Door Types

This Supplemental Section depicts the hardware sets for typical CU doors. The majority of products shown may not be substituted. For any project that deviates from the following door types, schematic stage approval is required by the Project Manager and Operations.

Door parameters are provided to assist with the development of these door types. Door parameters are not intended to substitute for or supersede the door section of the Design Requirements.
Office Doors (Non-Fire-Rated)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7’-0” high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair)   Ives 5BB1         medium duty 4 ⅝” x 4 ½”
2. Lockset             See Section 08 71 00B
                       GUIDE TO HARDWARE
                       LOCKSETS AND LATCHSETS
3. Doorstop            Ives WS Series
                       Ives FS Series
                       Ives GJ 450 Series (wood
doors)
                       Ives GJ 410 Series (metal
doors)
4. Silencers           Ives SR64
                       Wall stop
                       Floor dome stop (Alternate)
                       Overhead stop (Alternate where
                       door is in middle of room)
Office Doors (Fire-Rated)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0” high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1  Hinges (1 ½ pair)  Ives 5BB1  medium duty 4 ½” x 4 ½”
2  Lockset  See Section 08 71 00B  LOCKSETS AND LATCHSETS
3  Closer  LCN 4040 XP  Mount on office side
4  Doorstop  Ives WS Series  Wall stop
  Ives FS Series  Floor dome stop (Alternate)
  Ives GJ 450 Series (wood doors)  Overhead stop (Alternate where door is in middle of room)
  Ives GJ 410 Series (metal doors)
5  Smoke Seal  Zero 188S-BK  Stick-on seal
Restroom Doors (Non-Fire-Rated)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0” high
- Hollow metal frame
- Hospital Stops
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ½” x 4 ½”
2. Power actuated opener LCN 9530/9540 mount on restroom side Rocker switch for On/Off/Hold Open (optional)
3. Actuator (2 qty) MS Sedco 59H 4” x 4”, blue face 1 ½” x 4” when full size is not feasible
4. Kick plate Ives 8400 8” x 34” Stainless steel Countersunk holes
5. Mop plate Ives 8400 6” x 35” Stainless steel Countersunk holes
6. Push plate Ives 8200 6” x 16” anti-microbial coating countersunk holes
7. Pull Ives 8302 6” x 16” plate ¼” round pull with 10” centers Stainless steel
8. Silencers Ives SR64
Restroom Doors (Fire-Rated)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7’-0” high
- Hollow metal frame
- Hospital Stops
- Undercut: ¾” max.

Hardware set

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<thead>
<tr>
<th></th>
<th>Description</th>
<th>Model/Specification</th>
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<tbody>
<tr>
<td>1</td>
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<td>Ives 5BB1 medium duty 4 ½” x 4 ½”</td>
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<tr>
<td>2</td>
<td>Lockset</td>
<td>See Section 08 71 00B</td>
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<td>LOCKSETS AND LATCHSETS</td>
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<tr>
<td>3</td>
<td>Electric strike</td>
<td>Von Duprin 6400</td>
</tr>
<tr>
<td>4</td>
<td>Power actuated opener</td>
<td>LCN 9530/9540 mount on restroom side</td>
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<tr>
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<td>Rocker switch for On/Off/Hold Open (optional)</td>
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<td>5</td>
<td>Actuator (2 qty)</td>
<td>MS Sedco 59H 4” x 4”, blue face</td>
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<td>1 ½” x 4” when full size is not feasible</td>
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<td>6</td>
<td>Kick plate</td>
<td>Ives 8400 8” x 34” Stainless steel</td>
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<td>Countersunk holes</td>
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<td>7</td>
<td>Mop plate</td>
<td>Ives 8400 6” x 35” Stainless steel</td>
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<td>Countersunk holes</td>
</tr>
<tr>
<td>8</td>
<td>Smoke seals</td>
<td>Zero 1885-BK</td>
</tr>
</tbody>
</table>
Restroom Doors (Unisex)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7’-0” high
- Hollow metal frame
- Hospital Stops
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ½” x 4 ½”
2. Lockset See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS
3. Closer LCN 4040 XP Mount on restroom side
4. Kick plate Ives 8400 8” x 34” Stainless steel Countersunk holes
5. Mop plate Ives 8400 6” x 35” Stainless steel Countersunk holes
6. Doorstop Ives WS Series Wall stop
Ives FS Series Floor dome stop (Alternate)
Ives GJ 450 Series (wood doors) Overhead stop (Alternate where door is in middle of room)
Ives GJ 410 Series (metal doors)

7. Silencers Ives SR64 Only at non-fire-rated doors
8. Smoke seals Zero 188S-BK Only at fire-rated doors
Suite Entry / Lobby Doors (Access-Controlled)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0” high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

<table>
<thead>
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<th>Brand/Model</th>
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<tr>
<td>1</td>
<td>Hinges (1 ½ pair)</td>
<td>Ives 5BB1 medium duty 4 ½” x 4 ½”</td>
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<td>Lockset</td>
<td>See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS</td>
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<td>Electric Strike</td>
<td>Von Duprin 6400</td>
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<td>5</td>
<td>Access card reader</td>
<td>By CU Public Safety</td>
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<td>6</td>
<td>Power actuated opener</td>
<td>LCN 9530/9540 Mount on suite side Rocker switch for On/Off/Hold Open Emergency Power connection</td>
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<tr>
<td>7</td>
<td>Actuator (2 qty)</td>
<td>MS Sedco 59H 4” x 4”, blue face 1 ½” x 4” when full size is not feasible</td>
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<td>8</td>
<td>Doorstop</td>
<td>Ives WS Ives FS Wall stop Ives FS Floor dome stop</td>
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<tr>
<td>9</td>
<td>Silencers</td>
<td>Ives SR64 Only at non-fire-rated doors</td>
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<tr>
<td>10</td>
<td>Smoke seal</td>
<td>Zero 188S-BK Only at fire-rated doors</td>
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</tbody>
</table>
Lab Doors

Door parameters

- Wood or Hollow Metal Doors
- 60” or 72” wide x 1 3/4” thick
- 7’-0” high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

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<th>Model/Brand</th>
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<td>Automatic flush bolts</td>
<td>Ives FB51P</td>
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<td>Ives DP2</td>
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<td>Ives COR Series</td>
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</tr>
<tr>
<td>8</td>
<td>Smoke seals</td>
<td>Zero 1885-BK</td>
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<td></td>
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<td>Only at fire-rated doors</td>
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<td>9</td>
<td>Astragal seals</td>
<td>Zero 328A x 328A</td>
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<td>Doorstop</td>
<td>Ives WS</td>
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<td>Wall stop</td>
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<td>Ives FS</td>
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<td>Floor dome stop</td>
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</table>
Classroom Doors

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0” high + transom as applicable
- Hollow metal frame
- Undercut: ½” max.

Hardware set

1. Hinges (1 ½ pair)  Ives 5BB1  medium duty 4 ⅜” x 4 ½”
2. Lockset  See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS  Access control system management by Occupant
3. Closer  LCN 4040 XP  Mount on office side
4. Electric Strike  Von Duprin 6400
5. Access card reader  By CU Public Safety  As applicable
6. Doorstop  Ives WS  Wall stop
  Ives FS  Floor dome stop (alternate)
7. Silencers  Ives SR64  Only at non-fire-rated doors
8. Smoke seal  Zero 188-S-BK  Only at fire-rated doors
Fire Stair Doors (Business Occupancy)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0" high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ½” x 4 ½”
2. Lockset See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS
3. Power actuated opener LCN 9530/9540 Mount on suite side
   Rocker switch for On/Off/Hold Open
   Emergency Power connection
4. Actuator (2 qty) MS Sedco 59H 4” x 4”, blue face
   1 ½” x 4” when full size is not feasible
5. Doorstop Ives WS Series
   Ives FS Series Wall stop
   Ives GJ 450 Series (wood doors) Floor dome stop (Alternate)
   Ives GJ 410 Series (metal doors) Overhead stop (Alternate where door is in middle of room)
6. Smoke Seal Zero 1885-BK Stick-on seal

1 Coordinate roof access doors with Facilities (CUFO).
Fire Stair Doors (Assembly Occupancy)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7’-0” high + transom as applicable
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ¾” x 4 ½”
2. Exit Device Precision FL2114 x 4914A Function: passage
   Finish: satin chrome
   Strike: ANSI standard
3. Electric Strike Von Duprin 6400
4. Power actuated opener LCN 9530/9540 Mount on suite side
   Rocker switch for On/Off/Hold Open
   Emergency Power connection
5. Actuator (2 qty) MS Sedco 59H 4” x 4”, blue face
   1 ½” x 4” when full size is not feasible
6. Doorstop Ives WS Series Wall stop
   Ives FS Series Floor dome stop (Alternate)
   Ives GJ 450 Series (wood doors) Overhead stop (Alternate where door is in middle of room)
   Ives GJ 410 Series (metal doors)
7. Smoke Seal Zero 1885-BK Stick-on seal
Utility Room Doors, Pair (Under 1200 Amp service)

Door parameters

- Wood or Hollow Metal Doors
- 72” wide x 1 3/4” thick
- 7’-0” high
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

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<tr>
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<th>Description</th>
<th>Manufacturer/Model</th>
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<tbody>
<tr>
<td>1</td>
<td>Hinges (3 pair)</td>
<td>Ives 5BB1 medium duty 4 ½” x 4 ½”</td>
</tr>
<tr>
<td>2</td>
<td>Lockset</td>
<td>See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS</td>
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<tr>
<td>3</td>
<td>Flush bolts</td>
<td>Ives 458</td>
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<tr>
<td>4</td>
<td>Dustproof strike</td>
<td>Ives DP2</td>
</tr>
<tr>
<td>5</td>
<td>Closer</td>
<td>LCN 4040XP Mount on utility room side</td>
</tr>
<tr>
<td>6</td>
<td>Doorstop</td>
<td>Ives WS Series Wall stop</td>
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<tr>
<td></td>
<td></td>
<td>Ives FS Series Floor dome stop (Alternate)</td>
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<tr>
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<td></td>
<td>Ives GJ 450 Series Overhead stop (Alternate where door is in middle of room) (wood doors)</td>
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<td>Ives GJ 410 Series (metal doors)</td>
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<tr>
<td>7</td>
<td>Smoke seals</td>
<td>Zero 1885-BK</td>
</tr>
<tr>
<td>8</td>
<td>Astragal seals</td>
<td>Zero 328A x 328A</td>
</tr>
</tbody>
</table>
Utility Room Doors, Single (Under 1200 Amp service)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7'-0” high
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair) - Ives 5BB1
   - medium duty 4 ½” x 4 ½”
2. Mortise lockset - See Section 08 71 00B
   - GUIDE TO HARDWARE LOCKSETS AND LATCHSETS
3. Closer - LCN 4040XP
   - Mount on utility room side
4. Doorstop - Ives WS Series
   - Ives FS Series
   - Ives GJ 450 Series (wood doors)
   - Ives GJ 410 Series (metal doors)
   - Wall stop
   - Floor dome stop (Alternate)
   - Overhead stop (Alternate where door is in middle of room)
5. Smoke seals - Zero 188S-BK
Electrical Room Doors (over 1200 Amp service)

Door parameters

- Wood or Hollow Metal Doors
- 36” wide x 1 3/4” thick
- 7’-0” high
- Hollow metal frame
- Undercut: ¾” max.

Hardware set

1. Hinges (1 ½ pair)  Ives 5BB1  medium duty 4 ½” x 4 ½”
2. Exit Device  Precision FL2103 x 4903A  Function: Storeroom
   Finish: satin chrome
   Strike: ANSI standard
2a. Cylinder  See Section 08 71 00B GUIDE TO HARDWARE LOCKSETS AND LATCHSETS
3. Closer  LCN 4040XP
4. Doorstop  Ives WS Series
   Ives FS Series
   Ives GJ 450 Series
   (wood doors)
   Ives GJ 410 Series
   (metal doors)
   Wall stop
   Floor dome stop (Alternate)
   Overhead stop (Alternate where door is in middle of room)
5. Smoke seals  Zero 188S-BK