ROOF HATCHES
HEAT AND SMOKE VENTS
SIDEWALK AND FLOOR DOORS
May 2020

MILCOR

HART COOLEY
EXPERIENCE
Milcor brings over 105 years of experience in the manufacturing of roof hatches, smoke vents and floor doors. Our years of experience gives us the knowledge to provide top of the line, dependable products to our customers.

ENGINEERING
Every Milcor vent, hatch or door product is engineered to meet the specific in-use requirements of the application for which it was designed.

SELECTION
The Milcor product line contains the items to meet your construction needs.

ON-TIME DELIVERY
Milcor satisfies your need for on-time delivery of our products to meet your schedules.

QUALITY
Milcor smoke vents, roof hatches and floor doors provide superior performance features unequalled elsewhere in the industry.

WARRANTY
Milcor warrants all goods sold to be free from defects in workmanship, but limits liability to five years from date of shipment and expressly to the replacement of goods not complying with this warranty; or, at our election, a credit to original purchaser for the original purchase price paid less \( \frac{1}{60} \) of the price for each month elapsed from the original invoice date to the date of claim against this warranty.

Electric motors, special finishes and any other optional special components required shall be warranted separately by the manufacturers of those products.
ROOF ACCESS HATCHES

EE Hatch
Milcor’s Energy Efficient series hatches have an R-value of 12 and include 2 inches of polyisocyanurate insulation in both the curb and cover.

M-1
The Milcor M-1 Hatch is our most popular access hatch. The M-1 is FL product approved carrying a 70 psf and is powder coated to withstand the element.

Personnel
Milcor’s Personnel Roof Access Hatches provide convenient access to the building’s roof. These include hatches that accommodate ladder, ship stair and service stair access.

Equipment
Larger Double Leaf Hatches to allow for equipment to be dropped into or loaded out of the building.

Safety Products
*Safety Rail Systems  *Upright Safety Bar

Hatch Options

SMOKE VENTS

Low Profile
Smaller sized smoke vents. UL-793 Listed to provide fire protection.

Big Smoky
Larger sized smoke vents. UL-793 Listed and to provide fire protection.

Acoustical
Acoustically rated to either STC 40 or STC 50 to meet the building’s specific needs. STC-40’s carry FM Approval and the STC 50 is UL-793 Listed to provide fire protection.

Flat Panel Skylight
Smoke Vent with flat polycarbonate panels to allow for the admittance of natural light into the building.

Domed Skylight
Smoke Vent with polycarbonate domes to allow for the admittance of natural light into the building. UL-793 Listed to provide fire protection.

Smoke Vent Options
# FLOOR & SIDEWALK DOORS

<table>
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<tr>
<th>Option</th>
<th>Page</th>
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<tbody>
<tr>
<td>Non-Security</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>Equipped with lift ring for easy access for use in non-secure environments.</td>
</tr>
<tr>
<td>Security</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Snap latches with removable top handles prevent undesired access.</td>
</tr>
<tr>
<td>Flush Cover: Security</td>
<td>28</td>
</tr>
<tr>
<td></td>
<td>Flush cover with safety tread plate and security snap latches with removable top handles to prevent undesired access.</td>
</tr>
<tr>
<td>Sidewalk</td>
<td>29</td>
</tr>
<tr>
<td></td>
<td>For Exterior Access Applications or where interior moisture conditions require drainage provisions.</td>
</tr>
<tr>
<td>Floor &amp; Sidewalk Door Options</td>
<td>30</td>
</tr>
</tbody>
</table>
Features & Benefits

- Fully insulated cover and curb
- High load capacity reaching up to 70 psf
- Interior and Exterior Padlock Hasps as standard
- Lift Assistance for easy opening
ROOF ACCESS HATCHES

EE SERIES

SPECIFICATIONS

- **Material:**
  - M: 14 gauge galvanized steel cover and Curb
  - RD: .090 Aluminum Cover and Curb
- **Finish:**
  - Galvanized Steel: White Powder Coat
  - Aluminum: Mill Finish
- **Cover:** covers open easily to 90 degrees
  - M: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner with 2” Polyisocyanurate insulation.
  - RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 2” Polyisocyanurate insulation
- **Curb:**
  - M: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner, a 12” high curb, integral counterflashing, 4½” wide mounting flanges with pre-drilled holes and 2” Polyisocyanurate insulation.
  - RD: Mill finish .090 aluminum exterior with .063 aluminum liner, a 12” high curb, integral counterflashing, 4½” wide mounting flanges with pre-drilled holes and 2” Polyisocyanurate insulation

- **Gasket:** Extruded EPDM rubber gasket adhered to cover
- **Hinges:** Steel Pintle Hinge
- **Lift Assist:** Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring
- **Latches:** Slam latch with interior and exterior handles and padlock hasp.
- **Hardware:** All hardware is zinc plated (stainless steel hardware optional)
- **Load Capacity:** 70 psf

### Specifications Table

<table>
<thead>
<tr>
<th>Size</th>
<th>Galvanized Steel Cover and Curb</th>
<th>Aluminum Cover and Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Model No.</td>
<td>Lbs.</td>
</tr>
<tr>
<td>3' 0&quot; x 2' 6&quot;</td>
<td>M-1 EE</td>
<td></td>
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<tr>
<td>3' 0&quot; x 3' 0&quot;</td>
<td>M-3x3 EE</td>
<td></td>
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<tr>
<td>4' 0&quot; x 4' 0&quot;</td>
<td>M-7 EE</td>
<td></td>
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<tr>
<td>2' 6&quot; x 4' 6&quot;</td>
<td>M-2 EE</td>
<td></td>
</tr>
<tr>
<td>2' 6&quot; x 8' 0&quot;</td>
<td>M-3 EE</td>
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</tbody>
</table>
ROOF ACCESS HATCHES

M-1 HATCH

SPECIFICATIONS

Material: 14 gauge galvanized steel cover and Curb

Finish:
• Galvanized Steel: White Powder Coat

Cover:
• 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation.

Curb: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Integrated Plate Hinge

Lift Assist: Cover operation is assisted by gas spring

Latches: Slam latch with interior and exterior handles and padlock hasps

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Load Capacity: 70 psf

Certifications: Florida Product Approval: FL 16737-R1
Material:
• M: 14 gauge galvanized steel cover and curb
• RB: 14 gauge galvanized steel cover and curb
• RC: .090 Aluminum cover and 14 gauge galvanized steel curb
• RD: .090 Aluminum cover and curb

Finish:
• Galvanized Steel: White Powder Coat
• Aluminum: Mill Finish

Cover: covers open easily to 90 degrees
• M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style).
• RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation. (RD-1 uses 1" Styrofoam insulation)

Curb:
• M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
• RD: Mill finish .090 aluminum with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist:
• Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

Latches: Slam latch with interior and exterior handles and padlock hasps.

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Load Capacity:
• M & RD-1: 70 psf
• RB, RC & RD-3x3: 40 psf

<table>
<thead>
<tr>
<th>Size</th>
<th>Galvanized Steel Cover and Curb</th>
<th>Galvanized Steel Cover and Curb</th>
<th>Aluminum Cover, Galvanized Curb</th>
<th>Aluminum Cover and Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'0&quot; x 2'6&quot;</td>
<td>RB-1 205</td>
<td>RB-1 205</td>
<td>RC-1 160</td>
<td>RD-1 125</td>
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<td>3'0&quot; x 3'0&quot;</td>
<td>M-3x3 254</td>
<td>M-3x3 254</td>
<td>RC-1 160</td>
<td>RD-3x3 155</td>
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<td>4'0&quot; x 4'0&quot;</td>
<td>M-7 365</td>
<td>RB-4x4 365</td>
<td>RD-4x4 200</td>
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</tbody>
</table>
ROOF ACCESS HATCHES
PERSONNEL

SHIP STAIR

SPECIFICATIONS

Material:
• M: 14 gauge galvanized steel cover and Curb
• RB: 14 gauge galvanized steel cover and Curb
• RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
• RD: .090 Aluminum Cover and Curb

Finish:
• Galvanized Steel: White Powder Coat
• Aluminum: Mill Finish

Cover: Covers open easily to 90 degrees
• M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style).
• RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation.

Curb:
• M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
• RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

Latches: Slam latch with interior and exterior handles and padlock hasps.

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Load Capacity:
• M: 70 psf
• RB, RC & RD: 40 psf

<table>
<thead>
<tr>
<th>Size</th>
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<th>Aluminum Cover, Galvanized Curb</th>
<th>Aluminum Cover and Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'6&quot; x 4'6&quot;</td>
<td>M-2</td>
<td>265</td>
<td>RB-2</td>
<td>255</td>
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</tbody>
</table>
ROOF ACCESS HATCHES
PERSONNEL

SERVICE STAIR

SPECIFICATIONS

Material:
- M: 14 gauge galvanized steel cover and Curb
- RB: 14 gauge galvanized steel cover and Curb
- RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
- RD: .090 Aluminum Cover and Curb

Finish:
- Galvanized Steel: White Powder Coat
- Aluminum: Mill Finish

Cover: covers open easily to 90 degrees
- M & RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner bonded to core of 1" rigid polystyrene insulation (M Style) or 1" fiberglass insulation (RB Style).
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1" fiberglass insulation.

Curb:
- M, RB & RC: 14 gauge galvanized steel with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation
- RD: Mill finish.090 aluminum with a 12" high curb, integral counterflashing, 3½" wide mounting flanges with pre-drilled holes and 1" exterior fiberboard insulation

Gasket: Extruded EPDM rubber gasket adhered to cover

Hinges: Steel Pintle Hinge

Lift Assist: Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

Latches: Slam latch with interior and exterior handles and padlock hasps.

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Load Capacity:
- M: 70 psf
- RB, RC & RD: 40 psf

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<tr>
<th>Size</th>
<th>Galvanized Steel Cover and Curb</th>
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<th>Aluminum Cover, Galvanized Curb</th>
<th>Aluminum Cover and Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'6” x 8'0&quot;</td>
<td>M-3</td>
<td>395</td>
<td>RB-3</td>
<td>425</td>
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</table>

* Hatch sizing is based off inside curb dimensions

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**SPECIFICATIONS**

**Material:**
- RB: 14 gauge galvanized steel cover and Curb
- RC: .090 Aluminum Cover and 14 gauge galvanized steel Curb
- RD: .090 Aluminum Cover and Curb

**Finish:**
- Galvanized Steel: White Powder Coat
- Aluminum: Mill Finish

**Cover:**
- RB: 14 gauge galvanized steel exterior with 22 gauge galvanized steel liner with 1” fiberglass insulation.
- RC & RD: Mill finish .090 aluminum exterior with .063 aluminum liner with 1” fiberglass insulation.

**Curb:**
- RB & RC: 14 gauge galvanized steel with a 12” high curb, integral counterflashing, 3½” wide mounting flanges with pre-drilled holes and 1” exterior fiberboard insulation
- RD: Mill finish .090 aluminum with a 12” high curb, integral counterflashing, 3½” wide mounting flanges with pre-drilled holes and 1” exterior fiberboard insulation

**Gasket:** Extruded EPDM rubber gasket adhered to cover

**Hinges:** Steel Pintle Hinge

**Lift Assist:** Cover operation is assisted by enclosed heavy-duty Torsion Coil Spring

**Latches:** Two-point slam latch system for tight, secure closure with and exterior handles and padlock hasps.

**Hardware:** All hardware is zinc plated (stainless steel hardware optional)

**Load Capacity:** 40 psf

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<table>
<thead>
<tr>
<th>Size</th>
<th>Galvanized Steel Cover and Curb</th>
<th>Aluminum Cover, Galvanized Curb</th>
<th>Aluminum Cover and Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>5’0” x 11’0”</td>
<td>RB-4</td>
<td>1831</td>
<td>RC-4</td>
</tr>
<tr>
<td>6’0” x 11’0”</td>
<td>RB-5</td>
<td>2060</td>
<td>RC-5</td>
</tr>
<tr>
<td>8’0” x 8’0”</td>
<td>RC-6</td>
<td>1220</td>
<td>RD-6</td>
</tr>
</tbody>
</table>
SAFETY ACCESSORIES

SPECIFICATIONS

Benefits:
• Durable/Sturdy Metal Fabrication
• Durable powder coat finish to withstand the elements
• Fully Assembled, no field fabrication is required
• 5 year warranty

Latches:
• Chained and Gated options both come in all of our standard sized single leaf hatches (36” x 30”, 36” x 36”, 48” x 48”, 30” x 54”, and 30” x 96”)
• Other sizes available upon request

OSHA Compliant:
• Meets OSHA fall protection standards 29 CFR 1910.23 and 1926.502 guarding for opening requirements and supports 200 lbs force
• Posts, top rail, & mid rails – fully welded 1.5” x 1.5” x .083” structural steel square tubing
• Mounting brackets – fully welded to curb
• 2/0 steel chain – poly coat yellow, quick spring snap connection
• Powder coated safety yellow rails
• Optional spring hinged gate
ROOF ACCESS HATCHES
RETROFIT SAFETY RAIL SYSTEMS

SAF-T-RAIL FOR LADDER ACCESS HATCHES

SPECIFICATIONS

Benefits:
• Easily installs in minutes with non-penetrating attachments using standard tools
• Telescoping Rails that fit hatch sizes 30" x 30" to 48" x 54"
• Installs on existing hatches with cap flashings from ANY manufacturer
• Durable/Sturdy Metal Fabrication
• Durable safety yellow powder coat to withstand the elements
• Structural aluminum square tubing
• 5 year warranty

OSHA Compliant:
• Meets OSHA fall protection standards 29 CFR 1910.23 and 1926.502 guarding for opening requirements and supports 200 lbs force
• Posts, top rail, mid-rails & gate made of structural aluminum square tubing
• Powder coated safety yellow rails

Notes:
1. Smallest hatch accommodation is 30" x 30" normal
2. Largest hatch accommodation is 48" x 54" normal
3. Displayed dimension are outside dimensions of hatch curb cap

Telescoping Rails
Corner Brackets
Easy to install hinges
SAF-T-RAIL FOR SHIP STAIR AND SERVICE STAIR HATCHES

SPECIFICATIONS

Benefits:
• Easily installs in minutes with non-penetrating attachments using standard tools
• Telescoping Rails that fit hatch sizes:
  - 30.5" x 48" to 48" x 70"
  - 30.5" x 75.25" to 52" x 110"
• Installs on existing hatches with cap flashings from ANY manufacturer
• Durable/Sturdy Metal Fabrication
• Durable safety yellow powder coat to withstand the elements
• Structural aluminum square tubing
• 5 year warranty

OSHA Compliant:
• Meets OSHA fall protection standards 29 CFR 1910.23 and 1926.502 guarding for opening requirements and supports 200 lbs force
• Posts, top rail, mid-rails & gate made of structural aluminum square tubing
• Powder coated safety yellow rails

Fits Sizes 30.5" x 48" to 48" x 70"
Part Number MSTR-48-70

Fits Sizes 30.5" x 75.25" to 52" x 110"
Part Number MSTR-75-110
SAFETY ACCESSORIES

SPECIFICATIONS

Benefits:
• The Milcor Upright Safety Bar is designed to assist in safe passage when exiting and entering the roof hatch. A heavy-duty, hinged steel mechanism allows the upward and downward movement of the bright yellow safety bar.
• No need to attach bar to center of ladder rungs. Milcor’s Upright Safety Bar is designed to provide the safest way to exit and enter a roof hatch without restricting the opening or footing on the top rungs of the ladder.

Quality Design and Construction:
• Simple and safe lift-and-lock into place movement.
• Side location for safer and more convenient passage.
• Automatically locks when fully extended.
• Shipped as a separate unit. Also available assembled to roof hatch.
• Designed for hatches 4-foot and smaller on the ladder side.
• Designed to provide approximately 42” height above ladder.

1½” schedule 40 pipe (safety yellow)
ROOF ACCESS HATCHES

OPTIONS

Hatch Options
• Custom Sizes
• Metal Roofs
• Stainless Steel Hardware
• Custom cover and curb insulation types and thicknesses
• Motorized (single leaf only)
• Pitched
• Curb Heights
• Curb Liner
• Curb Mounted
Features & Benefits

- Designed to open automatically to 90 degrees in the event of a fire
- Releases smoke decreasing the possibility of deadly smoke inhalation to building occupants
- Permits firefighters to douse flames directly from rooftop
- Comes in a number of UL Listed sizes and styles
- Fully insulated cover and curb
- Interior and exterior pull release handles for manual opening
- Equipped with hydraulic shock dampeners to prevent over travel
HEAT & SMOKE VENTS

LOW PROFILE

SPECIFICATIONS

Material:
- U-LP: 22 gauge galvanized steel cover and 16 gauge galvanized steel curb
- U-LPA: .063 Aluminum cover and .090 Aluminum curb
- U-LPAG: .063 Aluminum cover and 16 gauge galvanized steel curb

Finish:
- Galvanized Steel: Mill Finish
- Aluminum: Mill Finish

Cover: High-strength composite construction with exterior cover and liner bonded to a 1” core of rigid foam-type insulation

Curb: 13½” in height with 3½” pre-drilled mounting flanges and counterflashing with 1” thick exterior fiberboard insulation

Gasket: Polyurethane Foam Gasket adhered to the entire perimeter of curb

Hinges: Steel Pintle Hinge

Springs: Torsion Coil Spring operators to open against a 10 psf snow or wind load

Dampeners: Hydraulic dampeners to control cover opening speed and prevent over-travel

Latches: Latch designed to open automatically with parting of a single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link. Designed to hold covers closed when subjected to 240 psf uplift pressure for U-LP or 225 psf uplift pressure for U-LPA or U-LPAG

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Operation: Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

Certifications:
- UL 793 Listed
- UL 790 Certified
- FM Approved

<table>
<thead>
<tr>
<th>Size</th>
<th>Galvanized Steel</th>
<th>Aluminum</th>
<th>Aluminum Cover &amp; Galvanized Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'0&quot; x 4'0&quot;</td>
<td>U-LP-4848</td>
<td>275</td>
<td>U-LPA-4848</td>
</tr>
<tr>
<td>4'0&quot; x 5'0&quot;</td>
<td>U-LP-4860</td>
<td>325</td>
<td>U-LPA-4860</td>
</tr>
<tr>
<td>4'0&quot; x 6'0&quot;</td>
<td>U-LP-4872</td>
<td>375</td>
<td>U-LPA-4872</td>
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<tr>
<td>4'0&quot; x 7'0&quot;</td>
<td>U-LP-4884</td>
<td>425</td>
<td>U-LPA-4884</td>
</tr>
<tr>
<td>4'0&quot; x 8'0&quot;</td>
<td>U-LP-4896</td>
<td>475</td>
<td>U-LPA-4896</td>
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<tr>
<td>4'6&quot; x 4'0&quot;</td>
<td>U-LP-5448</td>
<td>300</td>
<td>U-LPA-5448</td>
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<tr>
<td>4'6&quot; x 5'0&quot;</td>
<td>U-LP-5460</td>
<td>360</td>
<td>U-LPA-5460</td>
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<tr>
<td>4'6&quot; x 6'0&quot;</td>
<td>U-LP-5472</td>
<td>420</td>
<td>U-LPA-5472</td>
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<tr>
<td>5'0&quot; x 5'0&quot;</td>
<td>U-LP-6060</td>
<td>385</td>
<td>U-LPA-6060</td>
</tr>
</tbody>
</table>
**BIG SMOKY**

**SPECIFICATIONS**

**Material:**
- U-LP: 22 gauge galvanized steel cover and 16 gauge galvanized steel curb
- U-LPA: .063 Aluminum cover and .090 Aluminum curb
- U-LPAG: .063 Aluminum cover and 16 gauge galvanized steel curb

**Finish:**
- Galvanized Steel: Mill Finish
- Aluminum: Mill Finish

**Cover:** High-strength composite construction with exterior cover and liner bonded to a 2" core of rigid foam-type insulation

**Curb:** 13½" in height with 3½" pre-drilled mounting flanges and counterflashing with 1" thick exterior fiberboard insulation

**Gasket:** Polyurethane Foam Gasket adhered to the entire perimeter of curb

**Hinges:** Steel Pintle Hinge

**Springs:** Torsion Coil Spring operators to open against a 10 psf snow or wind load

**Dampeners:** Hydraulic dampeners to control cover opening speed and prevent over travel

**Latches:** Latch designed to open automatically with parting of single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link. Designed to hold covers closed when subjected to 240 psf uplift pressure for U-LP or 225 psf uplift pressure for U-LPA or U-LPAG

**Hardware:** All hardware is zinc plated (stainless steel hardware optional)

**Operation:** Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

**Certifications:**
- UL 793 Listed
- UL 790 Certified
- FM Approved

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<table>
<thead>
<tr>
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<th>Galvanized Steel</th>
<th>Aluminum</th>
<th>Aluminum Cover &amp; Galvanized Curb</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'0&quot; x 6'0&quot;</td>
<td>U-LP-6072</td>
<td>460</td>
<td>U-LPA-6072</td>
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<tr>
<td>5'0&quot; x 7'0&quot;</td>
<td>U-LP-6084</td>
<td>530</td>
<td>U-LPA-6084</td>
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<tr>
<td>5'0&quot; x 8'0&quot;</td>
<td>U-LP-6096</td>
<td>590</td>
<td>U-LPA-6096</td>
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<td>5'0&quot; x 9'0&quot;</td>
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<td>U-LPA-6108</td>
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<td>720</td>
<td>U-LPA-6120</td>
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<td>860</td>
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STC-40 ACOUSTICAL

SPECIFICATIONS

Material: 14 gauge galvanized steel cover and frame with 22 gauge galvanized steel liners

Finish: Mill Finish

Cover: 14 gauge galvanized exterior and 22 gauge galvanized interior liner contains 5" of insulation and acoustical barrier within 5" thick cover.

Curb: 15½" in height with 4½" pre-drilled mounting flanges and counterflashing with 2" thick fiberglass acoustical insulation protected by a 22 gauge galvanized steel liner

Gasket:
- Polyurethane Foam Gasket adhered to the entire perimeter of curb
- Mechanically fastened weather seal

Hinges: Steel Pintle Hinge

Springs: Torsion Coil Spring operators to open against a 10 psf snow or wind load

Dampeners: Hydraulic dampeners to control cover opening speed and prevent over travel

Latches: Latch designed to open automatically with parting of single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link. Designed to hold covers closed when subjected to 240 psf uplift pressure

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Operation: Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

Certifications:
- STC-40 Sound Rating
- FM Approved

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### STC-50 ACOUSTICAL

**Material:** 14 gauge galvanized steel covers and curb with 12 gauge galvanized steel counterflashing  
**Finish:** Curb and interior cover powder coated black and exterior cover powder coated white  
**Cover:** Covers insulated with mineral wool 3” in thickness and lined with acoustical barrier and protected by cover liner  
**Curb:** 12½” in height, 5¾” pre-drilled mounting flanges and a counterflashing. Curb and gutter are insulated with mineral wool 3” in thickness and lined with acoustical barrier to provide excellent sound deadening  
**Gasket:** Two layers of D-profile EPDM gasket are adhered to the entire perimeter of curb  
**Hinges:** Stainless steel butt hinges  
**Springs:** Dampened Gas Springs to open against a 10 psf snow or wind load at a safe and controlled speed  

**Latches:** Rotary latch designed to withstand 90 psf wind uplift for Class 90 roof decks. Latch is cable routed to automatically open by parting of single 165 degree fusible link or manually with interior exterior pull release handles without disturbing the fusible link  
**Hardware:** All hardware is zinc plated, stainless steel, or powder coated to prevent corrosion  
**Operation:** Covers automatically spring open to approximately 80 degrees in the event of fire, being actuated by the parting of a single UL-listed fusible link, or manually opened by actuating interior or exterior release. Once covers are fully opened, gas springs will lock to prevent the covers from prematurely closing. The locks can be opened with an external cable routing to allow the covers to be closed  
**Certifications:**  
- Materials rated for STC-50  
- UL listed  

### SPECIFICATIONS

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UL-SKY FLAT PANEL SKYLIGHT

SPECIFICATIONS

Material:
- UL-SKY: 16 gauge galvanized steel
- UL-SKYA: .090 aluminum

Finish:
- Galvanized Steel: Mill Finish
- Aluminum: Mill Finish

Cover: Damage resistance, light admitting, polycarbonate panels surrounded by an extruded aluminum frame.

Curb: 13½” in height with 3½” pre-drilled mounting flanges and counterflashing with 1” thick exterior fiberboard insulation

Gasket: Polyurethane Foam Gasket adhered to the entire perimeter of curb

Hinges: Steel Pintle Hinge

Springs: Torsion Coil Springs

Dampeners: Hydraulic dampeners to control cover opening speed and prevent over travel

Latches: Latch designed to open automatically with parting of single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link.

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Operation: Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

Certifications: None

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### SPECIFICATIONS

#### Material
- UL-SKY: 16 gauge galvanized steel
- UL-SKYA: .090 aluminum

#### Finish
- Galvanized Steel: Mill Finish
- Aluminum: Mill Finish

#### Cover
Damage resistance, light admitting, polycarbonate panels surrounded by an extruded aluminum frame.

#### Curb
- 13½” in height with 3½” pre-drilled mounting flanges and counterflashing with 1” thick exterior fiberboard insulation

#### Gasket
Polyurethane Foam Gasket adhered to the entire perimeter of curb

#### Hinges
Steel Pintle Hinge

#### Springs
Torsion Coil Springs

#### Dampeners
Hydraulic dampeners to control cover opening speed and prevent over travel

#### Latches
Latch designed to open automatically with parting of single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link.

#### Hardware
All hardware is zinc plated (stainless steel hardware optional)

#### Operation
Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

#### Certifications
None

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### HEAT & SMOKE VENTS

#### UL-SKY FLAT PANEL SKYLIGHT

#### SPECIFICATIONS

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* Listed opening width (1st dimension)

* Smoke vent sizing is based off inside curb dimensions, 2nd dimension is the hinge side.
UL-SEE DOMED SKYLIGHT

SPECIFICATIONS

Material:
• UL-SEE: 16 gauge galvanized steel
• UL-SEEA: .090 aluminum

Finish:
• Galvanized Steel: Mill Finish
• Aluminum: Mill Finish

Cover: Damage resistance, light admitting, ¼” polycarbonate outer dome with ⅛” polycarbonate inner dome, surrounded by an extruded aluminum frame.

Curb: 13¾” in height with 3½” pre-drilled mounting flanges and counterflashing with 1” thick exterior fiberboard insulation

Gasket: Polyurethane Foam Gasket adhered to the entire perimeter of curb

Hinges: Steel Pintle Hinge

Springs: Torsion Coil Spring operators to open against a 10 psf snow or wind load

Dampeners: Hydraulic dampeners to control cover opening speed and prevent over travel

Latches: Latch designed to open automatically with parting of single 360 degree fusible link or manually with interior and exterior pull release handles without disturbing the fusible link. Designed to hold covers closed when subjected to 30 psf uplift pressure

Hardware: All hardware is zinc plated (stainless steel hardware optional)

Operation: Covers automatically spring open to approximately 90 degrees in the event of fire, being actuated by the parting of a single UL-listed 360 degree F fusible link, automatically locking in the fully opened position

Certifications:
• UL 793 Listed
• UL 790 Certified

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<tr>
<td>5'0&quot; x 8'0&quot;</td>
<td>ULS-EE-6096</td>
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<td>5'6&quot; x 4'0&quot;</td>
<td>ULS-EE-6648</td>
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<td>5'6&quot; x 5'0&quot;</td>
<td>ULS-EE-6660</td>
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<td>5'6&quot; x 6'0&quot;</td>
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<td>5'6&quot; x 7'0&quot;</td>
<td>ULS-EE-6684</td>
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</tr>
<tr>
<td>5'6&quot; x 8'0&quot;</td>
<td>ULS-EE-6696</td>
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</tr>
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<td>6'0&quot; x 4'0&quot;</td>
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<td>6'0&quot; x 5'0&quot;</td>
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<td>6'0&quot; x 8'0&quot;</td>
<td>ULS-EE-7296</td>
<td>630</td>
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</table>
HEAT & SMOKE VENTS

OPTIONS

Smoke Vent Options
- Custom Sizes
- Burglar Bars
- Metal Roofs
- Stainless Steel Hardware
- Pitched
- Curb Heights
- Curb Liner
- Curb Mounted
- Opening/Closing Options
  - Fusible Link
  - McCabe Link
  - Motorized
  - Manual Winch
  - Explosion Vent

* Some options void ratings
Features & Benefits

- Heavy-Duty Construction to meet required loads
- Both Secure and Non-Secure Options Available
NON-SECURITY ALUMINUM FLOOR DOORS - STYLES F, T & Z

SPECIFICATIONS

Material:
- F: ¼” Aluminum tread plate and extruded aluminum frame
- T: ⅛” Aluminum plate and extruded aluminum frame
- Z: ⅛” Aluminum recessed plate and formed aluminum frame

Finish:
- Mill Finish

Cover:
- F: Diamond patterned safety tread plate designed to support minimum of 200 psf live load
- T: ⅛” Recessed smooth plate for floor tile to support minimum of 200 psf live load
- Z: Recessed smooth plate for terrazzo to support minimum of 200 psf live load

Frame:
- F & T: ⅛” Extruded aluminum frame w/ integral masonry anchors
- Z: ⅛” fully welded and mitered aluminum frame with welded masonry anchors

Gasket: ⅛” Neoprene gasket adhered to frame ledge

Handle: Lift Ring for easy access

Hardware: Stainless steel

Flush Door Style (T Series)

Terrazzo Detail (Z Series)

<table>
<thead>
<tr>
<th>Size</th>
<th>Flush Cover</th>
<th>Tile Cover</th>
<th>Terrazzo Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>2’0” x 2’0”</td>
<td>F-62</td>
<td>30</td>
<td>T-62</td>
</tr>
<tr>
<td>2’6” x 2’6”</td>
<td>F-64</td>
<td>35</td>
<td>T-64</td>
</tr>
<tr>
<td>3’0” x 2’6”</td>
<td>F-66</td>
<td>40</td>
<td>T-66</td>
</tr>
<tr>
<td>3’0” x 3’0”</td>
<td>F-68</td>
<td>45</td>
<td>T-68</td>
</tr>
</tbody>
</table>
SECURITY ALUMINUM FLOOR DOORS - STYLES F, T

SPECIFICATIONS

Material:
• F: ¼” Aluminum Tread Plate and extruded aluminum frame
• T: ¼” Aluminum Plate and extruded aluminum frame

Finish: Mill Finish

Cover:
• F: Diamond patterned safety tread plate designed to support 150 psf live load.
• T: ¼” Recessed smooth cover with extruded tile stop for floor tile to support 150 psf live load

Frame: F & T: ¼” Extruded aluminum frame with strap-type anchors bolted onto frame

Gasket: ⅛” Neoprene gasket adhered to frame

Latch: Snap Latch

Handle: Inside handle and removable outside T handle

Lift Assistance: Torsion Bar

Hardware: Zinc plated (stainless steel optional)

---

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>No. of Leafs</th>
<th>Size</th>
<th>Flush Cover</th>
<th>Tile Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Model No.</td>
<td>Lbs.</td>
<td>Model No.</td>
</tr>
<tr>
<td>Single-Leaf</td>
<td>F-2424</td>
<td>60</td>
<td>T-2424</td>
</tr>
<tr>
<td></td>
<td>F-3030</td>
<td>75</td>
<td>T-3030</td>
</tr>
<tr>
<td></td>
<td>F-3630</td>
<td>85</td>
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<tr>
<td></td>
<td>F-3636</td>
<td>95</td>
<td>T-3636</td>
</tr>
<tr>
<td>Double-Leaf</td>
<td>F-4848</td>
<td>160</td>
<td>T-4848</td>
</tr>
<tr>
<td></td>
<td>F-4872</td>
<td>220</td>
<td>T-4872</td>
</tr>
<tr>
<td></td>
<td>F-6060</td>
<td>230</td>
<td>T-6060</td>
</tr>
</tbody>
</table>

* Listed floor door size (1st dimension)
FLUSH COVER: SECURITY – STEEL OR ALUMINUM/STEEL
STYLES FA AND FC

SPECIFICATIONS

Material:
• FA: 3/16" Steel Tread Plate and 1/4" steel angle frame
• FC: 1/4" Aluminum Tread Plate and 1/4" steel angle frame

Finish:
• FA: Grey Powder Coat
• FC: Mill Finish

Cover:
• FA: Steel Diamond patterned safety tread plate designed to support 150 psf live load.
• FC: Aluminum Diamond patterned safety tread plate designed to support 150 psf live load.

Frame:
• FA: 2" x 2" x 1/4" steel angle frame with welded concrete anchors
• FC: 2" x 2" x 1/4" steel angle frame with welded concrete anchors

Latch:
• Single Leaf: Single Snap Latch
• Double Leaf: Two-point snap latch with throw bolt on inactive leaf

Handle: Inside handle and removable outside T handle

Lift Assistance: Torsion Bar

Hardware: Zinc plated

<table>
<thead>
<tr>
<th>No. of Leafs</th>
<th>Size</th>
<th>Steel, Prime Painted</th>
<th>Aluminum Cover/Steel Frame</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Model No.</td>
<td>Lbs.</td>
<td>Model No.</td>
</tr>
<tr>
<td>Single-Leaf</td>
<td>FA-1</td>
<td>140</td>
<td>FC-1</td>
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<tr>
<td></td>
<td>FA-2</td>
<td>160</td>
<td>FC-2</td>
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<td>FA-3</td>
<td>175</td>
<td>FC-3</td>
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<td>FA-4</td>
<td>195</td>
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<td>275</td>
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<td>240</td>
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<td>300</td>
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<td>FC-10</td>
</tr>
<tr>
<td></td>
<td>FA-11</td>
<td>450</td>
<td>FC-11</td>
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</tbody>
</table>

Single Leaf Style
SIDEWALK DOORS

SPECIFICATIONS

Material:
• GA: ¼” Steel Tread Plate and ¼” extruded aluminum frame
• GD: ¼” Aluminum Tread Plate and ¼” extruded aluminum frame

Finish:
• GA: Grey Powder Coat
• GD: Mill Finish

Cover:
• GA: Steel Diamond patterned safety tread plate designed to support 300 psf live load.
• GD: Aluminum Diamond patterned safety tread plate designed to support 300 psf live load.

Frame: GA & GD: ¼” Extruded aluminum frame with integral masonry anchor. Frame construction contains drainage gutter around perimeter with 1½” drain coupling to connect with interior drain

Latch:
• Single Leaf: Single Snap Latch
• Double Leaf: Two-point snap latch with throw bolt on inactive leaf

Handle: Inside handle and removable outside T handle

Lift Assistance: Torsion Coil

Hardware: Stainless steel

For highly corrosive environments, zinc flame-sprayed and painted option is available for unit.

<table>
<thead>
<tr>
<th>No. of Leafs</th>
<th>Size</th>
<th>Prime Painted Steel</th>
<th>Aluminum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Model No.</td>
<td>Lbs.</td>
</tr>
<tr>
<td>Single-Leaf</td>
<td>2’0” x 2’0” GA-1</td>
<td>170</td>
<td>GD-1*</td>
</tr>
<tr>
<td></td>
<td>2’6” x 2’6” GA-2</td>
<td>220</td>
<td>GD-2*</td>
</tr>
<tr>
<td></td>
<td>3’0” x 2’6” GA-3</td>
<td>257</td>
<td>GD-3</td>
</tr>
<tr>
<td></td>
<td>3’0” x 3’0” GA-4</td>
<td>286</td>
<td>GD-4</td>
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<tr>
<td></td>
<td>3’6” x 3’6” GA-5</td>
<td>321</td>
<td>GD-5</td>
</tr>
<tr>
<td></td>
<td>2’10” x 3’4” GA-6</td>
<td>278</td>
<td>GD-6*</td>
</tr>
<tr>
<td></td>
<td>3’4” x 3’10” GA-7</td>
<td>348</td>
<td>GD-7*</td>
</tr>
<tr>
<td></td>
<td>3’10” x 3’10” GA-8</td>
<td>440</td>
<td>GD-8*</td>
</tr>
<tr>
<td></td>
<td>4’0” x 4’0” GA-9</td>
<td>482</td>
<td>GD-9*</td>
</tr>
<tr>
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<td>4’0” x 6’0” GA-10</td>
<td>642</td>
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<tr>
<td></td>
<td>5’0” x 5’0” GA-11</td>
<td>706</td>
<td>GD-11</td>
</tr>
</tbody>
</table>

*Torsion spring not provided on aluminum sidewalk doors in the following standard and special sizes: single leaf type- 2’0” x 2’0” through 4’6”, 2’6” x 2’6”, double leaf type- 2’10” x 3’4” through 5’6”, 3’10” x 3’10” through 4’0” x 4’0”.
OPTIONS

Floor & Sidewalk Door Options
• Custom Sizes
• Stainless Steel Hardware
• Zinc flame-sprayed for highly corrosive environments
Commercial Vent & Chimney

Vent:
Standard efficiency b-vent, high efficiency polypropylene, special gas vent for condensing, near-condensing, and non-condensing vent systems. Stock residential diameters and system components available in 3" – 14". Additional sizes available up to 30". Direct vent systems also available. Premium quality materials and designs backed by UL standards.

Chimney:
All fuel chimney systems for venting wood, coal, oil, or gas. Available in residential diameters 4" – 8". Additional sizes available up to 24". Pellet venting systems for gas, wood pellet, and biofuels. Stainless steel inner and outer materials. Variety of installer friendly components backed by UL standards.

Chimney Liner:
Aluminum and stainless steel. Lengths available up to 50’. Standard diameters available up to 8”. Variety of installer friendly components backed by UL standards.

Grilles, Registers, & Diffusers
A full line for residential and commercial applications. Offered in steel, aluminum and plastic. Many sizes in stock for quick shipment.

Flexible Air Duct
Flexible air duct systems UL Greenguard Gold certified for residential and commercial applications. Complete line of R-4.2, R-6.0, and R-8.0 available in many outer jacket and core combinations from 3" - 24" diameters and 25" - 50' lengths. Flexible aluminum, duct, duct sleeves and uninsulated flex duct also available.

Interior Access Doors
Access Doors – High quality and affordable interior access doors for all types of requirements. In stock or custom.

Roof Top Products
New construction and retrofit drain systems, flashings, expansion joint covers, equipment rails and curbs, duct supports and pipe mounting pedestals. In stock, or made to order.

Duct Components
Components and accessories for the residential and commercial HVAC and sheet metal industries including flange, rail, corners, hangers & strapping, and duct access doors.

Filters
A complete line of Multi-Pleat or Commercial & Industrial Disposable panel filters, available in fiberglass and polyester.

*Some restrictions may apply.