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 ½” 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)
   Wall stop
   Floor dome stop (Alternate)
   Overhead stop (Alternate where door is in middle of room)
4. Silencers Ives SR64
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
GUIDE TO HARDWARE
LOCKSETS AND LATCHSETS
3. Closer  LCN 4040 XP  Mount on office side
4. Doorstop  Ives WS Series
Ives FS Series
Ives GJ 450 Series (wood
doors)
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
   ¾” 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

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. Electric strike Von Duprin 6400
4. Power actuated opener LCN 9530/9540
   mount on restroom side
   Rocker switch for On/Off/Hold Open (optional)
   4” x 4”, blue face
   1 ½” x 4” when full size is not feasible
5. Actuator (2 qty) MS Sedco 59H
   4” x 4”, blue face
   1 ½” x 4” when full size is not feasible
6. Kick plate Ives 8400
   8” x 34”
   Stainless steel
   Countersunk holes
7. Mop plate Ives 8400
   6” x 35”
   Stainless steel
   Countersunk holes
8. Smoke seals Zero 188S-BK
## 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

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Model/Specification</th>
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<tbody>
<tr>
<td>1</td>
<td>Hinges (1 ½ pair)</td>
<td>Ives 5BB1</td>
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<td>2</td>
<td>Lockset</td>
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<td>5</td>
<td>Mop plate</td>
<td>Ives 8400</td>
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<td>6</td>
<td>Doorstop</td>
<td>Ives WS Series</td>
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<td></td>
<td></td>
<td>Ives FS Series</td>
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<td></td>
<td>Ives GJ 450 Series (wood doors)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ives GJ 410 Series (metal doors)</td>
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<td>7</td>
<td>Silencers</td>
<td>Ives SR64</td>
</tr>
<tr>
<td>8</td>
<td>Smoke seals</td>
<td>Zero 188S-BK</td>
</tr>
</tbody>
</table>

- Mount on restroom side
- 8” x 34”
- Stainless steel
- Countersunk holes
- 6” x 35”
- Stainless steel
- Countersunk holes
- Wall stop
- Floor dome stop (Alternate)
- Overhead stop (Alternate where door is in middle of room)
- Only at non-fire-rated doors
- 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

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

1. Hinges (3 pair) | Ives 5BB1 | medium duty 4 ½” x 4 ½”
2. Lockset | See Section 08 71 00B
   GUIDE TO HARDWARE
   LOCKSETS AND
   LATCHSETS
3. Automatic flush bolts | Ives FB51P
4. Dustproof strike | Ives DP2
5. Closer (2 qty) | LCN 4040XP | Mount on classroom side
6. Coordinator | Ives COR Series
7. Silencers (2 qty) | Ives SR64 | Only at non-fire-rated doors
8. Smoke seals | Zero 1885-BK | Only at fire-rated doors
9. Astragal seals | Zero 328A x 328A | Only at fire-rated doors
10. Doorstop | Ives WS | Wall stop
    | Ives FS | Floor dome stop
11. Access card reader | By CU Public Safety
12. Actuator (2 qty) | MS Sedco 59H | 4” x 4”, blue face
    | 1 ½” x 4” when full size is not feasible
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: ¾” max.

Hardware set

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ¼” 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 (optional)
6. Doorstop Ives WS Wall stop
   Ives FS
7. Silencers Ives SR64 Only at non-fire-rated doors
8. Smoke seal Zero 188-S-BK Only at fire-rated doors
9. Actuator (2 qty) MS Sedco 59H 4” x 4”, blue face
   1 ½” x 4” when full size is not feasible
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: ¼” 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
   - 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)
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

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<thead>
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<th>No.</th>
<th>Item</th>
<th>Model/Details</th>
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<tr>
<td>1</td>
<td>Hinges (1 ½ pair)</td>
<td>Ives 5881</td>
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<tr>
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<td>Exit Device</td>
<td>Precision FL2114 x 4914A</td>
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<td>3</td>
<td>Electric Strike</td>
<td>Von Duprin 6400</td>
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<td>4</td>
<td>Power actuated opener</td>
<td>LCN 9530/9540</td>
</tr>
<tr>
<td>5</td>
<td>Actuator (2 qty)</td>
<td>MS Sedco 59H</td>
</tr>
<tr>
<td>6</td>
<td>Doorstop</td>
<td>Ives WS Series&lt;br&gt;Ives FS Series&lt;br&gt;Ives GJ 450 Series (wood doors)&lt;br&gt;Ives GJ 410 Series (metal doors)</td>
</tr>
<tr>
<td>7</td>
<td>Smoke Seal</td>
<td>Zero 1885-BK</td>
</tr>
</tbody>
</table>
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

1. Hinges (3 pair)  Ives 5BB1  medium duty 4 ⅜” x 4 ⅜”
2. Lockset  See Section 08 71 00B
   GUIDE TO HARDWARE
   LOCKSETS AND
   LATCHSETS
3. Flush bolts  Ives 458
4. Dustproof strike  Ives DP2
5. Closer  LCN 4040XP  Mount on utility room side
6. Doorstop  Ives WS Series  Wall stop
   Ives FS Series  Floor dome stop (Alternate)
   Ives GJ 450 Series  Overhead stop (Alternate where
   (wood doors)  door is in middle of room)
   Ives GJ 410 Series  (metal doors)
7. Smoke seals  Zero 1885-BK
8. Astragal seals  Zero 328A x 328A
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 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 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
doors in middle of room)

5. Smoke seals - Zero 188S-BK