheet (see diagram).

All other wine peg locations to be threaded rod pass-thru to wall behind (no barrels needed).

4′ × 8′

1/2″

Allows up to 51 bottles when mounted perpendicular to the wall

4′ × 10′

1/2″

Allows up to 51 bottles when mounted perpendicular to the wall

Diagrams and Details

The wine bottles can be mounted in (2) configurations:

· Parallel to the wall
· Perpendicular to the wall

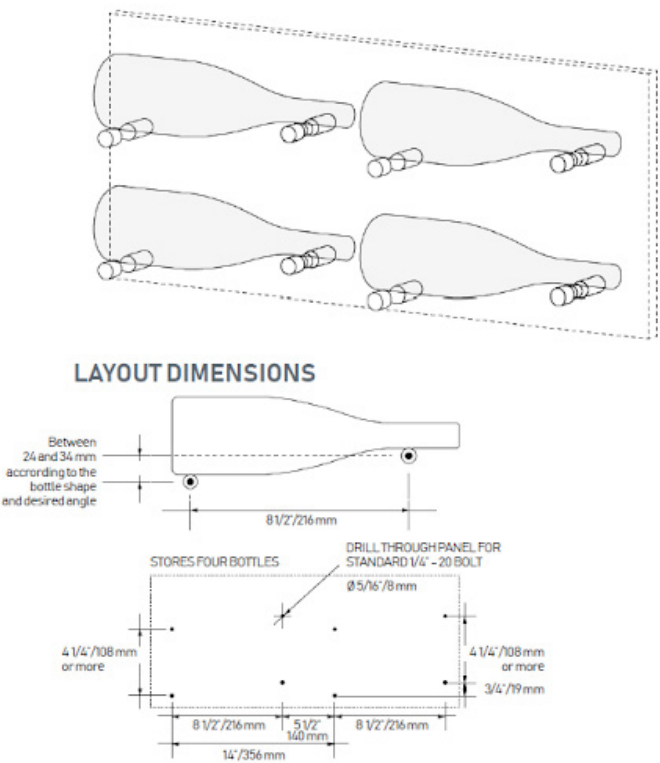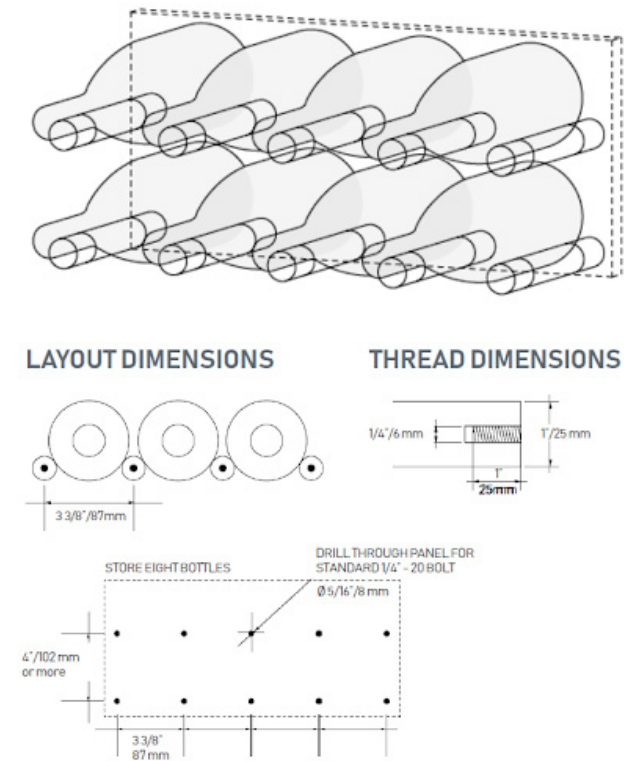More bottles can fit per panel when mounting perpendicular to the wall (Diagram 2)

Diagram 1

LAYOUT DIMENSIONS

Between 24 and 34 mm accrording to the bottle shape and desired angle

8 1/2"/216mm

STORES FOUR BOTTLES

DRILL THROUGH PANEL FOR STANDARD 1/4"–20 BOLT
Ø5/16"/8 mm

4 1/4"/108 mm or more

4 1/4"/108 mm or more

3/4"/19 mm

8 1/2"/216 mm   5 1/2" 140 mm   8 1/2"/216 mm

14"/356 mm

Diagram 2

LAYOUT DIMENSIONS

3 3/8"/87mm

THREAD DIMENSIONS

1/4"/6 mm   1"/25 mm

1" 25mm

STORE EIGHT BOTTLES

DRILL THROUGH PANEL FOR STANDARD 1/4"–20 BOLT
Ø5/16"/8 mm

4"/102 mm or more

3 3/8" 87mm

Design Options

3form can provide a full turn-key solution, including the following:

- Backlighting
- Pegs
- Support hardware for panels
- Installation

What options for variation are there?

- Pegs: acrylic vs stainless
- Material: Chroma or Varia

What does customer have to cover?

- Field measurements, material and drawing approvals