

# Eclipse Architectural®

Hardware systems for exterior folding doors and windows

*Beautiful doors for beautiful spaces*

## E3™ System

Hardware, Track, Sill System & Weathersealing for Exterior Folding Doors & Windows

Specification & Fabrication Catalogue 2012

**DSGroup®**

[www.theDSgroup.com](http://www.theDSgroup.com)

**Tomorrow's Innovative Solutions for Today's Doors & Windows**

The DS Group Of Companies: Draftseal®, Kristrack®, Eclipse Architectural® & DSD Hardware

# Hardware, Track, Sill System & Weathersealing for Exterior Folding Doors & Windows

## In a single direction

maximum panel weight: 220 lbs (100 kg) each panel  
 maximum panel width: 39" (990mm)  
 maximum panel height: 118" (2997mm)  
 maximum number of panels: 8 each way

- panel thickness: 1-3/4" (44.45mm) or 2-1/4" (57.15mm) when using E3™ sill system
- panel thickness: 1-3/8" (34.9mm) to 3" (76.2mm) when using floor channel

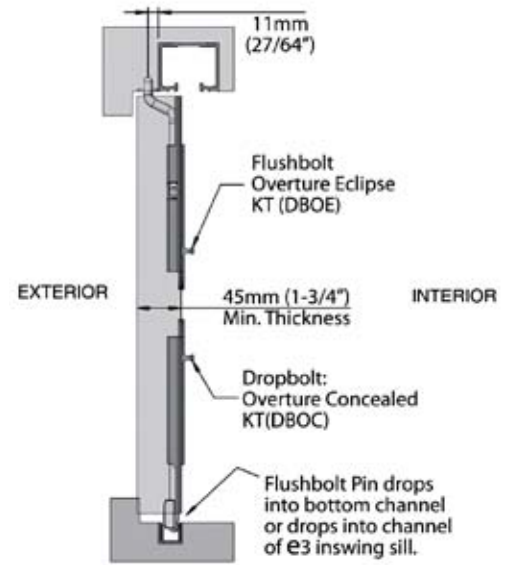
NOTE: When using maximum panel width & height 39" (990mm) x 118" (2997mm) panel may exceed maximum panel weight of 220 lbs (100 kg). Calculated weight check should be done.



### Eclipse E3 Drilling Jig

**KTE3DJ**

Refer to the E3 Drilling Jig instruction sheet on [www.eclipsearchitectural.com](http://www.eclipsearchitectural.com) (under Products > E3 Folding Door Systems)



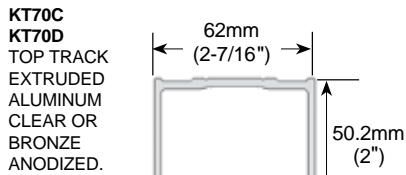
### Flushbolts for Inswing Doors

Refer to pages 26 - 28 for Inswing application

## Parts Selection

Eclipse E3 is specified with 5 separate groups: track, sill, weathersealing, flushbolts and hardware. Components are required from all 5 groups to build an Eclipse folding door system.

## Top Track



5 STANDARD LENGTHS  
 9'-3", 12'-3", 15'-3", 18'-6", 24'-6"  
 (2.81m, 3.73m, 4.64m, 5.63m, 7.46m)



TOP TRACK WITH FLUSHBOLT PIN CHANNEL  
**KT73C** Clear Anodized  
**KT73D** Bronze Anodized

## Sill System

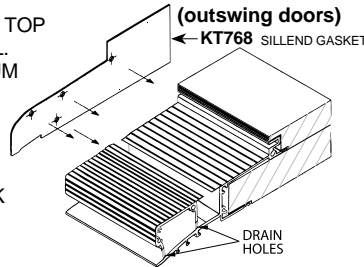
**KT781 OR KT791** FIR TOP WATER RETURN SILL. EXTRUDED ALUMINUM CLEAR OR BRONZE ANODIZED.

5 LENGTHS UP TO 24'-6" (7.47m). SAME AS TOP TRACK

ORDER FLUSHBOLT CUPS AND SILL ASSEMBLY END GASKETS SEPARATELY.

**KT750**GASKET

INCLUDED WITH **KT749** (FITS UNDER RIM OF CUP)

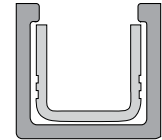


**KT23** FLOOR CHANNEL EXTRUDED ALUMINUM CLEAR OR BRONZE ANODIZED. 5 LENGTHS UP TO 24'-6" (7.47m) SAME AS TOP TRACK



**KT23BVE**

REPLACEMENT POLYPROPYLENE CHANNEL FITS INSIDE ALUMINUM CHANNEL



ALUMINUM CHANNEL WITH INSERT

## Weatherseals & Astragal

**KT369A7545G**  
 ALUMINUM T-SLOT EXTRUSION WITH PILE INSERT FOR BOTTOM OF DOORS.



**KT426W, KT426B, KT426BL**  
 WHITE, BROWN OR BLACK WEATHERSEAL FOR BETWEEN DOORS.



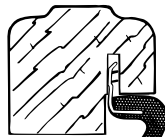
**KT427W, KT427B, KT427BL**  
 WHITE, BROWN OR BLACK WEATHERSEAL FOR SILL, JAMB AND HEADER.



**KT428W, KT428B, KT428BL**  
 WHITE, BROWN OR BLACK ADHESIVE BACKED WEATHERSEAL FOR BETWEEN DOORS. USE ON CLAD DOORS WHERE KERF SLOT IS NOT POSSIBLE.



**KT190**  
 ASTRAGAL (FIR) MAY BE STAINED OR PAINTED



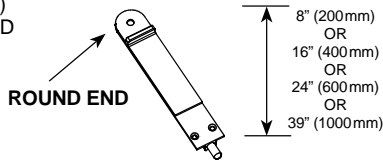
**KT427** KERF SEAL



**KTP108-35**  
 FOR DOOR WITH ASTRAGAL.

## Flushbolts

(OUTSWING DOORS)



**SYMPHONY STYLE**  
 1" (25.4mm) BOLT THROW LENGTH

3 FINISHES  
 PVD BRASS ON ALUMINUM.  
 BRONZE POWDER COAT ON ALUMINUM.  
 BRUSHED METALLIC ON ALUMINUM TO MATCH STAINLESS STEEL.

## Hardware

4 FINISHES:  
 STAINLESS STEEL,  
 PVD BRASS,  
 PVD BRONZE,  
 WHITE POWDER COAT

### REPLACEMENT PARTS

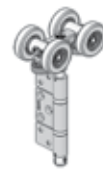
END CAPS FOR ALL HINGES

**KTE3PCPTG** FOR PVD BRASS.

**KTE3PCPOL** FOR PVD BRONZE

**KTE3PCPS** FOR STAINLESS STEEL.

**KTE3PCPW** FOR WHITE POWDER COAT.



NO SCALE

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KT782E3D	17	KTE3HNH SOL	34, 35		
KT782E3FIRC	17	KTE3HNHSS	34, 35		
KT782E3FIRD	17	KTE3HSTG	34, 35		
KT788E3C	22	KTE3HSOL	34, 35		

# Legend

X	Satin aluminum
G	Bright gold anodized
TG	PVD brass
OL	PVD bronze
Q	Powder coat bronze
S	Stainless steel
C	Clear anodized
D	Bronze anodized
B	Brown
W	White
BVE	Black vinyl extrusion
BL	Black
DCH	Satin chrome
NK	Black pile
NG	Grey pile

## Swing

IS	Inswing
OS	Outswing

## Misc

SPC	Sill protective cover
GASKET	A/B gasket
FORB	Router bit
FIR	Fir top mould
OAK	Oak top mould
DJ	Drill jig for hinges

## Lengths For Flushbolts

200mm	7-13/16" (198mm) actual
400mm	15-11/16" (398mm) actual
600mm	23-1/2" (597mm) actual
1000mm	39-3/8" (999mm) actual

## Hardware

ICS	Intermediate carrier 3 piece set
LCS	Left carrier 2 piece set
RCS	Right corner 2 piece set
PS	Pivot top & bottom 2 piece set
EH	"D" pull handle 1 piece
H	Hinge flat with handle 1 piece
HH	Hinge offset with handle 1 piece
HNH	Hinge flat no handle 1 piece
HHNH	Hinge offset no handle 1 piece
HS	Hinge flat with handle 3 piece set
HHS	Hinge offset with handle 3 piece set
HNHS	Hinge flat no handle 3 piece set
HHNHS	Hinge offset no handle 3 piece set
WP	Wall pivot

## Misc / Spare Hardware Components

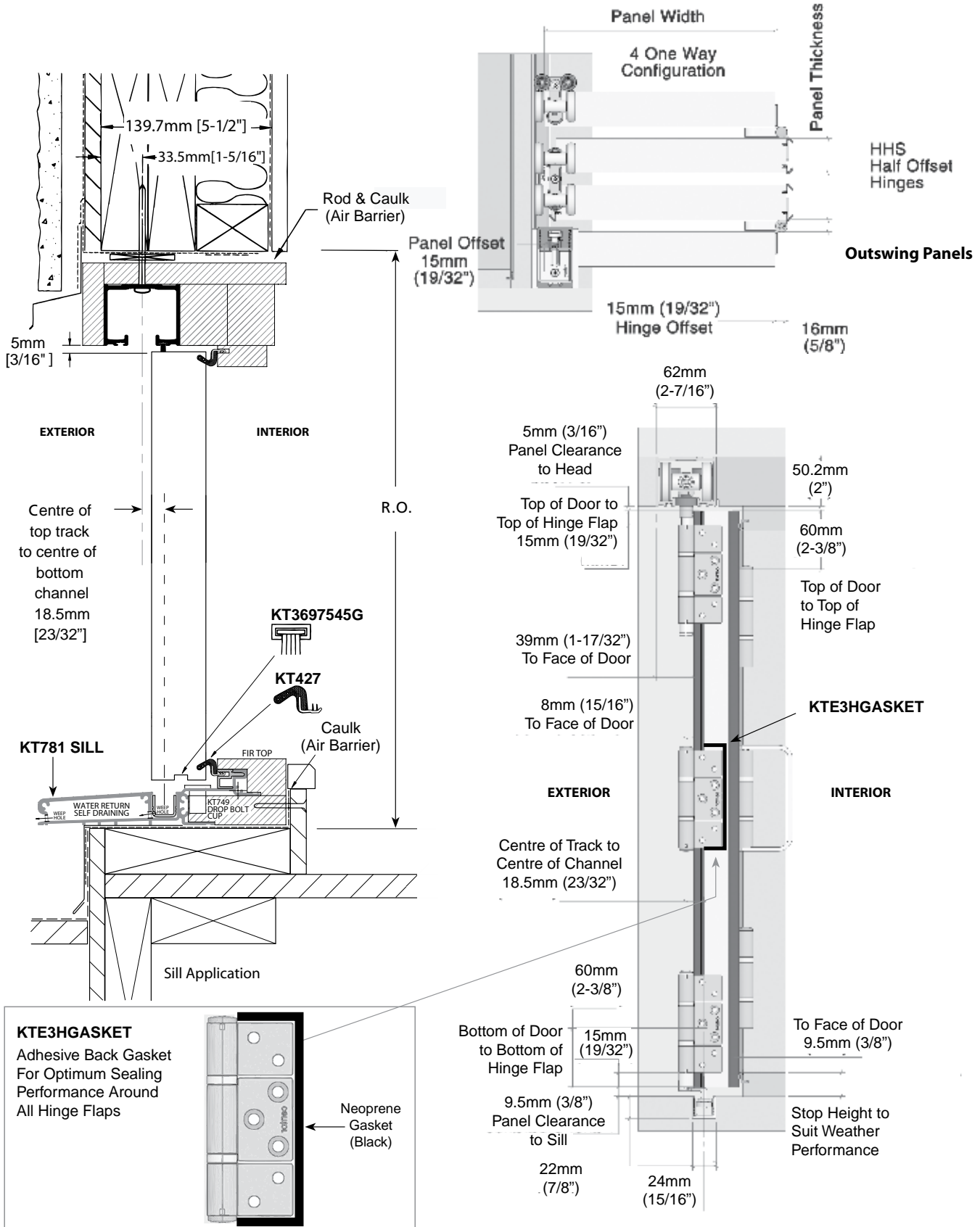
PCS	End cap for OC flushbolts pin
SP	Striker plate
CBP	Bottom pivot housing
PCP	Pivot cap
SCREW	Screws for hinge flaps
WPCUP	Wall pivot jamb cup only
SPOC	Striker plate OC flushbolt
TPPLATE	Top pivot mounting plate
DH	Door hold

## Flushbolts

KTDBSY	For outswing application
KTDBOC	For inswing application installed at bottom of panels
KTDBOE	For inswing application installed at top of panels

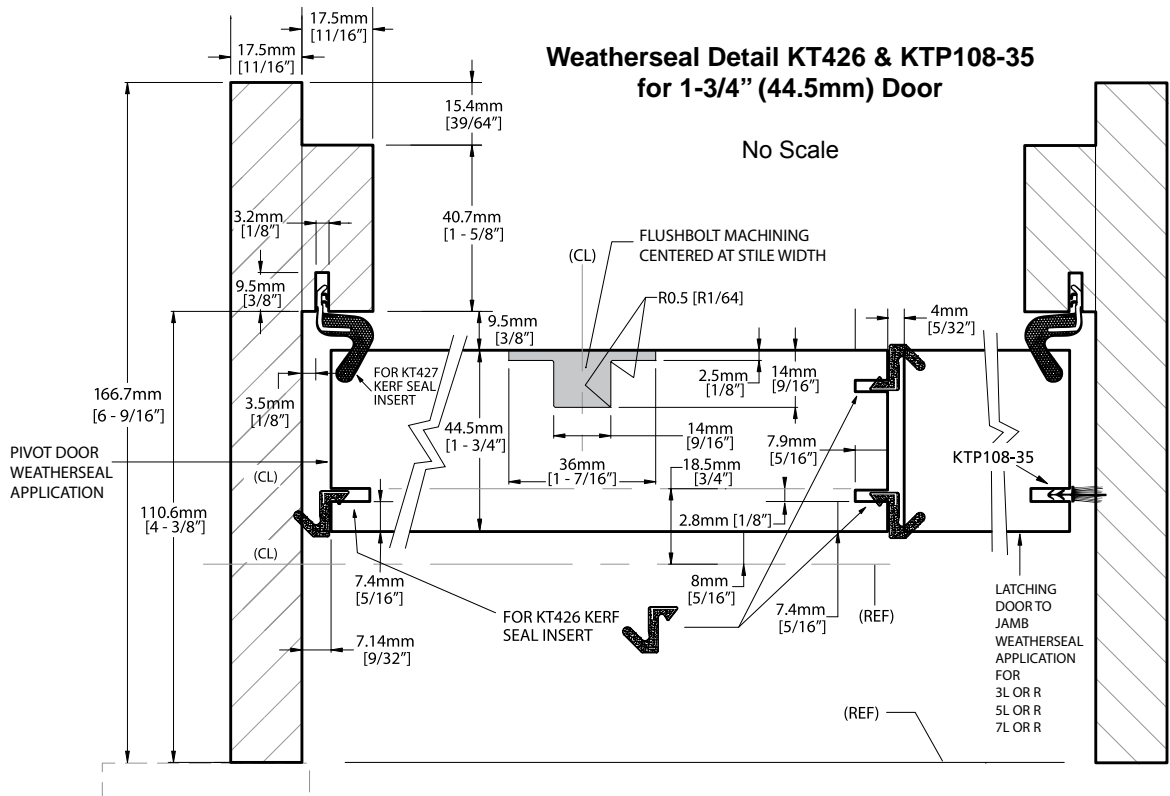
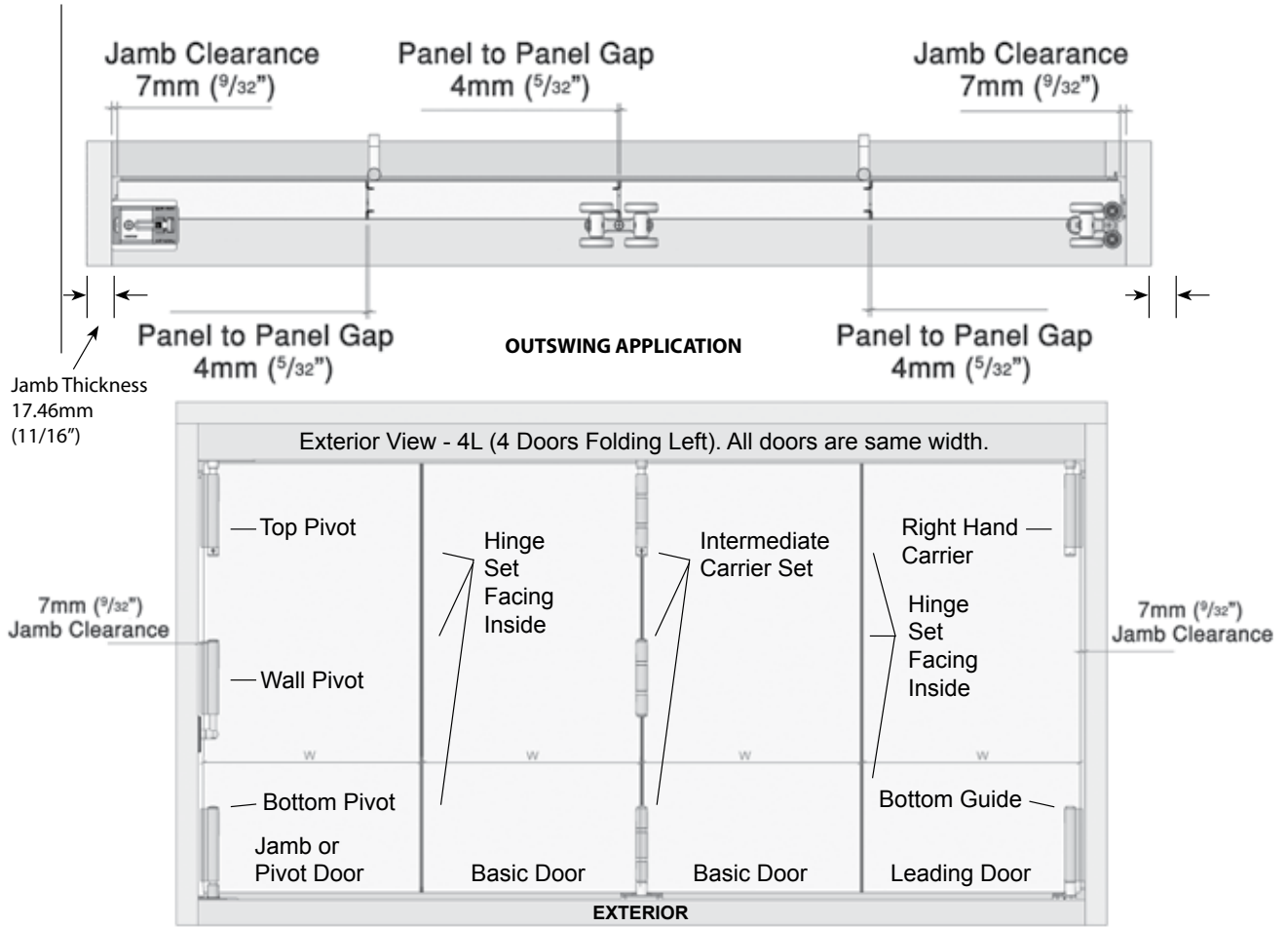


# E3™ Architectural Detail



NO SCALE

# E3™ Architectural Detail



NO SCALE

# Hardware List For Door Configurations

## Passage Set/Lock, Flushbolt, Astragal & Hardware Placement For Outswing Applications

From Left to Right

2L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
2L1R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
3L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
3L1R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
4L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
4L1R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
3L2R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
5L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
3L3R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
7L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>3x KTE3CICS Intermediate Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
4L3R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>3x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
5L2R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
5L3R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>3x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>8x KTDB Non-Keyed Flushbolt</li> </ul>
6L		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>

### Hardware Legend

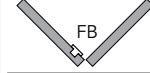
PS	Pivot Set
WPS	Wall Pivot Set
ICS	Intermediate Carrier Set
LCS	Left Carrier Set
RCS	Right Carrier Set
HHS	Half Offset Hinge Set
HS	Hinge Set (Flat)
FB	Flushbolt
ESP	Extended Strike Plate
DH	Door Hold
MAG	Magnet
TP	Twinpoint

### Legend

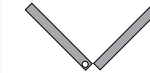
Passage Set / Lock by Other



Flushbolts Top & Bottom



Twinpoint Option to FB



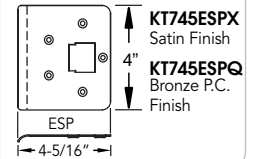
Astragal



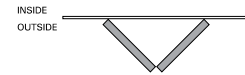
Door Hold



Extended Strike Plate for 1-3/4" Door Only

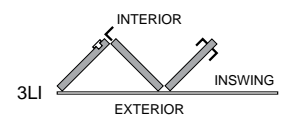
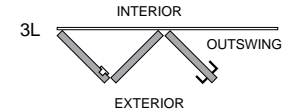


### Floating Door Pairs



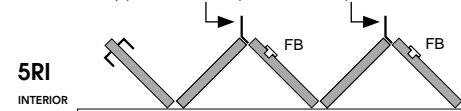
Per Pair of Doors;  
 1x KTE3CLCS Left Carrier Set  
 1x KTE3CRCS Right Carrier Set  
 1x KTE3HS Hinge Set  
 2x KTDB Non-Keyed Flushbolt

### How to Determine Swing of Systems:



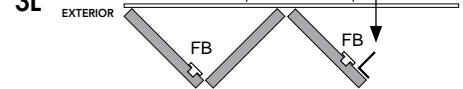
Configuration is always determined when viewing system from exterior side, going from left to right.

inswing application "D" pull handle option



Use "D" pull handle on exit door (outswing system) where passage set / lock not required. Use flushbolts top and bottom to lock door from the inside only. Note: exit door not accessible from exterior.

outswing application "D" pull handle option



Use one "D" pull handle on each pair of inswing doors to pull open and close doors.

NO SCALE

# Hardware List For Door Configurations

## Passage Set/Lock, Flushbolt, Astragal & Hardware Placement For Outswing Applications

From Left to Right

2R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
1L2R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
3R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>2x KTDB Non-Keyed Flushbolt</li> </ul>
1L3R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
2L2R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
1L4R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
4R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
2L3R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>1x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
5R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>4x KTDB Non-Keyed Flushbolt</li> </ul>
3L4R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>3x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
7R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>3x KTE3CICS Intermediate Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
2L5R		<ul style="list-style-type: none"> <li>2x KTE3WPS Middle Wall Pivot</li> <li>2x KTE3CPS Pivot Set</li> <li>2x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CRCS Right Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>1x KTE3HHS Half Offset Hinge Set</li> <li>6x KTDB Non-Keyed Flushbolt</li> </ul>
8R		<ul style="list-style-type: none"> <li>1x KTE3WPS Middle Wall Pivot</li> <li>1x KTE3CPS Pivot Set</li> <li>3x KTE3CICS Intermediate Carrier Set</li> <li>1x KTE3CLCS Left Carrier Set</li> <li>2x KTE3HS Hinge Set</li> <li>2x KTE3HHS Half Offset Hinge Set</li> <li>8x KTDB Non-Keyed Flushbolt</li> </ul>

### Hardware Legend

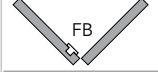
PS	Pivot Set
WPS	Wall Pivot Set
ICS	Intermediate Carrier Set
LCS	Left Carrier Set
RCS	Right Carrier Set
HHS	Half Offset Hinge Set
HS	Hinge Set (Flat)
FB	Flushbolt
ESP	Extended Strike Plate
DH	Door Hold
MAG	Magnet
TP	Twinpoint

### Legend

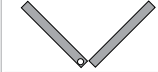
#### Passage Set / Lock by Other



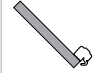
#### Flushbolts Top & Bottom



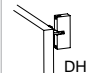
#### Twinpoint Option to FB



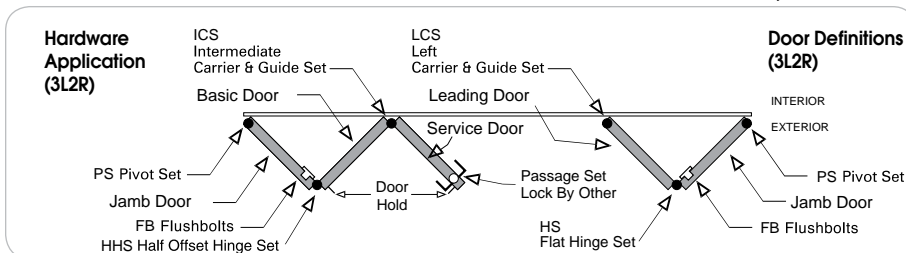
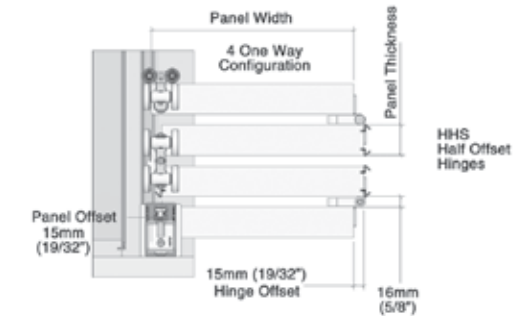
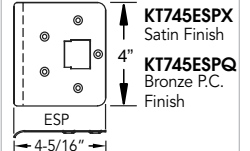
#### Astragal



#### Door Hold



#### Extended Strike Plate for 1-3/4" Door Only

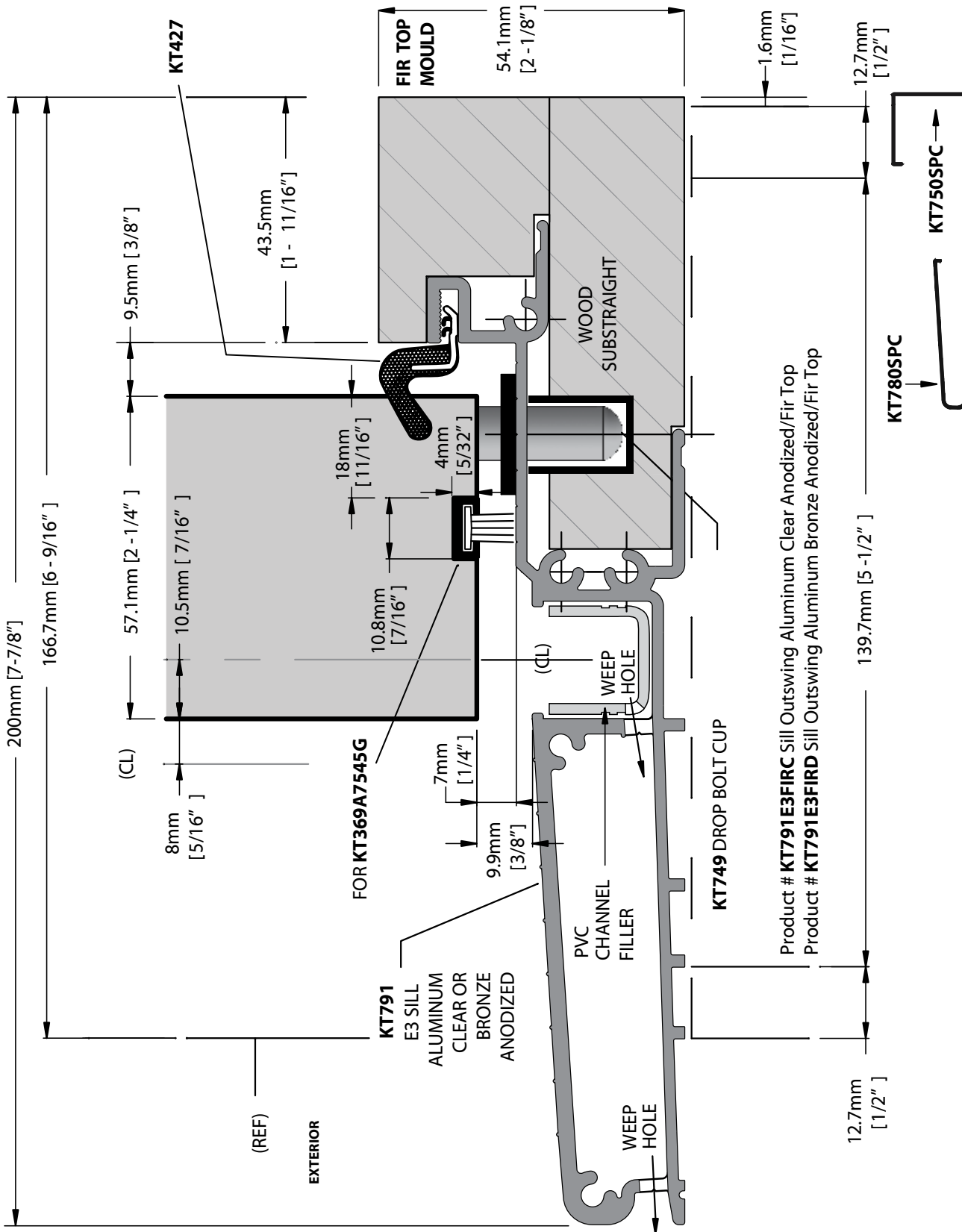


NO SCALE

# KT791 Series E3™ (8") Sill System For 2-1/4" (57.2mm) Door Thickness

Exterior E3 Folding Door, Outswing Application. Actual Full Sill Width: 7-7/8" (200mm).

5 Standard lengths: 9'-3", 12'-3", 15'-3", 18'-6", 24'-6". Sill is fabricated as shown by Eclipse Architectural.



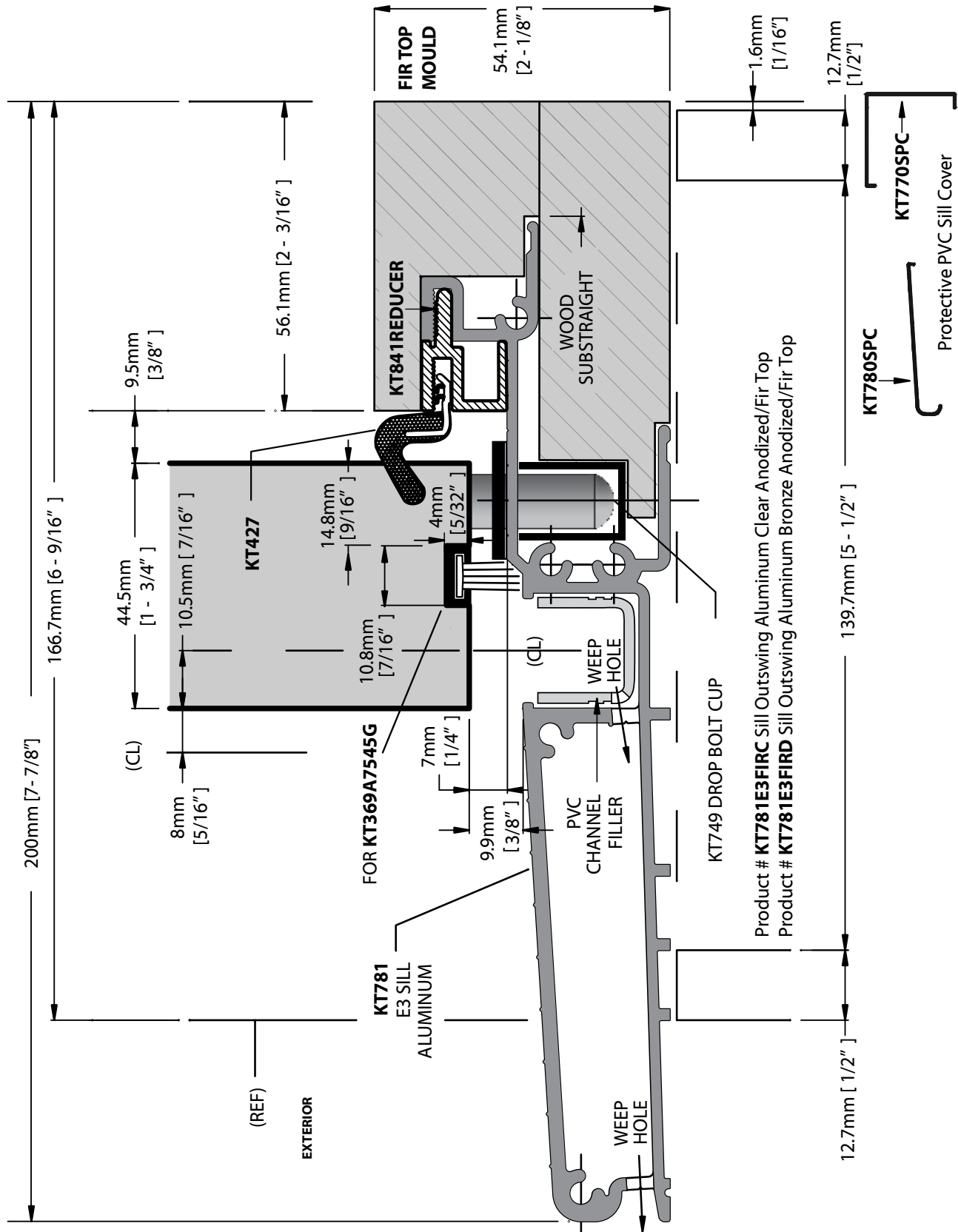
FULL SCALE EXCEPT AS NOTED



# KT781 Series E3™ (8") Sill System For 1-3/4" (44.5mm) Door Thickness

Exterior E3 Folding Door, Outswing Application. Actual Full Sill Width: 7-7/8" (200mm).

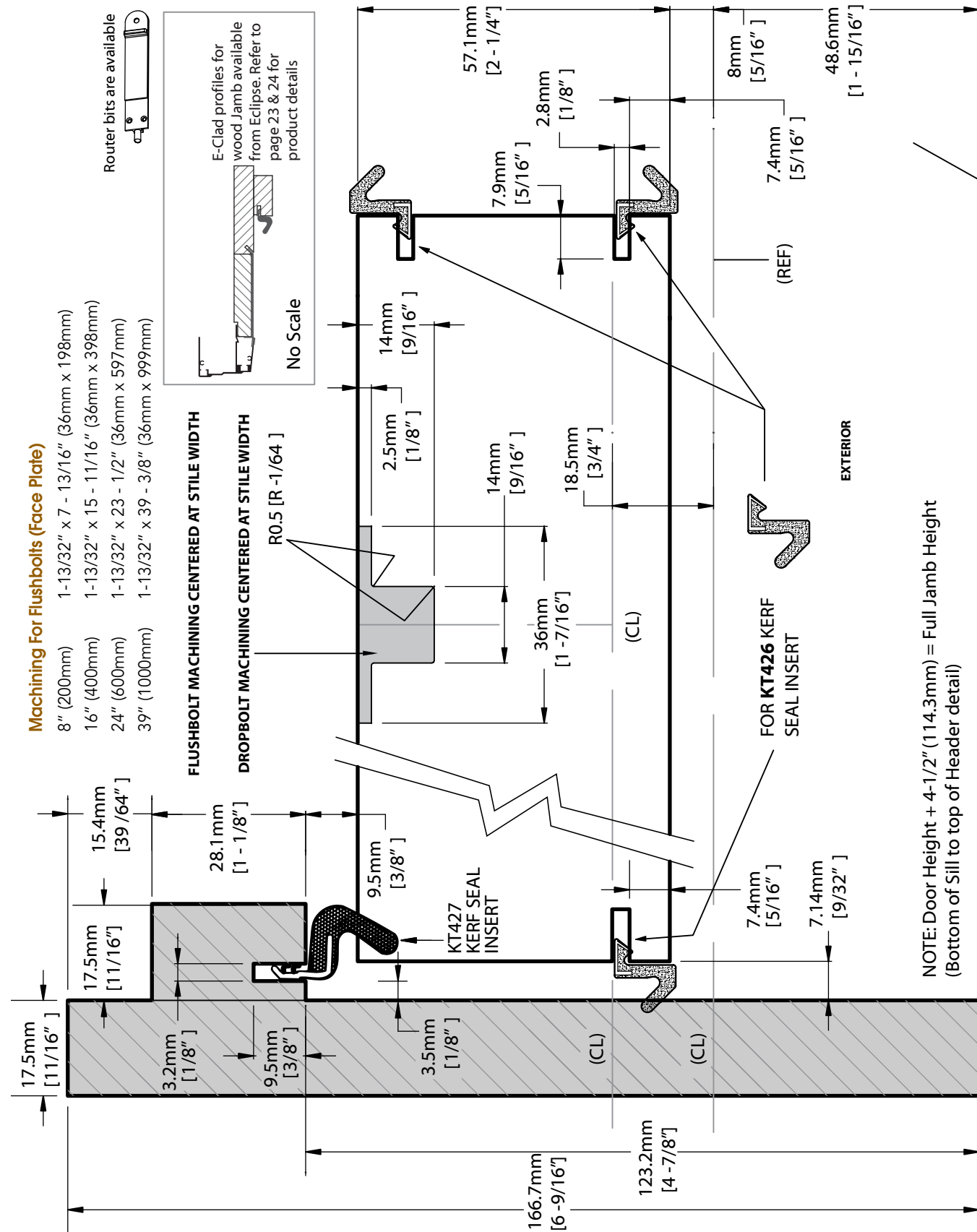
5 Standard lengths: 9'-3", 12'-3", 15'-3", 18'-6", 24'-6". Sill is fabricated as shown by Eclipse Architectural.



FULL SCALE EXCEPT AS NOTED

# E3™ Jamb For 2-1/4" (57.2mm) Door Thickness

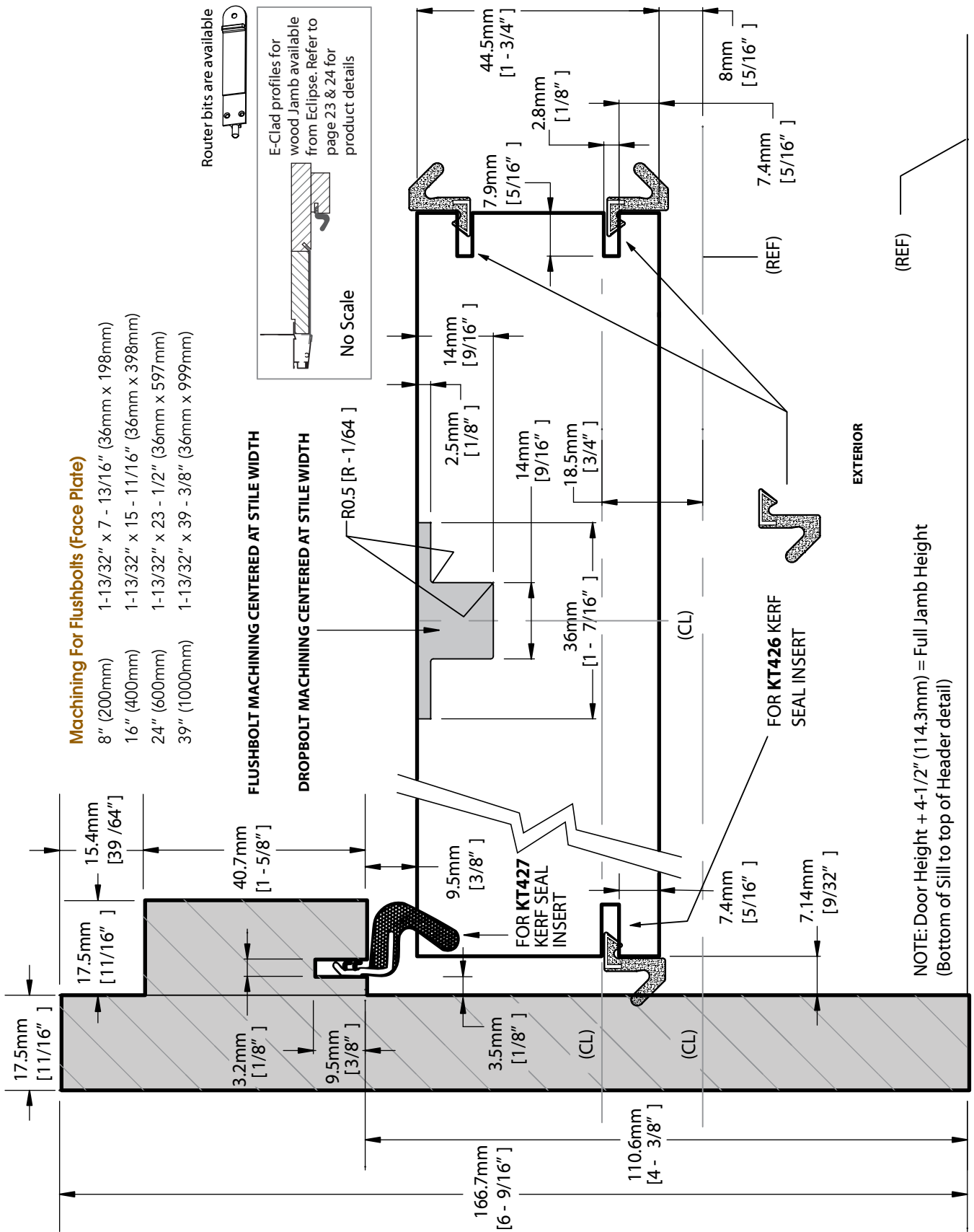
Exterior E3 Folding Door, Outswing Application.



FULL SCALE EXCEPT AS NOTED

# E3™ Jamb For 1-3/4" (44.5mm) Door Thickness

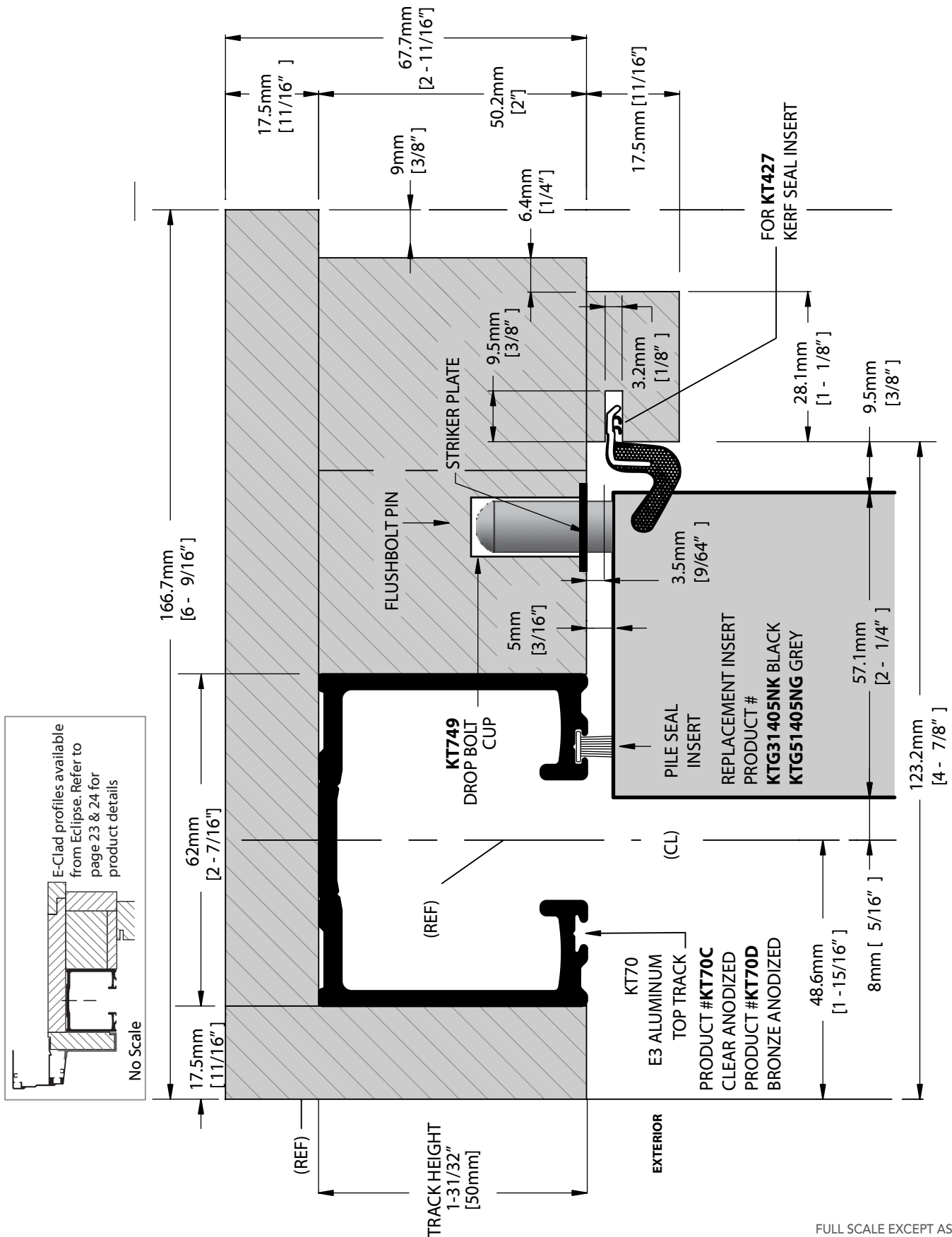
Exterior E3 Folding Door, Outswing Application.



FULL SCALE EXCEPT AS NOTED

# KT70 Top Track E3™ Header For 2-1/4" (57.2mm) Door Thickness

Exterior E3 Folding Door, Outswing Application.



FULL SCALE EXCEPT AS NOTED

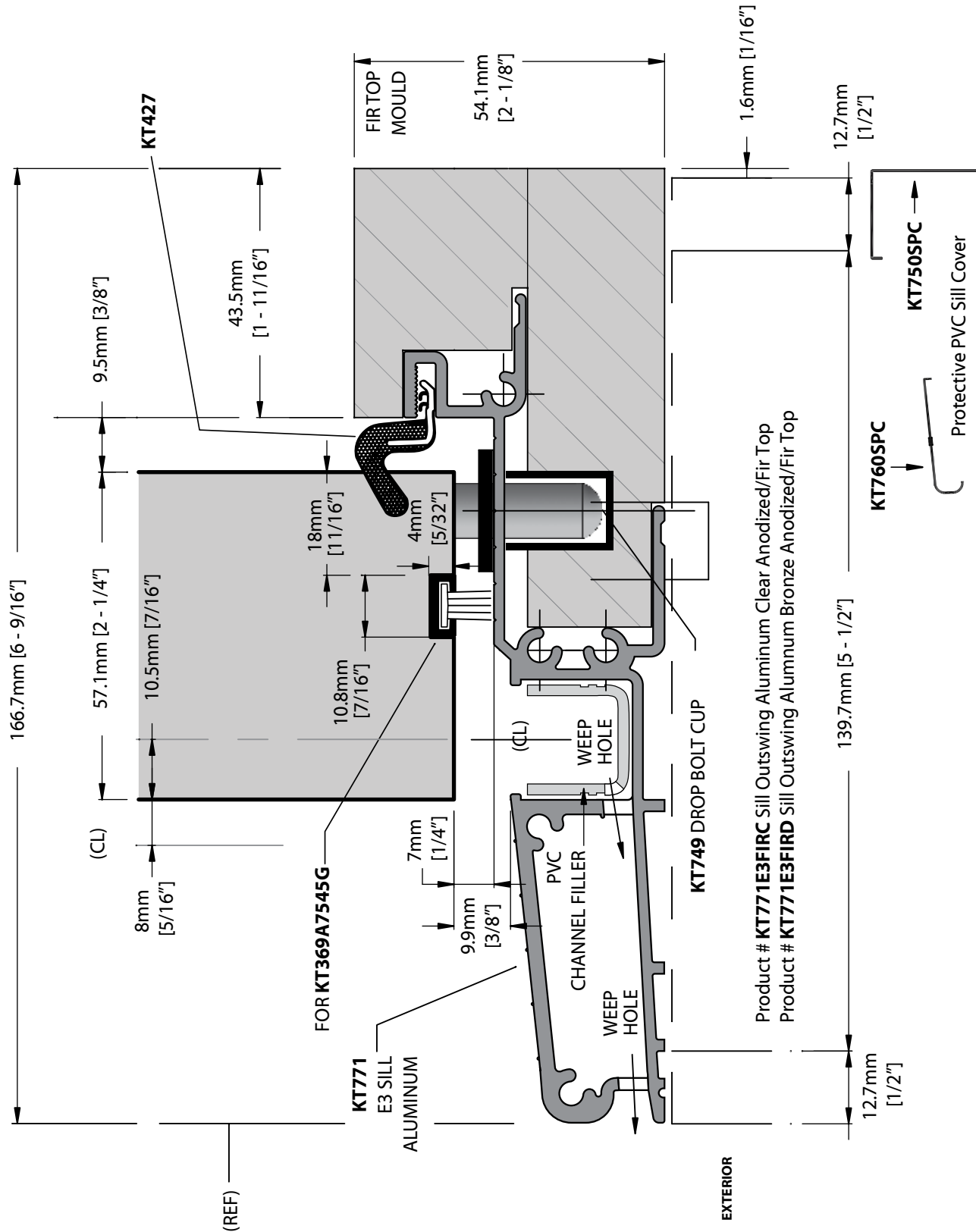




# KT771 Series E3™ (6-9/16") Sill System For 2-1/4" (57.2mm) Door Thickness

Exterior E3 Folding Door, Outswing Application. Actual Full Sill Width: 6-9/16" (166.7mm).

Sill is fabricated as shown by Eclipse Architectural.

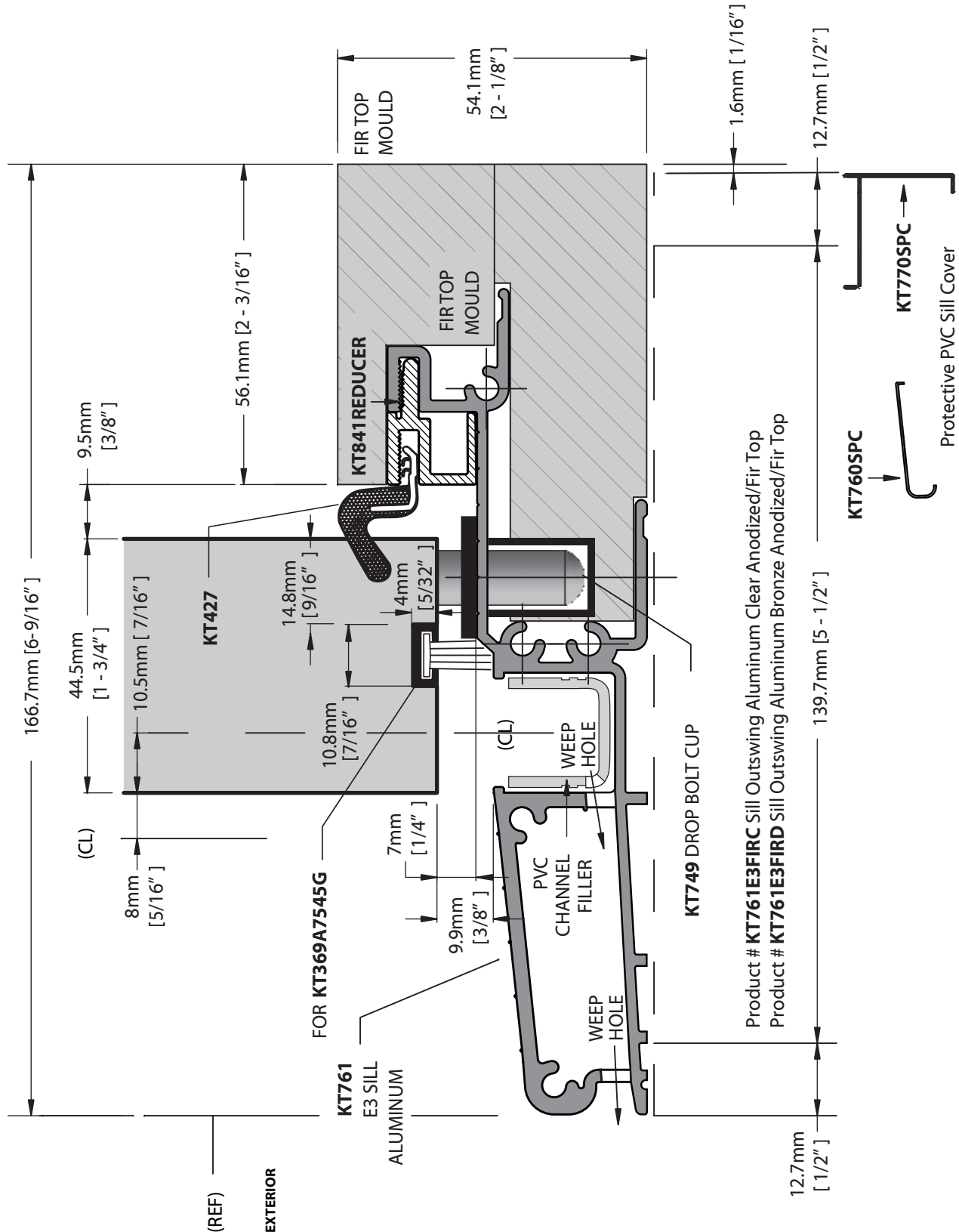


FULL SCALE EXCEPT AS NOTED

# KT761 Series E3™ (6-9/16") Sill System For 1-3/4" (44.5mm) Door Thickness

Exterior E3 Folding Door, Outswing Application. Actual Full Sill Width: 6-9/16" (166.7mm).

Sill is fabricated as shown by Eclipse Architectural.



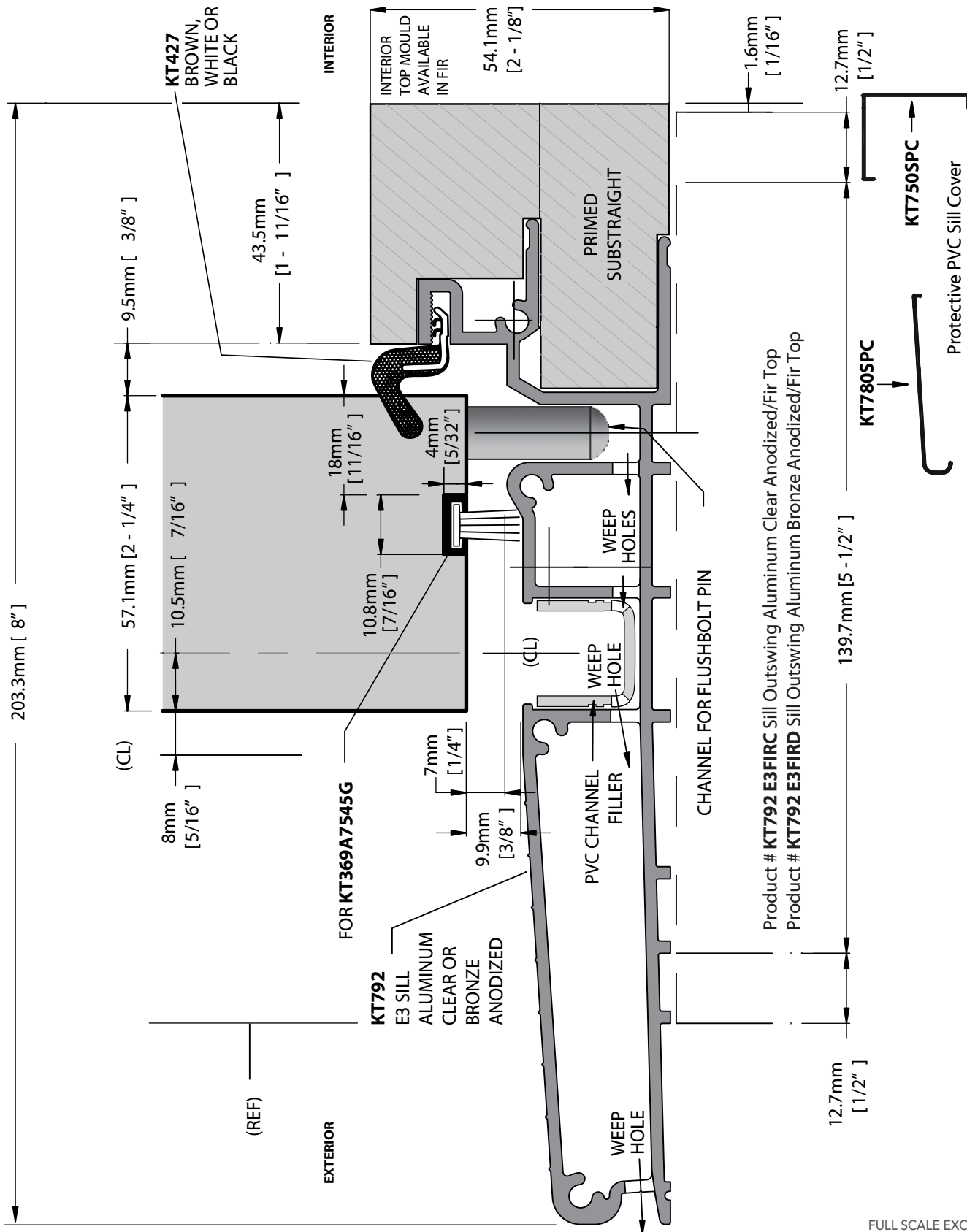
FULL SCALE EXCEPT AS NOTED

# KT792 Series E3™ (8") Outswing Sill System For 2-1/4" (57.2mm) Door Thickness

**Extrusion Alloy 6063 T5.** Actual Full Sill Width: 8" (203.3mm) Flushbolt Channel Version.

**New Generation Sill with Flushbolt Pin Channel.** Sill is fabricated as shown by Eclipse Architectural.

**5 Standard lengths:** 9'-3", 12'-3", 15'-3", 18'-6", 24'-6". Sill is fabricated as shown by Eclipse Architectural.

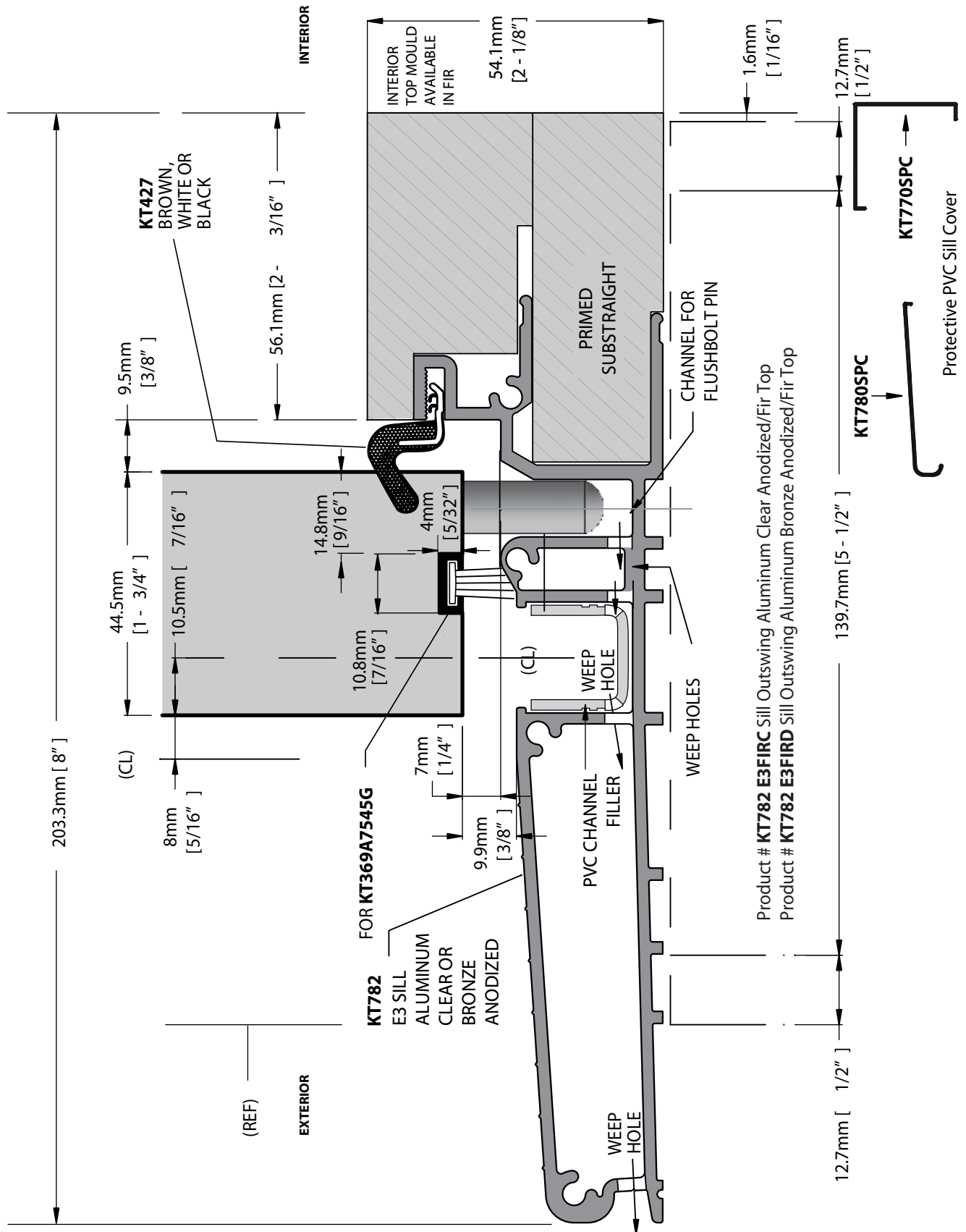


FULL SCALE EXCEPT AS NOTED

# KT782 Series E3™ (8") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

**Extrusion Alloy 6063 T5.** Actual Full Sill Width: 8" (203.3mm) Flushbolt Channel Version.

**New Generation Sill with Flushbolt Pin Channel.** Sill is fabricated as shown by Eclipse Architectural.



FULL SCALE EXCEPT AS NOTED

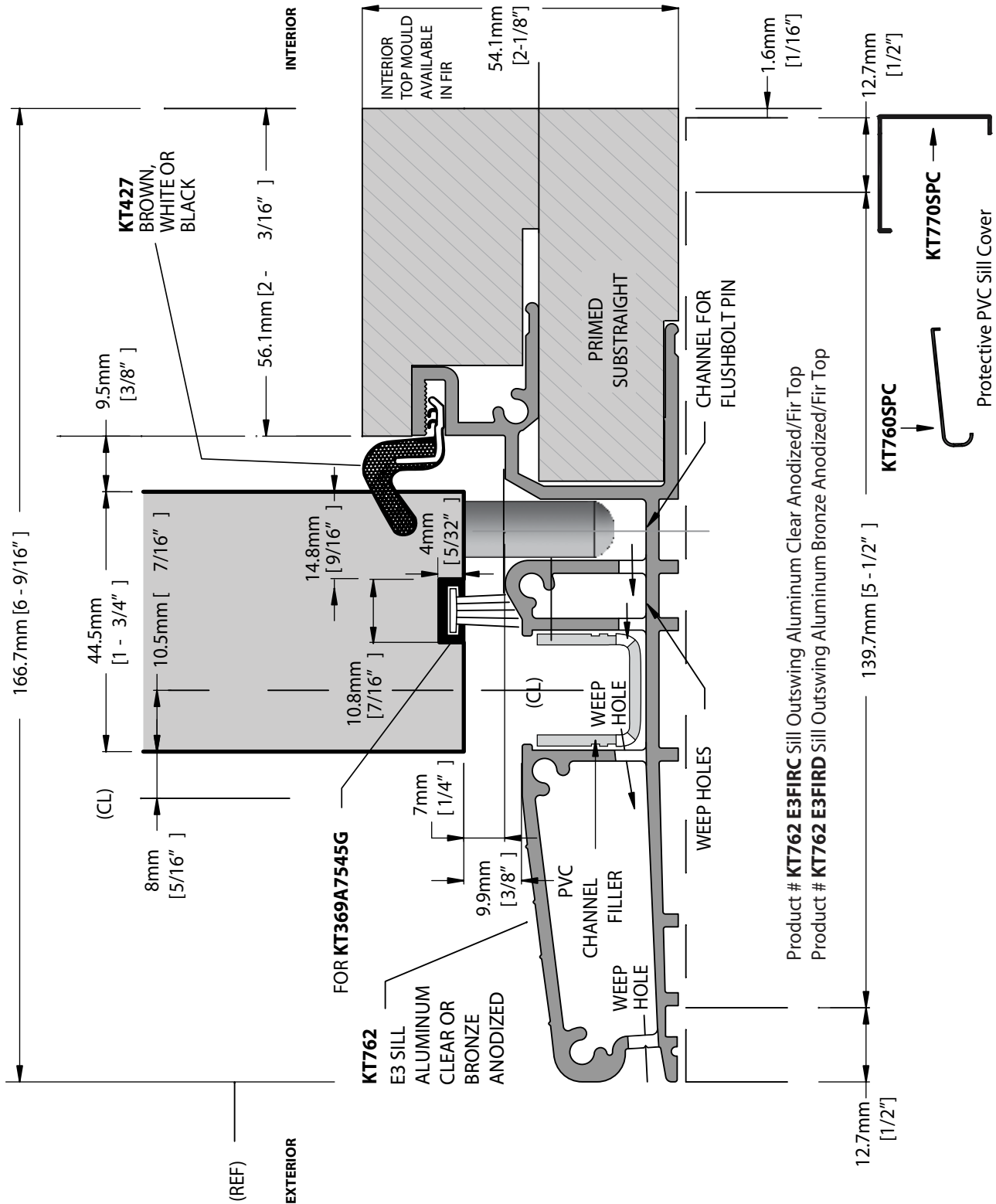




# KT762 Series E3™ (6-9/16") Outswing Sill System For 1-3/4" (44.5mm) Door Thickness

Extrusion Alloy 6063 T5. Actual Full Sill Width: 6-9/16" (166.7mm) Flushbolt Channel Version.

New Generation Sill with Flushbolt Pin Channel. Sill is fabricated as shown by Eclipse Architectural.

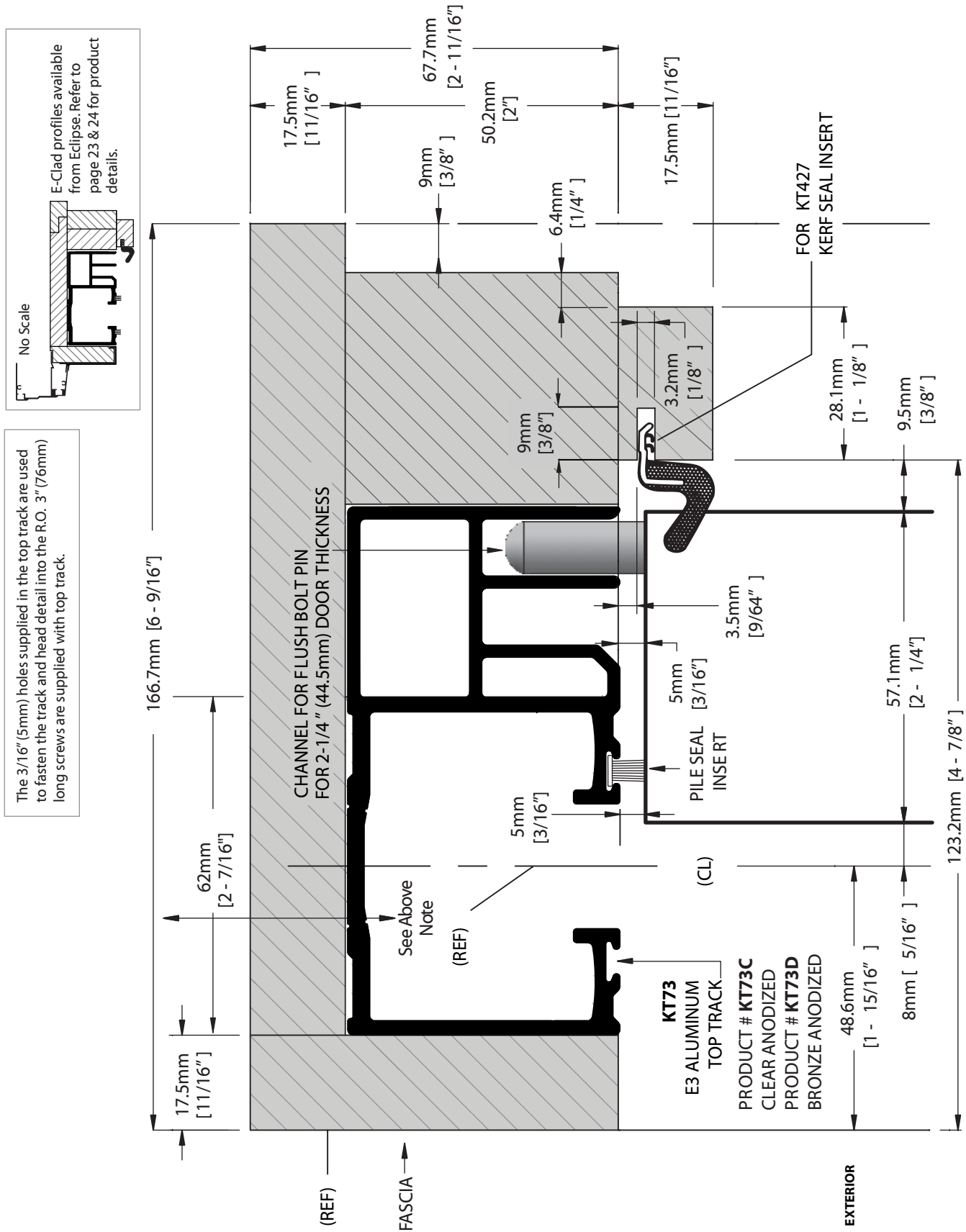


FULL SCALE EXCEPT AS NOTED

# KT73 Top Track E3™ Header For 2-1/4" (57.2mm) Door Thickness

Exterior E3 Folding Door, Outswing Application Only.

New Generation Top Track with Flushbolt Pin Channel.

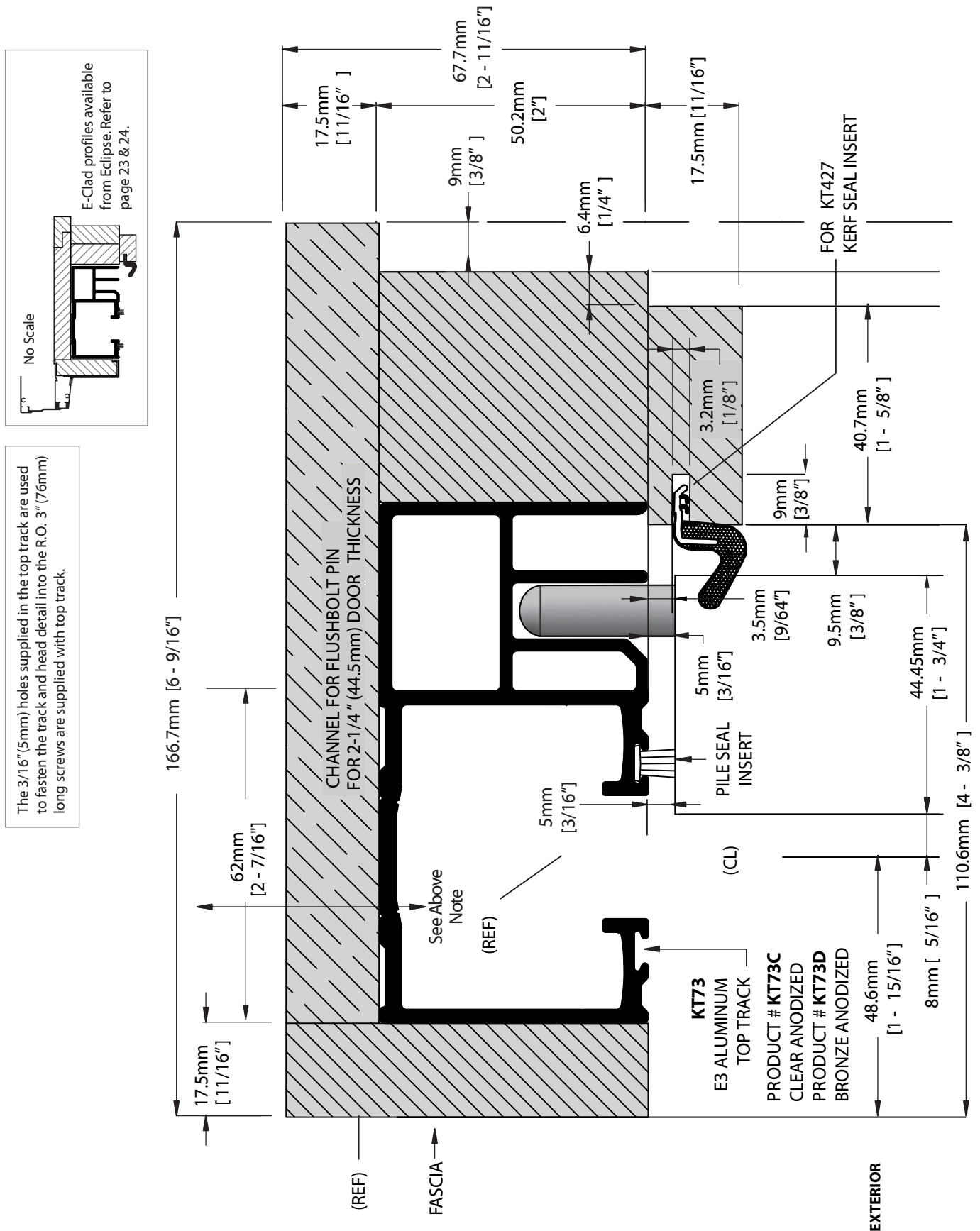


FULL SCALE EXCEPT AS NOTED

# KT73 Top Track E3™ Header For 1-3/4" (44.5mm) Door Thickness

## Exterior E3 Folding Door, Outswing Application Only.

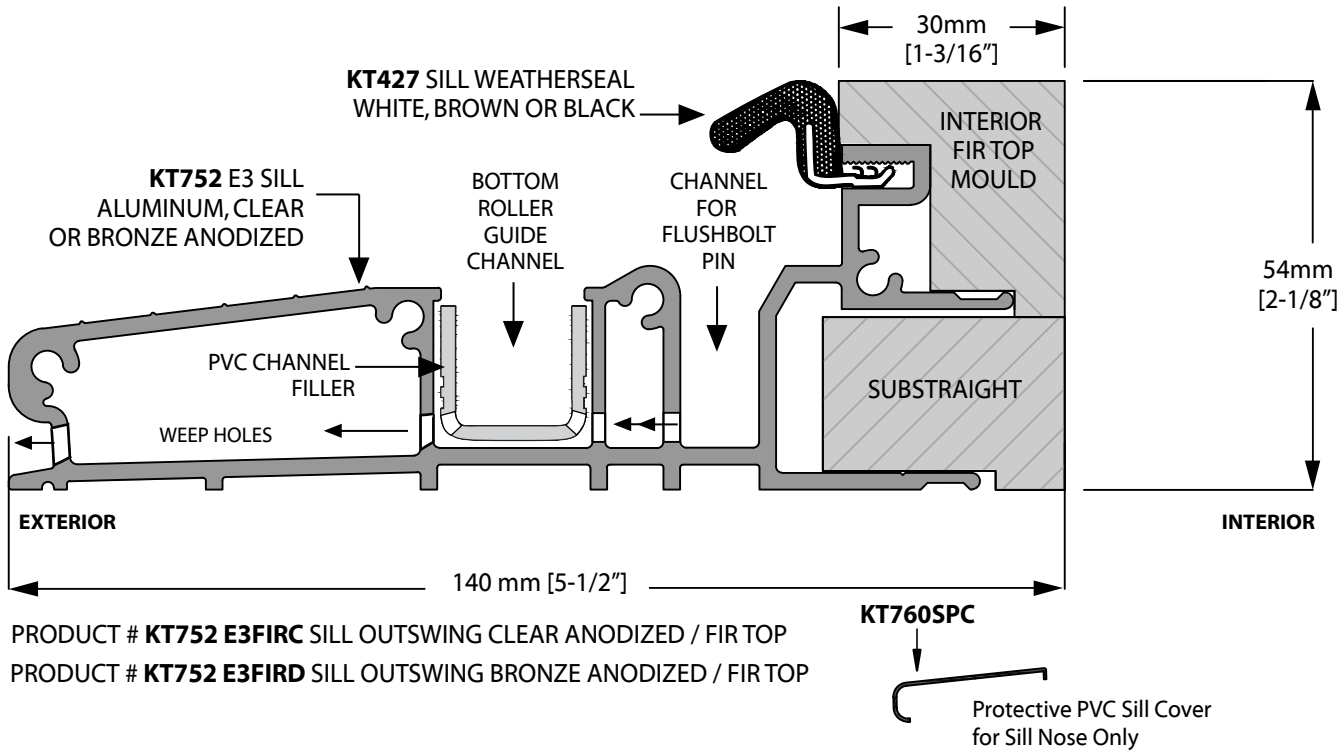
New Generation Top Track with Flushbolt Pin Channel.



FULL SCALE EXCEPT AS NOTED

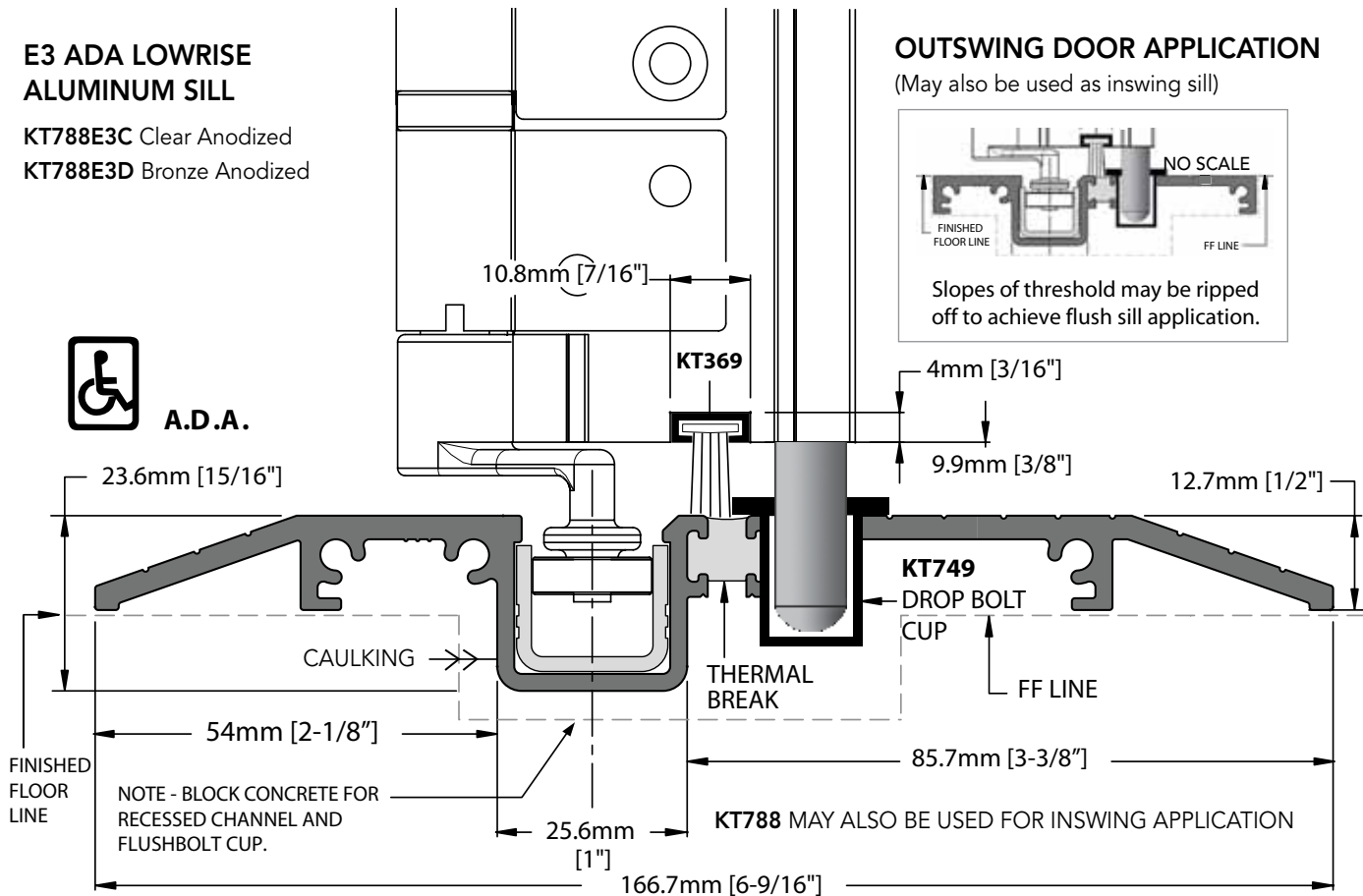
# KT752 Series E3™ (5-1/2") Outswing Sill System

Only For 1-3/4" (44.45mm) Door Thickness & 4-9/16" Wall Thickness



## E3 ADA LOWRISE ALUMINUM SILL

KT788E3C Clear Anodized  
KT788E3D Bronze Anodized



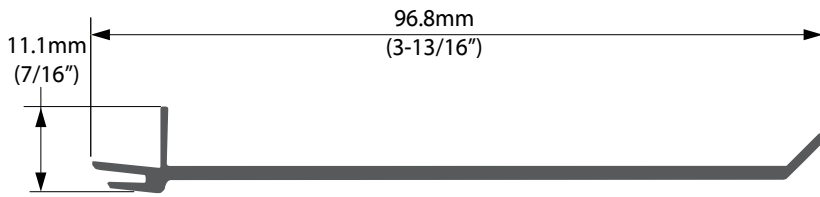
**NOTE:** Door height plus 4-1/4" (107.9mm) = R.O. (from finished floor line to R.O. header) when using Eclipse frame specs.

FULL SCALE EXCEPT AS NOTED

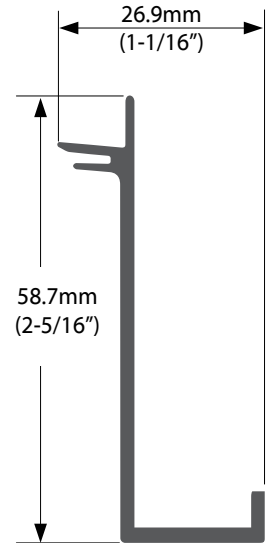
# E3 E-Clad Exterior Cladding (Aluminum Extrusion) For E3 Systems Only

## For Head & Jambs With 2 Styles Aluminum Brick Moulds

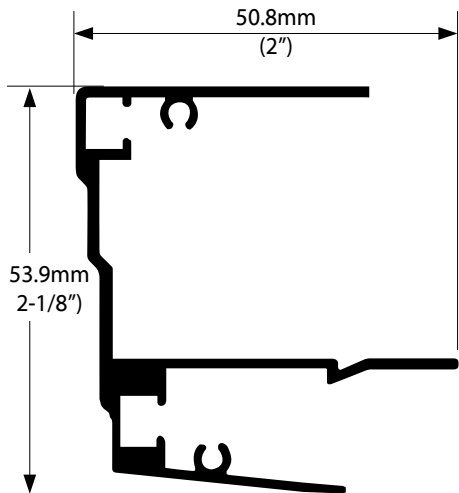
Available In White, Bronze or Black Powder Coat.



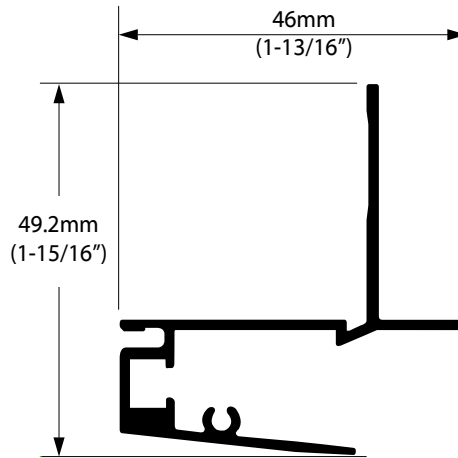
Product # **ECE3JCC** Jamb Cover Clad (Aluminum)



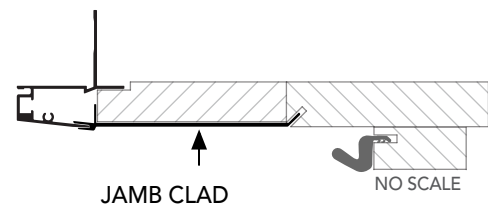
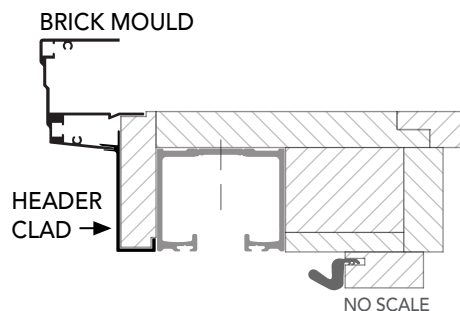
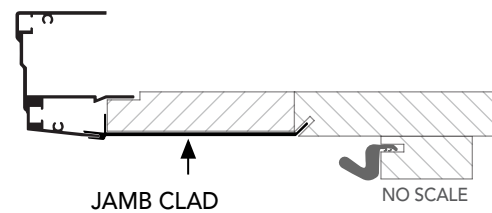
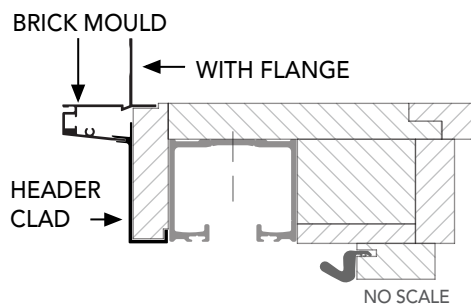
Product # **ECE3HCC** Head Cover Clad (Aluminum)



Product # **ECE3WBM** Wide Brick Mould (Aluminum)



Product # **ECE3NBM** Narrow Brick Mould With Flange (Aluminum)



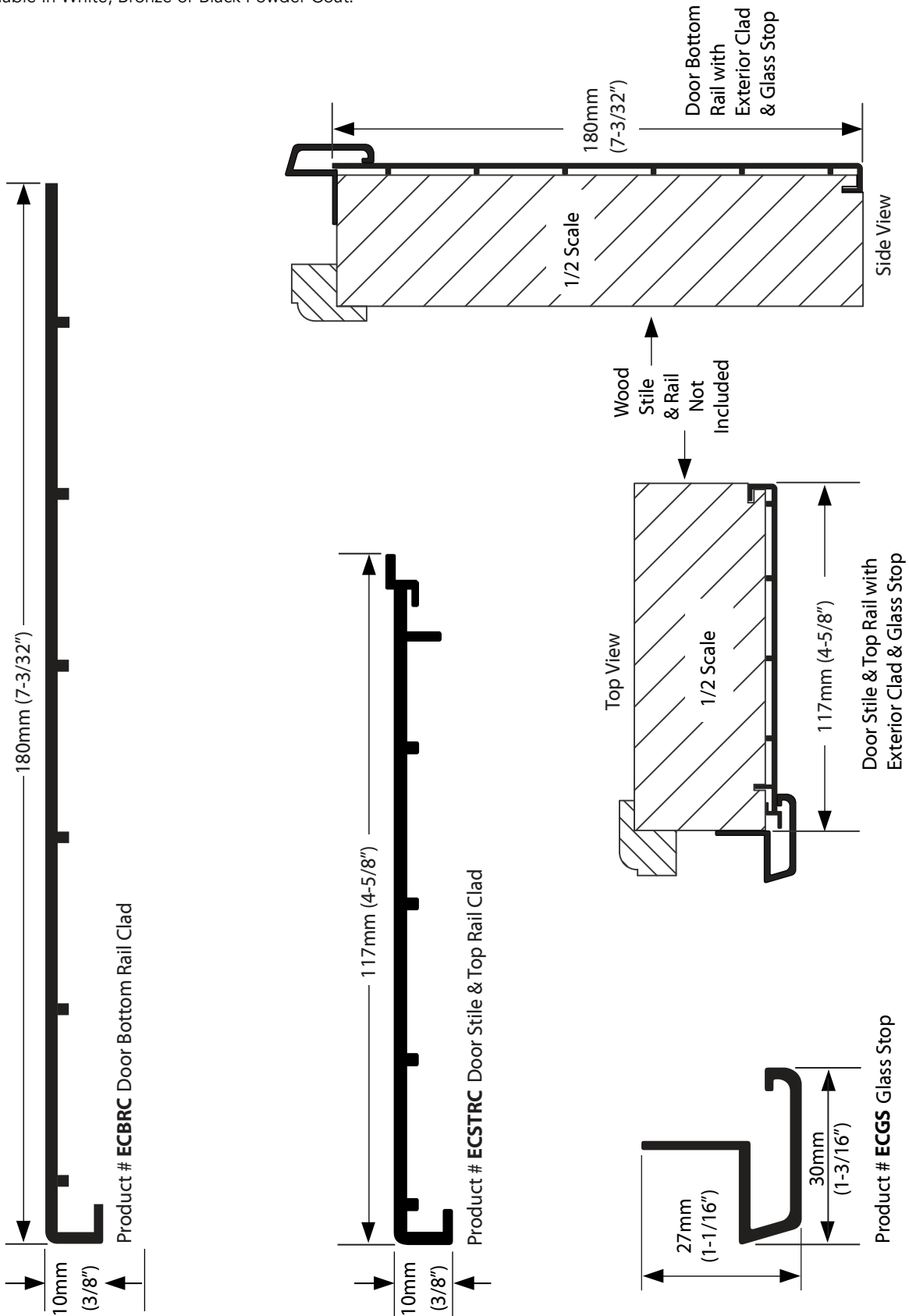
FULL SCALE EXCEPT AS NOTED



# E-Clad Extruded Aluminum

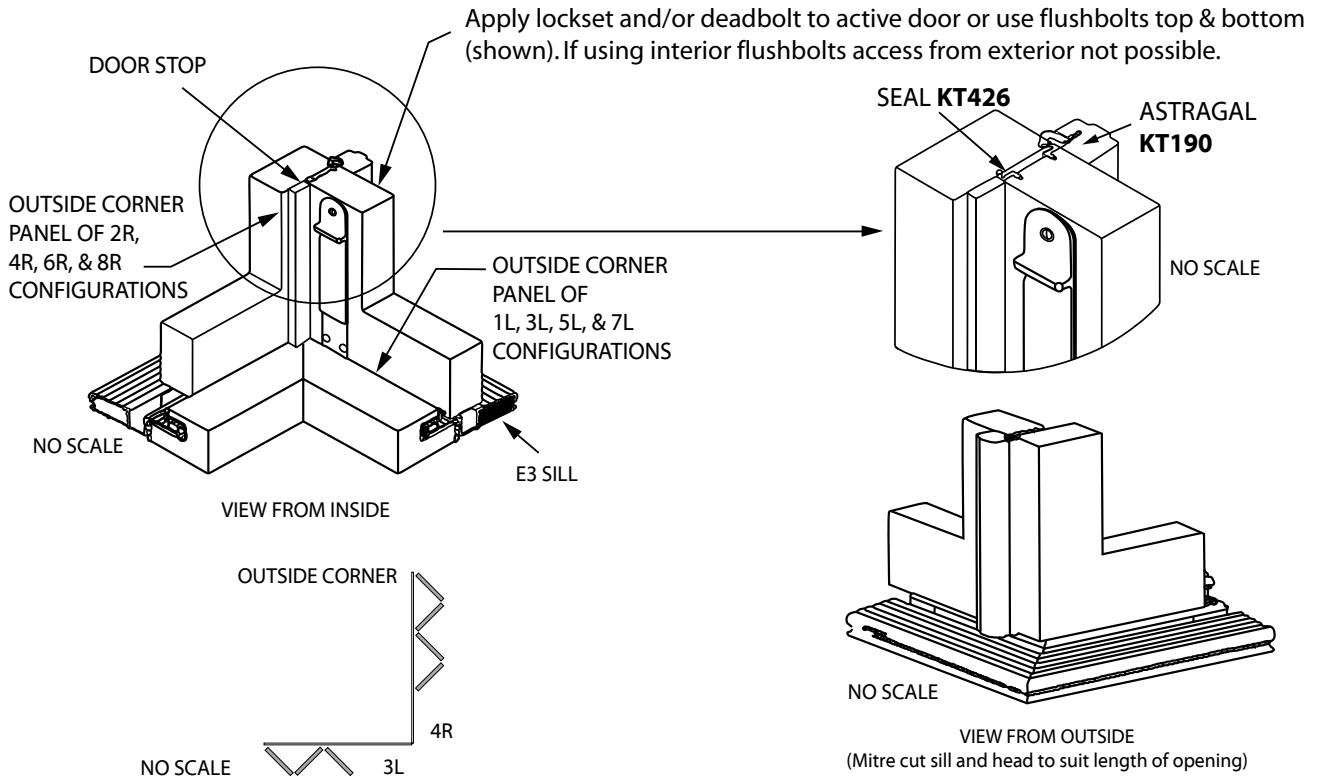
## Clad Extrusions only For Stile & Rail Wood Door

Available In White, Bronze or Black Powder Coat.

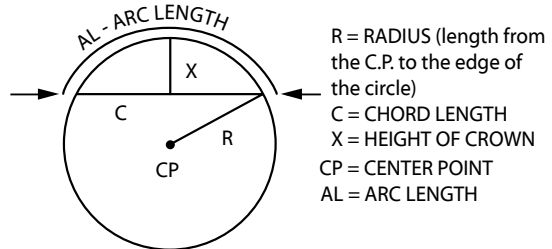
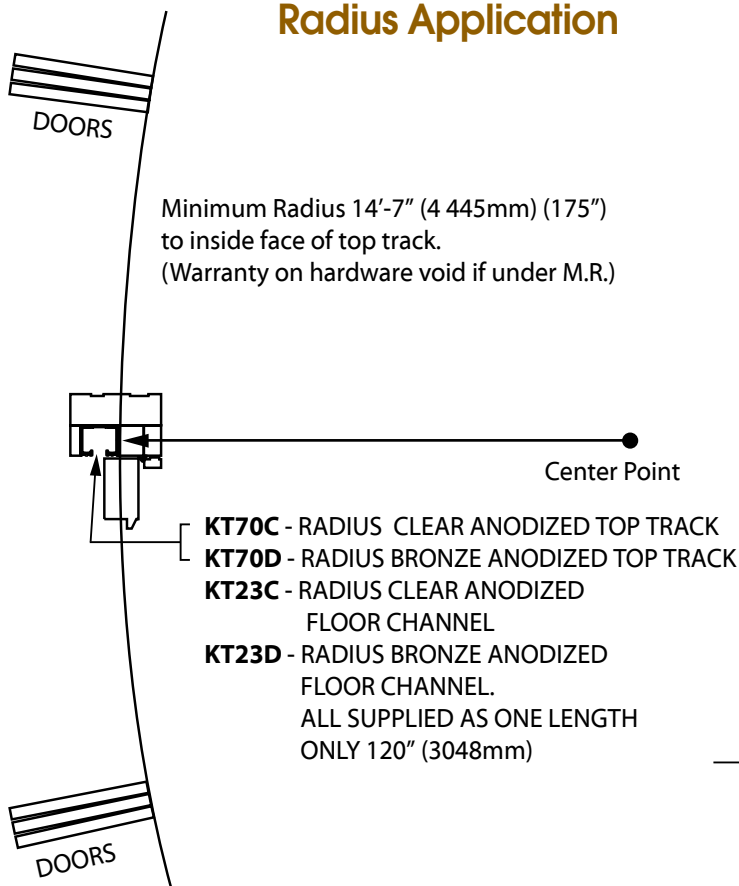


FULL SCALE EXCEPT AS NOTED

# E3™ Corner Unit Application



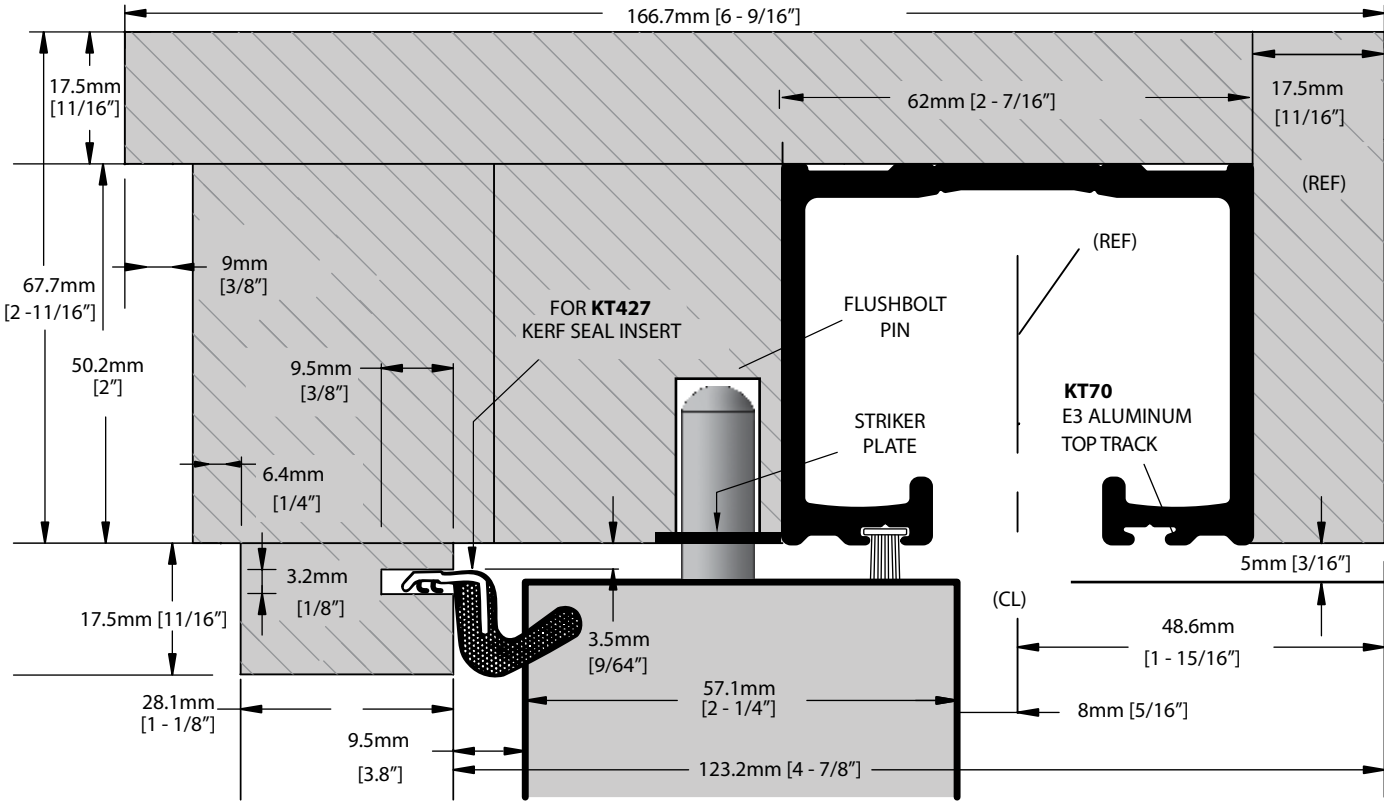
# Radius Application



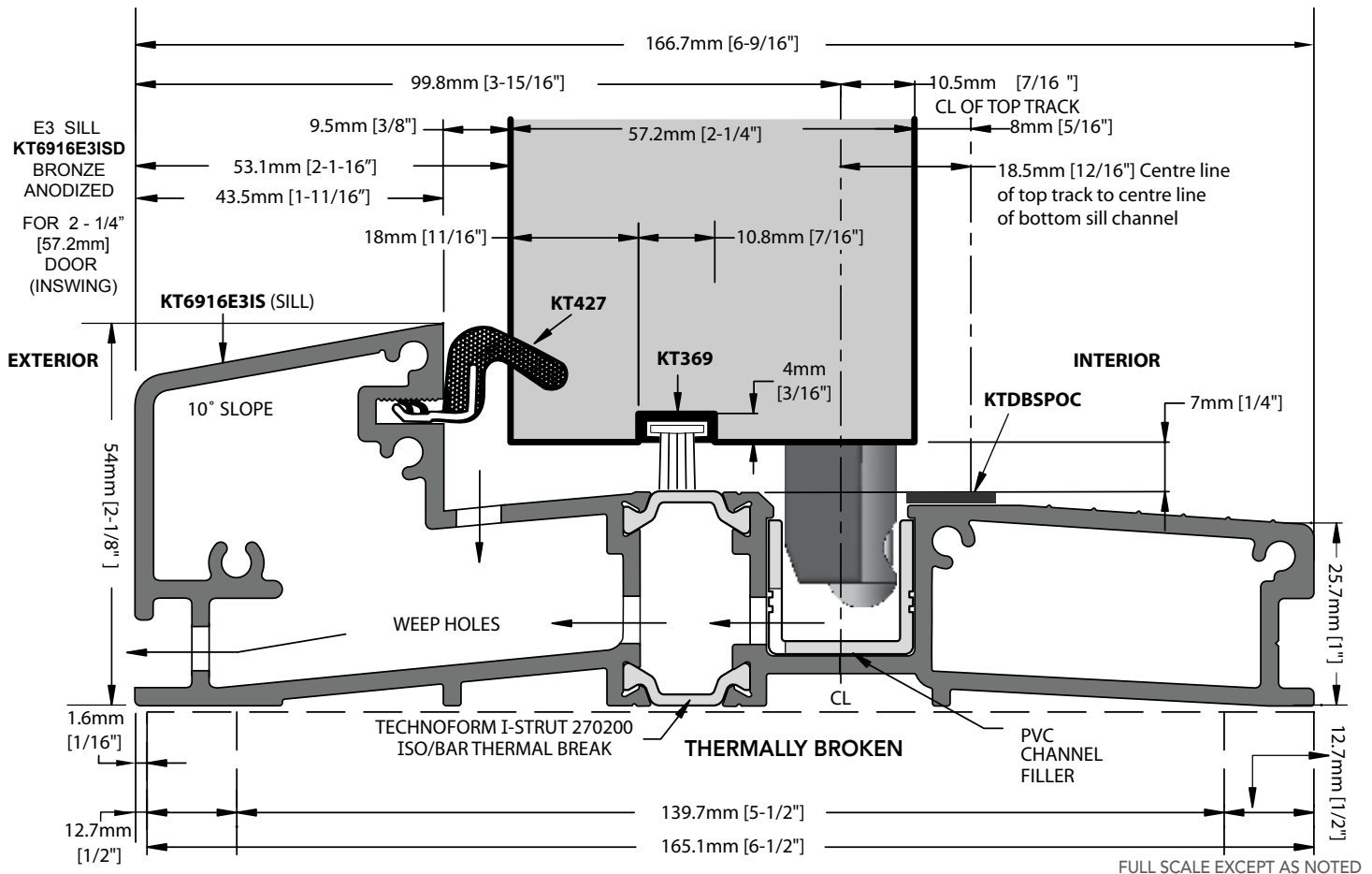
FULL SCALE EXCEPT AS NOTED

# KT6916 E3™ Sill System For 2-1/4" (57.2mm) Door Thickness

Water Return All Aluminum Sill Systems For Inswing Wood Folding Doors



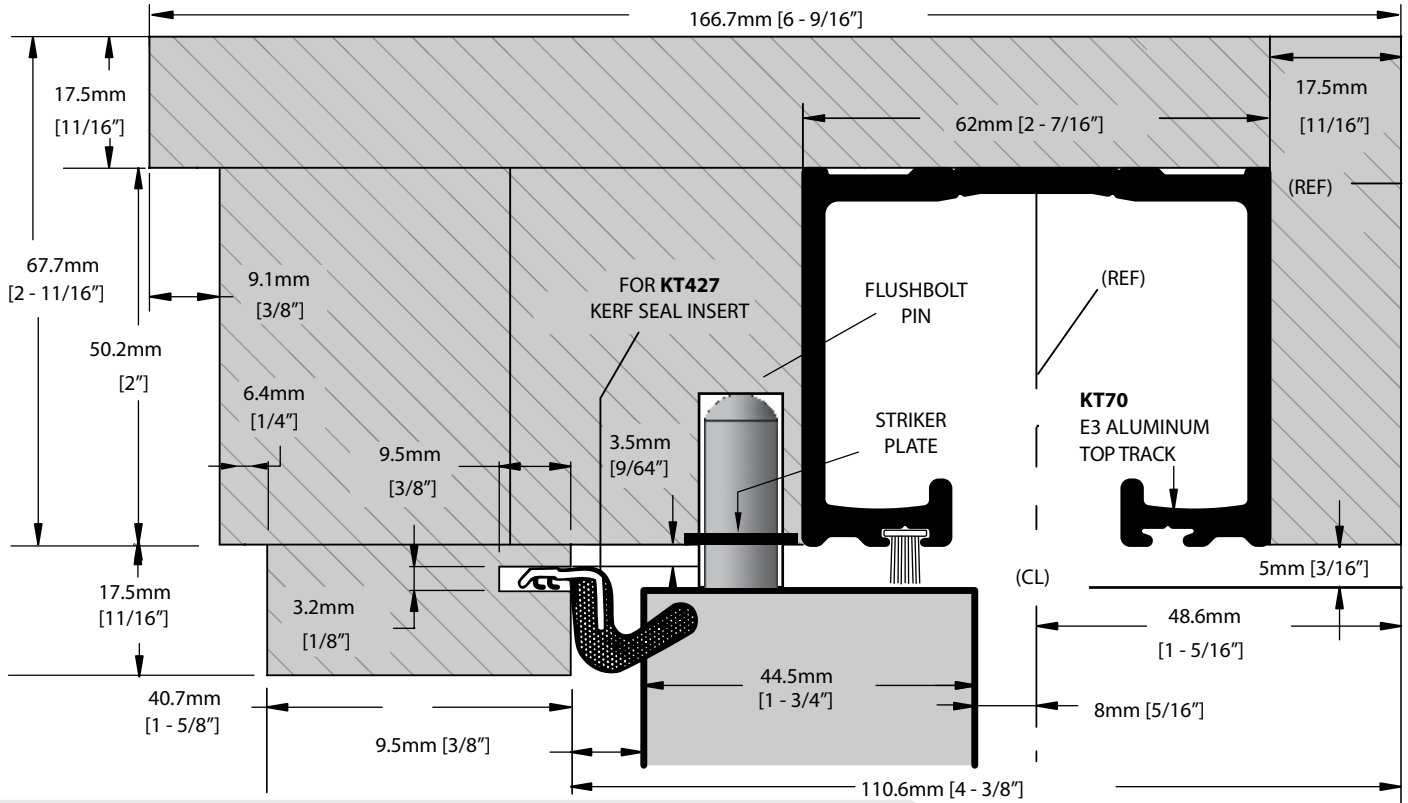
**NOTE: KT73 Top Track (from page 20, 21) will not work on Inswing applications**



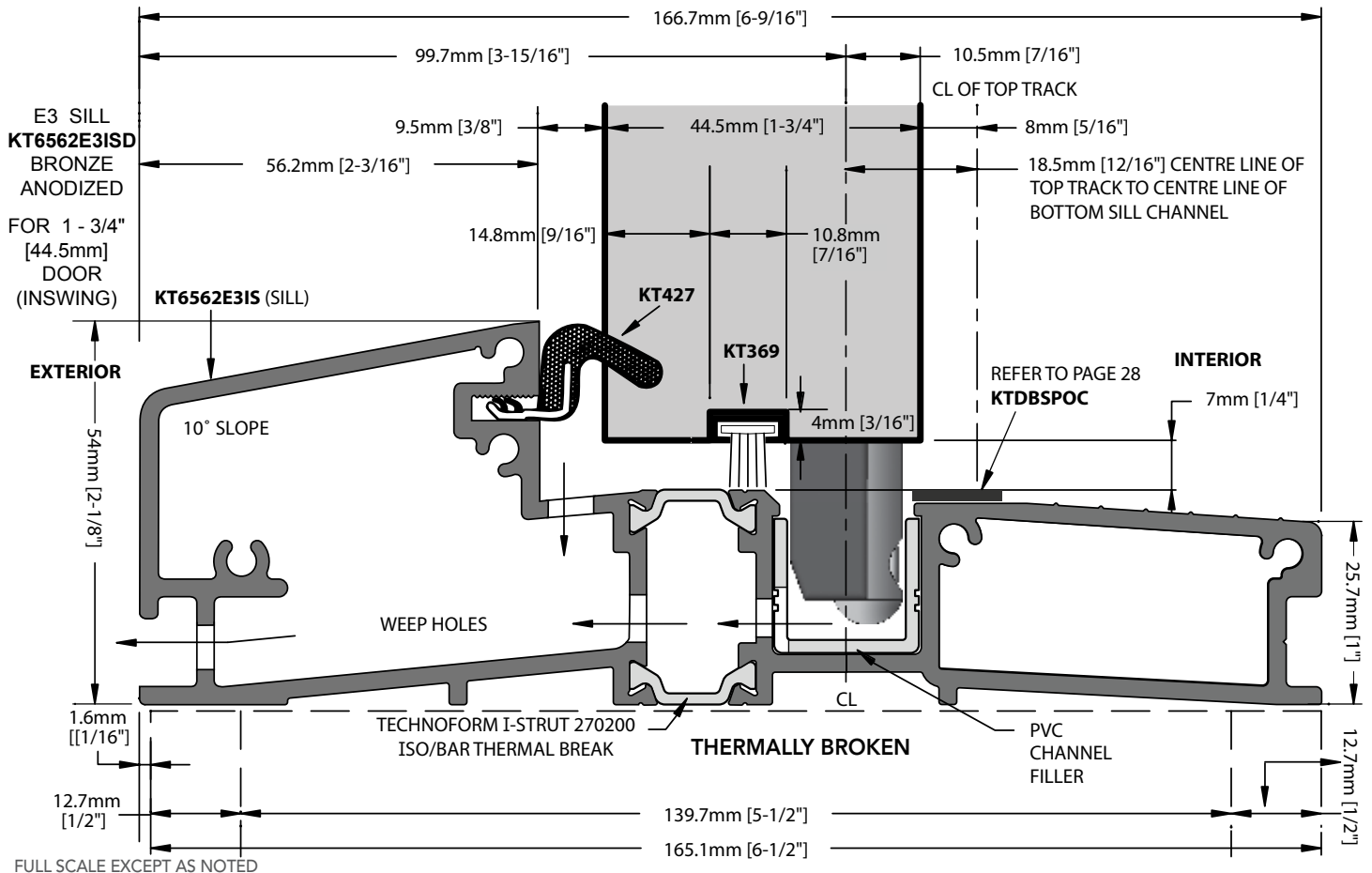
FULL SCALE EXCEPT AS NOTED

# KT6562 E3™ Sill System For 1-3/4" (44.5mm) Door Thickness

Water Return All Aluminum Sill Systems For Inswing Wood Folding Doors



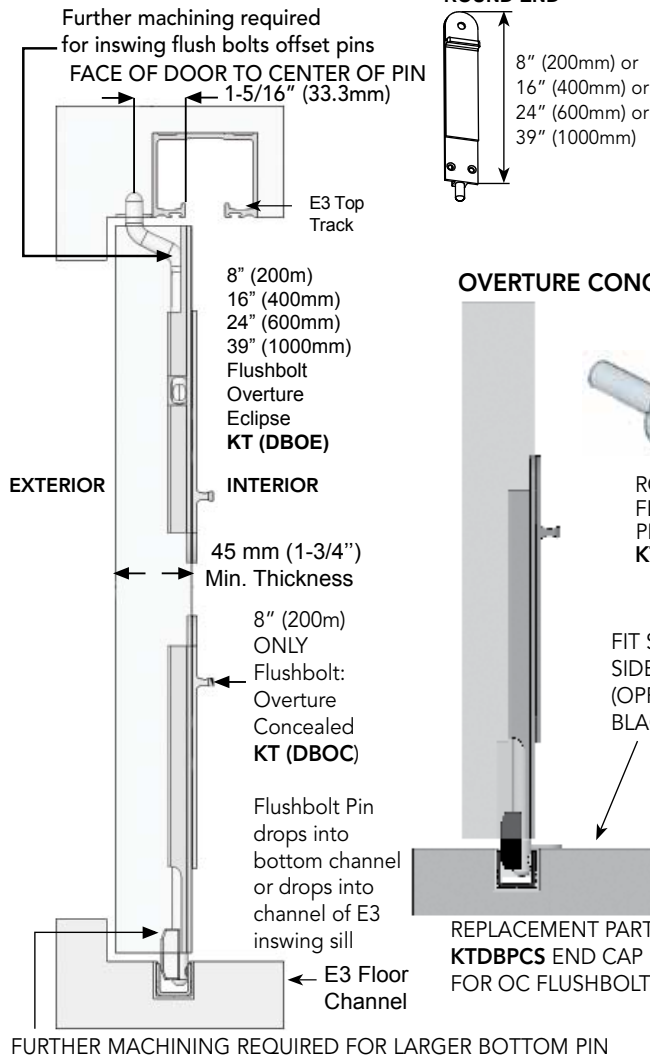
**NOTE: KT73 Top Track (from page 20, 21) will not work on Inswing applications**



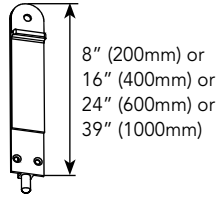
FULL SCALE EXCEPT AS NOTED

# Flushbolts For All Eclipse Inswing Folding Doors

## OVERTURE ECLIPSE STYLE



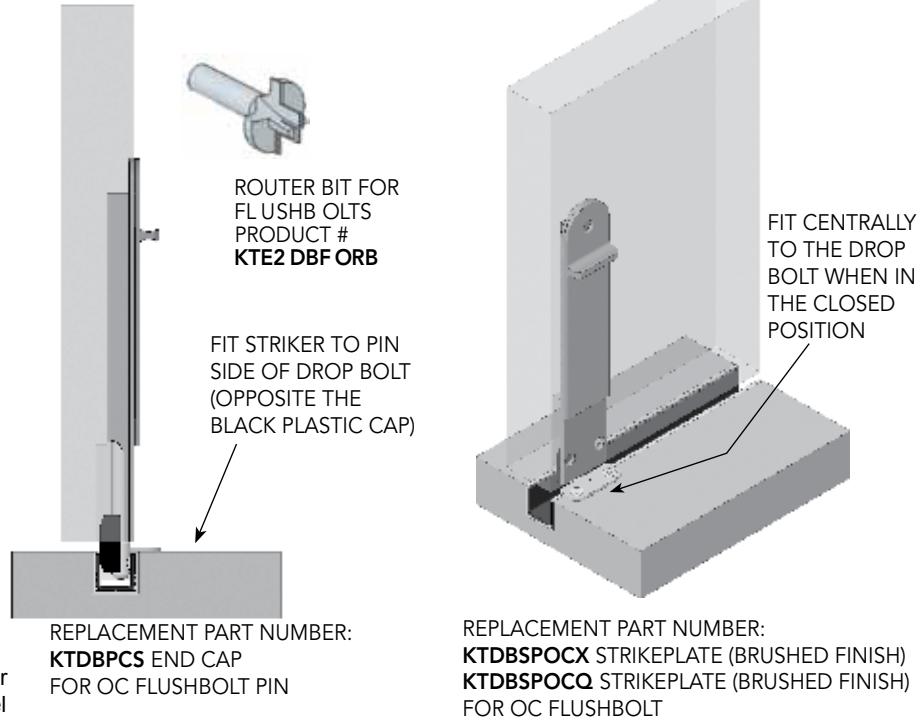
### ROUND END



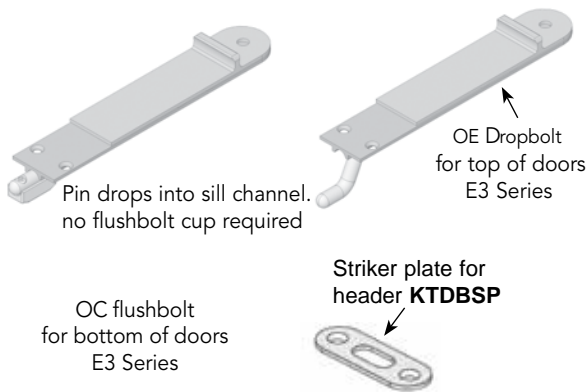
### SPECIFICATIONS

MINIMUM DOOR THICKNESS	1-3/4" (44.45mm)
BOLT LENGTHS	8" (200mm), 16" (400mm), 24" (600mm), 39" (1000mm)
THROW LENGTH	3/4" (20mm)
FINISHES	Brushed finish to match stainless steel hardware, bronze powdercoat to match same finish hardware, PVD brass to match PVD brass hardware.

## OVERTURE CONCEALED STRIKER FIXING



## Part



### Machining for flushbolts (Face plate)

8"(200mm)	1-13/32" x 7-13/16" (36mm x 198mm)
16"(400mm)	1-13/32" x 15-11/16" (36mm x 398mm)
24"(600mm)	1-13/32" x 23-1/2" (36mm x 597mm)
39"(1000mm)	1-13/32" x 39-3/8" (36mm x 999mm)

### Product Code Description

<b>KTDBOC200NRG</b>	8" (200mm) concealed flushbolt, PVD brass
<b>KTDBOC200NRX</b>	8" (200mm) concealed flushbolt, brushed metallic
<b>KTDBOC200NRQ</b>	8" (200mm) concealed flushbolt, bronze powder coat
<b>KTDBOE200NRG</b>	8" (200mm) flushbolt, PVD brass
<b>KTDBOE200NRX</b>	8" (200mm) flushbolt, brushed metallic
<b>KTDBOE200NRQ</b>	8" (200mm) flushbolt, bronze powder coat
<b>KTDBOE400NRG</b>	16" (400mm) flushbolt, PVD brass
<b>KTDBOE400NRX</b>	16" (400mm) flushbolt, brushed metallic
<b>KTDBOE400NRQ</b>	16" (400mm) flushbolt, bronze powder coat
<b>KTDBOE600NRG</b>	24" (600mm) flushbolt, PVD brass
<b>KTDBOE600NRX</b>	24" (600mm) flushbolt, brushed metallic
<b>KTDBOE600NRQ</b>	24" (600mm) flushbolt, bronze powder coat
<b>KTDBOE1000NRG</b>	39" (1000mm) flushbolt, PVD brass
<b>KTDBOE1000NRX</b>	39" (1000mm) flushbolt, brushed metallic
<b>KTDBOE1000NRQ</b>	39" (1000mm) flushbolt, bronze powder coat

**Please note:** Flushbolt housing & slide bar are manufactured from aluminum components

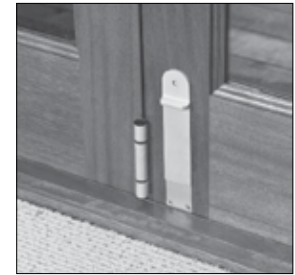
NO SCALE



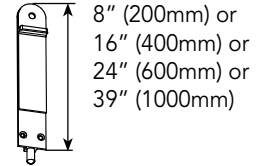
# Flushbolts For All Eclipse Outswing Folding Doors

## SYMPHONY STYLE

MAX WIND LOAD	450kg (990lb) force
MIN DOOR THICKNESS	44.45mm (1- 3/4")
BOLT LENGTHS	200/400/600/1000mm (8"/16"/24"/39")
THROW LENGTH	25mm (1")
FINISHES	PVD brass to match PVD Brass Hardware, Bronze P.C. on Aluminum to match the PVD Bronze Hardware. Brushed Metallic to match Stainless Steel Hardware, White Powder Coat to match White Hardware.

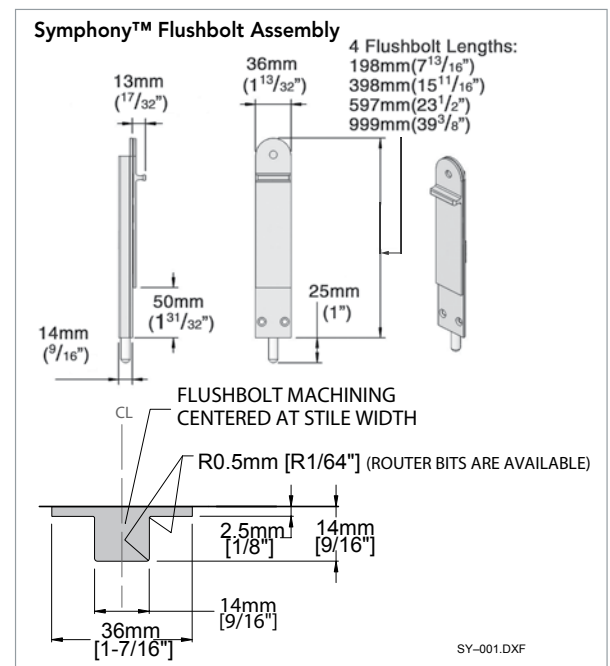
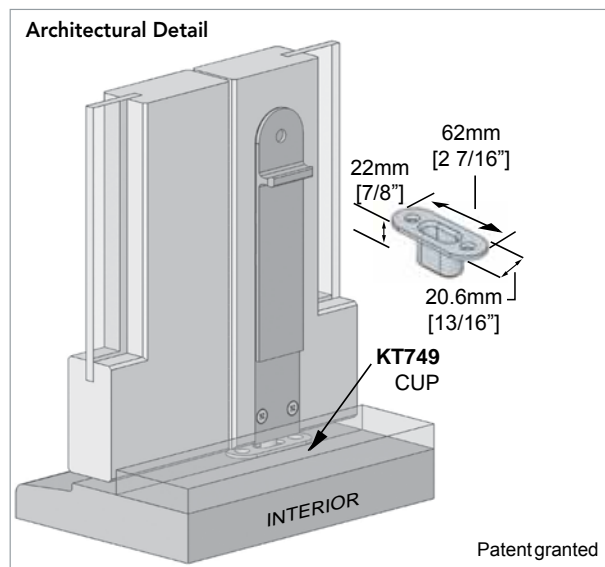


1" (25 mm) THROW LENGTH REGARDLESS OF BOLT LENGTH



### SYMPHONY™

The flush-mounted flushbolts, rounded style and 1" (25mm) throw are designed for use with sliding and folding doors. Symphony™ will resist high winds and is rated to resist a 250kg load in Western Red Cedar and 450kg in Amora. The bolts are easily installed with a dedicated router bit and are available in three finishes.



### Machining for flushbolts (Face plate)

8" (200mm)	1-13/32" x 7-13/16" (36mm x 198mm)
16" (400mm)	1-13/32" x 15-11/16" (36mm x 398mm)
24" (600mm)	1-13/32" x 23-1/2" (36mm x 597mm)
39" (1000mm)	1-13/32" x 39-3/8" (36mm x 999mm)

For Header



Strikerplate

KTDBSPB Brass  
KTDBSPQ Bronze PC  
KTDBSPS Satin Chrome



Flushbolt Cup

KT749BRONZE, Bronze Powder Coat  
KT749DCH Satin Chrome



KTE2DBFORB

Dedicated router bits are available for flushbolts

**Please note:** Flushbolt housing & slide bar are manufactured from aluminum components

NO SCALE

### Select Finish

PVD brass finish on Aluminum

Bronze Powder Coat finish on Aluminum

Brushed Metallic finish on Aluminum to Match Stainless Steel

White Powder Coat finish on Aluminum

### Part Number

KTDBSY200NRG  
KTDBSY400NRG  
KTDBSY600NRG

KTDBSY200NRQ  
KTDBSY400NRQ  
KTDBSY600NRQ  
KTDBSY1000NRQ

KTDBSY200NRX  
KTDBSY400NRX  
KTDBSY600NRX  
KTDBSY1000NRX

KTDBSY200NRW  
KTDBSY400NRW  
KTDBSY600NRW  
KTDBSY1000NRW

### Description / Pc

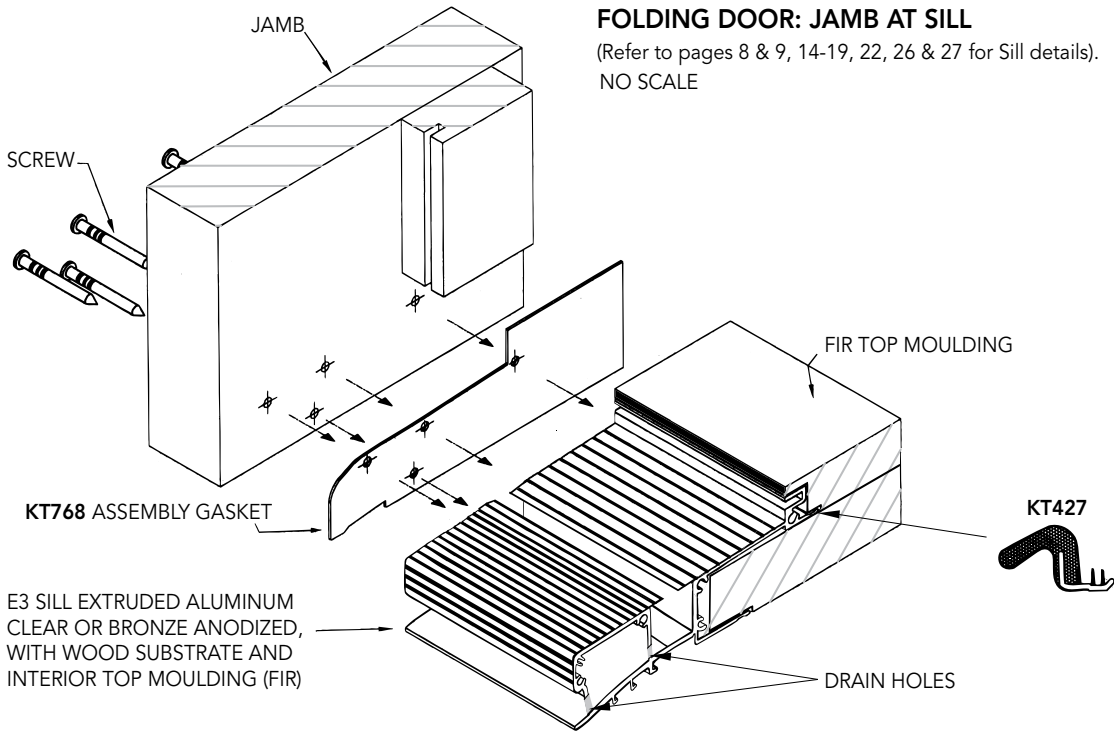
Symphony 8" (200mm) / 1" Throw, Round End  
Symphony 16" (400mm) / 1" Throw, Round End  
Symphony 24" (600mm) / 1" Throw, Round End

Symphony 8" (200mm) / 1" Throw, Round End  
Symphony 16" (400mm) / 1" Throw, Round End  
Symphony 24" (600mm) / 1" Throw, Round End  
Symphony 39" (1000mm) / 1" Throw, Round End

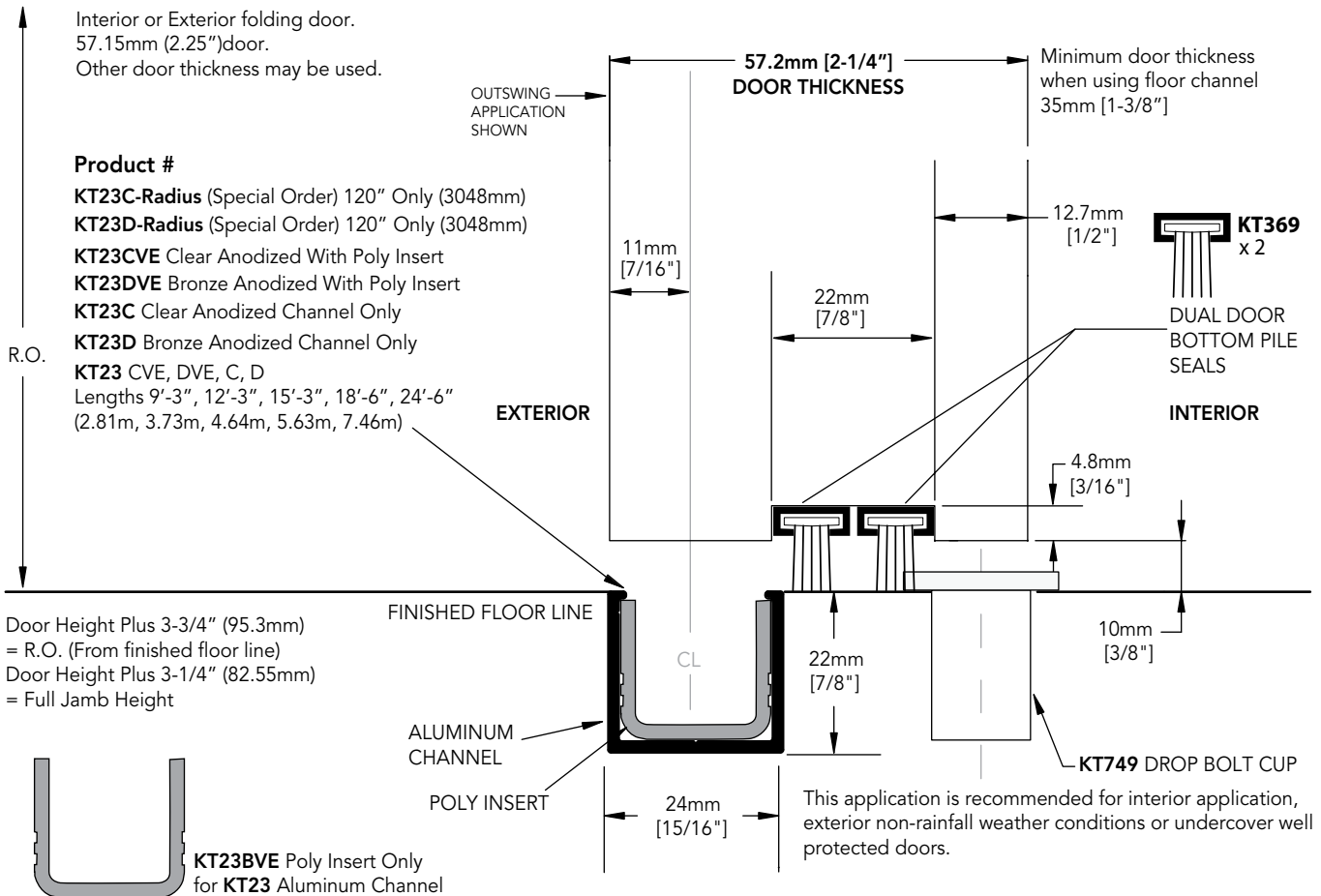
Symphony 8" (200mm) / 1" Throw, Round End  
Symphony 16" (400mm) / 1" Throw, Round End  
Symphony 24" (600mm) / 1" Throw, Round End  
Symphony 39" (1000mm) / 1" Throw, Round End

Symphony 8" (200mm) / 1" Throw, Round End  
Symphony 16" (400mm) / 1" Throw, Round End  
Symphony 24" (600mm) / 1" Throw, Round End  
Symphony 39" (1000mm) / 1" Throw, Round End

# Jamb To Sill Assembly



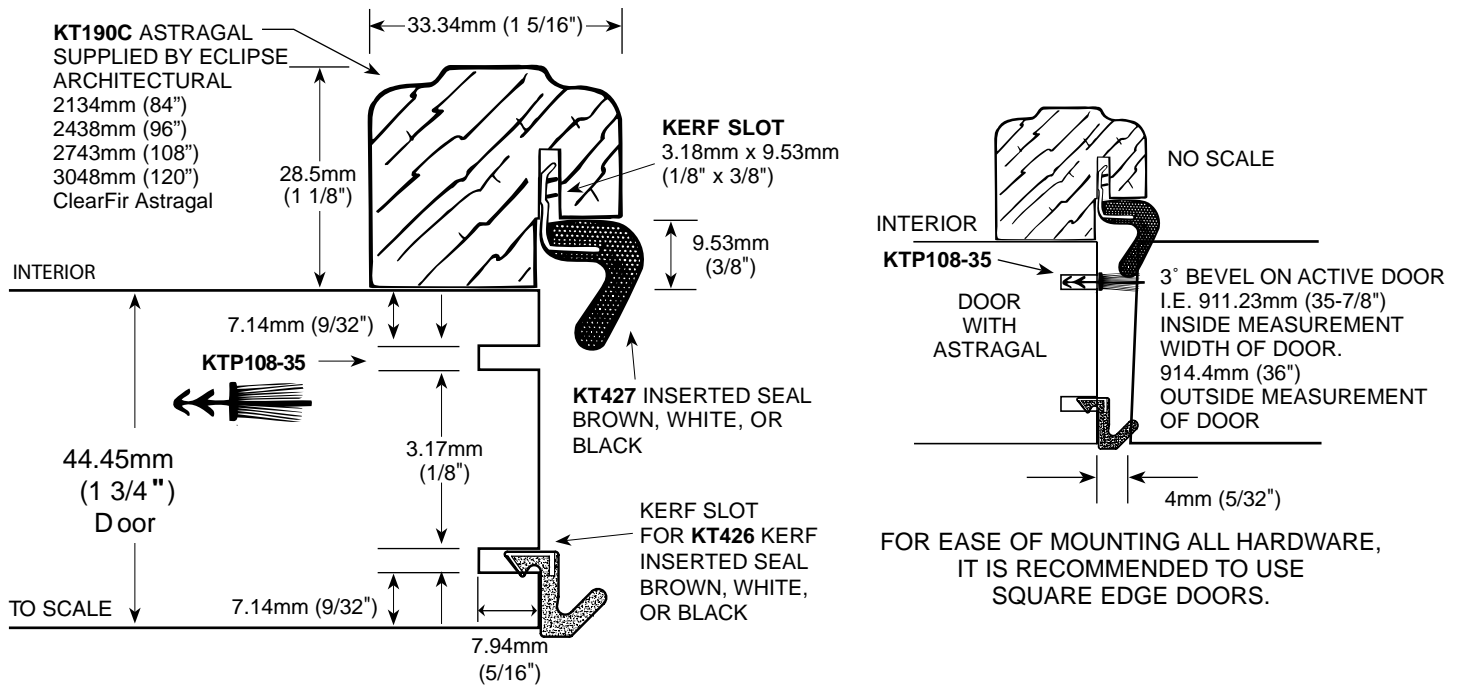
## KT23 Optional Floor Channel Application For Outswing Or Inswing Doors



FULL SCALE EXCEPT AS NOTED

# KT190C Wood Astragal Detail For Eclipse E3 Interior Folding System

## Triple Seal For Superior Sealing Performance

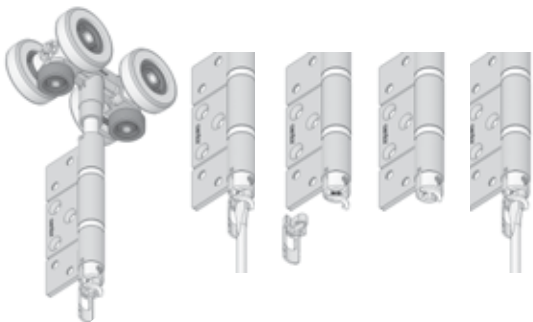


## Surelock Adjustment™

Surelock™ is the trademark for Centor's carrier pin locking system (patents granted). Carrier pins at the top pivots, intermediate and end carriers support the full door weight and it is here that the height of the panels is adjusted. Surelock™ ensures that once the heights are set, they stay set.

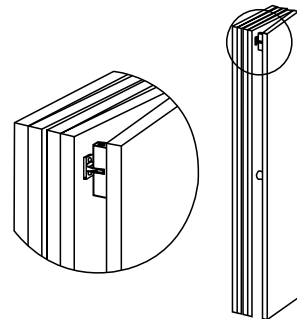
### Using Surelock™ is simple:

1. Surelock™ is supplied with a plastic shipping clip installed to make initial adjustment very easy.
2. Insert a flathead screwdriver into the slot to rotate the pin.
3. When correct adjustment is reached and doors operate well, remove the shipping clip (it's seriously ugly to help you remember).
4. Surelock™ will automatically snap into place when the blade and slot are aligned.
5. To readjust at a later date, simply pull the blade down to disengage it from the slot and rotate the pin.

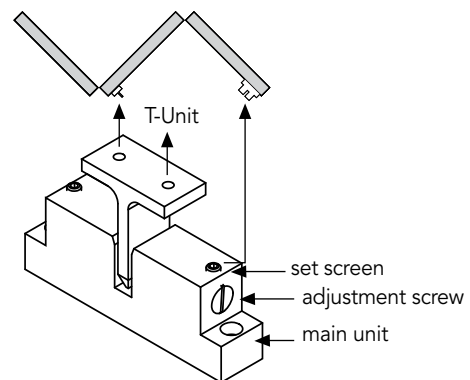


FULL SCALE EXCEPT AS NOTED

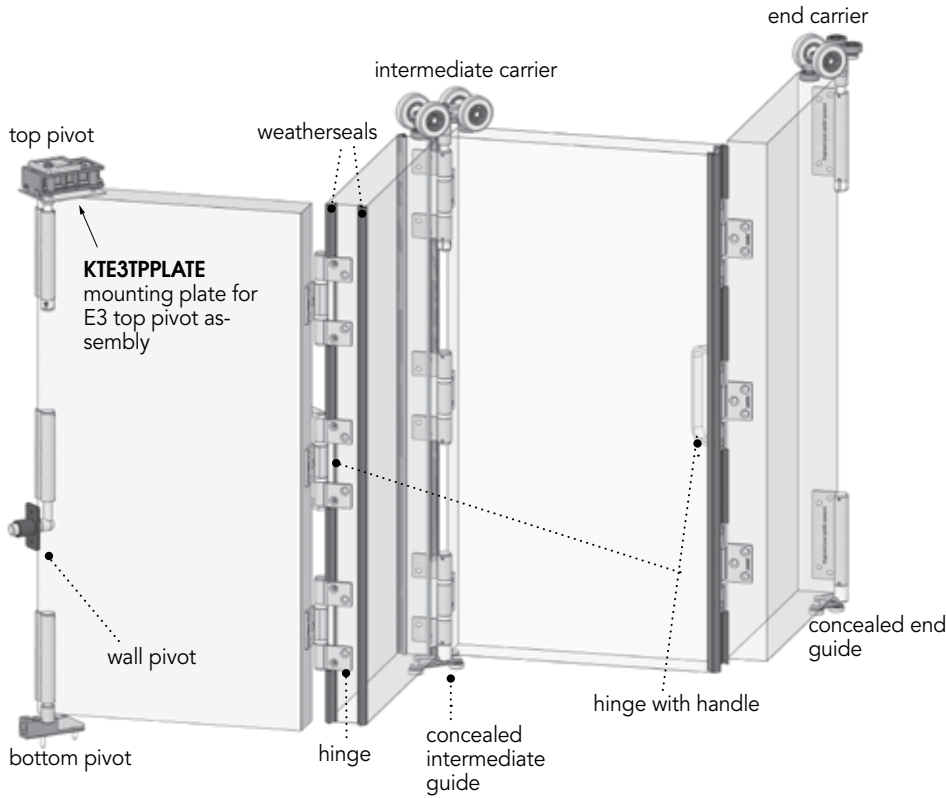
## Latching Door Hold (DH)



- KT740DHC** Clear anodized
- KT740DHD** Bronze anodized
- KT740DHW** White powder coat
- KT740DHBL** Black powder coat



## E3 Hardware Placement (4L) Configuration Outswing Application



## C3 Door Hold Magnets (optional)

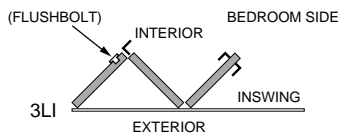


KTDCAS Satin Aluminum Finish  
KTDCAL Black Finish  
KTDCATG Brass Finish

## Interior Applications: How To Determine Swing Of Systems

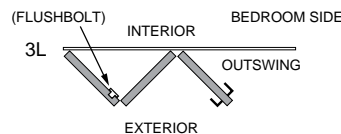
The following is a guideline when determining outswing or inswing applications for the purpose of choosing correct hardware and flushbolts. **NOTE:** The interior/exterior designation (i.e. 3L) is still used for interior application because it just makes it easier to understand.

FOR EXAMPLE:



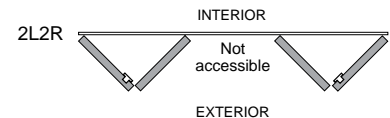
### Hall Or Living Room

The above example (3LI) shows the system swinging into the bedroom and flushbolts on the same side. This would be an inswing system and the bedroom side is considered the interior side. Passage set only recommended for the swing door.



### Another Room

The above example (3L) shows the system swinging into another room and flushbolts on the bedroom side. This would be an outswing system and the bedroom side is considered the interior side. Passage set only recommended for the swing door.

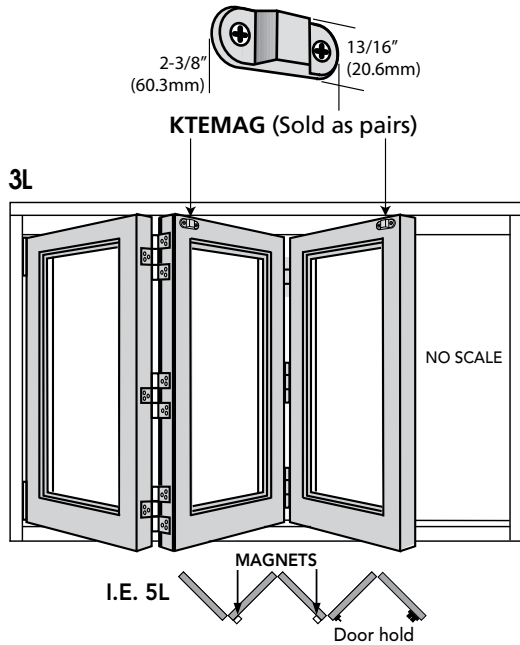


The above example (2L2R) is not recommended for interior applications because of the potential of getting locked in a room without any exit. Other configurations not recommended. 2L, 2R, 4L, 4R, 6L, 6R, 8L, 8R; basically pairs or even number or door panels.

FULL SCALE EXCEPT AS NOTED

## Magnets

KTEMAG "Magnets" For Holding The Door Panels In The Open Position

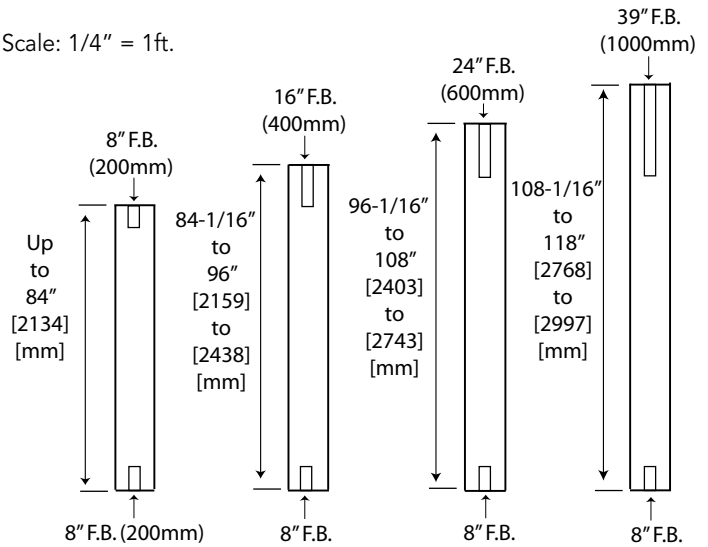


## Flushbolt Placement

Suggested Flushbolt Lengths For Door Heights 80" to 118" (2.032m to 2.99m)

**NOTE:** End user may require longer flushbolts for top of doors for easier reach. When using E2 hardware for folding windows, top flushbolt length must be specified.

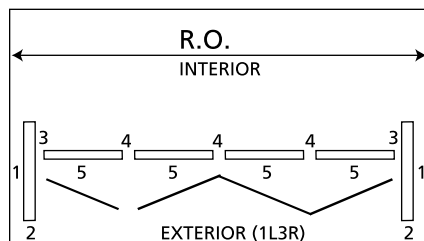
Scale: 1/4" = 1ft.



## Manual Door Calc

Clearances	Rough opening specs for E3
Pivot door to jamb 9/32" (7mm) Swing door to jamb 9/32" (7mm) Panel to panel gap 5/32" (4mm) Bottom of door panel to sill 3/8" (9.5mm) Top of door panel to header 3/16" (5mm) Inside face of door panel to stop 3/8" (9.5 mm)	<ol style="list-style-type: none"> <li>Door Height plus 5" (127mm) = R.O. when using inswing or outswing E3 Sills and Frame specs.</li> <li>Door Height plus 4-1/4" (107.9mm) = R.O. when using KT788E3 ADA Sill (refer to pg 23 to determine finished floor line for R.O. Spec)</li> <li>Door Height plus 3-3/4" (95.25mm) = R.O. when using E3 floor channel. (Refer to pg 30 to determine finished floor line for R.O Spec)</li> </ol>

Manual calculation for determining R.O. (i.e. Configuration 1L3 R, i.e. Door panel size 36" x 84" (914mm x 2134mm))

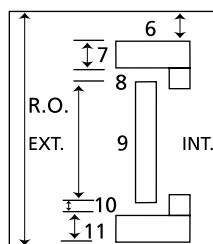


### Width

- Jamb to Stud - typical 1/4" (6mm) shimming x 2 = .5" (12mm)
- Jamb thickness 11/16" (17.5mm) x 2 = 1.375" (34.9mm)
- Panel to Jamb - Clearance 9/32" (7mm) x 2 = .5624" (14mm)
- Panel to Panel - Gap 5/32" (4mm) x 3 = .4686" (12mm)
- Panel width 36" (914") x 4 = 144" (3656mm)

R.O. (width) 146 29/32" or 146.906" or (3731mm) or (3.73m)

For O.S.M. width of unit take R.O. minus 1/2" (12mm) i.e. 146 29/32" (3731mm) - 1/2" (12mm) = 146 13/32" (3718mm).



### Height

- Frame header to R.O. header. Typical 1/2" (12mm) shimming x 1 = .5" (12mm)
- Frame header 2 11/16" (67.7mm) x 1 = 2.6875" (67.7mm)
- Top of door panel to frame header 3/16" (5mm) x 1 = .1875" (5mm)
- Door panel height 84" (2134mm) x 1 = 84" (2134mm)
- Bottom of door panel to top of sill 3/8" (10mm) x 1 = .375" (10mm)
- Sill height 1-3/16" (30.16mm) x 1 = 1.1875 (30.16mm)


R.O. Height 88 15/16" or 88.9375" or (2259 mm) or (2.25m)

For O.S.M. height of unit take R.O. minus 1/2" (12mm). i.e. 88 15/16" (2259mm) minus 1/2" (12mm) = 88 7/16" (2246mm).


NO SCALE

# E3 Parts Selection


**KTE3CPS**  
PIVOT SETS



2 Pc. Set



**KTE3WPS**  
WALL PIVOT SETS




1 Pc.

Jamb Mounted Middle Pivot for doors over 88" (2235mm)

Replacement Part  
KTE3CBPIVOTH Bottom Pivot Housing Only  
KTE3PIVOTG Gasket for under E3 bottom pivot - Apply to bottom before fastening pivot into sill channel

Replacement Parts  
KTE3WPCUPTG Brass  
KTE3WPCUPQ Bronze P.C.  
KTE3WPCUPS Stainless Steel (Cup Only for middle pivot)


**KTE3CLCS**  
LEFT CARRIER SETS



2 Pc. Set

Concealed Bottom Guide


**KTE3CRCS**  
RIGHT CARRIER SETS



2 Pc. Set

Concealed Bottom Guide

**KTE3CICS**  
INTERMEDIATE CARRIER SETS




3 Pc. Set

Concealed Bottom Guide

**Add color designation (letters) to end of product number.**

- OL:** PVD Bronze
- S:** Stainless Steel
- TG:** PVD Brass
- W:** White Powder Coat

**KTE3EH**  
INTERIOR D PULL HANDLE




1 Pc.

(FOR INSWING DOOR APPLICATION)

KTE3ETG (PVD Brass)  
KTE3EHOL (PVD Bronze)  
KTE3EHS (S. Steel)  
KTE3EHW (White P.C)


**KTE3HS**  
HINGE SETS WITH MIDDLE HANDLE FOR OUTSWING DOORS



3 Pc. Set

Flat (OUTSWING DOORS)


**KTE3HNHS**  
HINGE SETS WITH NO MIDDLE HANDLE FOR INSWING DOORS



3 Pc. Set

Flat (INSWING DOORS)


**KTE3HHS**  
HALF OFFSET HINGE SETS WITH MIDDLE HANDLE FOR OUTSWING DOORS



3 Pc. Set

Offset (OUTSWING DOORS)


**KTE3HHNHS**  
HALF OFFSET HINGE SETS WITH NO MIDDLE HANDLE FOR INSWING DOORS



3 Pc. Set

Offset (INSWING DOORS)

INTERMEDIATE CARRIER SETS WITH ADDITIONAL HINGE




\*KTE3HNH Order Separately

SINGLE HINGE ONLY

Concealed Bottom Guide

HINGE SETS WITH HANDLE FOR OUTSWING DOORS

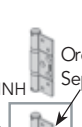


\*KTE3H Order Separately

SINGLE HINGE ONLY

Flat (OUTSWING DOORS)

HINGE SETS NO HANDLE FOR INSWING DOORS




\*KTE3HNH Order Separately

SINGLE HINGE ONLY

Flat (INSWING DOORS)

HALF OFFSET HINGE SETS WITH HANDLE FOR OUTSWING DOORS




\*KTE3HH Order Separately

SINGLE HINGE ONLY

Offset (OUTSWING DOORS)

HALF OFFSET HINGE SETS NO HANDLE FOR INSWING DOORS



\*KTE3HHNH Order Separately

SINGLE HINGE ONLY

Offset (INSWING DOORS)



# E3 Parts Selection

## Pivot Set

2 PIECE SET



- KTE3CPSTG PVD Brass
- KTE3CPSOL PVD Bronze
- KTE3CPSS Stainless Steel
- KTE3CPSW White P.C.

## Wall Pivot Set

1 PIECE

Use with above pivot set on doors over 8ft (2438mm) in height

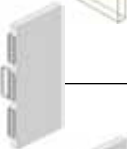


- KTE3WPSTG PVD Brass
- KTE3WPSOL PVD Bronze
- KTE3WPSS Stainless Steel
- KTE3WPSW White P.C.

## Half Offset Hinge Set

3 PIECE SET

Middle hinge with handle (outswing doors)



- KTE3HHSTG PVD Brass
- KTE3HHSOL PVD Bronze
- KTE3HHSS Stainless Steel
- KTE3HHSW White P.C.

## Hinge Set (Flat)

3 PIECE SET

Middle hinge with handle (outswing doors)



- KTE3HSTG PVD Brass
- KTE3HSOL PVD Bronze
- KTE3HSS Stainless Steel
- KTE3HSW White P.C.

## Intermediate Carrier Set

3 PIECE SET



- KTE3CICSTG PVD Brass
- KTE3CICSOL PVD Bronze
- KTE3CICSS Stainless Steel
- KTE3CICSW White P.C.

## Right Carrier Set

2 PIECE SET



- KTE3CRCSTG PVD Brass
- KTE3CRCSOL PVD Bronze
- KTE3CRCSS Stainless Steel
- KTE3CRCSW White P.C.

## Left Carrier Set

2 PIECE SET



- KTE3CLCSTG PVD Brass
- KTE3CLCSOL PVD Bronze
- KTE3CLCSS Stainless Steel
- KTE3CLCSW White P.C.

## Single Hinge Half Offset

1 PIECE

No handle (inswing doors). use as 4th & 5th hinge for doors over 8ft (2438mm) in height.



- KTE3HHNHTG PVD Brass
- KTE3HHNHOL PVD Bronze
- KTE3HHNHSS Stainless Steel
- KTE3HHNHWS White P.C.

## Single Hinge (Flat)

1 PIECE

No handle (inswing doors). Use as 4th & 5th hinge for doors over 8ft (2438mm) in height.



- KTE3HNHTG PVD Brass
- KTE3HNHOL PVD Bronze
- KTE3HNHSS Stainless Steel
- KTE3HNHWS White P.C.

## Half Offset Hinge Set

3 PIECE SET

No middle handle. For inswing door application



- KTE3HHNHSTG PVD Brass
- KTE3HHNHHSOL PVD Bronze
- KTE3HHNHSSS Stainless Steel
- KTE3HHNHSSW White P.C.

## Hinge Set (Flat)

3 PIECE SET

No middle handle. For inswing door application



- KTE3HNHSTG PVD Brass
- KTE3HNHSOL PVD Bronze
- KTE3HNHSSS Stainless Steel
- KTE3HNHSSW White P.C.

## Suggested number of hinges for heights of 80" to 118" (2032mm to 2997mm)

### Intermediate carrier sets



Up to 96" (2438mm) door height use 1, 3, 5

96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5

108-1/16 to 118" (2745 to 2997mm) use 1, 2, 3, 4, 5

### hinge set or half offset hinge set



Up to 96" (2438mm) door height use 1, 3, 5

96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5

108-1/16 to 118" (2745 to 2997mm) use 1, 2, 3, 4, 5

### pivot set top & bottom



Up to 87-15/16" (2234mm) use 1 & 5

88" to 96" (2235 to 2438mm) door height use 1, 3, 5

96-1/16" to 108" (2440 to 2743mm) use 1, 2, 3, 5

108-1/16 to 118" (2745 to 2997mm) use 1, 2, 3, 4, 5

## Single Hinge Half Offset

1 PIECE

With handle (outswing doors). use as 4th & 5th hinge for doors over 8ft (2438mm) in height.



- KTE3HHTG PVD Brass
- KTE3HHHOL PVD Bronze
- KTE3HHSS Stainless Steel
- KTE3HHHW White P.C.

## Single Hinge (Flat)

1 PIECE

With handle (outswing doors). Use as 4th & 5th hinge for doors over 8ft (2438mm) in height.



- KTE3HTG PVD Brass
- KTE3HOL PVD Bronze
- KTE3HSS Stainless Steel
- KTE3HWS White P.C.

- E3 half offset hinge set, PVD Brass
- E3 half offset hinge set, PVD Bronze
- E3 half offset hinge set, Brushed Stainless Steel
- E3 half offset hinge set, White Powder Coat

- E3 hinge set (flat), PVD Brass
- E3 hinge set (flat), PVD Bronze
- E3 hinge set (flat), Brushed Stainless Steel
- E3 hinge set (flat), White Powder Coat

Replacement Screws for all hinges: **KTE3SCREWB** (Brass), **KTE3SCREWOL** (PVD Bronze), **KTSCREWSS** (Stainless Steel)





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