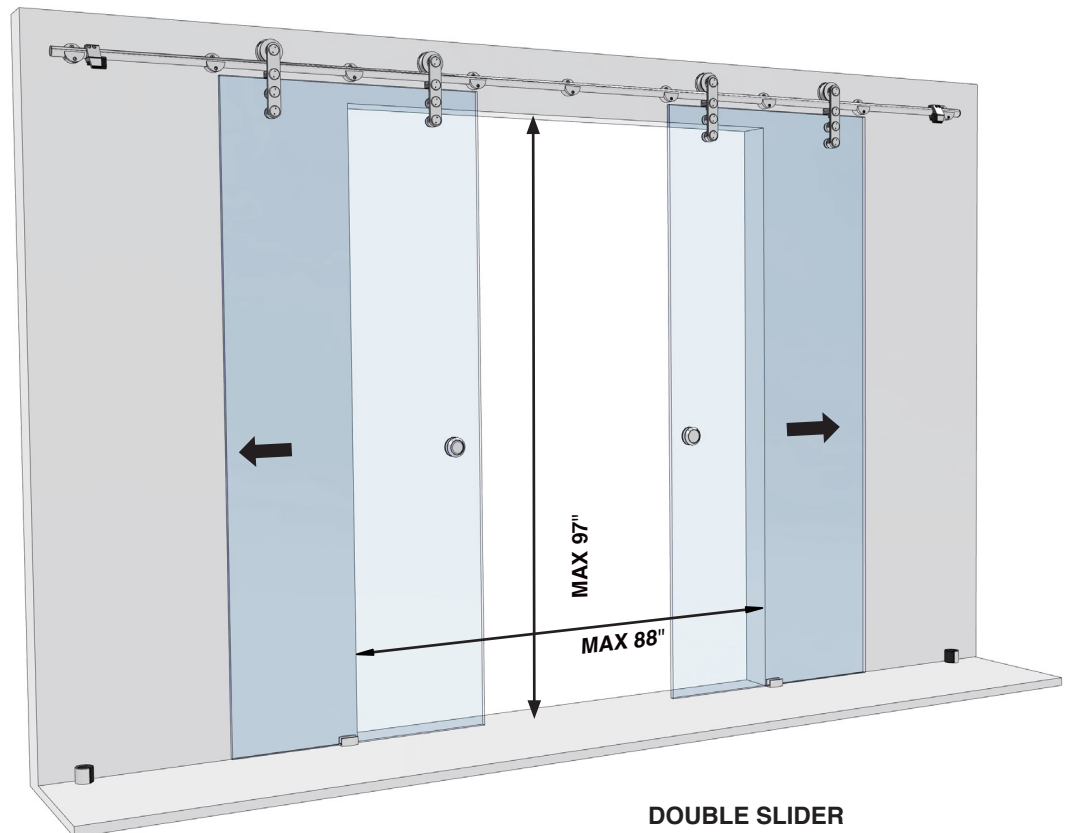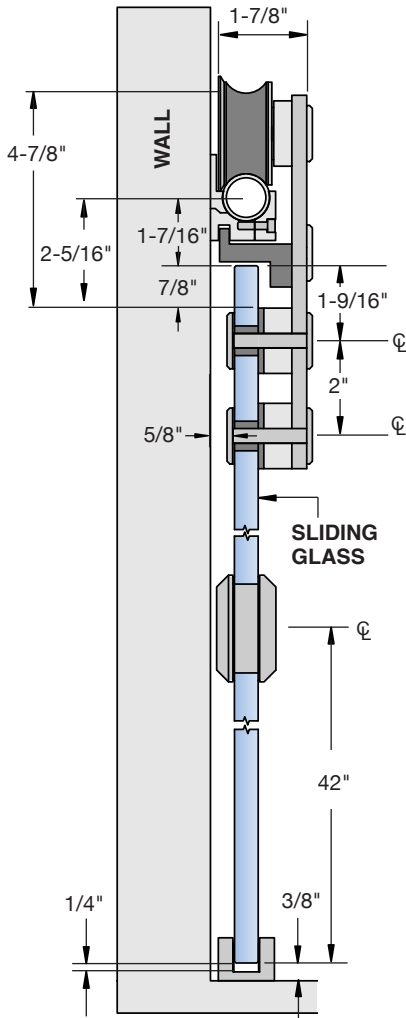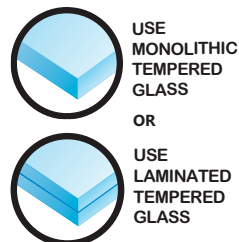# FHC DOUBLE WALL MOUNT CARMEL SERIES SLIDER KIT
CDWM02

- **Designed for Use With 3/8"-1/2" Tempered Glass**
- **Or 9/16" Tempered Lami Glass with SGP Interlayer**
- **Precision Adjustable Anti-Lift Top Rollers**

- **Complete Installation Kit (Glass not Included)**
- **Fast and Trouble-Free Installation**
- **Available in Brushed Stainless and Matte Black**

1-7/8"

WALL

4-7/8"

2-5/16"

1-7/16"

7/8"

1-9/16"

2"

5/8"

SLIDING GLASS

42"

1/4"

3/8"

SECTION VIEW OF SLIDING DOOR KIT

MAX 97"

MAX 88"

DOUBLE SLIDER

USE MONOLITHIC TEMPERED GLASS

OR

USE LAMINATED TEMPERED GLASS

Please Note: Glass is not included and will require fabrication. Detailed information inside.
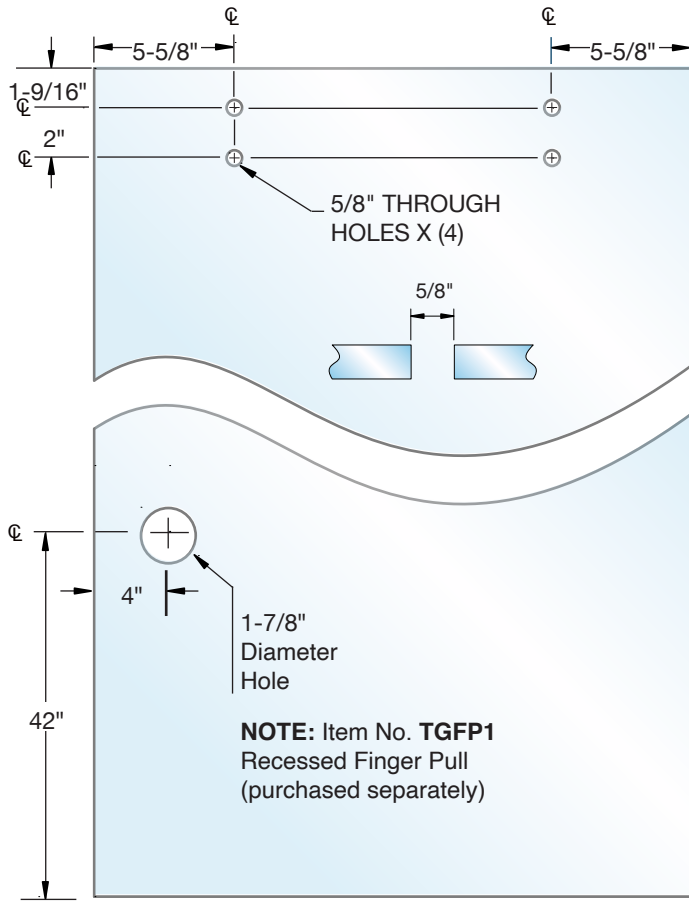
SPECIFICATIONS

Material: Brushed or Matte Black Stainless Steel (316 Alloy)
Glass: Not Supplied
Thickness: 3/8"(10 mm) or 1/2" (13 mm) Monolithic or 9/16" Tempered Lami with SGP Interlayer.
Max Glass Size: 48" Width x 98" Height per side.
Glass Fabrication: (1) 1-7/8" Hole - Finger Pull
(4) 5/8" Through Holes for Top Rollers or
(4) 1" Countersunk Holes for Top Rollers
Fasteners: Supplied

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GLASS FABRICATION (1L AND 1R)

5-5/8" 5-5/8"

1-9/16"
2"

5/8" THROUGH
HOLES X (4)

5/8"

4"

1-7/8"
Diameter
Hole

NOTE: Item No. **TGFP1**
Recessed Finger Pull
(purchased separately)

42"

STANDARD LAYOUT FOR USE WITH
SURFACE-MOUNT FITTINGS

FIGURE 2

5-5/8" 5-5/8"

1-9/16"
2"

1-5/16" COUNTERSUNK
HOLES X (4)

90°
1-5/16"
45°
1/8"
1"

4"

1-7/8"
Diameter
Hole

NOTE: Item No. **TGFP1**
Recessed Finger Pull
(purchased separately)

42"
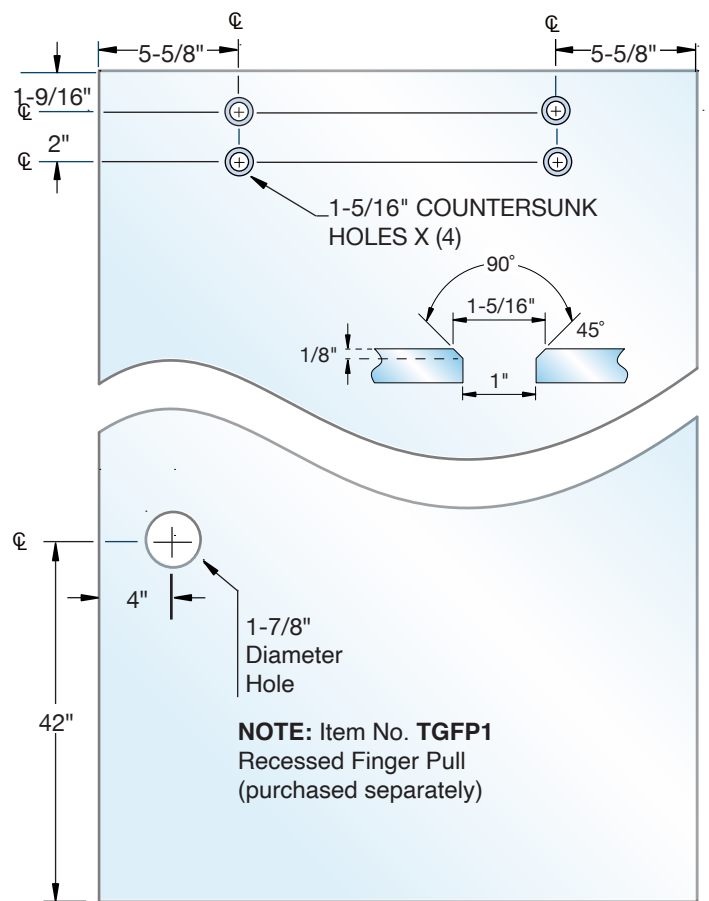
OPTIONAL LAYOUT FOR USE WITH
FLUSH-COUNTERSUNK FITTINGS

FIGURE 3

SLIDING RAIL FABRICATION

CUT LEFT CSO5 SLIDING TUBE
(D.L.O. WIDTH + 2")

CUT RIGHT CSO5 SLIDING TUBE
(D.L.O. WIDTH + 2")

WALL
MOUNT
1

WALL
MOUNT
2

WALL
MOUNT
3

WALL
MOUNT
4

WALL
MOUNT
5

WALL
MOUNT
6

WALL
MOUNT
7

WALL
MOUNT
8

WALL
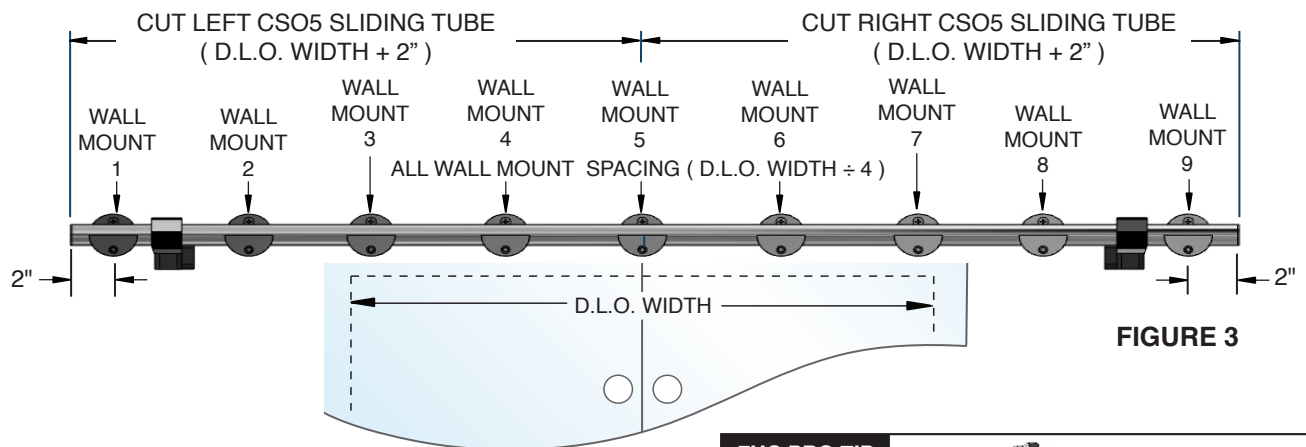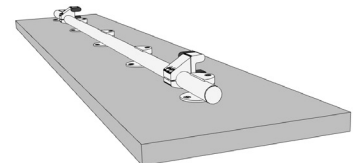MOUNT
9

ALL WALL MOUNT SPACING (D.L.O. WIDTH ÷ 4)

2"

2"

D.L.O. WIDTH

FIGURE 3

FHC PRO TIP

FHC Pros recommend
building the Top Sliding
Rail Assembly on a flat
surface before wall
mounting.

FHC®
FRAMELESS HARDWARE COMPANY
THE GLAZING SUPPLY COMPANY

P.O. Box 1906, South Gate, CA 90280   Toll Free: **(888) 295-4531** | Fax: **323 336-8307** | Web: **fhc-usa.com**

STEP-BY-STEP INSTRUCTIONS

The Carmel Series CSWM02 Double Door Sliding Glass System must be attached properly to a structurally sound wall. Internal frame backing is recommended behind each Wall Mounting Bracket. The installer must be certain he fastens into the wall framing with the provided screws. Doing so may require that the mounting brackets are not necessarily centered which is an acceptable condition.

All size and placement calculations are based on the Day Light Opening (DLO) dimensions of the Doorway.

STEP 1 — **Verify** that you have receive all parts before proceeding. Assure that the active wall has been inspected for defects and out of plum conditions. Make sure that outlets and switch-plates will not be obstructed. Check for High-Spots in the floor that may cause Door Binding.

STEP 2 — **Fabricate Glass Doors** (Figure 1) or (Figure 2) for Surface or Flush Mounting. Left and Right panels required. Start by determining the Horizontal and Vertical Day Light Opening (D.L.O.) of the Doorway to be glazed. Record it in the spaces below so that you can easily retrieve it for upcoming calculations. The Day Light Opening (D.L.O.) is the dimension visible through the doorway Width and Height. See page 4 for D.L.O. definition.

D.L.O.Width _____   D.L.O.Height _____

STEP 3 — **Fabricate the CS05 Top Sliding Tubes**. (Figure 3) Calculate the required tube lengths and cut to size using the formula below. Two tubes will be used and spliced together in the center Wall Mount Clip.

CUT EACH TUBE LENGTH = (D.L.O. WIDTH + 2")

STEP 4 — **Prepare the CS05 Top Sliding Tube Assembly** It is advisable to assemble the Top Sliding Tube and components on a flat surface or table top. By facing all of the Wall CS03 Wall Mount Clips down on the work surface, as you position and tighten them into place, you can be certain that they will be aligned for the wall attachment step.

STEP 5 — **Attach the CS03 Wall Mounting Clips.** **(Figure 3)** Open the front clamping face of each CS03 Wall Mount Clip by loosening the socket head cap screws using the 3mm Hex Wrench provided. Slide each clip onto the CS05 Top Sliding Rail with the mounting face down on the work surface. Use Spacing Formula below to calculate the correct spacing of each clip. Tighten into position. **NOTE:** The CS03 Wall Mount Clips are positioned using their centerlines and clips 1 and 9 are spaced 2" from each end. Wall Mount Clips 3 and 7 will be over each opening side. Clip 5 will be centered over the D.L.O.

WALL MOUNT CLIP SPACING = (D.L.O. WIDTH ÷ 4)

STEP 6 — **Position and Mount the Top Sliding Tube Assembly (Figure 3)** Lift the assembled Sliding Tube up and into place. When level, mark all 9 top Holes of the CS03 Wall Mounting Clips and mount with provided fasteners. Loosen the socket head cap screws on the front of each bracket and remove the Top Rail giving you access to the bottom screws of the Wall Brackets. Complete mounting the Wall Clips using the supplied fasteners through the bottom holes. Position the CS02 Top Door Stops on the Sliding Tube and hang it on the attached wall mount clips from step 5.

STEP 7 — **Attach the CS01 Top Roller Assemblies** Determine the type of mounting that your project requires, surface or flush mount glass. Mount the Top Roller Assemblies the Glass door using the special spanner wrench. Remove the black plastic Anti-Lift Block on each roller and lift the door/roller assembly onto the Sliding Tube Assembly. Verify that the door slides smoothly and re-attach the anti-lift blocks. Adjust the bottom door-to-floor gap to 3/8" using the set screws on top of each CS01. Make sure that it rolls freely from side-to-side. Replace the Anti-Lift blocks on each Roller. Install the Finger Pull.

STEP 8 — **Adjust the CS02 Top Door Stops.** **(Figure 5)** Roll the doors to the open position verifying a 2"overlap on each side. Slide the appropriate Top Door Stop into position on the Top Rail and tighten. Repeat the procedure with the other Top Door Stop with the Glass Door in the open position.
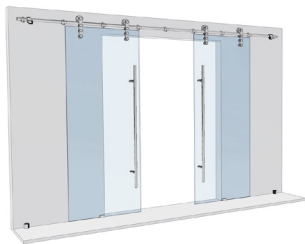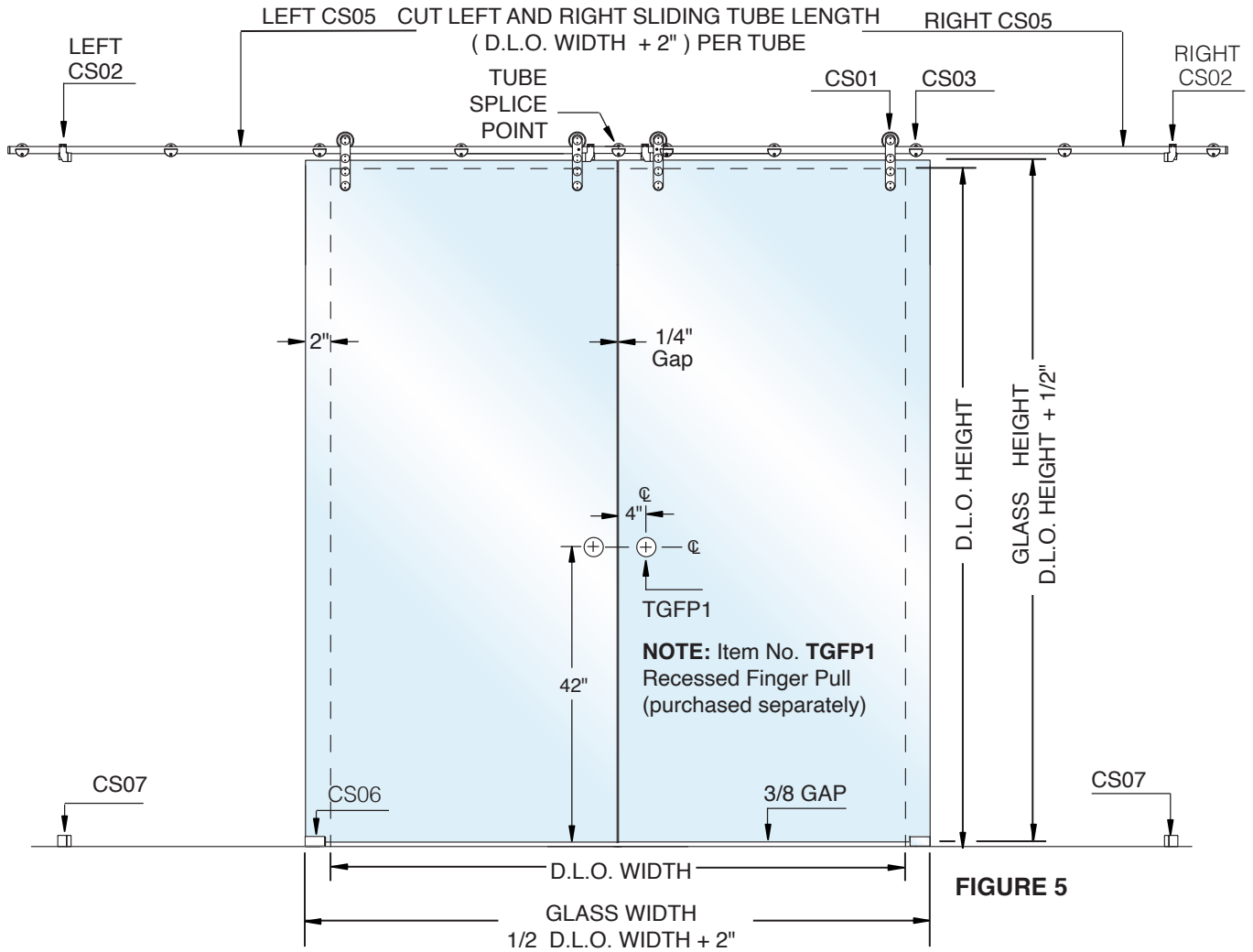
STEP 9 — **Install the CS06 Floor Guide and CS07 Bottom Door Stops.** **(Figure 5)** Install the Floor Guide as illustrated in the drawing. The door should remain in the guide at all times in any position. Attach each Bottom Door Stop to the floor. Align with the door fully closed and fully open. The Rolling Glass Door should bump the Top and Bottom Door stops at the same time to prevent the door becoming misaligned.

STEP 10 — **Install the TGFP1 Recessed Finger Pull. (Figure 5)** Make any final adjustments. Minor height adjustments can be made using the set screw on the top of each roller assembly. **(TGFP1 purchased separately, not included in kit)**

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PARTS AND ASSEMBLY

LEFT CS02
LEFT CS05 — CUT LEFT AND RIGHT SLIDING TUBE LENGTH (D.L.O. WIDTH + 2") PER TUBE
RIGHT CS05
RIGHT CS02

TUBE SPLICE POINT

CS01 CS03

2"

1/4" Gap

D.L.O. HEIGHT

GLASS HEIGHT
D.L.O. HEIGHT + 1/2"

4"

TGFP1

NOTE: Item No. **TGFP1**
Recessed Finger Pull
(purchased separately)

42"

CS07
CS06
3/8 GAP
CS07

D.L.O. WIDTH

GLASS WIDTH
1/2 D.L.O. WIDTH + 2"

FIGURE 5

Optional FHC Ladder Handles available in Matte Black and Brushed Nickel

CS01
Top Roller w/ optional Flush Fittings
(4 each)

CS02
Top Door Stops
(4 each)

CS03
Wall Mount Clamps
(10 each)

CS05
Top Sliding Tube w/End Caps (105")
(2 each)

CS06
Floor Guide
(2 each)

CS07
Bottom Door Stop
(2 each)

TGFP1
Recess Finger Pull
(purchased separately)

CSTKIT
Tool Kit
(1 each)

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