

**Chapter 18 – Installing Sliding Doors Over Hard Flooring**

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| <p>Door Opening and Preparation</p>   | <ol style="list-style-type: none"> <li>1. Before removing packaging, check doors and frame for damage. If damaged, notify Construction Supervisor (CS). Check to see if doors have been predrilled for door pulls. If they have, pairs will have holes at opposite edges</li> <li>2. Select pairs of doors that match in visual appearance (grain pattern, color) &amp; correct door pull locations, etc.</li> <li>3. Put two doors together and check for bow. Plan to install with concave faces together, best side toward the room.</li> <li>4. Confirm: Door Ht. is 80"; rough opening Ht. at both ends is ~ 83"; header is level within 1/8". If not, see CS.</li> <li>5. Check Jack stud and flush wall for plumb and gaps. If out of plumb by 1/8" or if any gap exceeds 1/2", notify CS.</li> <li>6. Install track 2" back from room side wall surface and attach with three 2 1/2" wafer-head screws – middle &amp; both ends. Orient track with roller grooves toward the rear of the closet.</li> </ol>   |
| <p>Install Door Hardware</p>  | <ol style="list-style-type: none"> <li>7. Decide which door will be placed in front and rear position in the track. The front door edge should not be visible when entering the room.</li> <li>8. Place doors on horses, room side up. Protect with padding. Install door pulls. Use a piece of wood to protect the pulls and hammer into holes. If pull holes are not present, use a 3/4" Forstner bit and drill 3/8" up from the bottom and 1 1/2" in from the wall edge.</li> <li>9. Open door packaging including track, hardware, screws, along with either four identical hangers or two pairs with different overhang—deep overhang for rear door.<br/>Turn doors over and install hangers by hand tightening a screw in the single hole and the top of the long slot in each hanger. Install 2" from the door edges. (See Fig 18-2, Manual Chapter 18)</li> <li>10. Hang the doors by tilting the top of door inward into the closet. Install rear door first by engaging rollers in the groove at the back of the track, then the front door in the groove at the inside front of the track.</li> <li>11. Close the doors. At the middle of the door opening, measure the gap from the bottom of the door to the floor. Gap should be 3/8"-5/8" (add 1/4" if finished floor has not yet been installed). Make sure doors are in correct position (door pulls are next to the walls) and loosen the screws slightly to adjust doors so the door edges make uniform contact with the walls and the door-floor gap is within above specifications. Note: If floor trim has already been installed, install top and bottom bumpers (see step 25) and adjust door hangers so wall/trim contact is made with both.</li> <li>12. If doors have been adjusted to their highest position and floor-door bottom gap is <u>less than the lower limit</u>, the door may have to be cut off. If so, see the SL or CS for direction. If doors have been adjusted to their lowest position and the gap is greater than upper limit, remove the doors and track and install a shim above the track of proper thickness to bring the gap within limits. Note: If cutting a shim for doors over a finished (installed) floor, target shim thickness to provide a gap of 3/8" in favor of the range of 3/8" – 5/8".</li> <li>13. Verify the door edge-to-wall contact is uniform top-to-bottom, the door-to-floor gap at the middle of the closed doors is within specification and add the third screw to each hanger at the <b>BOTTOM</b> of the short slot a.</li> </ol> |
| <p>Install Door Track and Hang Doors<br/><br/>Finish Doorway Installation</p> | <ol style="list-style-type: none"> <li>14. Finish screwing the track to the header using a 2 1/2" wafer-head screw in every other hole.</li> <li>15. Cut a 3/4" x 1 1/4" pine strip. With the 3/4" face against the track, nail the strip to the header using 2 1/2" collated finish nails.</li> <li>16. Locate the door guide supplied with the doors (Do NOT use a door guide from the Finish Door Kit).</li> <li>17. Move both door panels tight to the Jack stud. Adjust the sliding door guide to fit the door thickness and slide the door guide under the opposite door edges. Align the left side of the guide flush with the door edges. Move the guide and doors until the reveal between the front door panel and the wall corner is uniform from top-to-bottom (see Manual Fig 18.4).</li> <li>18. Drill two 1/8" diameter pilot holes through the door guide mounting holes into the flooring and fasten the guide to the floor with two of the screws provided with the door hardware.</li> <li>19. Measure the width of the opening at the track and cut a piece of floor trim to that length. With the square edge tight to the plaster, nail with <b>1 1/4" collated finish nails</b>. Keep nails 3" away from the edges to avoid splitting. Fill nail holes with putty.</li> <li>20. Install bumper pads (located in the Finish Door Kit. Attach 1" DIA x 3/8" felt pads at the top of the vertical edges of each door and 1" DIA x 1/8" vinyl pads at the bottom edges of each door.</li> </ol>  |

## Quality Points

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- Two doors match in visual appearance
- Gap between bottom of doors and the floor is between  $3/8''$  –  $5/8''$
- Doors slide easily in door guides
- Door edges contact the walls uniformly from top to bottom (or bumper contact is made to wall/trim if bumpers installed)
- Door(s) against Jack stud(s) show uniform reveal from top to bottom
- Floor trim piece has been installed with the square edge tight to the plaster and ends snug to the side walls, using  $1\frac{1}{4}''$  collated finish nails. Holes have been puttied.
- Doors slide easily and smoothly after nailing trim piece
- Door pulls have been installed at correct height and distance from the door edges.
- Front door edge is not visible when entering the room.
- Track has been secured with  $2\frac{1}{2}''$  wafer-head screws in every other mounting hole