



MODERN STORE
EQUIPMENT



Walk-In Cooler Build To Order Design Guide

**All walk-ins are not
created equal.**

**Modern Store Equipment
can help you build the
right walk-in cooler
for your space, traffic
and budget.**



877.532.8433

Modern Store Equipment has been offering quality custom glass door walk-ins since 1958. We also offer pre-engineered walk-ins for liquor stores, convenience stores and supermarkets.

As experts in beverage retail, we know the challenges store owners face. We have created this Design Guide to provide the information you need to get the right walk-in for your store needs.

Financing Available

For more information,
email sales@modernstoreequipment.com
or call **877.532.8433**.



modernstoreonline.com

We start with the highest quality materials to assure a worry-free walk-in for years to come.



Urethane Panels

This is where efficiency begins. Urethane panels are the walls of the walk-in.

Our walk-ins are constructed of *CFC-free* foamed-in-place or solid wall urethane panels. To provide you with greater long-term

energy savings, our panels are rated R32, exceeding the Energy Independence & Security Act requirement of an R25 rating. The higher rating results in better insulation for your walk-in, keeping the chill where it belongs.

How is the R value calculated? By measuring the resistance to heat flow through a thickness of material. The higher the R-value, the more difficult it is for the warmth of your store environment to enter your walk-in, keeping your cold products cold. That means energy savings for you.

Lighting

We specify state-of-the-art LED lighting for walk-ins. Not only do they burn cooler than fluorescent lighting, they also cost less to run, resulting in 62% energy savings over fluorescent lighting.



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Refrigeration Systems

To determine the appropriate refrigeration system, we use a propriety method to calculate the exact power needs based on walk-in size, location, surroundings, climate and other factors.

Precise calculation of the refrigeration system is critical to your bottom line. Oversized systems cost more to purchase and require more energy to run. Oversized refrigeration systems also negate costly systems in place to manage humidity. The result of purchasing more refrigeration than you need: wasted dollars after wasted dollars.

Our calculator was developed specifically for walk-ins by a refrigeration engineer. You can be assured you will get the right size for your needs... as well as years of worry-free service.

Also available: Super Cold Beer Systems to chill to 30°



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**We'll help you design
your custom walk-in
cooler in 5 steps.**

- 1** Choose Shape
- 2** Choose Doors
- 3** Choose Shelving
- 4** Choose Finishes
- 5** Consider Your Options



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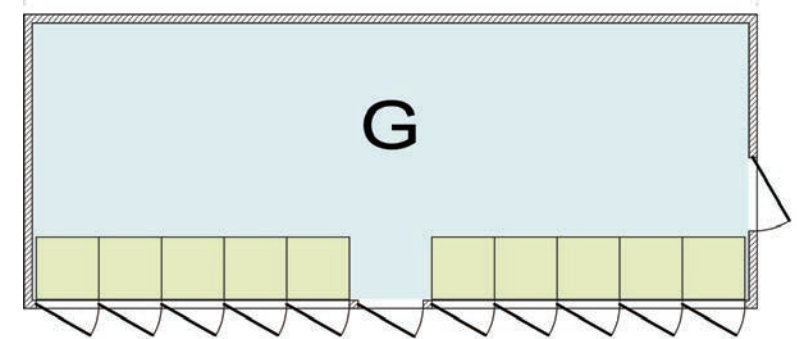
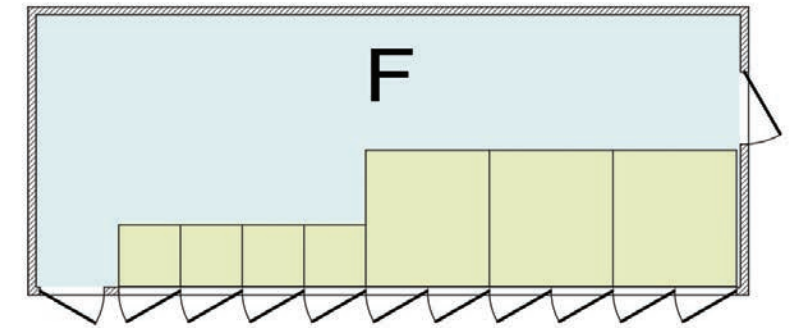
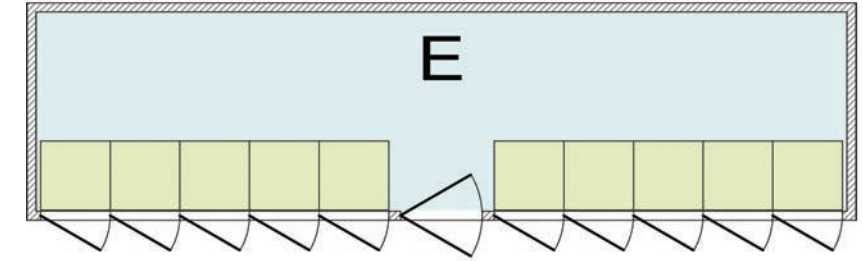
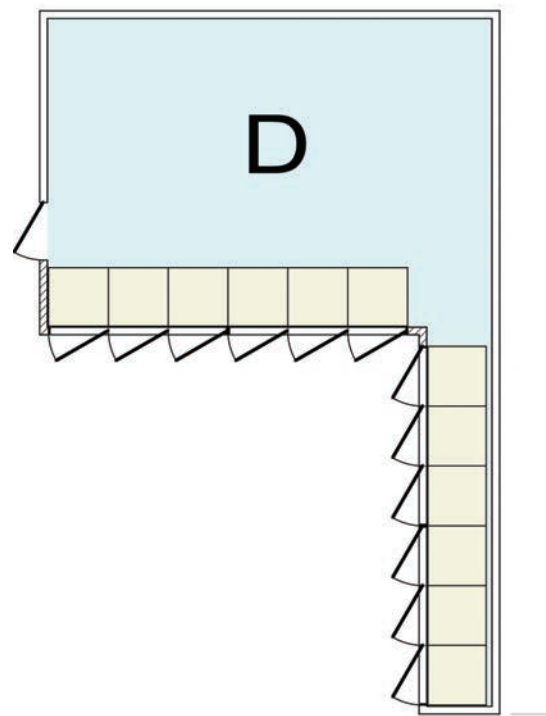
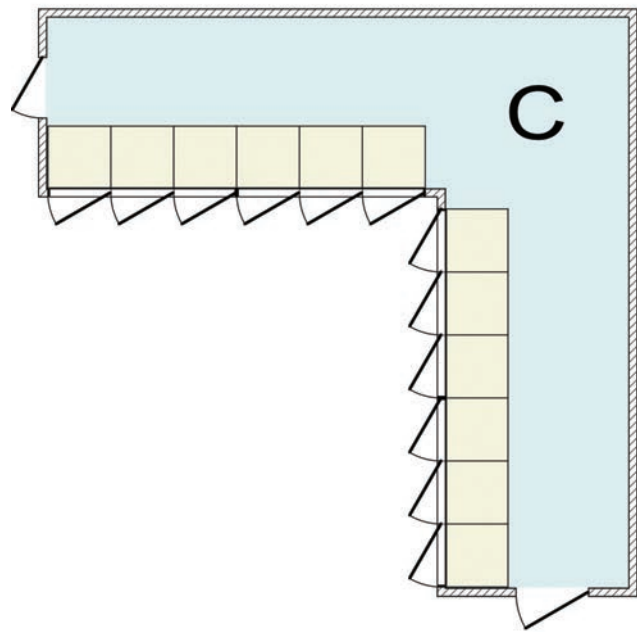
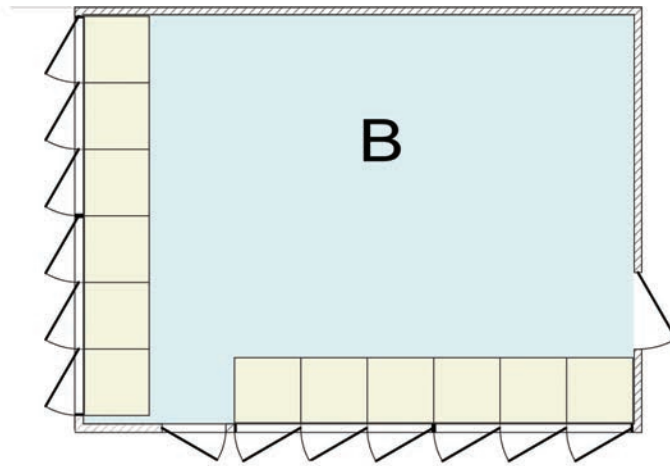
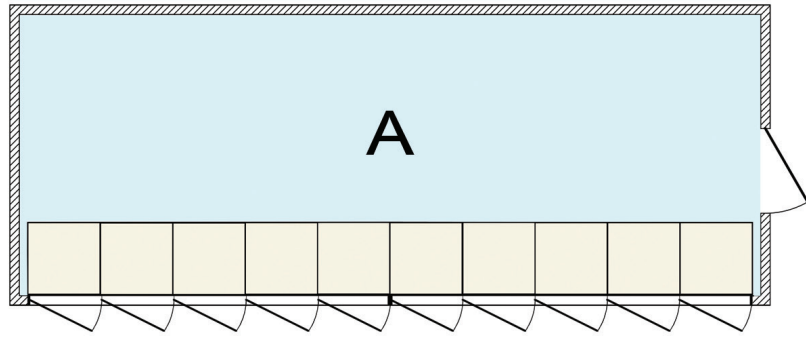
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**STEP
1**

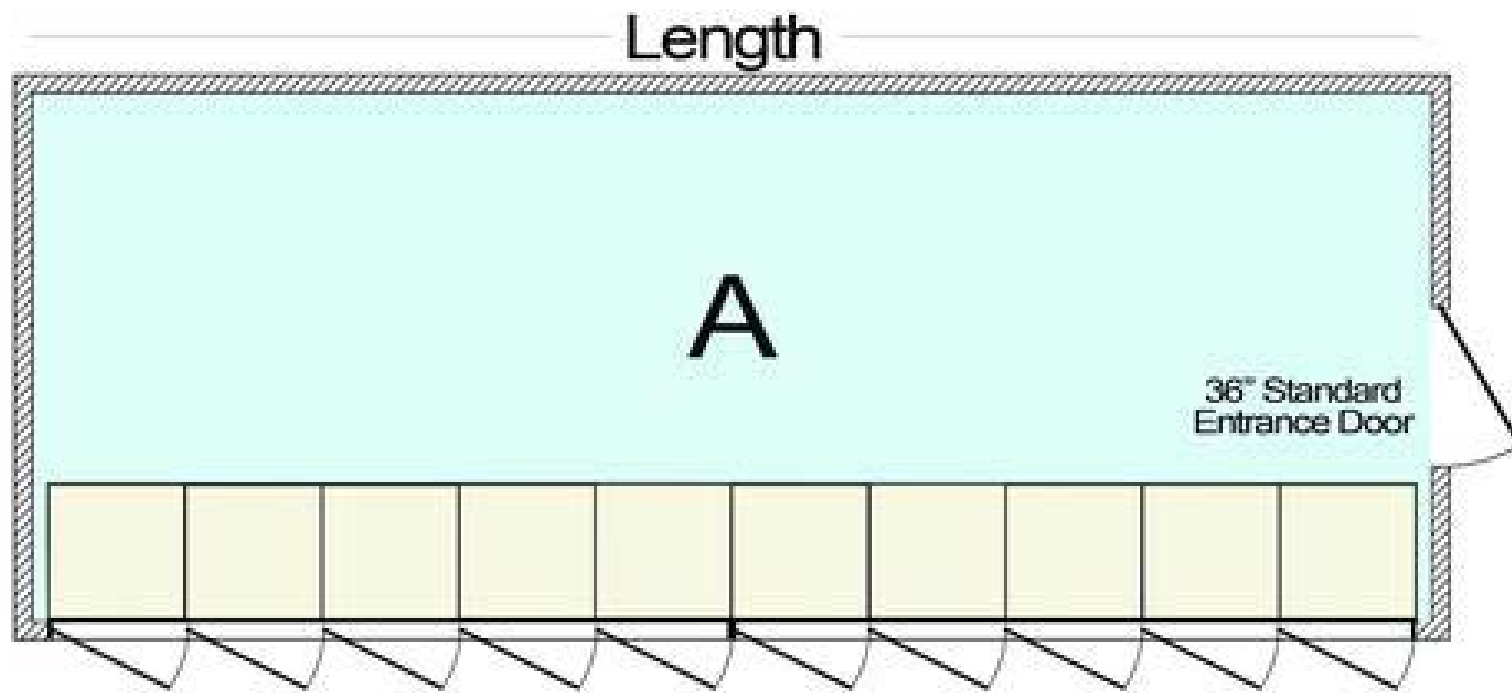
**Choose the shape that
works best for your space.**



Standard Shapes



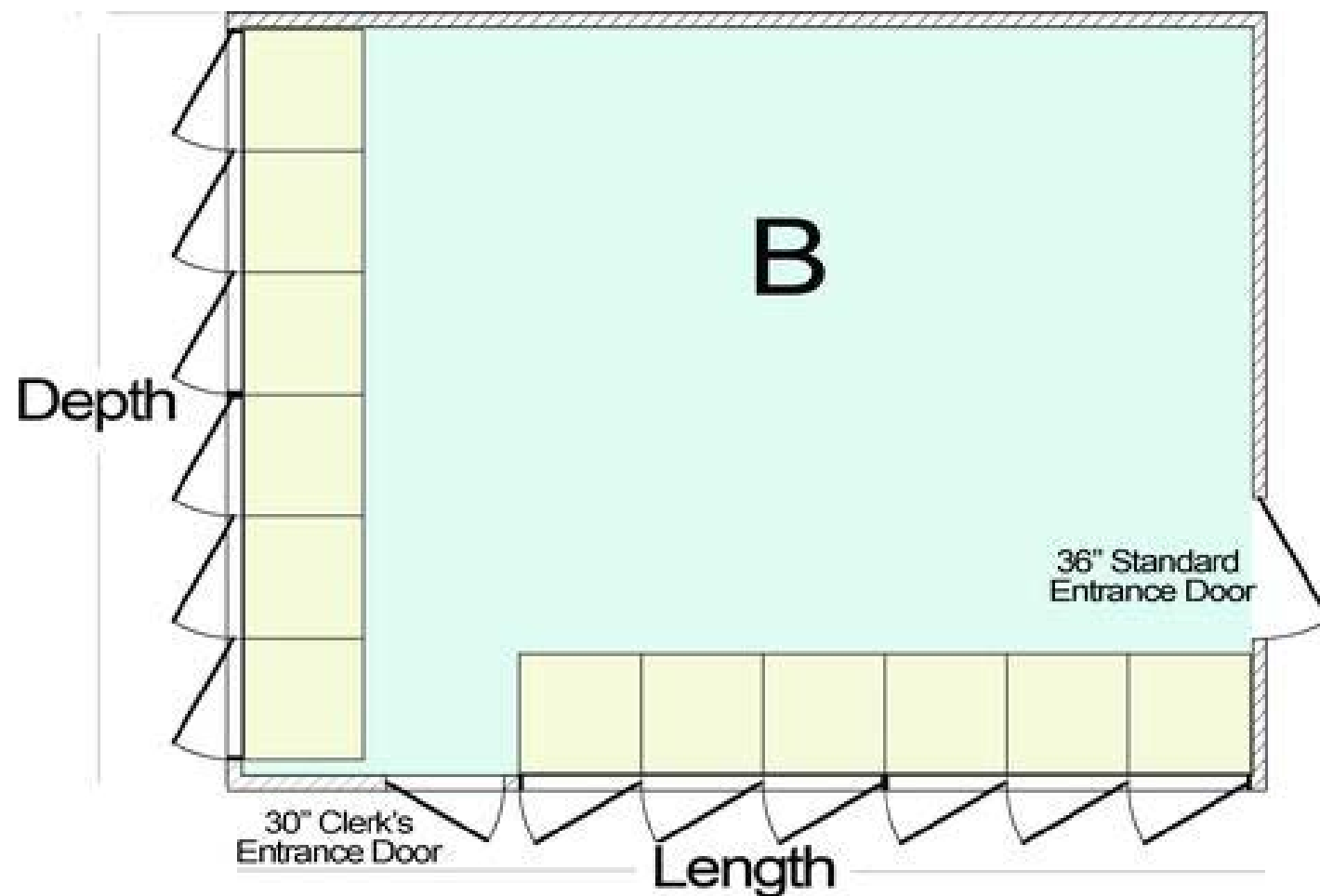
Shape A



- 36" entrance door at one end.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors	Minimum Space Required in Feet
8	22
9	24.5
10	27
11	29.5
12	32
13	34.5
14	37
15	39.5
16	42
17	45
18	47.5
19	50
20	52.5

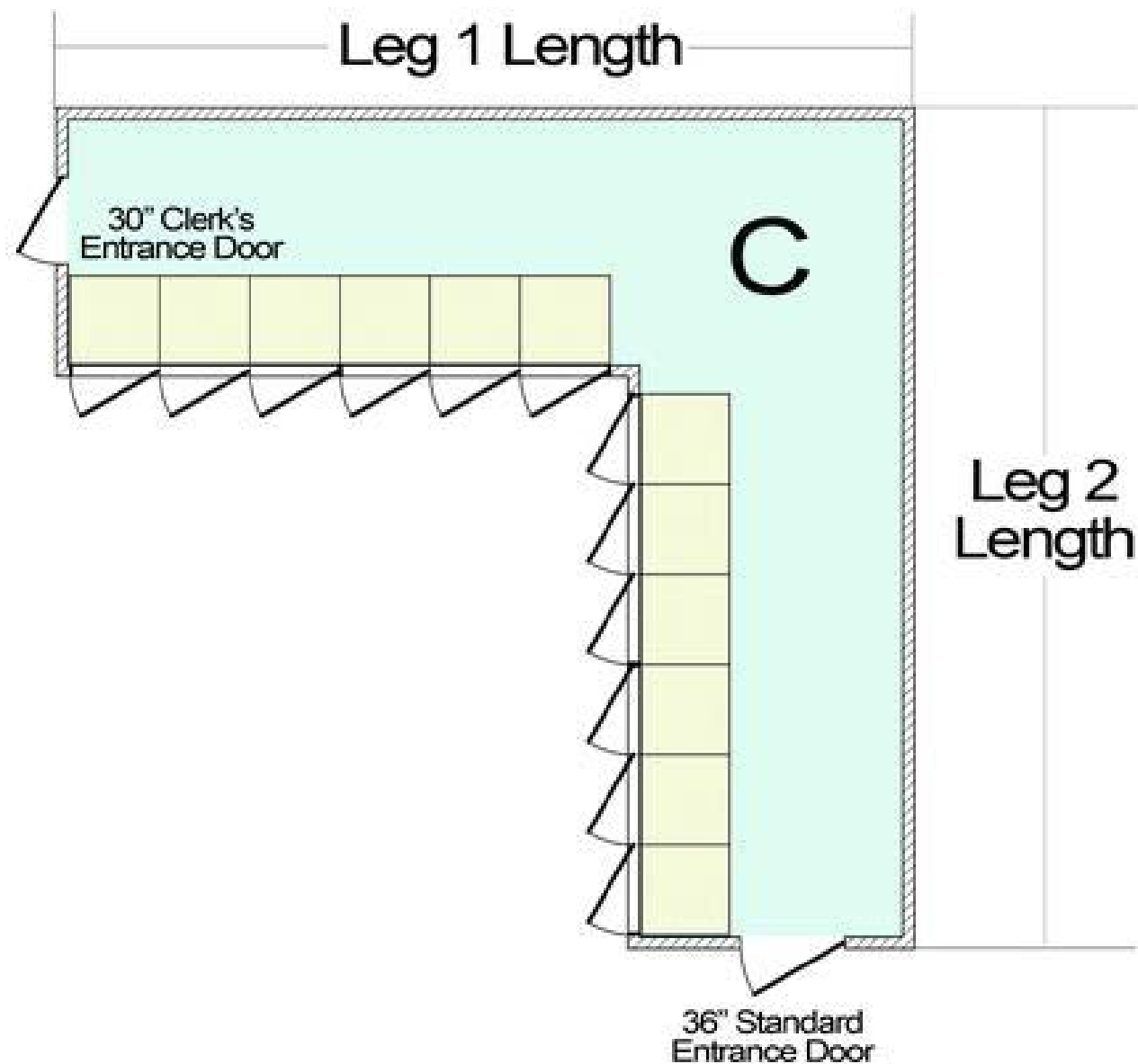
Shape B



- 36" entrance door for customers and 30" clerk entrance door.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors On Each Side	Minimum Space Required in Feet (Leg 1)	Minimum Space Required in Feet (Leg 2)
3	17	17
4	19.5	19.5
5	22	22
6	25	25
7	27.5	27.5
8	30	30
9	32.5	32.5
10	35	35
11	38	38
12	40.5	40.5
13	43	43
14	45.6	45.6
15	48	48
16	50.5	50.5
17	53	53
18	55.5	55.5
19	58.5	58.5
20	61	61
21	63.5	63.5
22	66	66
23	68.5	68.5
24	71	71
25	73.5	73.5
26	76.5	76.5
27	79	79
28	81.5	81.5
29	84	84
30	86.5	86.5

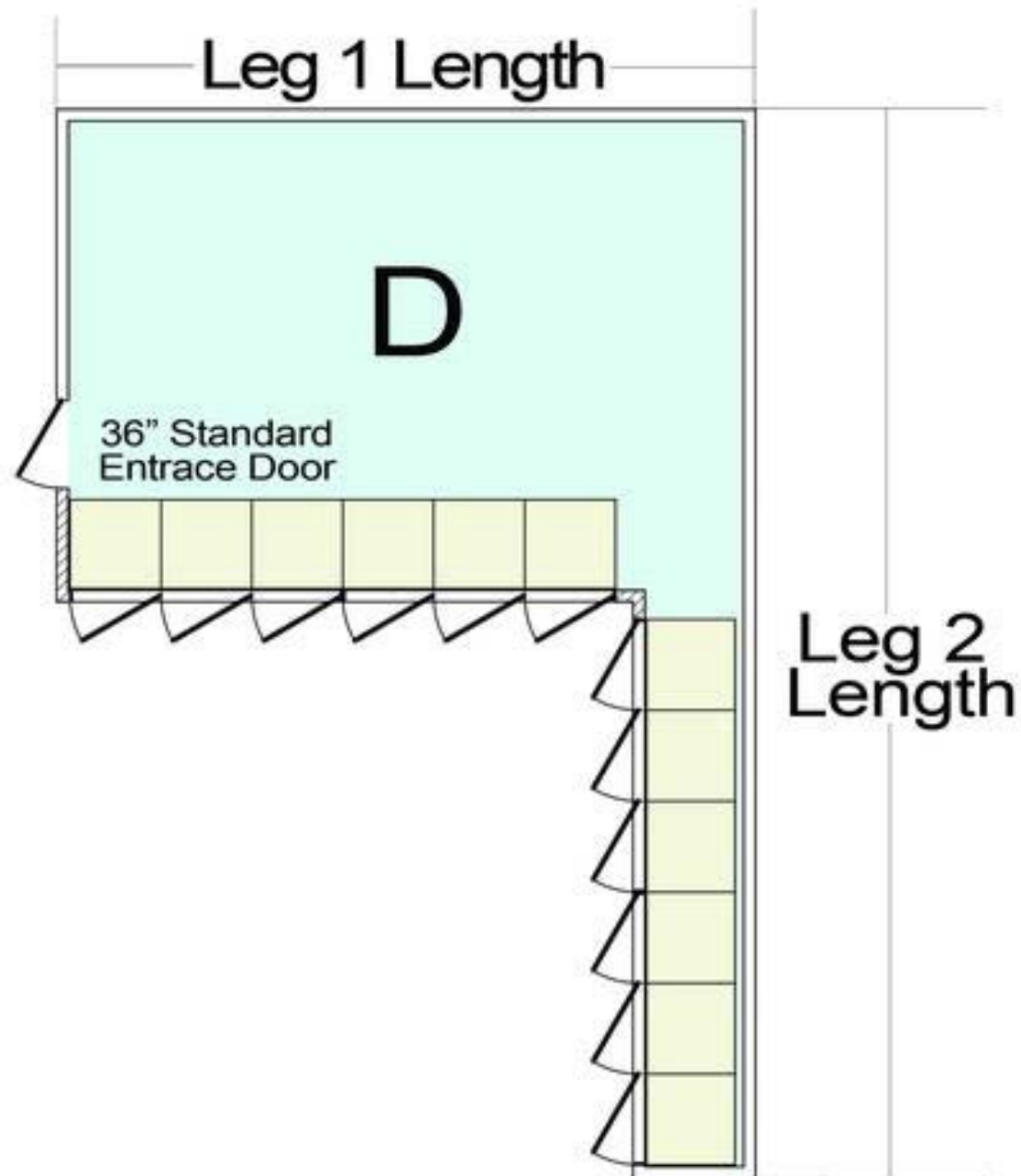
Shape C



- 36" entrance door for customers and 30" clerk entrance door.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors On Each Side	Minimum Space Required in Feet (Leg 1)	Minimum Space Required in Feet (Leg 2)
3	17	17
4	19.5	19.5
5	22	22
6	25	25
7	27.5	27.5
8	30	30
9	32.5	32.5
10	35	35
11	38	38
12	40.5	40.5
13	43	43
14	45.6	45.6
15	48	48
16	50.5	50.5
17	53	53
18	55.5	55.5
19	58.5	58.5
20	61	61
21	63.5	63.5
22	66	66
23	68.5	68.5
24	71	71
25	73.5	73.5
26	76.5	76.5
27	79	79
28	81.5	81.5
29	84	84
30	86.5	86.5

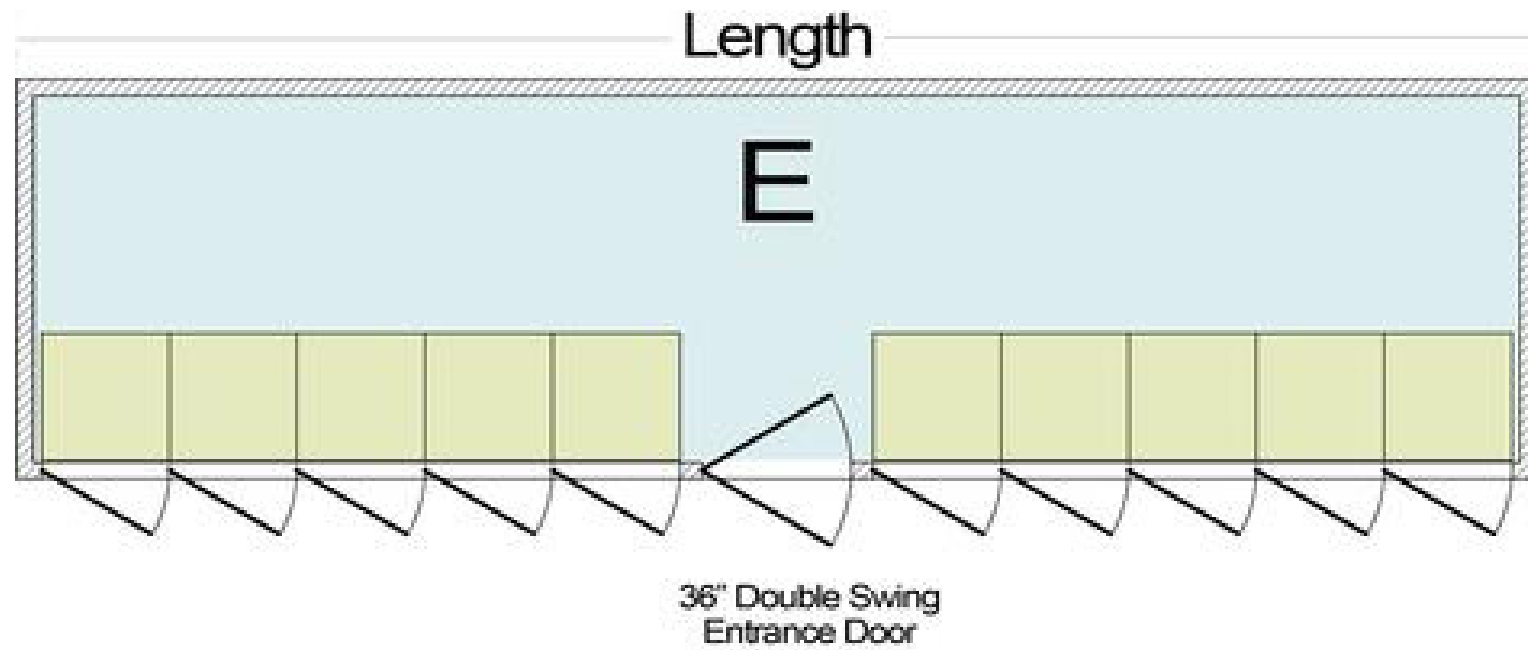
Shape D



- 36" entrance door on the Leg 2 (depth) side.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors	Minimum Space Required in Feet Leg 1 (Top)	Minimum Space Required in Feet Leg 2 (Right)
3	12.5	21
4	15	23.5
5	17.5	26
6	20.5	29
7	23	31
8	25.5	34
9	28	36.5
10	30.5	39
11	33.5	41.5
12	36	44
13	38.5	46.5
14	41	49.5
15	43.5	52
16	46	54.5
17	49	57
18	51.5	59.5
19	54	62
20	56.5	65
21	59	67.5
22	61.5	70
23	64	72.5
24	67	75
25	69.5	77.5
26	72	80.5
27	74.5	83
28	77	85.5
29	79.5	88
30	82	90.5

Shape E

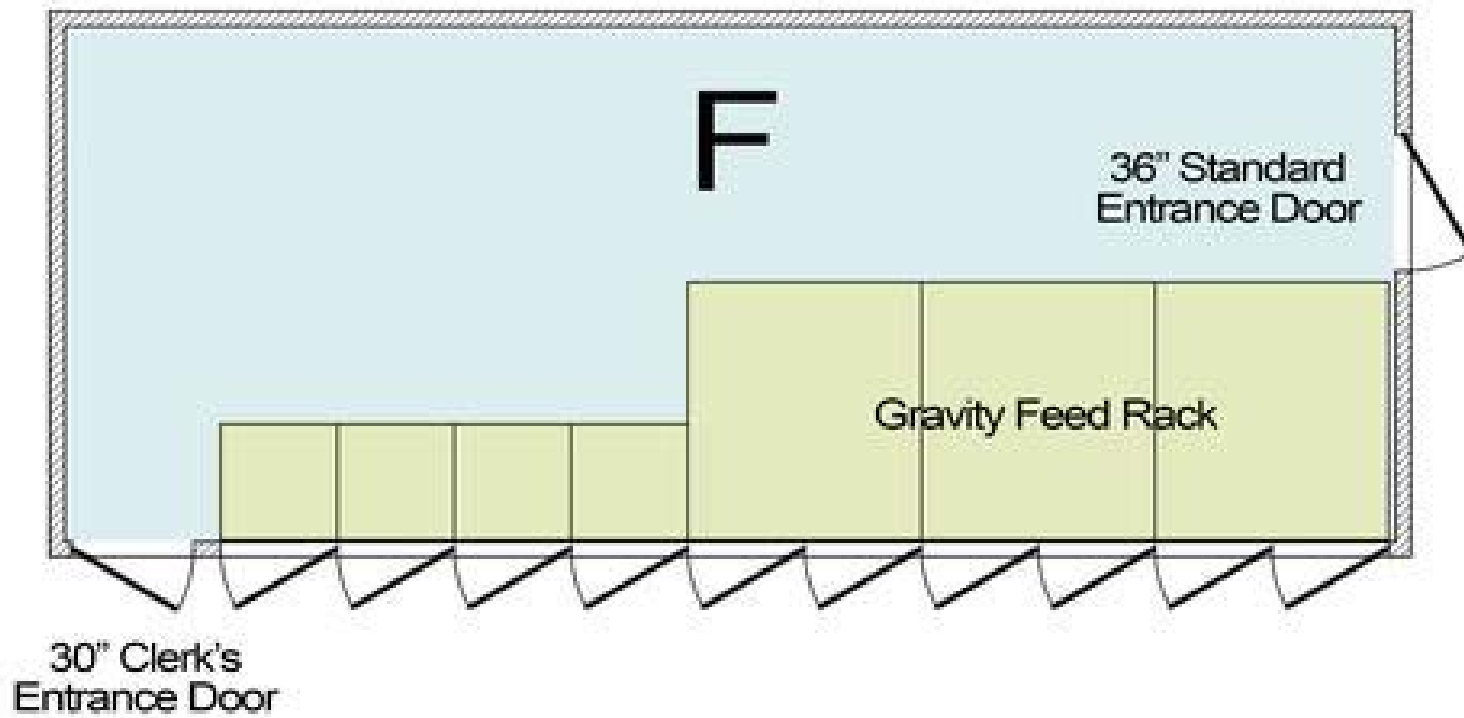


- 36" entrance door in the center"
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors	Minimum Space Required in Feet
8	25.5
9	28
10	30.5
11	33.5
12	36
13	36.5
14	41
15	43.5
16	46
17	48.5
18	51
19	54
20	56.5
21	59
22	62
23	64.5
24	67
25	69.5
26	72
27	74.5
28	77
29	79.5
30	82

Shape F

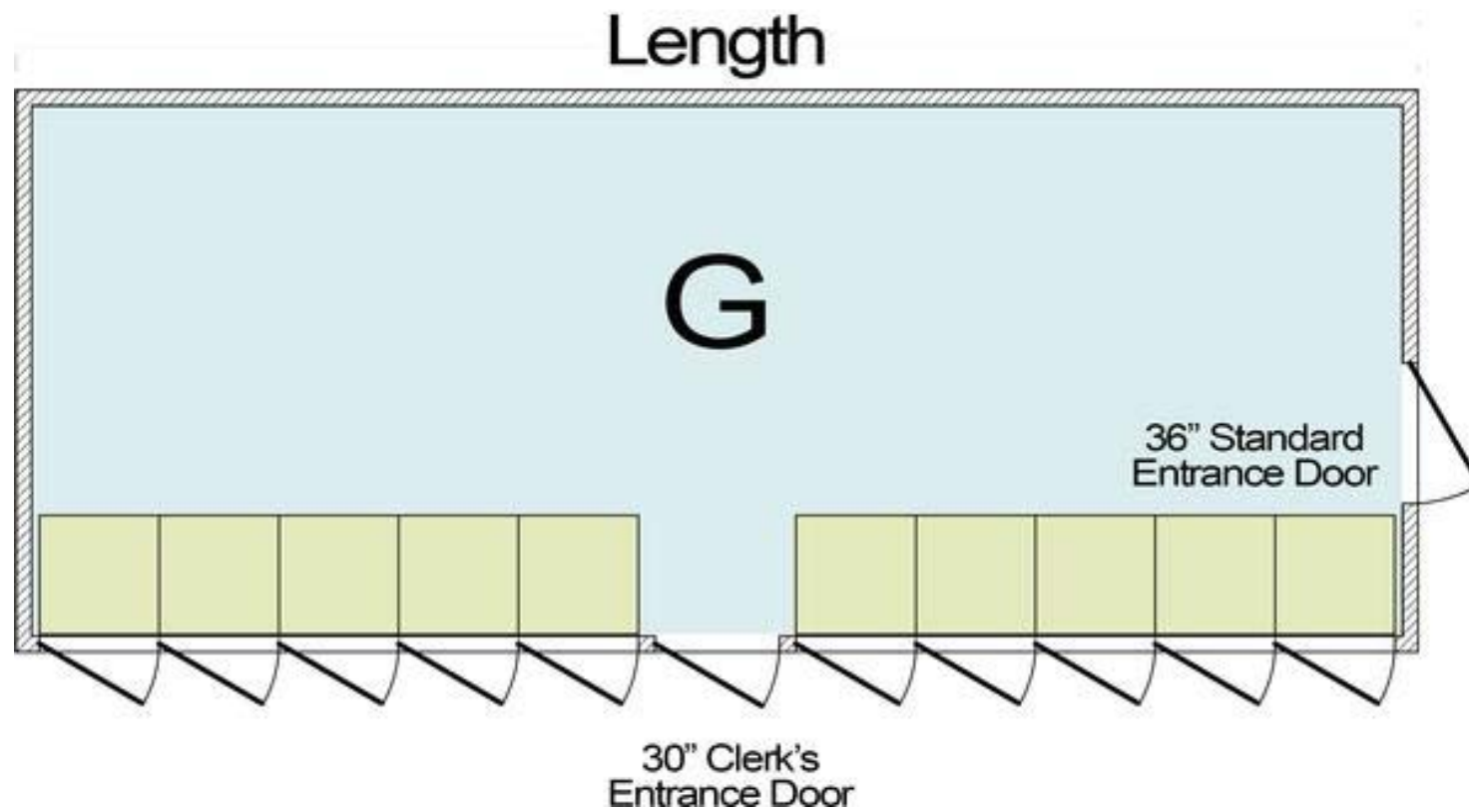
Length



- 36" entrance door for customers and 30" clerk entrance door.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors	Minimum Space Required in Feet
8	25
9	27.5
10	30
11	33
12	35.5
13	38
14	40.5
15	43
16	45.5
17	48
18	50.5
19	53.5
20	56
21	58.5
22	61.5
23	64
24	66.5
25	69
26	71.5
27	74
28	76.5
29	79
30	81.5

Shape G



- 36" entrance door for customers and 30" clerk entrance door.
- Available with any number of doors to fit your space and needs.
- Standard door size is 30" x 79". Other sizes available upon request.

Number of Doors	Minimum Space Required in Feet
8	25
9	27.5
10	30
11	33
12	35.5
13	38
14	40.5
15	43
16	45.5
17	48
18	50.5
19	53.5
20	56
21	58.5
22	61.5
23	64
24	66.5
25	69
26	71.5
27	74
28	76.5
29	79
30	81.5

**STEP
2**

**Choose the customer-facing
and staff entry doors.**



Choose the Customer-Facing Doors.

We specify glass doors from Energy Door Company for our display walk-ins.

EDC provides highly efficient, technologically-advanced merchandising solutions for liquor stores, supermarkets, and convenience stores around the world, with a modern and constantly evolving manufacturing facility in North America.



Prime™ Door System

A medium temperature, low-energy door engineered to be lightweight and maximize merchandise visibility.

- Frame gasket
- Elliptical handle
- High-performance glass
- Continuous or full flange
- French swing configuration
- 90° hold open
- Torque master tension adjustment
- Dual seal insulated glass



Select™ Door System

Engineered to meet the exacting real-world requirements of energy-conscious retailers. Featuring superior energy-efficient technology and an attractive low maintenance design that increases product visibility and boosts sales.



- Energy free medium temperature doors
- Medium or low temperatures
- Standard led lighting
- Field reversible door
- Magnetic door gasket
- High impact metal handle
- High efficient high-performance glass
- Continuous or full flange
- 90° hold open
- Torque master tension adjustment
- Dual seal insulated glass



Beer Cave Doors:

Your choice of fully automated entry system with electronic eye plus motion and threshold sensors or pull/push open with industrial strength construction.



Choose the Entry Doors.

We offer a range of entry doors to fit your store traffic and access demands.



Standard:

26-gauge natural-embossed silver Galvalume. 72" H x 30" W, 36" W and 48" W. Custom sizes and finishes also available.



Double Swing:

Fully gasketed, insulated aluminum clad door with stainless steel kick. Single leaf door available 72" H x 30" W and 36" W. Double leaf doors available 72" H x 48" W, 60" W and 72" W.



Glass Pass Thru:

Featuring 90° hold-open, magnetic seal, and Torquemaster for easy adjustment and closing tension. Available in all glass (2-pane and 3-pane options), or 1/3 glass & 2/3 solid panel. 72" H x 30" W and 36" W.

Equipment-Access Sliding Doors:

Fully automated sliding doors allowing materials handling access for staff. 26-gauge natural-embossed silver Galvalume. Available 72" W and larger.

Strip Curtains:

6" and 8" wide PVC strip material available in 2 grades. Polar grade to withstand temperatures down to -20°F and standard grade for coolers.



STEP
3

Choose the shelving.



Walk-ins often need a variety of shelving options to maximize inventory capacity and stocking efficiency while making it easy to shop. Frequently, we deliver walk ins that use 2 or 3 shelving styles in the same unit. We can help you determine which combination of shelving styles will work best for your store's inventory.



Gravity Feed Rack — The Case Crusader!

Gravity Feed Rack's angled shelves let the inventory flow forward as inventory is sold. You assure cold product is always accessible to customers. Reduces stocking time by up to 33%. Standard depth: 60". Additional depths available: 36", 42", 48". Includes price tag molding.



Epoxy Coated Shelving — The 6-Pack Solution!

Standard flat shelving constructed for durability in the walk-in setting. Standard depth: 27" – which holds three 6 pack facings. Optional depth: 36" – which holds a full case in one facing. Includes price tag molding.



Mini Roller — The Single Serve Slider!

This one-piece roller shelf surface turns normal shelves set at an angle into gravity feed shelves. allows multiple-size facings on the same shelf to **slide smoothly and independently** to the front of the shelf as items are sold. Ideal for single serve beverages.



STEP
4

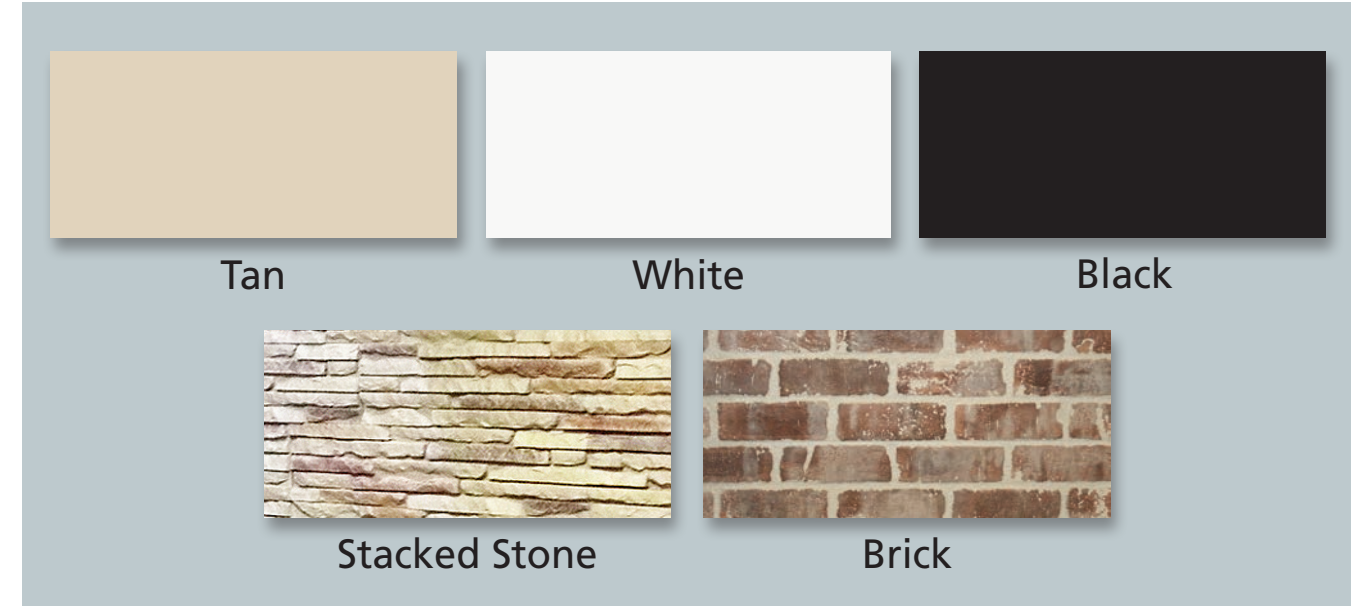
Choose from
6 stylish finishes.



Our standard finish is 26-gauge natural-embossed silver Galvalume, 55% Aluminum-Zinc alloy coated sheet steel.



Also available: Tan, white and black Galvalume, faux brick and faux stacked stone.



STEP
5

Consider your options.



877.532.8433

We can help you customize your walk-in to meet your store's needs.



modernstoreonline.com

We also offer pre-engineered walk-ins to meet your needs.

These popular walk-ins are available in 8-door, 10-door and 20-door models. You can choose from 2 refrigeration systems — for convenience store / supermarket demands or for liquor store needs.

Modern Store Equipment also offers 2 pre-designed beer cave coolers to enhance your beer department.



8 Door Display Walk-in Refrigerator with Glass Doors

- 21'4" L x 8' W x 8' H box with 3.5" thick urethane insulation
- 26 gauge natural embossed galvanized finish
- 36" entrance door on right side with right hand hinge
- Entrance door includes lock and light
- All glass doors have standard left side hinging
- Choice of refrigeration systems
 - Convenience/Supermarket System: 2.5 horsepower Russell outdoor refrigeration system with one 3-fan blower
 - Liquor Store System: 3.25 horsepower HD Russell outdoor refrigeration system with one 4-fan blower
- 30" W x 79" H glass doors with T-8 Fluorescent lighting and standard black frames
- 401 LED lighting optional
- Floor not included
- Seven 27" deep epoxy coated wire shelves per door
- Requires assembly





10 Door Display Walk-in Refrigerator with Glass Doors

- 26'5" L x 8' W x 8' H box with 3.5" thick urethane insulation
- 26 gauge natural embossed galvanized finish
- 36" entrance door on right side with right hand hinge
- Entrance door includes lock and light
- All glass doors have standard left side hinging
- 3.25 horsepower HD Russell outdoor refrigeration system with two 2-fan blowers
- 30" W x 79" H glass doors with T-8 Fluorescent lighting and standard black frames
- 401 LED lighting optional
- Floor not included
- Seven 27" deep epoxy coated wire shelves per door
- Requires assembly



20 Door Display Walk-in Refrigerator with Glass Doors

- 52" L x 8' W x 8' H box with 3.5" thick urethane insulation
- 26 gauge natural embossed galvanized finish
- 36" entrance door on right side with right hand hinge
- Entrance door includes lock and light
- All glass doors have standard left side hinging
- Choice of refrigeration systems
 - Convenience/Supermarket System: 4 horsepower Russell outdoor refrigeration system with one 3-fan blower
 - Liquor Store System: 5 horsepower HD Russell outdoor refrigeration system with one 4-fan blower
- 30" W x 79" H glass doors with T-8 Fluorescent lighting and standard black frames
- 401 LED lighting optional
- Floor not included
- Seven 27" deep epoxy coated wire shelves per door
- Requires assembly





1-Door Beer Cave

- 8' W x 8' D x 8' L box (outside dimensions) with urethane insulation
- 26-gauge natural embossed galvanized finish
- 1 entrance door (optional lock and light available.)
- 1.0 horsepower HD Russell outdoor refrigeration system (one 2-fan blower)
- Standard unit does not include floor.



2-Door Beer Cave

- 8' W x 16' D x 8' L box (outside dimensions) with urethane insulation
- 26-gauge natural embossed galvanized finish
- 2 entrance doors (optional lock and light available.)
- 1.25 horsepower HD Russell outdoor refrigeration system (one 2-fan blower)
- Standard unit does not include floor.



We also offer Quick-Ship Amerikooler Storage Walk-Ins.



877.532.8433

Our indoor and outdoor storage walk-ins are available with and without floors, with no refrigeration, remote refrigeration, or top-mount self-contained refrigeration.

Available in 7 sizes with either 30" or 36" door centered on either side.

50 year thermal warranty on insulation • 15 year original panel warranty • 1 year original panel labor warranty • 1 year original parts warranty

To shop, visit modernstoreonline.com or call **877.532.8433**.



modernstoreonline.com



877.532.8433

Sales@modernstoreequipment.com

Shop modernstoreonline.com