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”
3. Doorstop Ives WS Series  Wall stop  Ives FS Series  Floor dome stop (Alternate)  Ives GJ 450 Series  Overhead stop (Alternate where door is in middle of room)  (wood doors)  (metal doors)
4. Silencers Ives SR64

¹ Or mortise lockset Schlage L9050J x 06A, subject to Columbia University Facilities (CUF) approval.
**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**

<p>| | | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Hinges (1 ½ pair)</td>
<td>Ives 5BB1</td>
<td>medium duty 4 ½” x 4 ½”</td>
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<tr>
<td>2</td>
<td>Cylindrical lockset¹</td>
<td>Schlage ND50JD x RHO</td>
<td>Function: entrance / office</td>
<td>Lever: Rhodes</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Finish: satin chrome</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Cylinder: Multi-lock removable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>construction core</td>
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<tr>
<td></td>
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<td></td>
<td>Latch: deadlatch</td>
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<td>Strike: ANSI standard</td>
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<td>3</td>
<td>Closer</td>
<td>LCN 4040 XP</td>
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<td>4</td>
<td>Doorstop</td>
<td>Ives WS Series</td>
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<td></td>
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<td>Ives FS Series</td>
<td>Wall stop (Alternate)</td>
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<tr>
<td></td>
<td></td>
<td>Ives GJ 450 Series</td>
<td>Floor dome stop (Alternate)</td>
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<td></td>
<td>(wood doors)</td>
<td></td>
<td>Overhead stop (Alternate where door is in middle of room)</td>
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<tr>
<td></td>
<td></td>
<td>Ives GJ 410 Series</td>
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<td></td>
<td>(metal doors)</td>
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<tr>
<td>5</td>
<td>Smoke Seal</td>
<td>Zero 188S-BK</td>
<td>Stick-on seal</td>
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</table>

¹ Or mortise lockset Schlage L9050J x 06A, subject to CUF approval.
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 ¾” 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

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<tr>
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<th>Description</th>
<th>Model/Option</th>
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<td>medium duty 4 ½” x 4 ½”</td>
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<td>ND10S x RHO</td>
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<tr>
<td></td>
<td></td>
<td>Function: passage</td>
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<td>Lever: Rhodes</td>
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<td>Finish: satin chrome</td>
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<td></td>
<td></td>
<td>Latch: passage</td>
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<td>3</td>
<td>Electric strike</td>
<td>Von Duprin 6400</td>
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<td>Power actuated opener</td>
<td>LCN 9530/9540</td>
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<tr>
<td></td>
<td></td>
<td>mount on restroom side</td>
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<td></td>
<td></td>
<td>Rocker switch for On/Off/Hold Open</td>
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<td>(optional)</td>
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<td>4” x 4”, blue face</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 ½” x 4” when full size is not feasible</td>
</tr>
<tr>
<td>6</td>
<td>Kick plate</td>
<td>Ives 8400</td>
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<td></td>
<td>8” x 34”</td>
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<td></td>
<td>Stainless steel</td>
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<td>Countersunk holes</td>
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<td>7</td>
<td>Mop plate</td>
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<td>Stainless steel</td>
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<tr>
<td></td>
<td></td>
<td>Countersunk holes</td>
</tr>
<tr>
<td>8</td>
<td>Smoke seals</td>
<td>Zero 188S-BK</td>
</tr>
</tbody>
</table>

¹ Or mortise lockset subject to Columbia University Facilities (CUF) approval.
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. Mortise lockset | 9496J x 06A x L583 | Function: privacy with “Occupied” indicator
                  |                     | Lever: Rhodes
                  |                     | Finish: satin chrome
                  |                     | Latch: deadlatch
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
             | 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)
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

1. Hinges (1 ½ pair) Ives 5BB1 medium duty 4 ½” x 4 ½”
2. Mortise lockset Schlage L9080J x 06A Function: entrance / office
   Lever: Rhodes
   Finish: satin chrome
   Cylinder: Multi-lock removable
   construction core
   Latch: deadlatch
3. Electric Strike Von Duprin 6400 Mount on suite side
4. Access card reader By CU Public Safety Rocker switch for On/Off/Hold Open
5. Power actuated LCN 9530/9540 Emergency Power connection
   opener
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

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<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Model/Type</th>
<th>Notes</th>
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<tbody>
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<td>Ives 5BB1</td>
<td>medium duty 4 ½” x 4 ½”</td>
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<td>2</td>
<td>Mortise lockset</td>
<td>Schlage L9080-J x 06A</td>
<td>Function: storeroom</td>
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<td>Lever: Rhodes</td>
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<td></td>
<td></td>
<td>Finish: satin chrome</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Cylinder: Multi-lock removable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>construction core</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Latch: deadlatch</td>
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<tr>
<td>3</td>
<td>Automatic flush bolts</td>
<td>Ives FB51P</td>
<td>(Alternate¹)</td>
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<td></td>
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<td>Function: classroom</td>
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<td>4</td>
<td>Dustproof strike</td>
<td>Ives DP2</td>
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<tr>
<td>5</td>
<td>Closer (2 qty)</td>
<td>LCN 4040XP</td>
<td>Mount on classroom side</td>
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<td>6</td>
<td>Coordinator</td>
<td>Ives COR Series</td>
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</tr>
<tr>
<td>7</td>
<td>Silencers (2 qty)</td>
<td>Ives SR64</td>
<td>Only at non-fire-rated doors</td>
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<tr>
<td>8</td>
<td>Smoke seals</td>
<td>Zero 1885-BK</td>
<td>Only at fire-rated doors</td>
</tr>
<tr>
<td>9</td>
<td>Astragal seals</td>
<td>Zero 328A x 328A</td>
<td>Only at fire-rated doors</td>
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<tr>
<td>10</td>
<td>Doorstop</td>
<td>Ives WS</td>
<td>Wall stop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ives FS</td>
<td>Floor dome stop</td>
</tr>
</tbody>
</table>

¹ At the discretion of the Lab occupant to allow free access if unlocked by key.
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 ½” x 4 ½”
2. Mortise lockset   Schlage L9070 x 06A  Function: classroom
                     OR
                     Access control lockset  Schlage AD200  Access control system management by Occupant
                     (optional)
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
8. Smoke seal          Zero 188-S-BK  Only at fire-rated doors

LAST REVISED: MAY 2015
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 ¾” x 4 ½”
2. Cylindrical lockset²  Schlage ND10S x RHO  Function: passage
   Lever: Rhodes
   Finish: satin chrome
   Strike: ANSI standard
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
   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)
6. Smoke Seal  Zero 188S-BK  Stick-on seal

¹ Coordinate roof access doors with Facilities (CUF).
² Or mortise lockset subject to CUF approval.
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 SBB1 medium duty 4 ½” x 4 ½”
2. Exit Device Precision FL2114 x 4914A Function: passage
   Finish: satin chrome
   Strike: ANSI standard
3. Electric Strike Von Duprin 6400 Mount on suite side
   Rocker switch for On/Off/Hold Open
   Emergency Power connection
4. Power actuated opener LCN 9530/9540 4” x 4”, blue face
   1 ⅜” x 4” when full size is not feasible
5. Actuator (2 qty) MS Sedco 59H
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

LAST REVISED: MAY 2015
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: 3/4” max.

Hardware set

1. Hinges (3 pair) Ives 5BB1 medium duty 4 1/2” x 4 1/2”
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 (wood doors) Overhead stop (Alternate where 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   | Schlage L9080-J x 06A | Function: Storeroom  |
|    |                   |              | Lever: Rhodes          |
|    |                   |              | Finish: satin chrome   |
|    |                   |              | Cylinder: Multi-lock removable |
|    |                   |              | construction core      |
|    |                   |              | Latch: deadlatch        |
| 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 | Overhead stop (Alternate where |
|    |                   | (wood doors)   | 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

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Hinges (1 ½ pair)</td>
<td>Ives 5BB1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>medium duty 4 ½” x 4 ½”</td>
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<td>2</td>
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<td>Floor dome stop (Alternate)</td>
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<td>Overhead stop (Alternate where door is in middle of room)</td>
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Glass Office Doors (on hold)