



WINDLOCH

DS 75 catalog



Order Manual

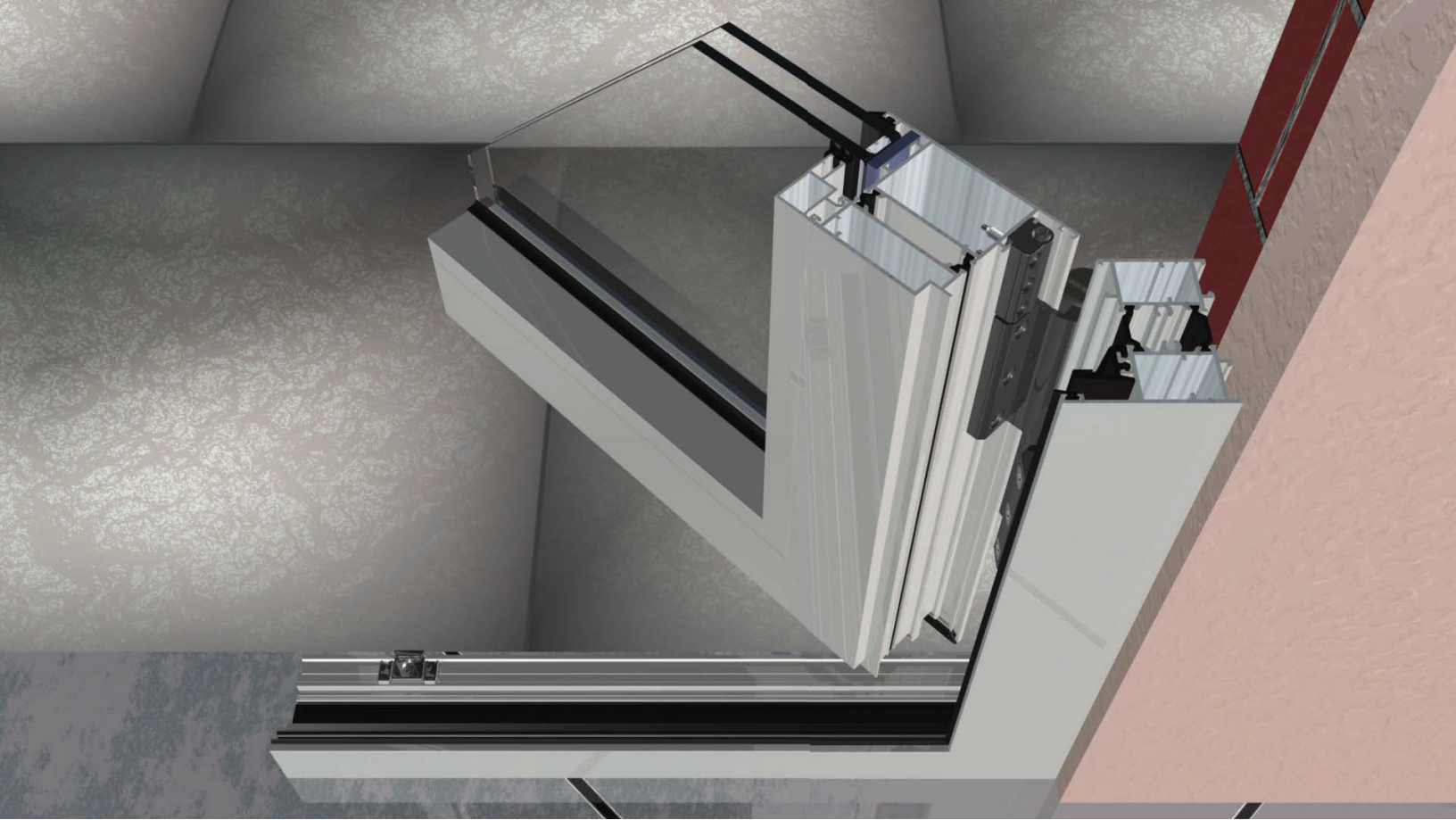


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Test Results



Window, Door
and
Curtain Wall Testing

AAMA/WDMA/CSA 101/I.S.2/A440-08

TEST REPORT

Render to:
Windloch Windows

TITLE	SUMMARY OF RESULTS
Product manufacturer:	Windloch Windows
Product type:	Architectural terrace door
Product series/ model:	DS-75
Primary product designator:	Class: AW - PG60 ATW 48"x120" (1219.2mm x 3048mm)
Force entry resistance:	Grade 10
Air infiltration @6.24 PSF :	0.01 < cfm/ft ² (0.05 <L/sm ²)
Water penetration resistance:	25 Psf (1197 Pa)
Test completion date:	04/15/15
Report # 15-009-B	

MT Group	MT Group	MT Group	MT Group	MT Group	MT Group
145 Sherwood Av Farmingdale, NY 11735 (631) 815-1920 Office (631) 815-1901 Fax		403 County Rd, Suite 1 Cliffwood, NJ 07721 (732) 725-6177 Office (732) 725-6180 Fax			Page 1 of 11 Report # 15-009-B DRAFT

SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE :	1:1
VER - DATE:	1 - May/08/15
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H4452.01-113-11-R0
ACOUSTICAL PERFORMANCE TEST REPORT
ASTM E90

Rendered to:

WINDLOCH, LLC

SERIES/MODEL: DS75

TYPE: Door

Summary of Test Results			
Data File No.	Glazing (Nominal Dimensions)	STC	OITC
H4452.01A	1-5/16" (1/4" tempered exterior, 3/4" air space, 5/16" tempered interior)	38	34
H4452.01B2	1-9/16" (1/4" tempered exterior, 3/4" air space, 9/16" laminated interior), Glass temperature 75°F	40	36

Reference should be made to Intertek-ATI Report No. H4452.01-113-11 for complete test specimen description. This page alone is not a complete report. Flanking limit tests and reference specimen tests are available upon request.

TEST REPORT FOR WINDLOCH, LLC

Report No.: L4252.01-116-45 R1

Date: 10/16/20

SECTION 6

SIMULATION RESULTS

U-FACTOR CALCULATIONS (4 Cross Section Product - FIXD, CSSV, PRAW)	
Elevation Description	Door (Vision)
Height:	98.690
Width:	46.000
Area:	31.526

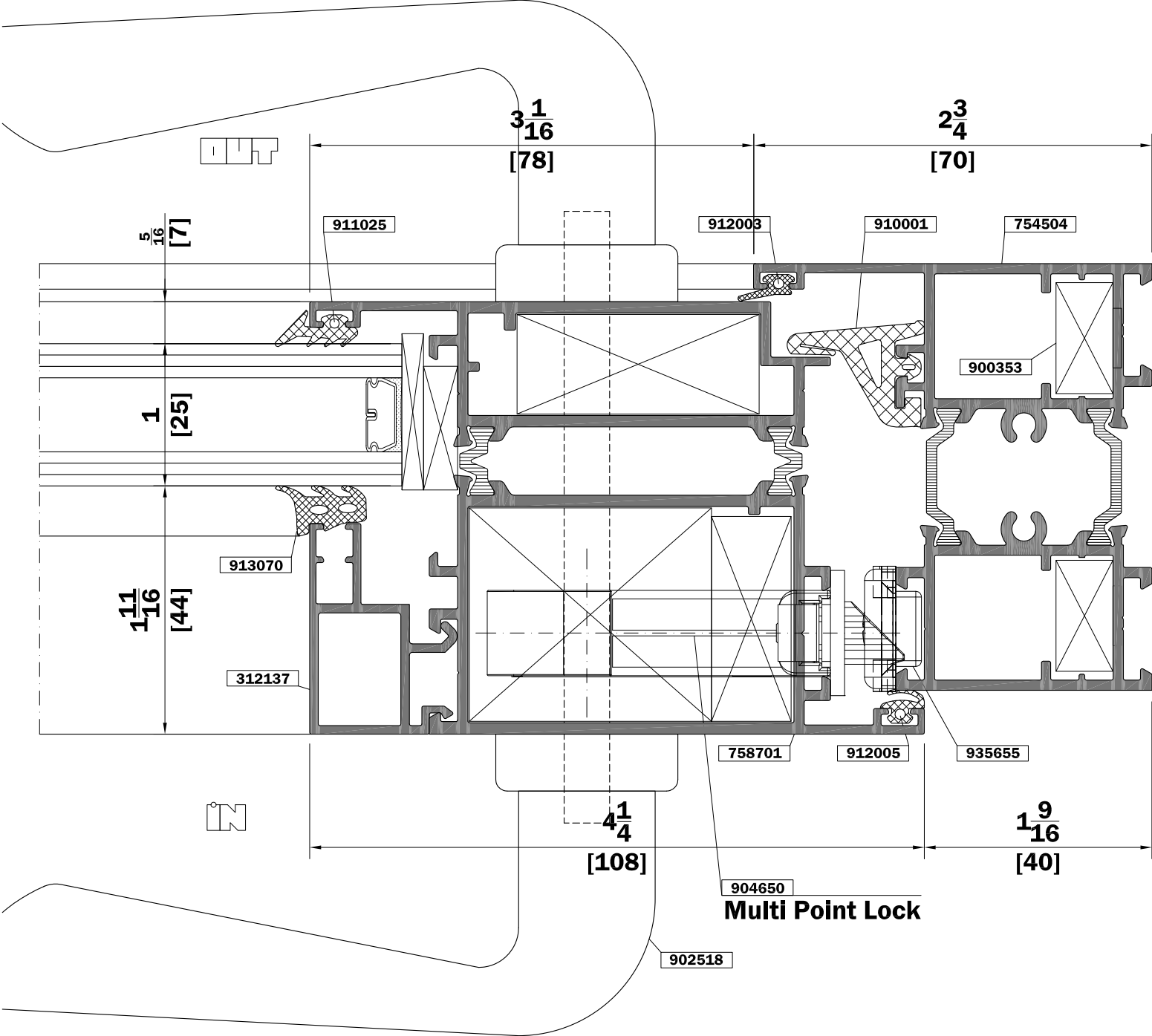
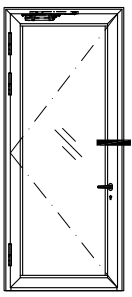
	THERM Values			Calculated Data				
	Cross Section	U-Factor	Height	Width	Area	U*A	SHGC*A	VT*A
Frame	11/400 - Head	0.671	6.852	39.148	1.863	1.250	0.071	0.000
	14/400 - Sill	0.701	1.734	39.148	0.471	0.330	0.019	0.000
	11/400 - Left Jamb	0.654	6.852	94.397	4.492	2.935	0.167	0.000
	11/400 - Right Jamb	0.654	6.852	94.397	4.492	2.935	0.167	0.000
Edge	11/400 - Head	0.318	2.500	29.796	0.517	0.164	0.190	0.348
	14/400 - Sill	0.316	2.500	29.796	0.517	0.164	0.190	0.348
	11/400 - Left Jamb	0.315	2.500	87.604	1.521	0.479	0.558	1.024
	11/400 - Right Jamb	0.315	2.500	87.604	1.521	0.479	0.558	1.024
Glass	COG - GL1	0.247	85.104	27.296	16.132	3.984	6.130	12.099
	SHGC - GL1	0.380						
	VT - GL1	0.750						

Sums:	31.526	12.722	8.049	14.844
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Total Product Calculations	
U-Factor:	0.404
SHGC:	0.255
VT:	0.471

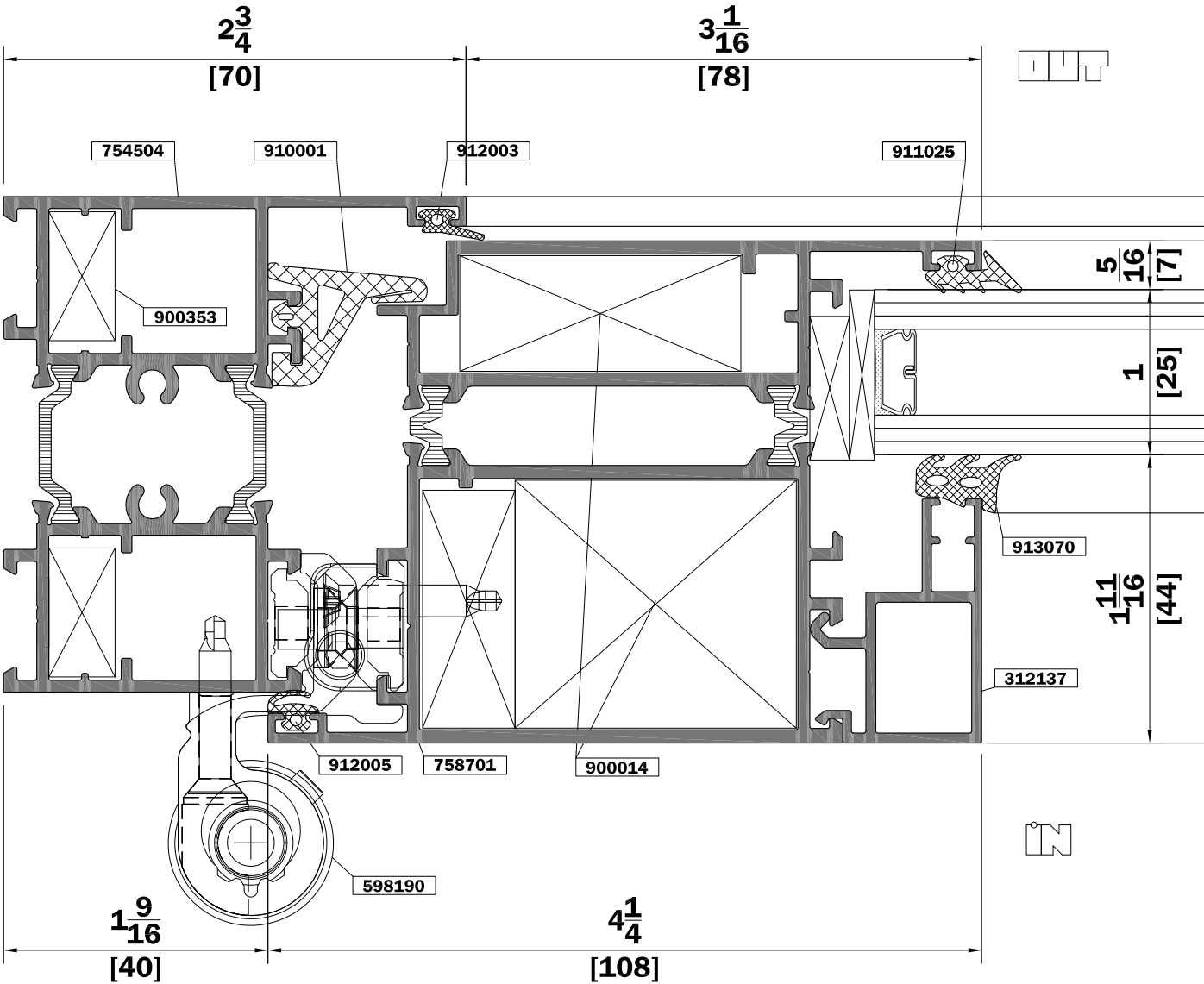
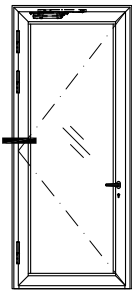
Details In Swing

In-Swing Door - 1" Insulated glass
 Jamb detail with Lever Handle



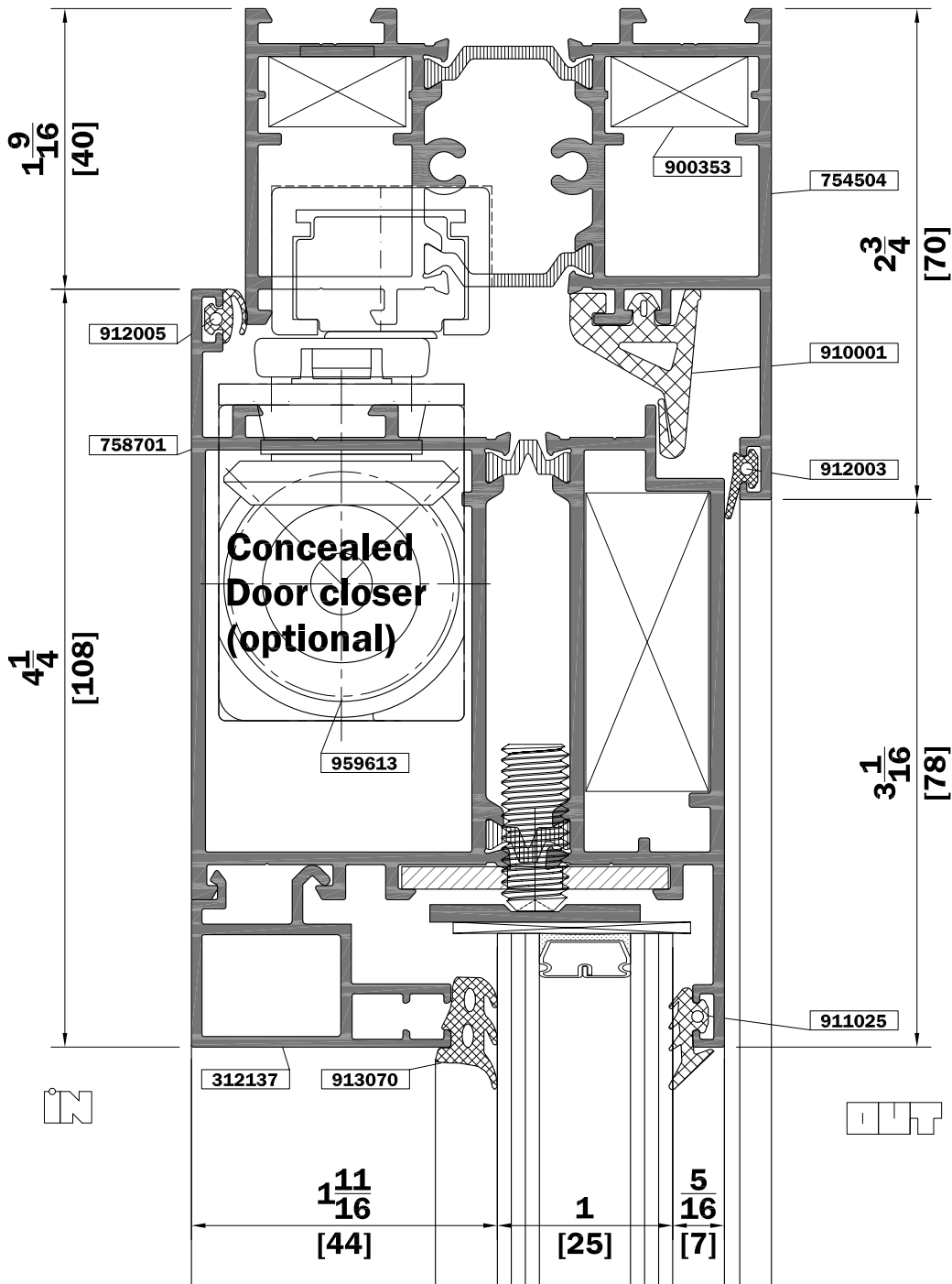
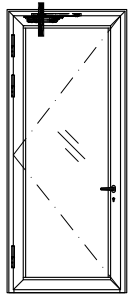
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In-Swing Door - 1" Insulated glass
 Jamb detail with Barrel hinge



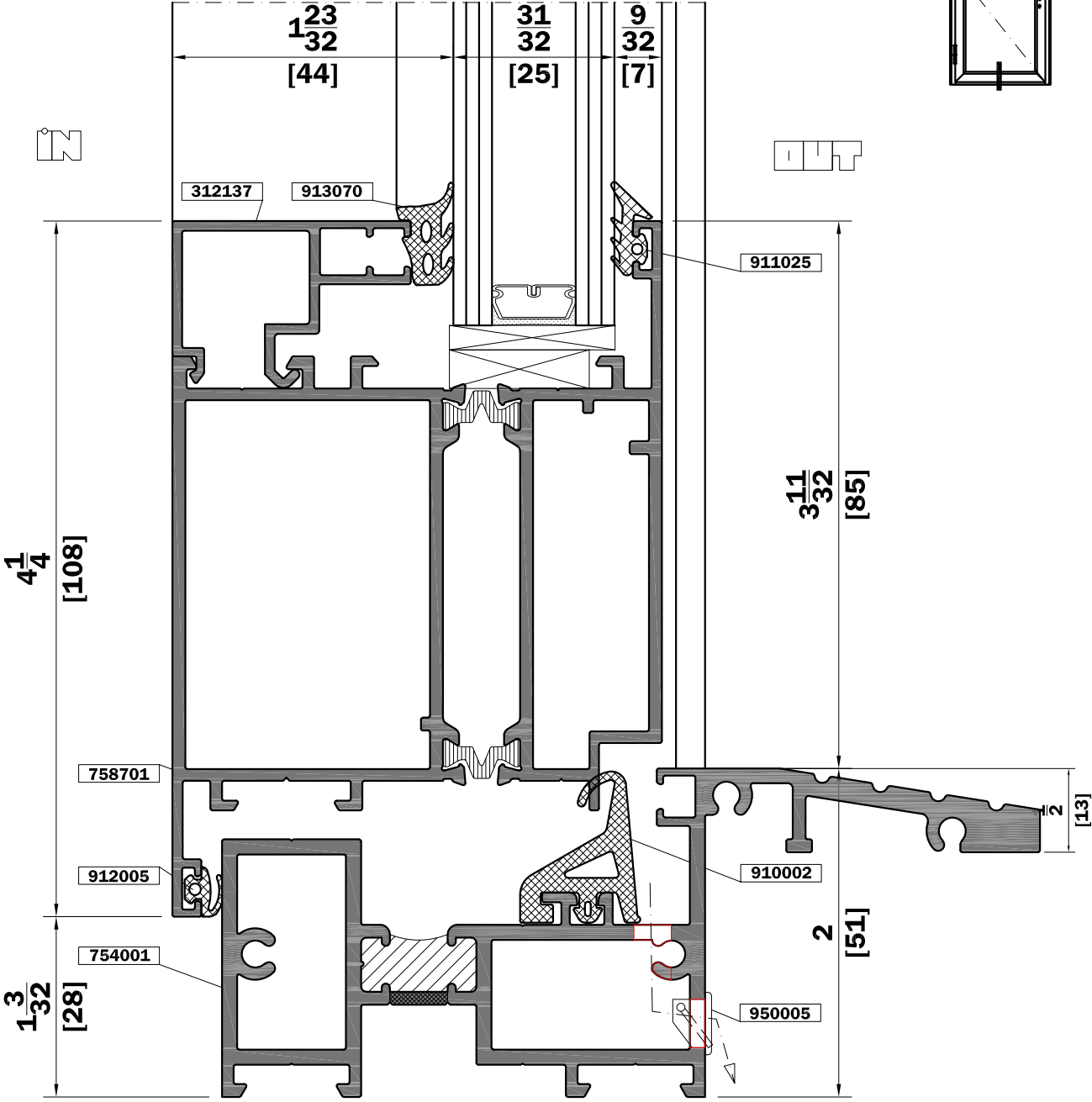
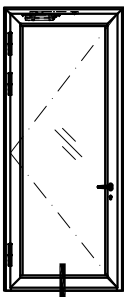
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In-Swing Door - 1" Insulated glass
 Head detail with Concealed door closer



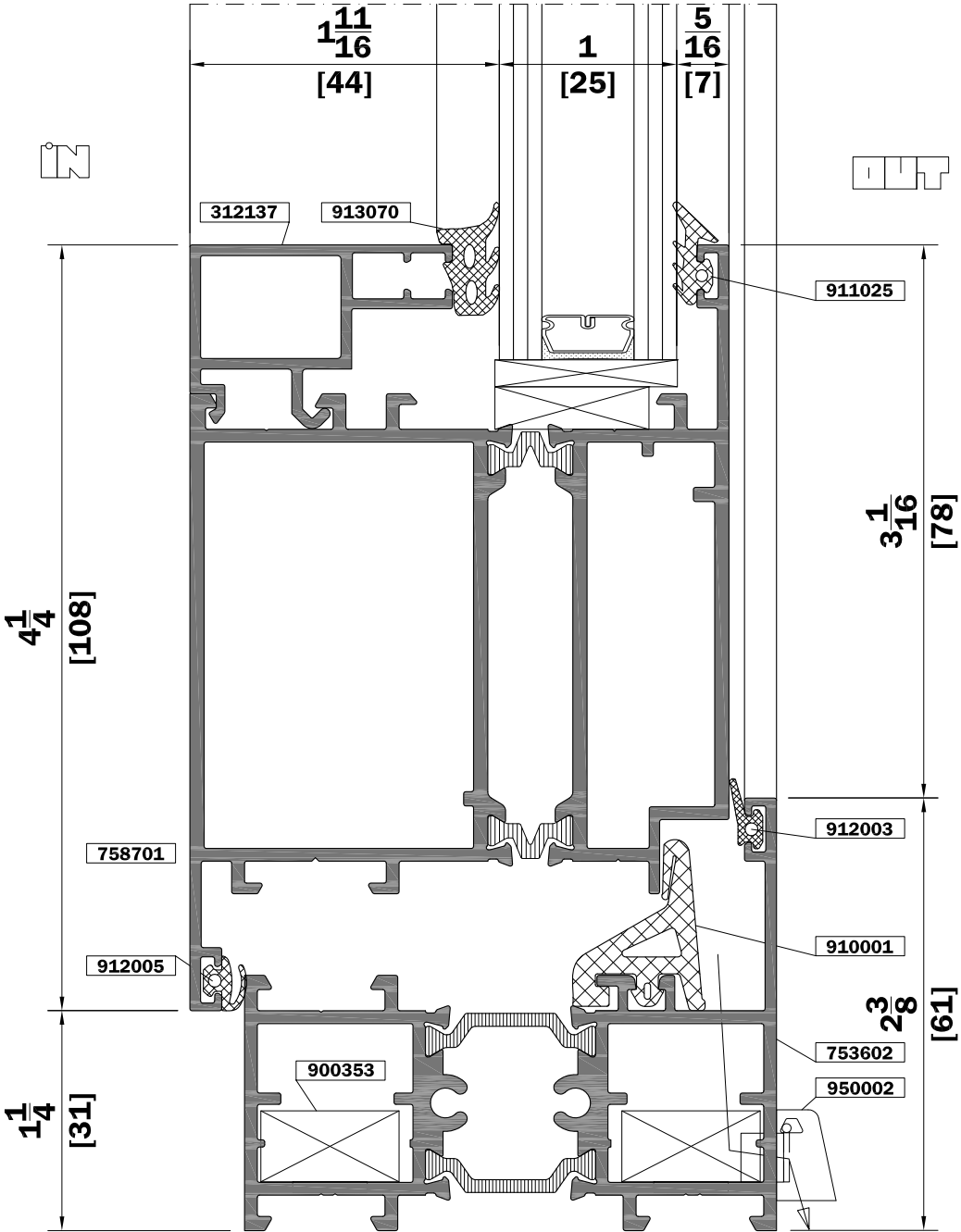
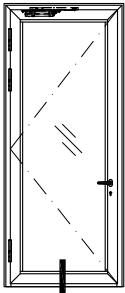
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In-Swing Door - 1" Insulated glass
Wide style Sill detail



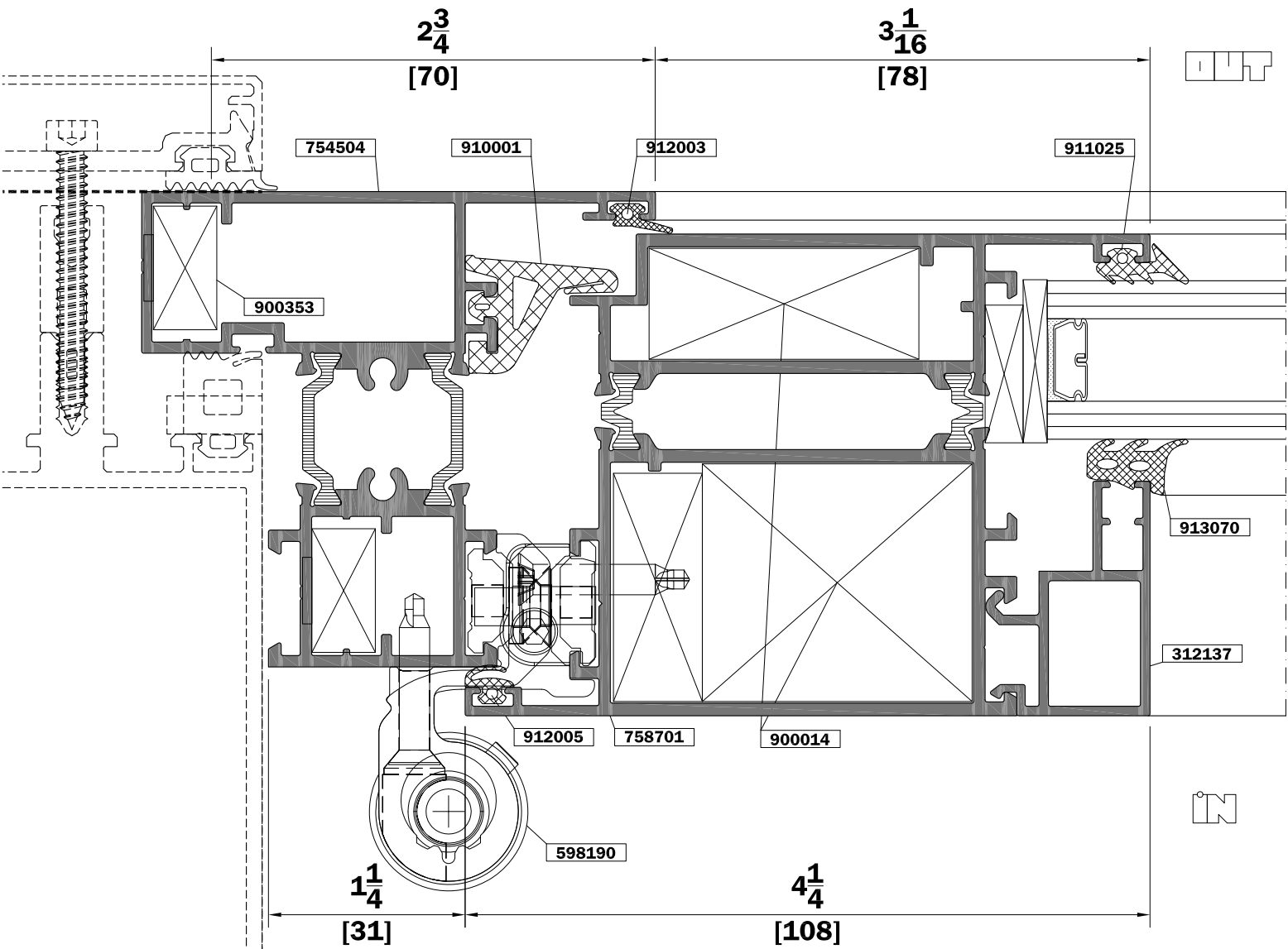
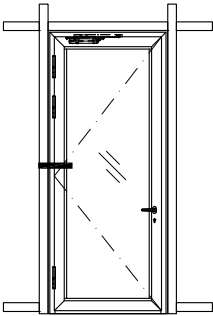
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In-Swing Door - 1" Insulated glass
Mid style Sill detail



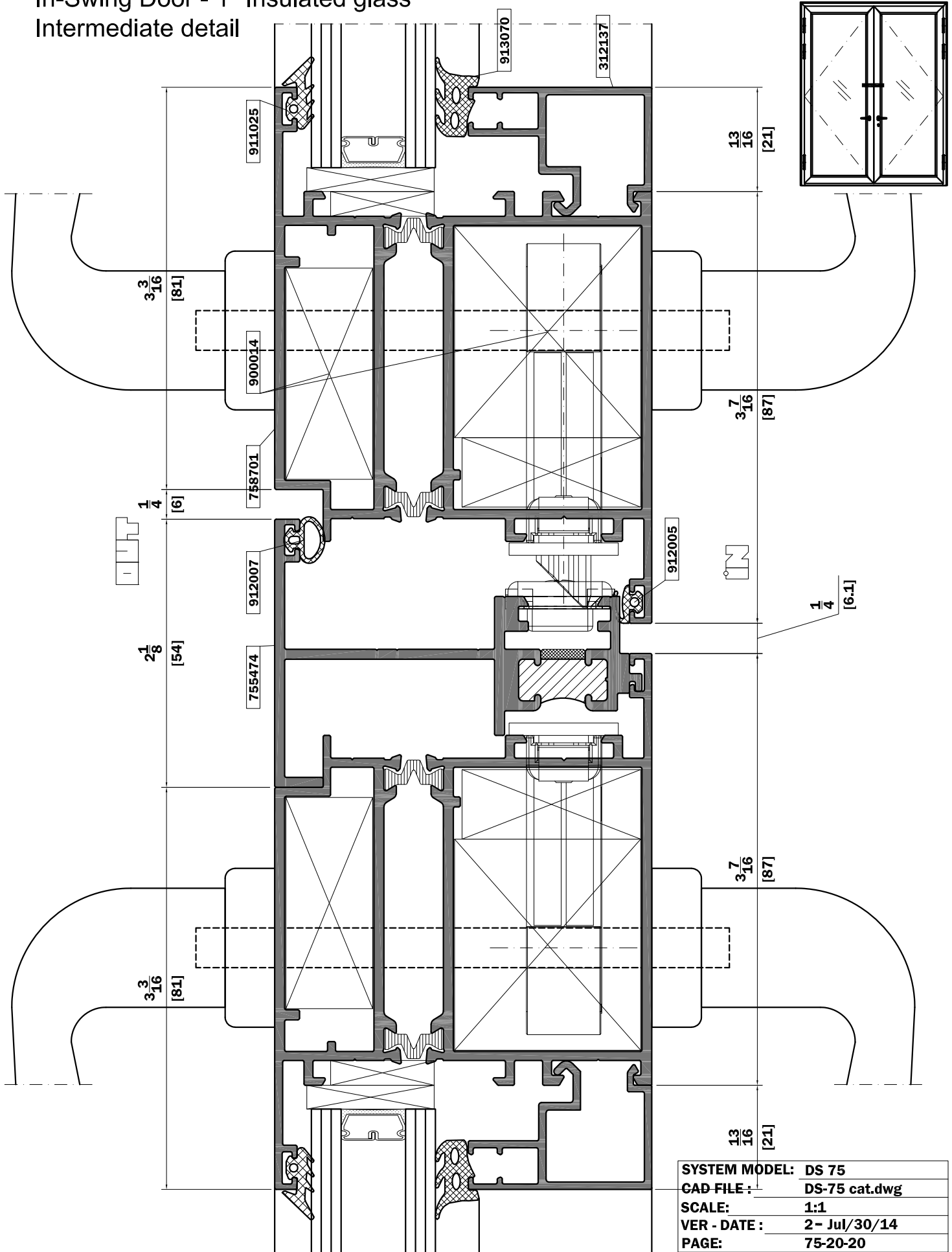
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In-Swing Door - 1" Insulated glass
 Jamb detail with Barrel hinge,
 Glazed into Curtain wall



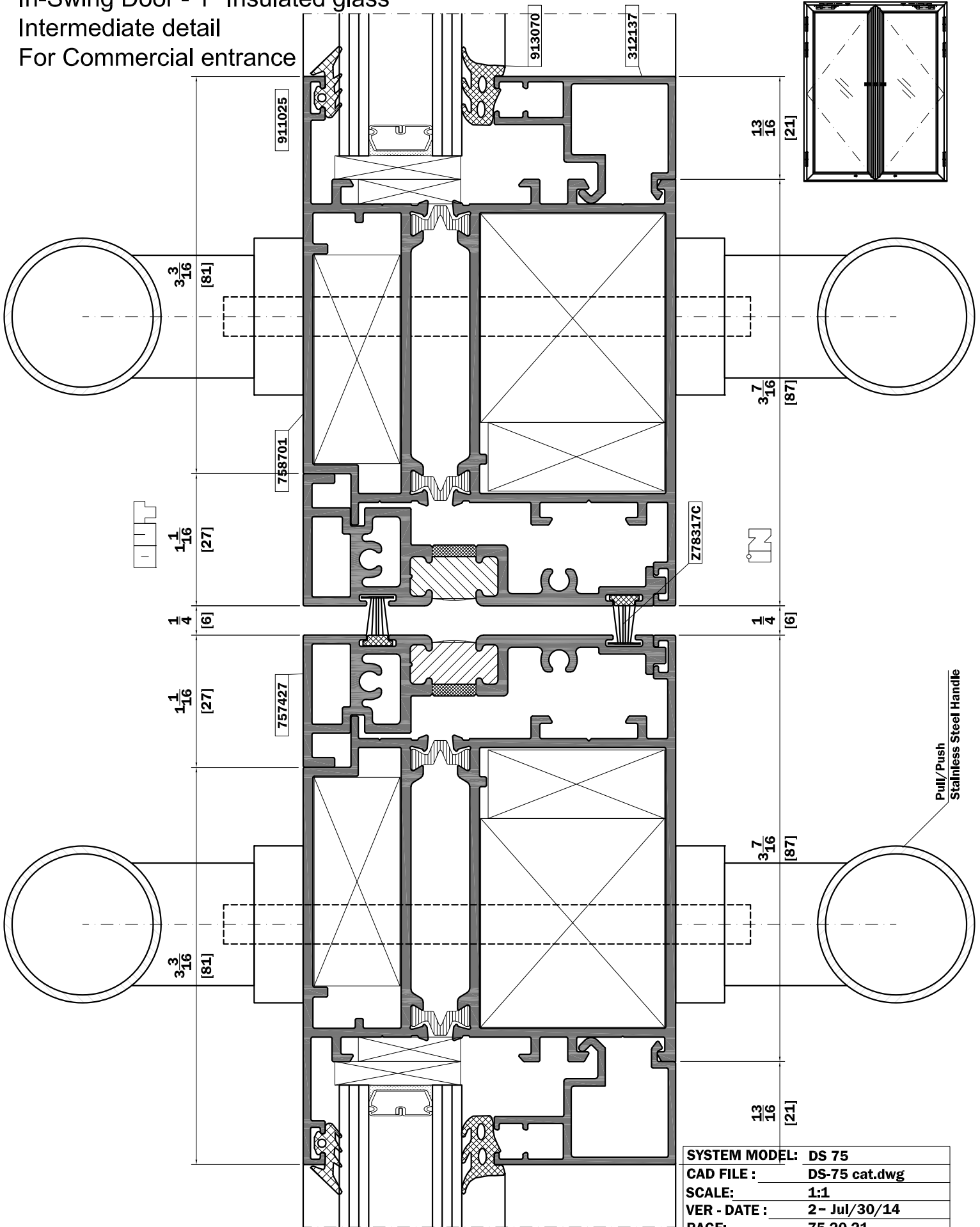
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In-Swing Door - 1" Insulated glass
Intermediate detail



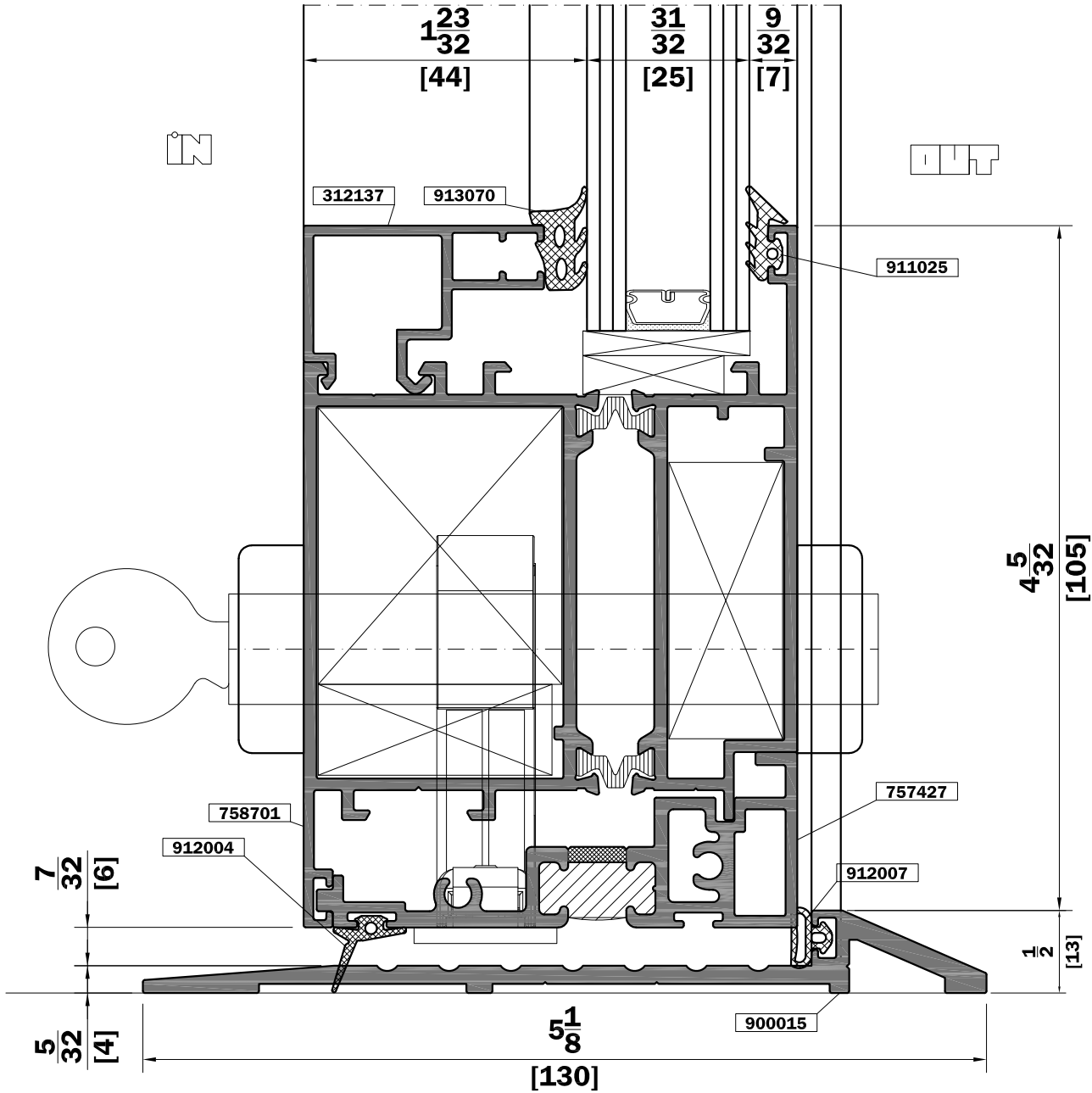
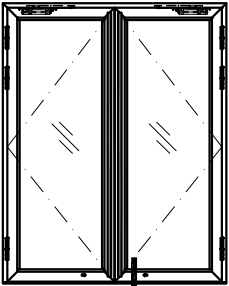
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In-Swing Door - 1" Insulated glass
 Intermediate detail
 For Commercial entrance



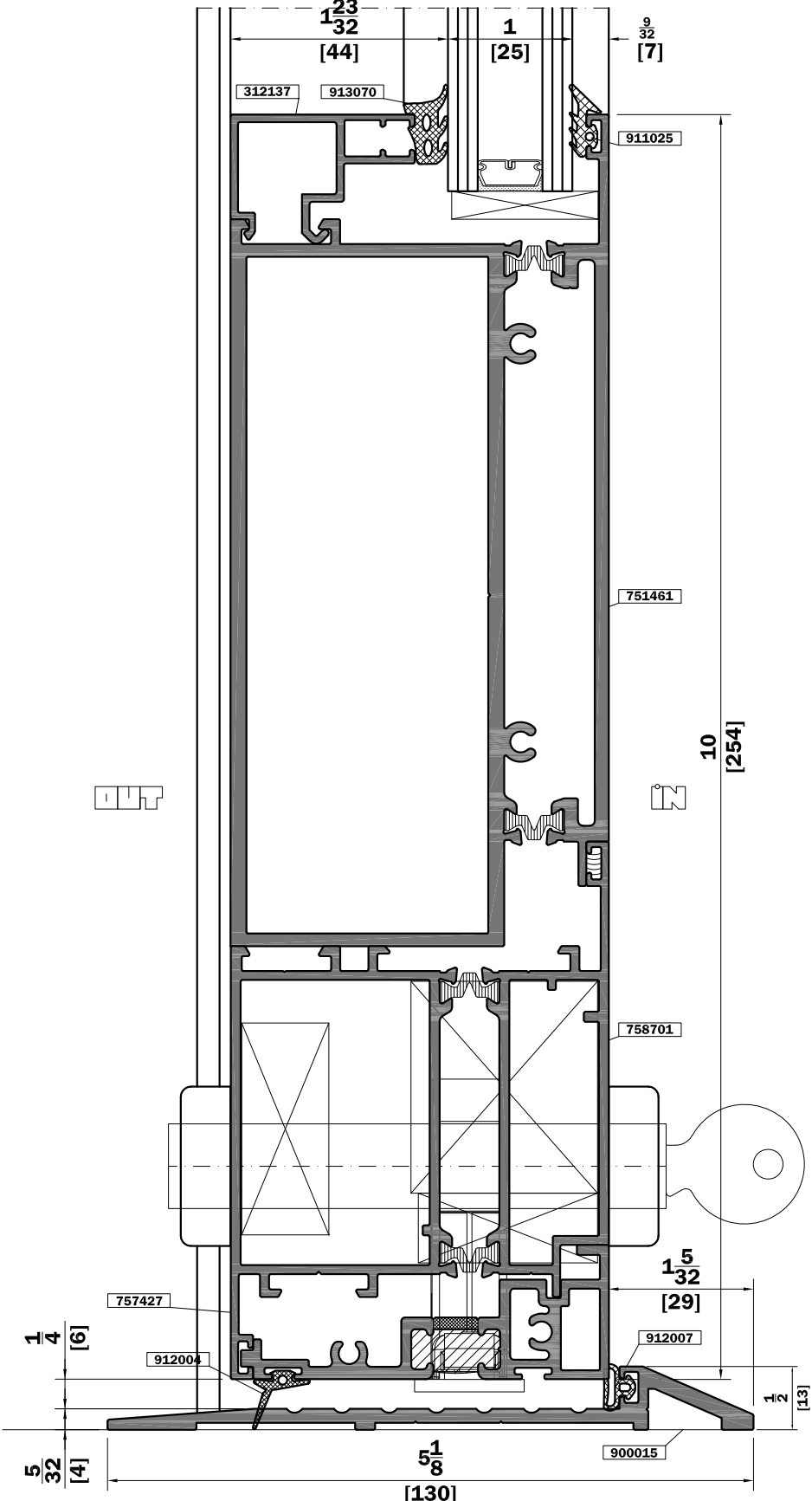
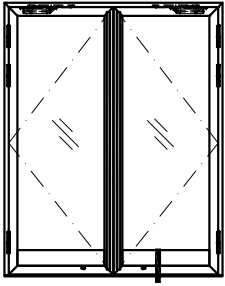
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In-Swing Door - 1" Insulated glass
 Sill detail
 For Commercial entrance



SYSTEM MODEL:	DS 75
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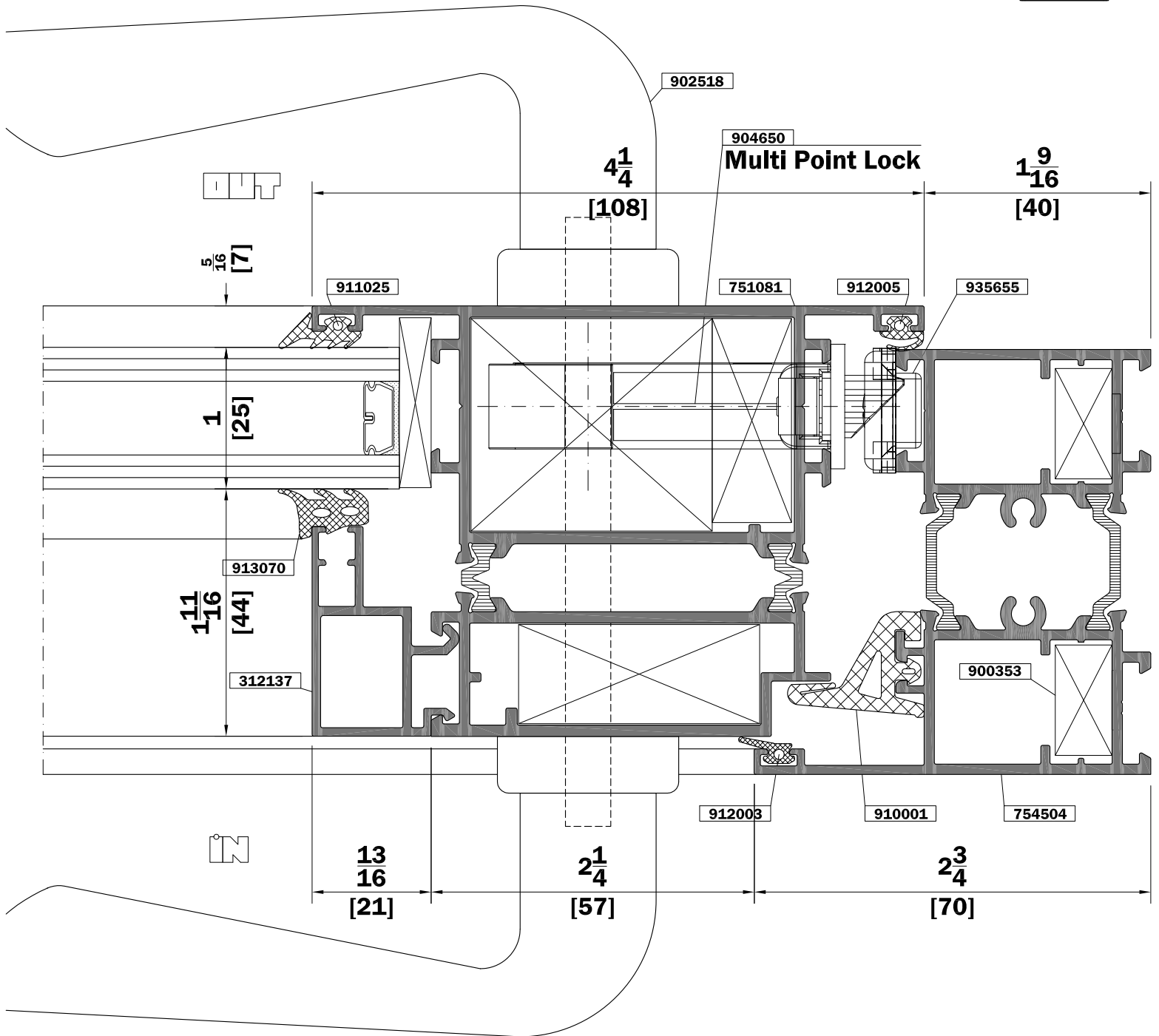
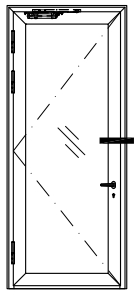
In-Swing Door - 1" Insulated glass
 Sill detail
 For Commercial entrance



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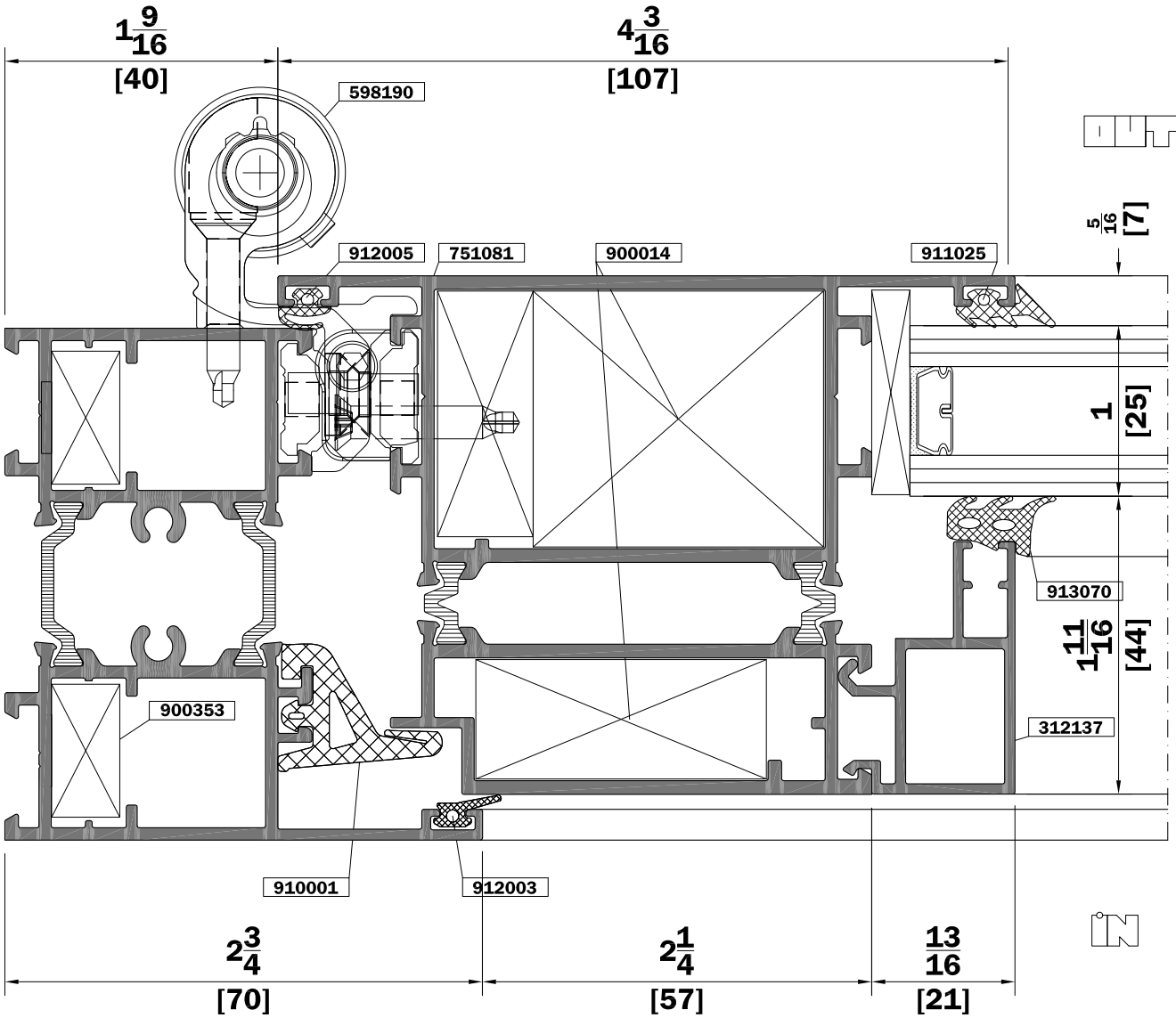
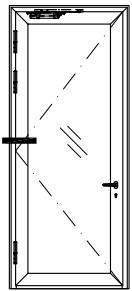
Details Out Swing

Out-Swing Door - 1" Insulated glass
Jamb detail with Lever Handle



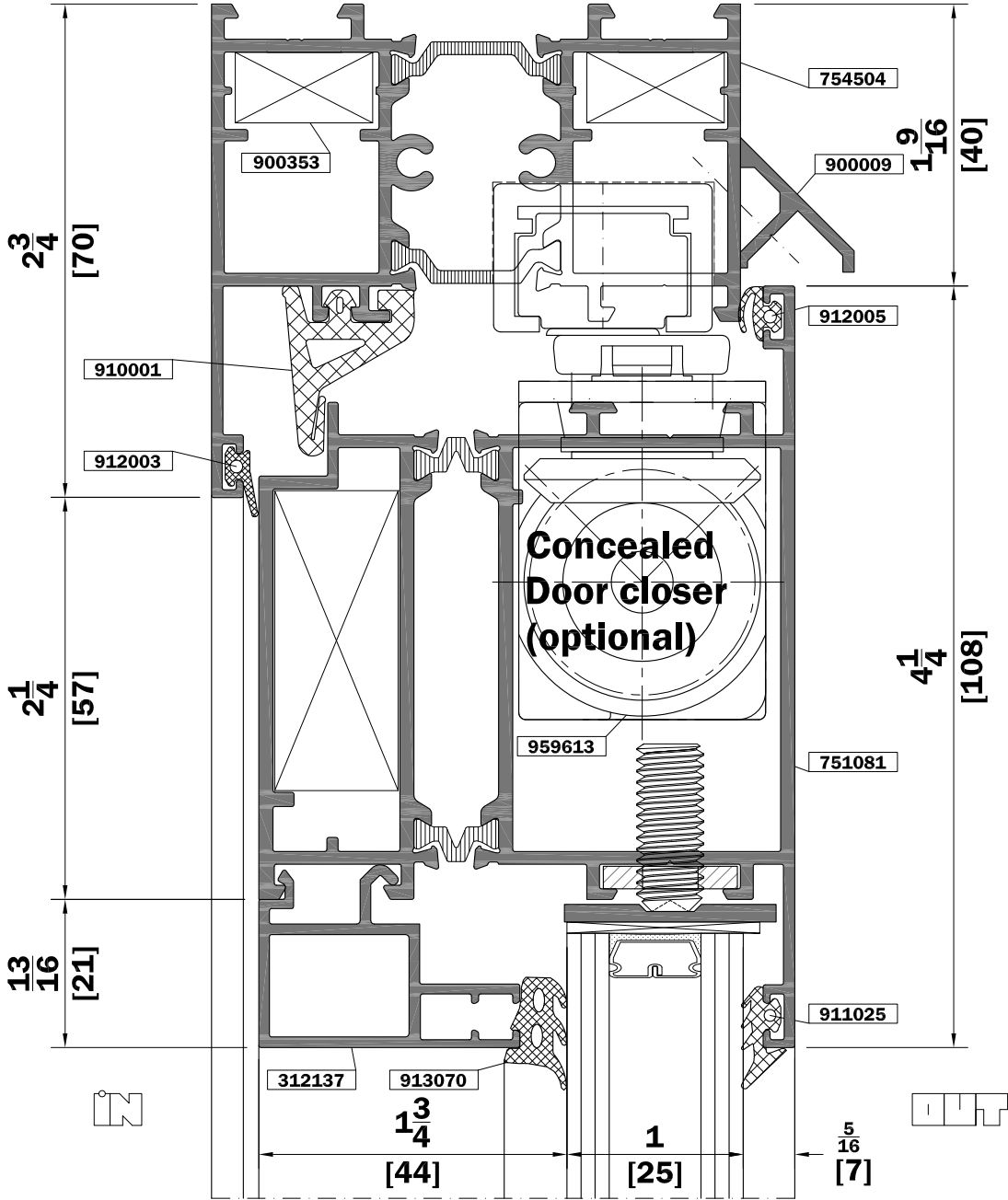
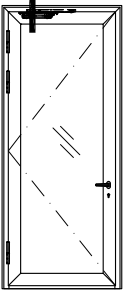
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Out-Swing Door - 1" Insulated glass
 Jamb detail with Barrel hinge



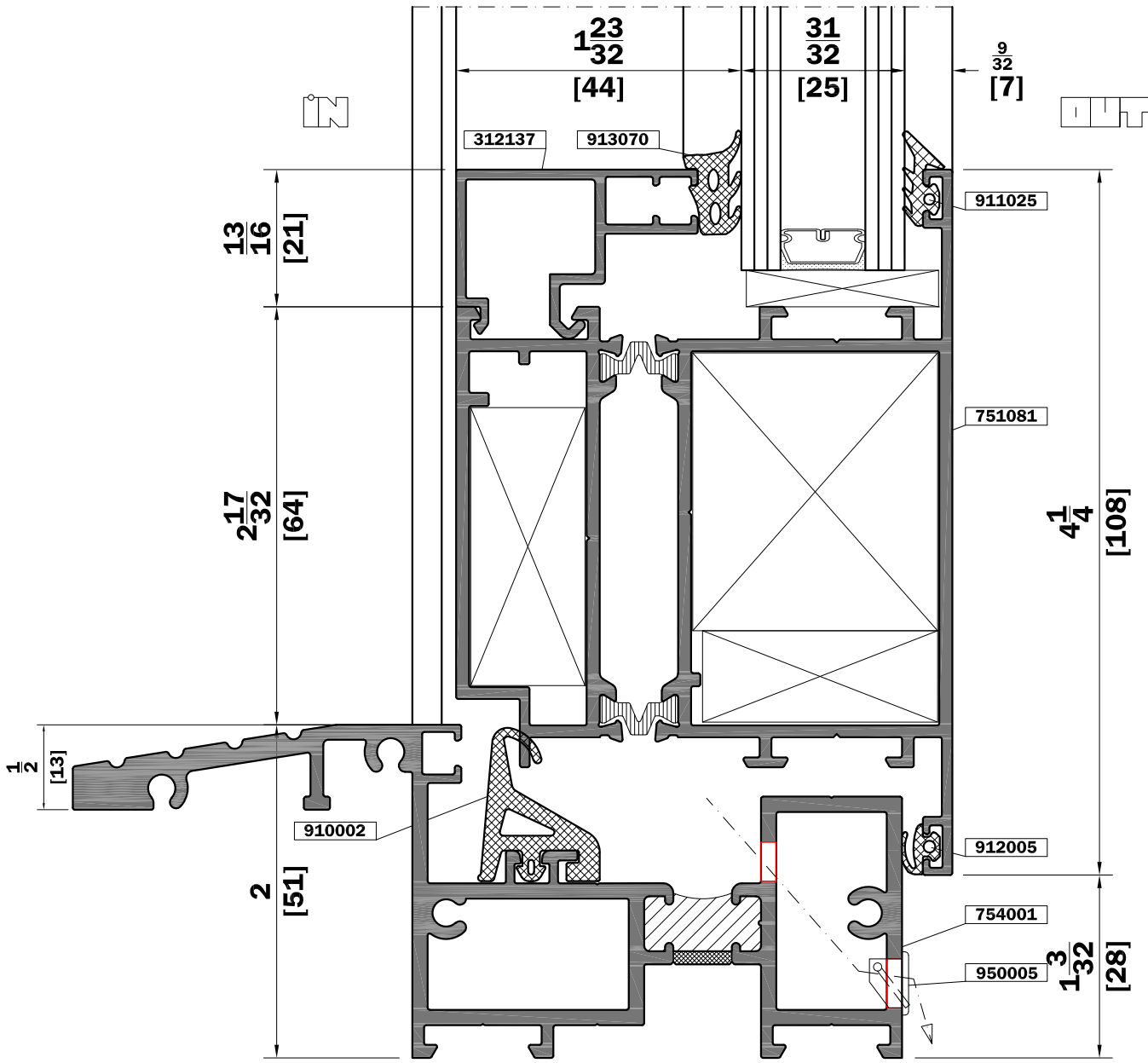
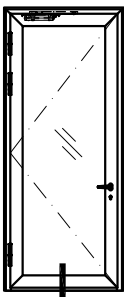
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Out-Swing Door - 1" Insulated glass
 Head detail with Concealed door closer



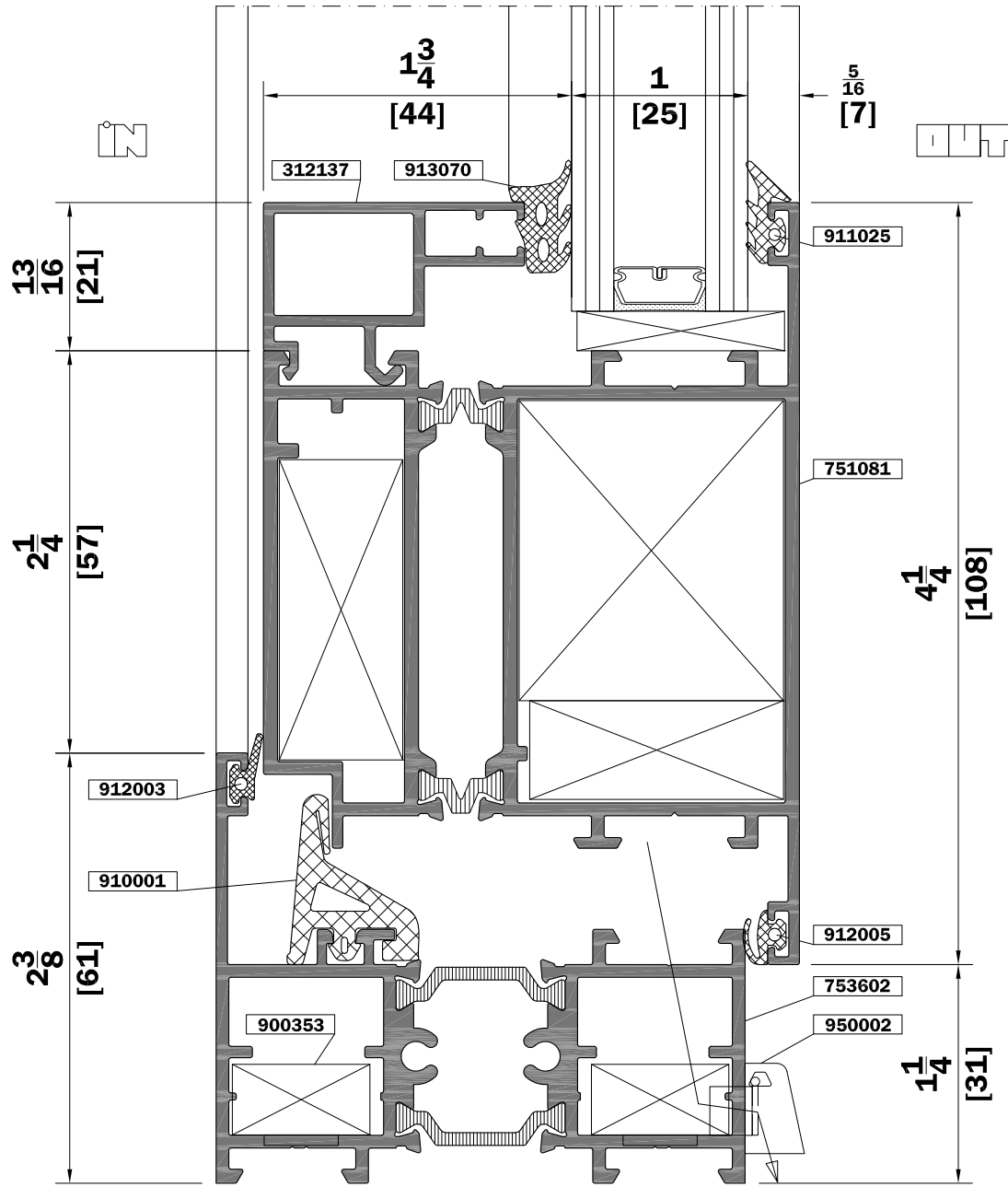
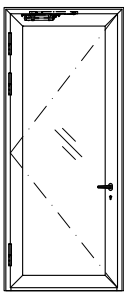
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Out-Swing Door - 1" Insulated glass
Wide style Sill detail



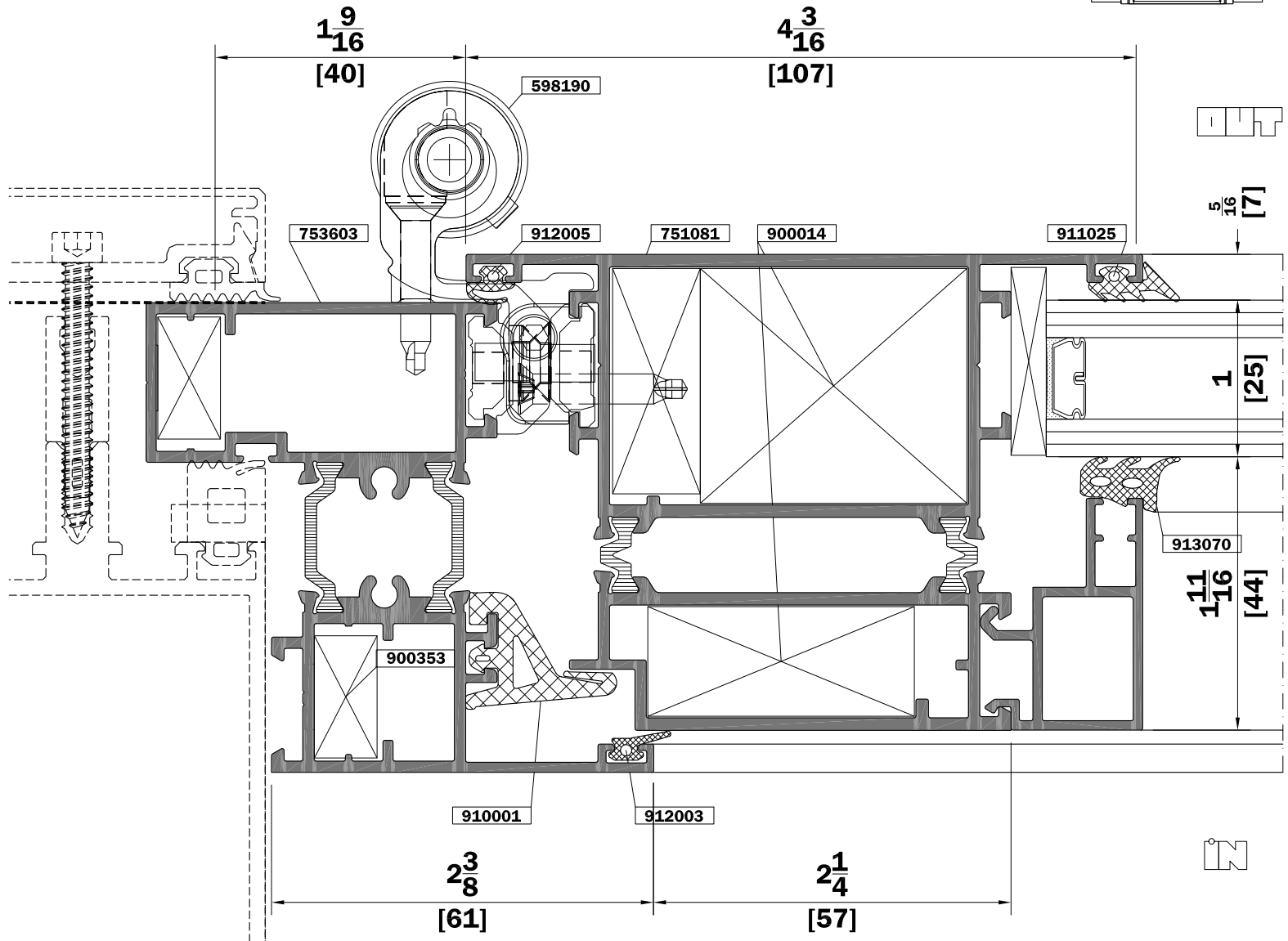
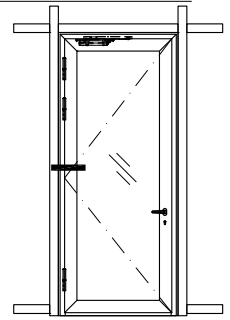
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Out-Swing Door - 1" Insulated glass
Mid style Sill detail



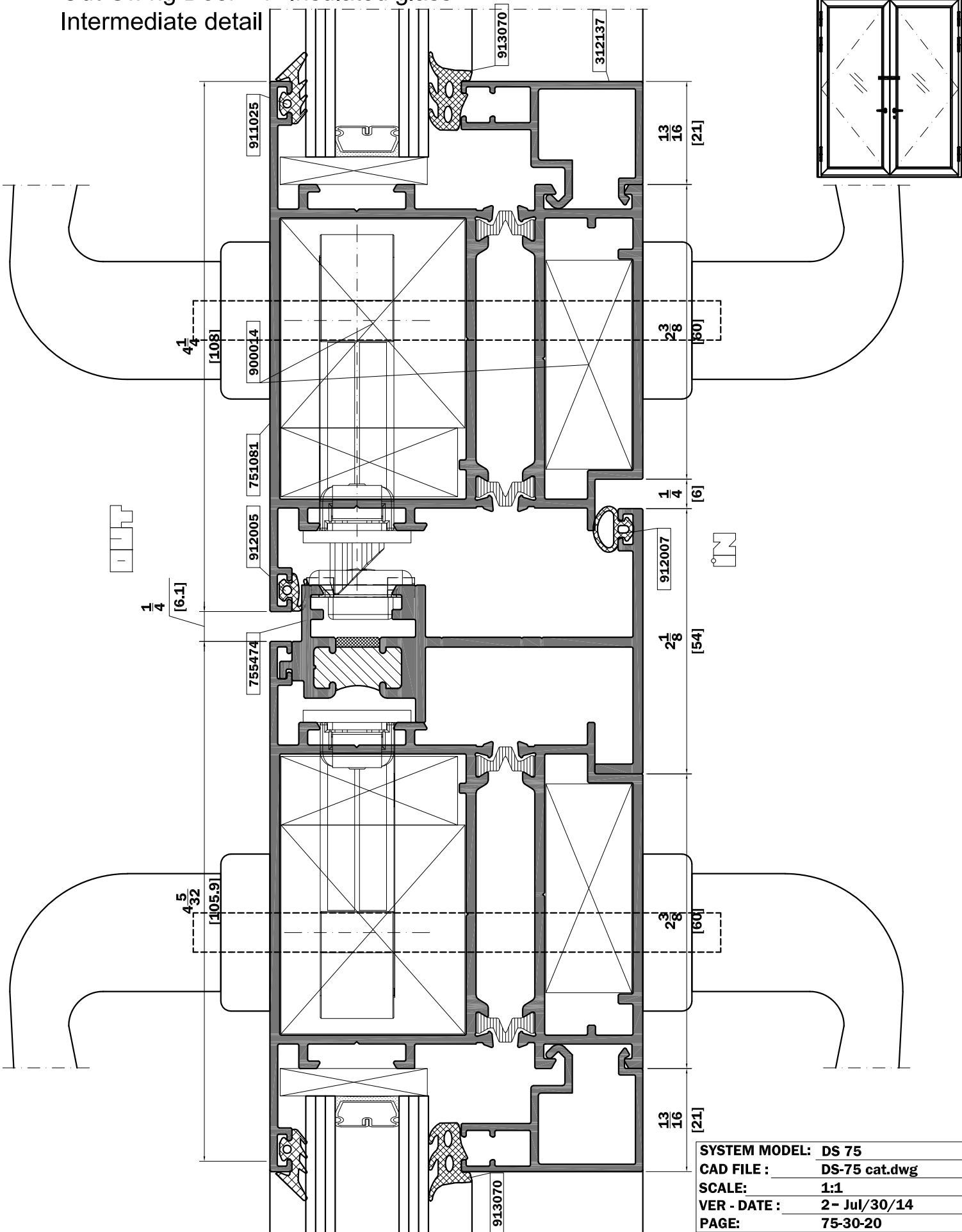
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Out-Swing Door - 1" Insulated glass
 Jamb detail with Barrel hinge,
 Glazed into Curtain wall



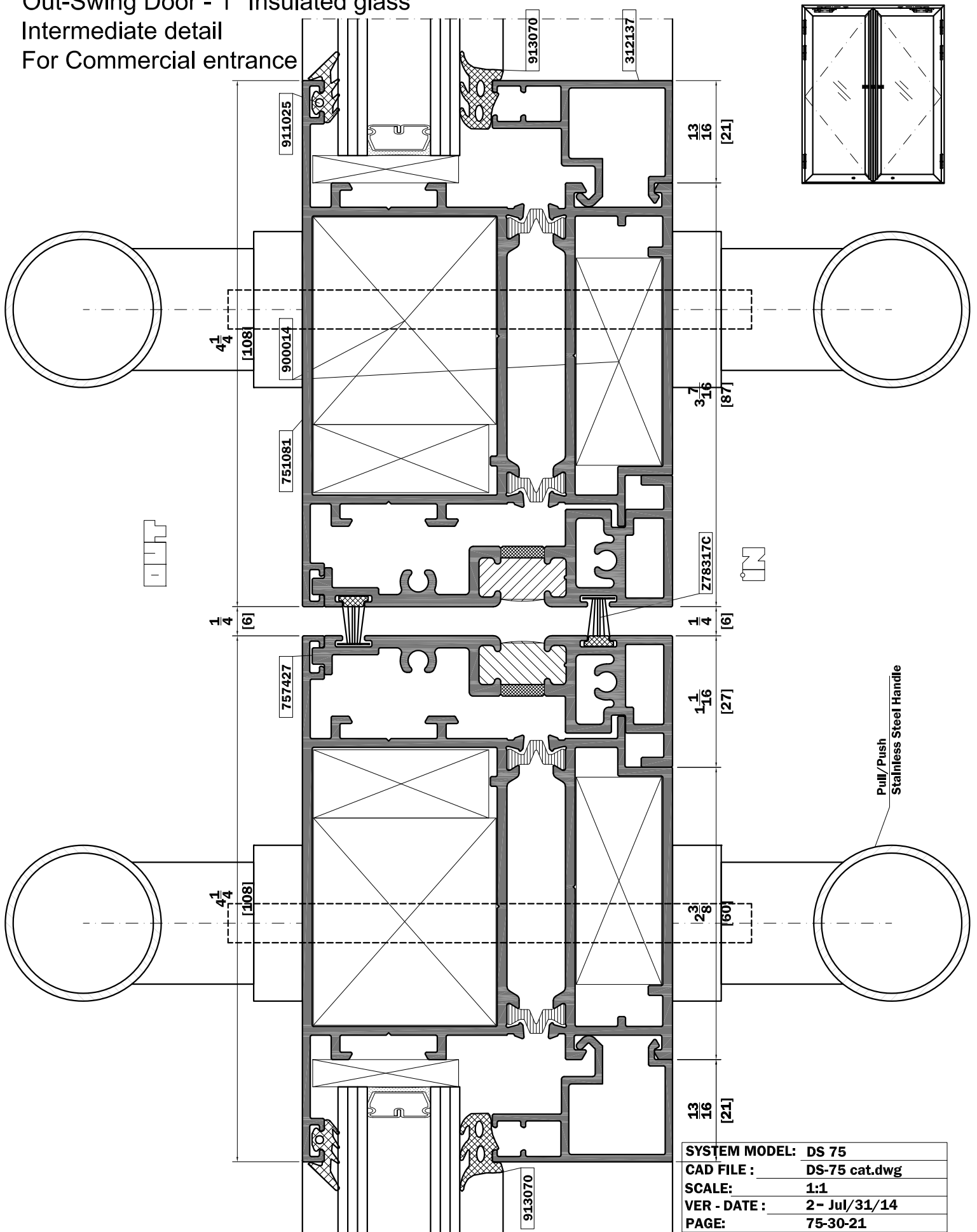
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Out-Swing Door - 1" Insulated glass Intermediate detail



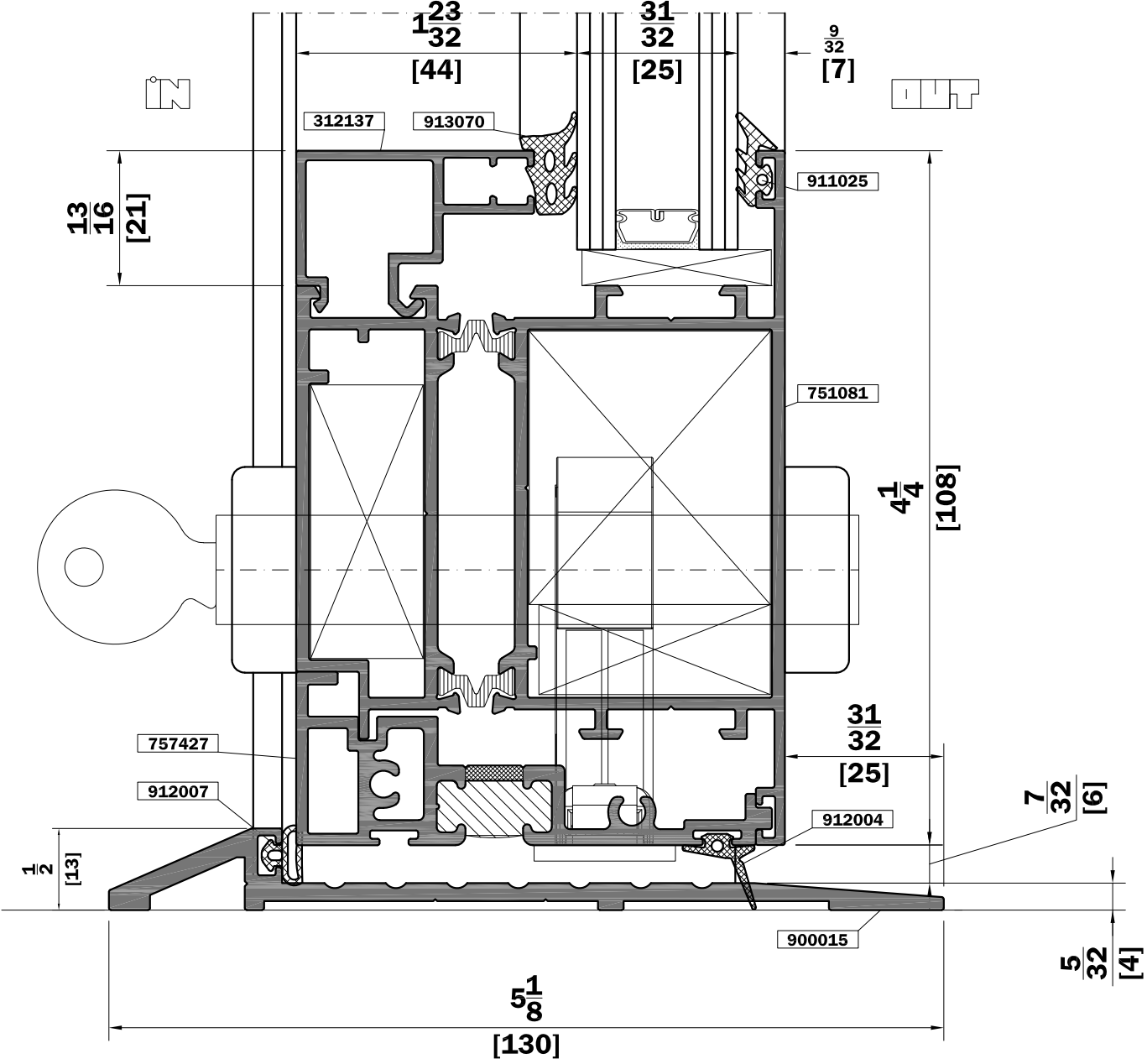
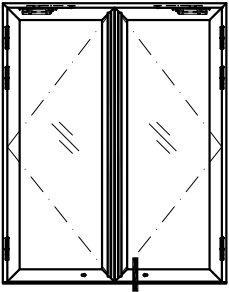
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Out-Swing Door - 1" Insulated glass
 Intermediate detail
 For Commercial entrance



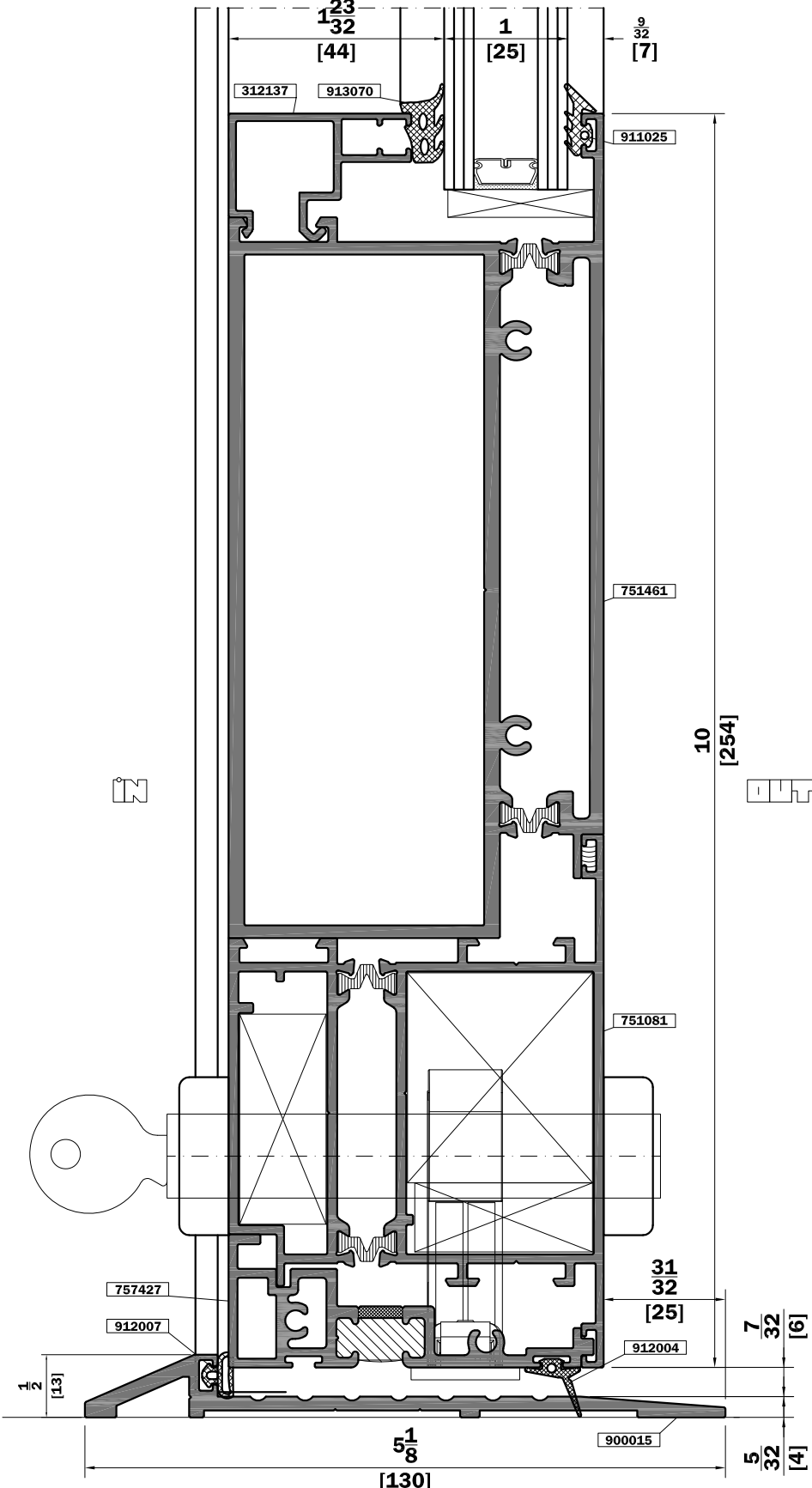
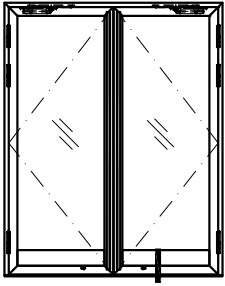
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Out-Swing Door - 1" Insulated glass
 Sill detail
 For Commercial entrance



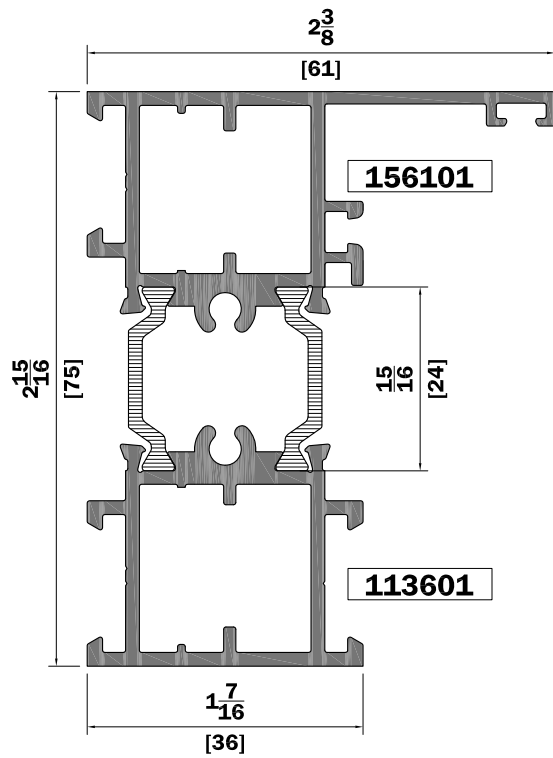
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Out-Swing Door - 1" Insulated glass
 Sill detail
 For Commercial entrance

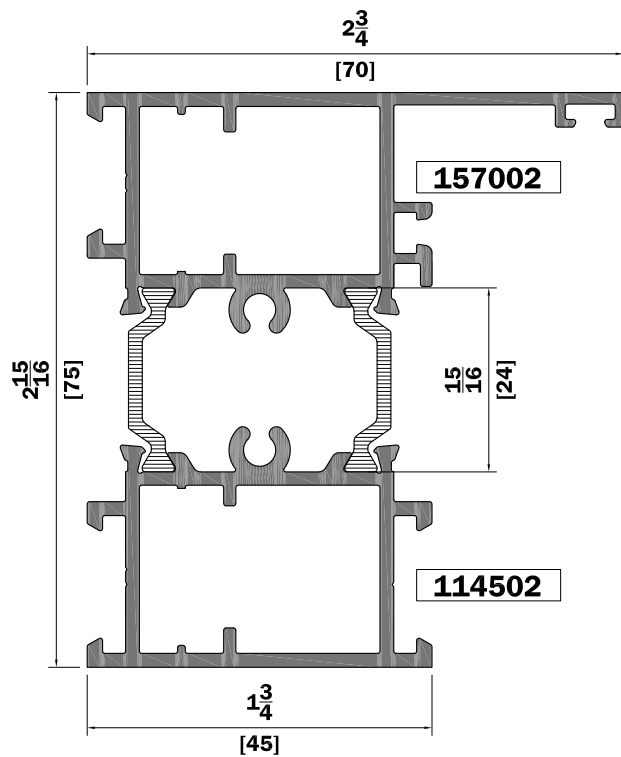


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Profiles

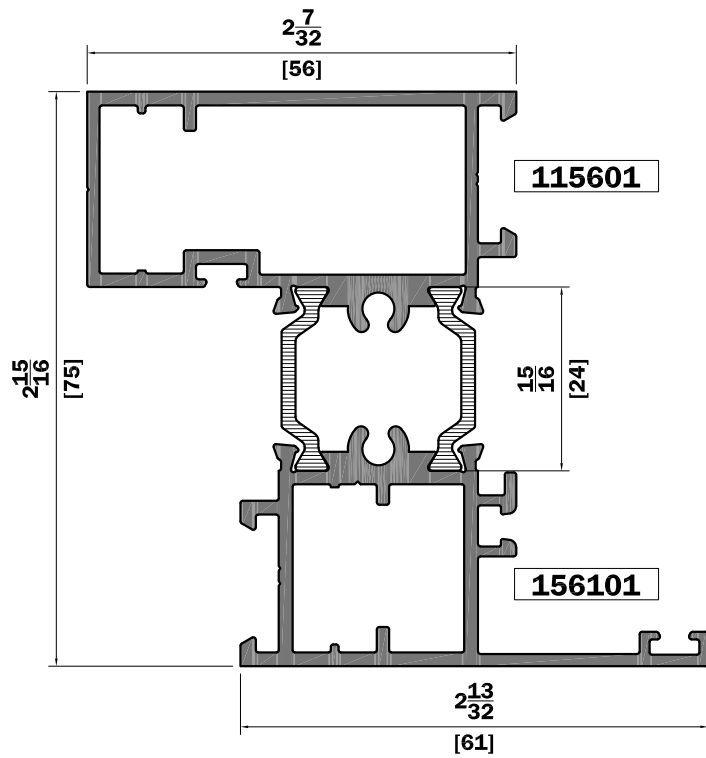


Cataloge No.	753602	
Outer Profile	156101	
Area	0.522 in ²	337 mm ²
Weight	0.611 Lb/ft	0.910 Kg/m
Perimeter	11.339 in	288 mm
Exposed	2.756 in	70 mm
Inner Profile	113601	
Area	0.431 in ²	278 mm ²
Wiegth	0.504 Lb/ft	0.751 Kg/m
Perimeter	8.110 in	206 mm
Exposed	1.614 in	41 mm
Thermal Strut	279700	24 mm
Ix	0.810 in ⁴	33.7 cm ⁴
Iy	0.260 in ⁴	10.8 cm ⁴
Sx	0.510 in ³	8.4 cm ³
Sy	0.163 in ³	2.7 cm ³

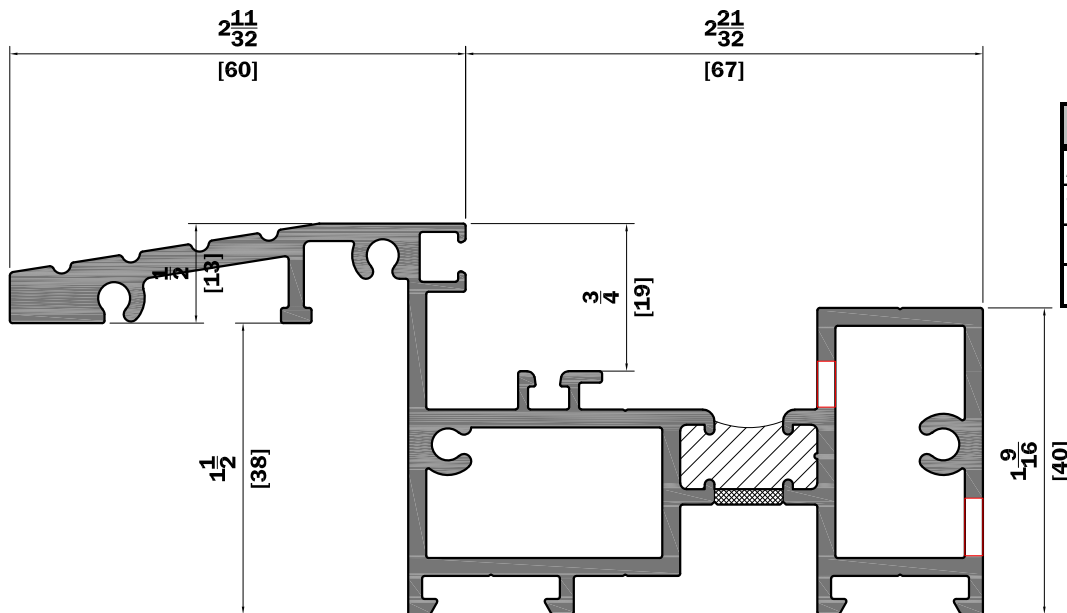


Cataloge No.	754504	
Outer Profile	157002	
Area	0.564 in ²	364 mm ²
Weight	0.66 Lb/ft	0.983 Kg/m
Perimeter	11.772 in	299 mm
Exposed	3.110 in	79 mm
Inner Profile	114502	
Area	0.57 in ²	315 mm ²
Wiegth	0.571 Lb/ft	0.851 Kg/m
Perimeter	8.78 in	223 mm
Exposed	1.969 in	50 mm
Thermal Strut	279700	24 mm
Ix	1.032 in ⁴	43 cm ⁴
Iy	0.438 in ⁴	18.2 cm ⁴
Sx	0.694 in ³	11.4 cm ³
Sy	0.245 in ³	4 cm ³

SYSTEM MODEL:	DS 75
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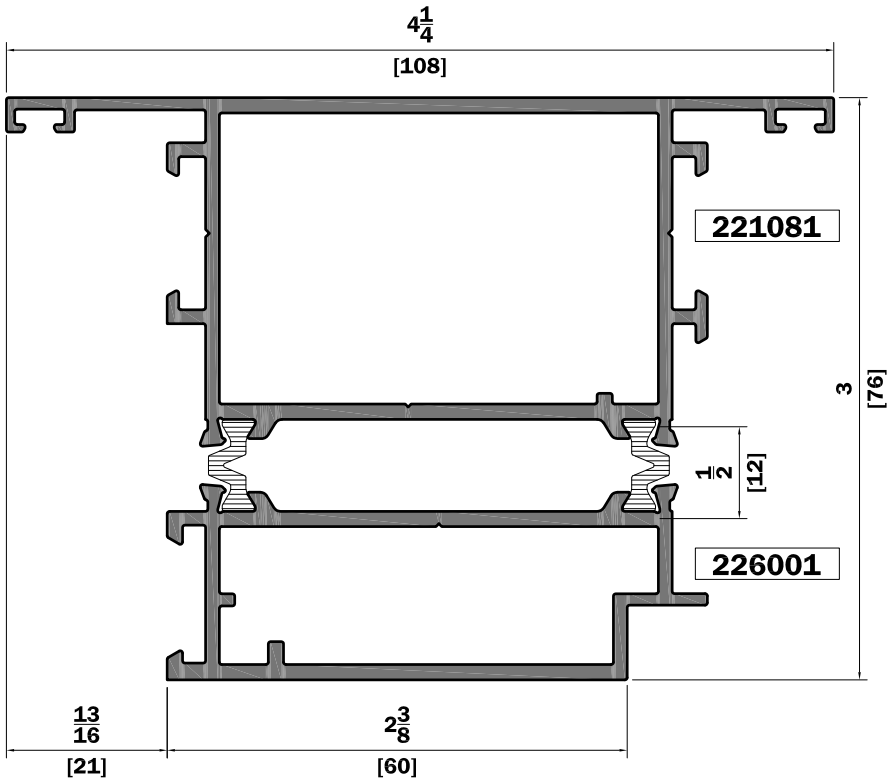


Cataloge No.	753603	
Outer Profile	156101	
Area	0.522 in ²	337 mm ²
Weight	0.611 Lb/ft	0.910 Kg/m
Perimeter	11.339 in	288 mm
Exposed	2.756 in	70 mm
Inner Profile	115601	
Area	0.536 in ²	346 mm ²
Weight	0.628 Lb/ft	0.934 Kg/m
Perimeter	9.449 in	240 mm
Exposed	2.520 in	64 mm
Thermal Strut	279700	24 mm
Ix	0.922 in ⁴	38.4 cm ⁴
Iy	0.477 in ⁴	19.9 cm ⁴
Sx	0.617 in ³	10.1 cm ³
Sy	0.274 in ³	4.5 cm ³

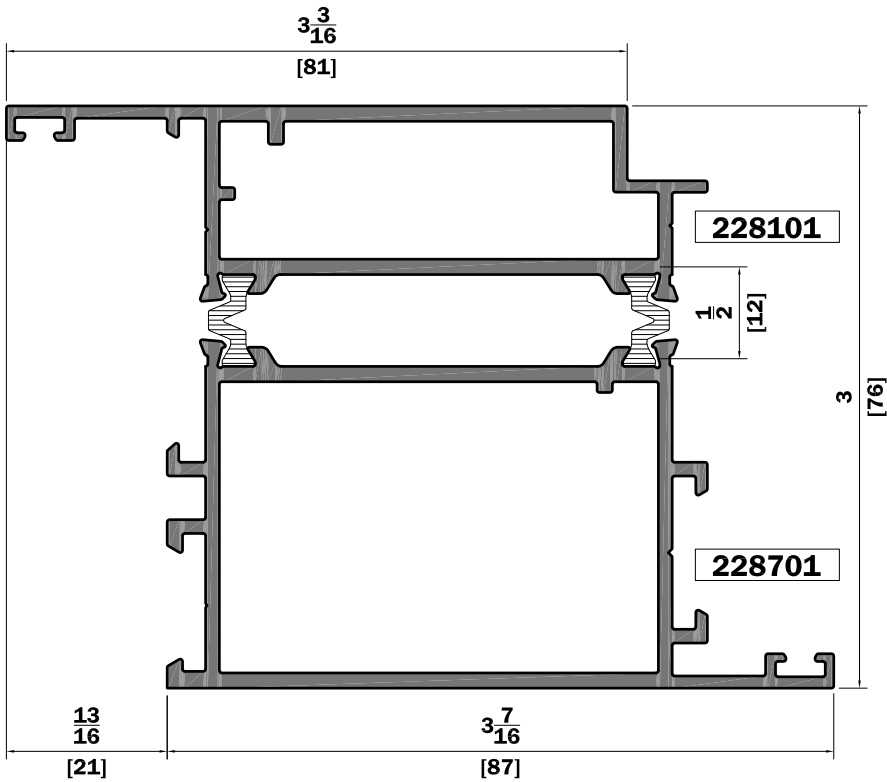


Cataloge No.	754001	
Area	1.527 in ²	985.1 mm ²
Weight	1.787 Lb/ft	2.660 Kg/m
Perimeter	23.465 in	596 mm
Exposed	23.465 in	596 mm

SYSTEM MODEL:	DS 75
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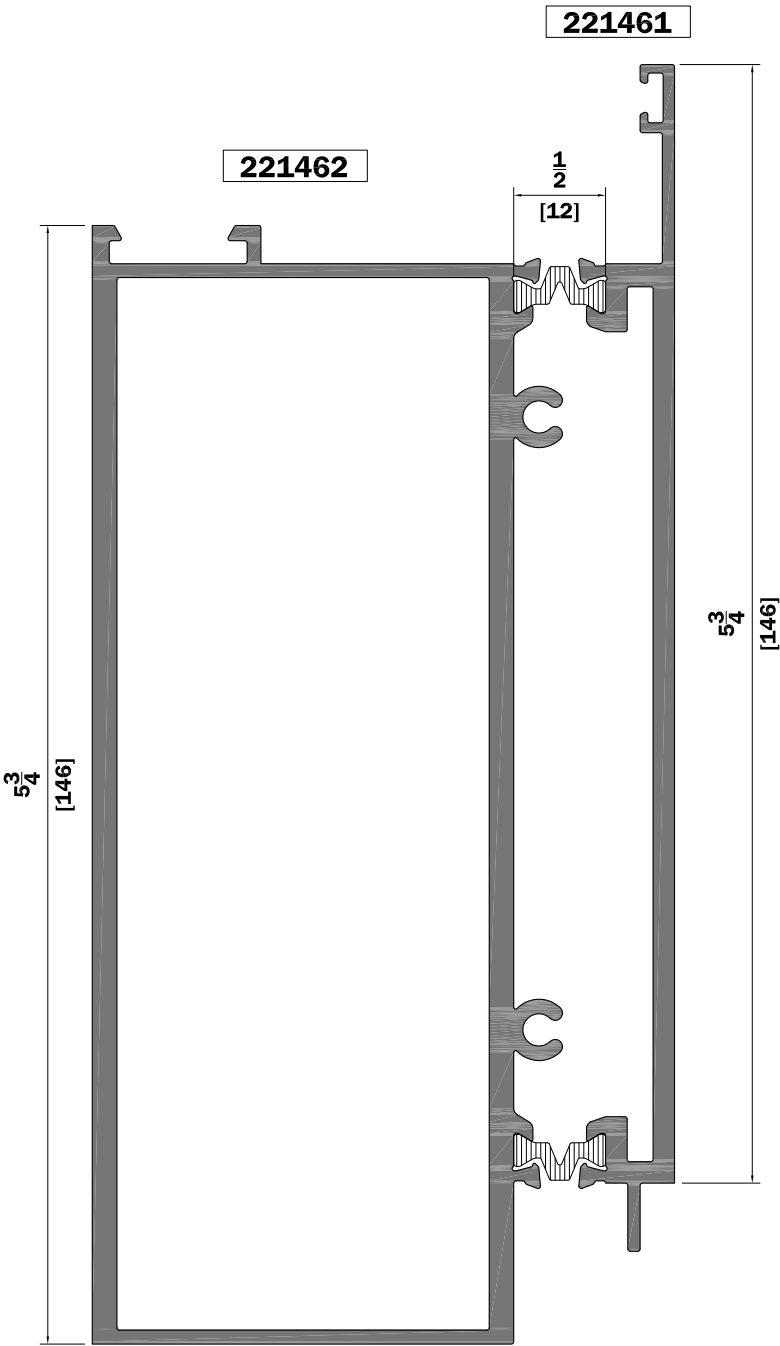


Cataloge No.	751081	
Outer Profile	221081	
Area	0.859 in ²	554 mm ²
Weight	1.005 Lb/ft	1.496 Kg/m
Perimeter	16.378 in	416 mm
Exposed	4.724 in	120 mm
Inner Profile	226001	
Area	0.580 in ²	374 mm ²
Weight	0.678 Lb/ft	1.010 Kg/m
Perimeter	9.370 in	238 mm
Exposed	3.740 in	95 mm
Thermal Strut	958241	12 mm
Ix	1.422 in ⁴	59.2 cm ⁴
Iy	1.320 in ⁴	55.0 cm ⁴
Sx	0.911 in ³	14.9 cm ³
Sy	0.607 in ³	10.0 cm ³



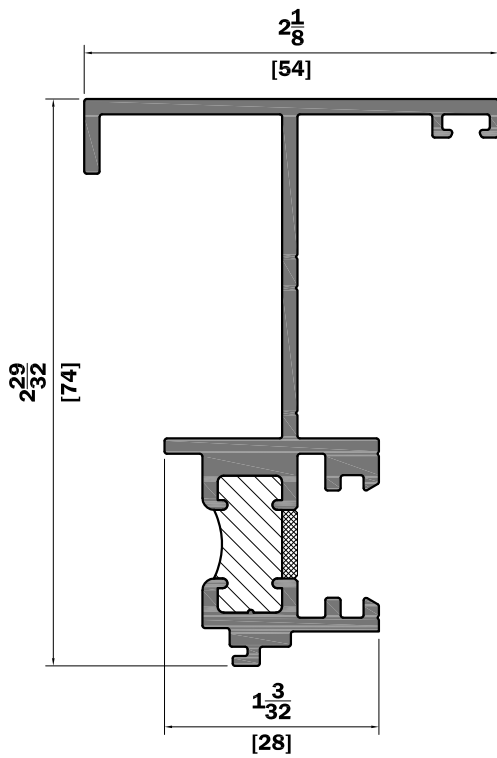
Cataloge No.	758701	
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Area	0.622 in ²	401 mm ²
Weight	0.727 Lb/ft	1.083 Kg/m
Perimeter	10.787 in	274 mm
Exposed	4.685 in	119 mm
Inner Profile	228701	
Area	0.798 in ²	515 mm ²
Weight	0.934 Lb/ft	1.391 Kg/m
Perimeter	14.094 in	358 mm
Exposed	3.780 in	96 mm
Thermal Strut	958241	12 mm
Ix	1.405 in ⁴	58.5 cm ⁴
Iy	1.31 in ⁴	54.5 cm ⁴
Sx	0.863 in ³	14.1 cm ³
Sy	0.604 in ³	9.9 cm ³

SYSTEM MODEL:	DS 75
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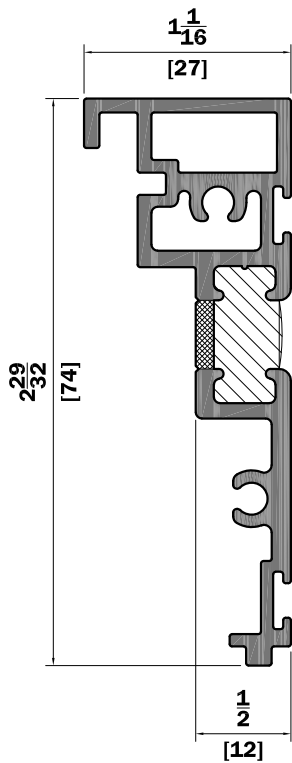


Cataloge No.	751461	
Outer Profile	221461	
Area	0.767 in ²	495 mm ²
Weight	0.898 Lb/ft	1.337 Kg/m
Perimeter	15.984 in	406 mm
Exposed	5.945 in	151 mm
Inner Profile	221462	
Area	1.838 in ²	1186 mm ²
Weight	2.151 Lb/ft	3.202 Kg/m
Perimeter	19.409 in	493 mm
Exposed	5.866 in	149 mm
Thermal Strut	958241	12 mm
Ix	7.689 in ⁴	320.0 cm ⁴
Iy	2.827 in ⁴	117.7 cm ⁴
Sx	2.175 in ³	35.6 cm ³
Sy	1.662 in ³	27.2 cm ³

SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
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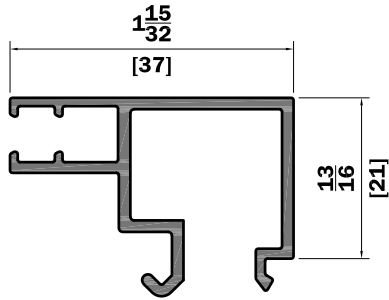


Cataloge No.	755474	
Area	0.736 in ²	475 mm ²
Weight	0.862 Lb/ft	1.283 Kg/m
Perimeter	16.850 in	428 mm
Exposed	7.087 in	180 mm

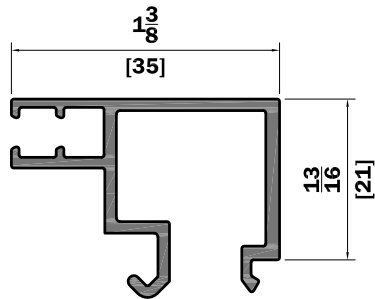


Cataloge No.	757427	
Area	0.654 in ²	422 mm ²
Weight	0.765 Lb/ft	1.139 Kg/m
Perimeter	12.047 in	306 mm
Exposed	4.213 in	107 mm

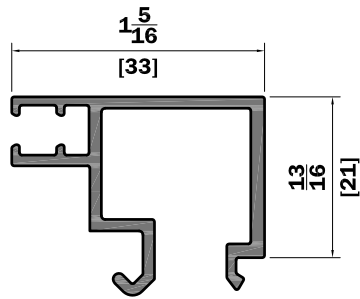
SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
VER - DATE :	2- Jul/30/14
PAGE:	75-40-51



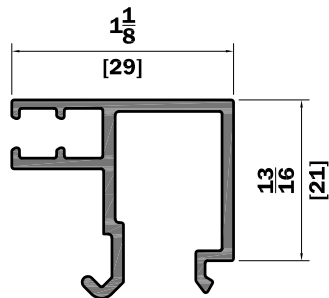
Cataloge No.	312137	
Area	0.258 in ²	166.7 mm ²
Weight	0.302 Lb/ft	0.450 Kg/m
Perimeter	9.236 in	234.6 mm
Exposed	2.402 in	61 mm



Cataloge No.	312135	
Area	0.261 in ²	168.6 mm ²
Weight	0.306 Lb/ft	0.455 Kg/m
Perimeter	8.902 in	226.1 mm
Exposed	2.323 in	59 mm

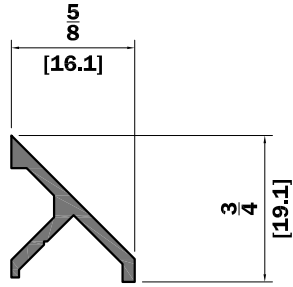


Cataloge No.	312133	
Area	0.254 in ²	163.6 mm ²
Weight	0.297 Lb/ft	0.442 Kg/m
Perimeter	8.587 in	218.1 mm
Exposed	2.244 in	57 mm



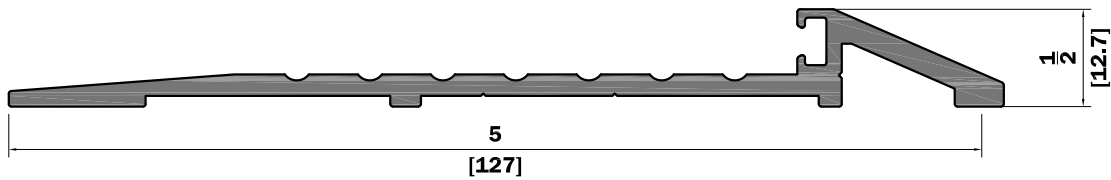
Cataloge No.	312129	
Area	0.223 in ²	143.6 mm ²
Weight	0.260 Lb/ft	0.388 Kg/m
Perimeter	7.972 in	202.5 mm
Exposed	2.480 in	63 mm

SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
VER - DATE :	1- May/13/15
PAGE:	75-40-61

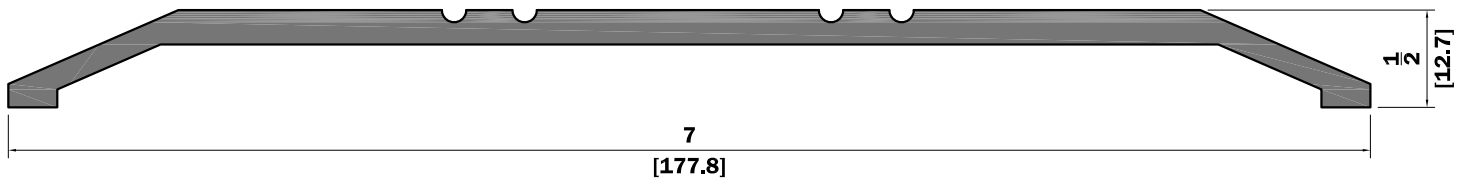


Cataloge No.	900009	
Area	0.093 in ²	60 mm ²
Weight	0.109 Lb/ft	0.162 Kg/m
Perimeter	2.953 in	75 mm
Exposed	2.008 in	51 mm

Cataloge No.	900015	
Area	0.814 in ²	525 mm ²
Weight	0.952 Lb/ft	1.418 Kg/m
Perimeter	10.984 in	279 mm
Exposed	5.669 in	144 mm



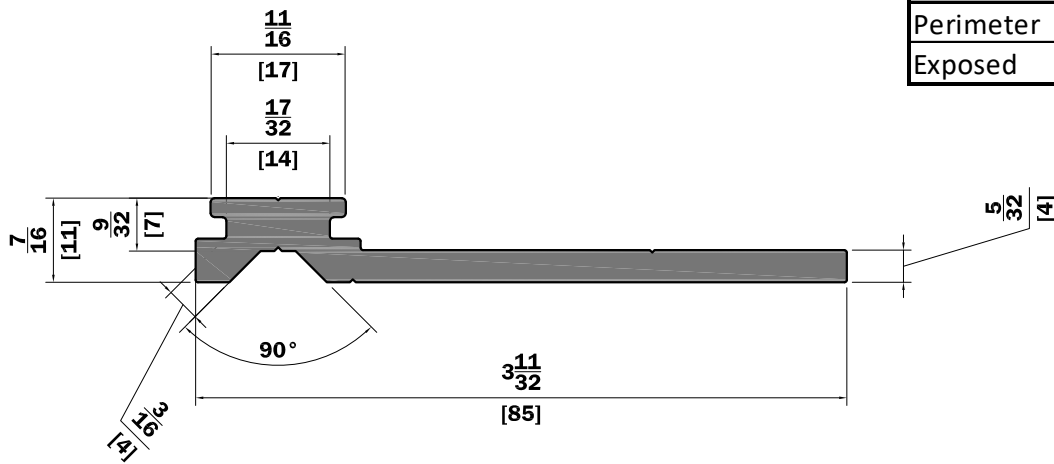
Cataloge No.	900017	
Area	1.169 in ²	754 mm ²
Weight	1.368 Lb/ft	2.036 Kg/m
Perimeter	14.961 in	380 mm
Exposed	7.677 in	195 mm



SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
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PAGE:	75-40-71

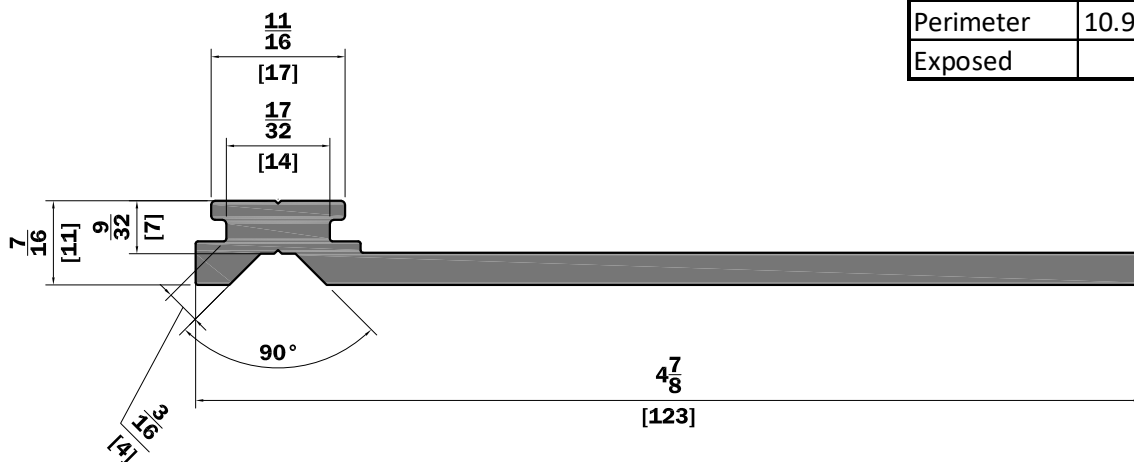
Anchor Strut

Cataloge No.	900043	
Area	0.676 in ²	436 mm ²
Weight	0.791 Lb/ft	1.177 Kg/m
Perimeter	7.953 in	202 mm
Exposed	0 in	0 mm



Anchor Strut

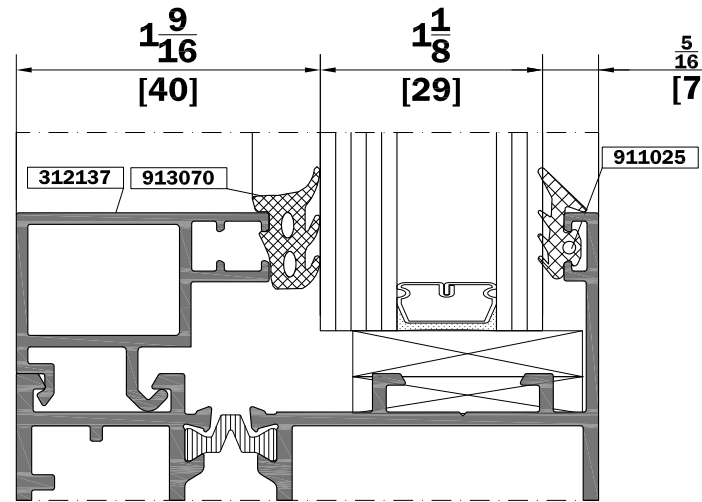
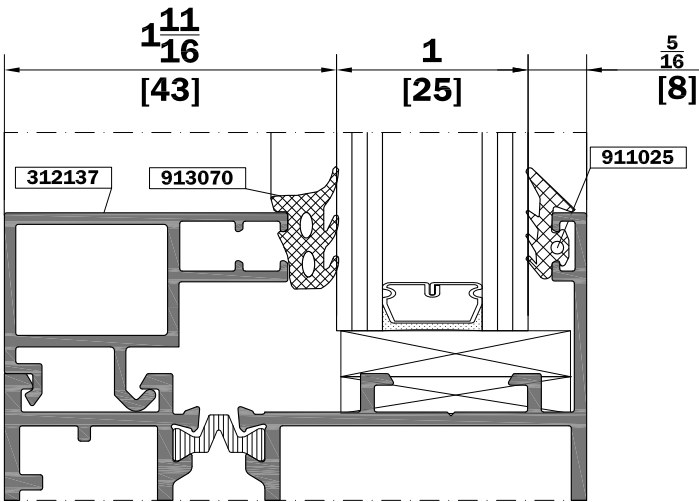
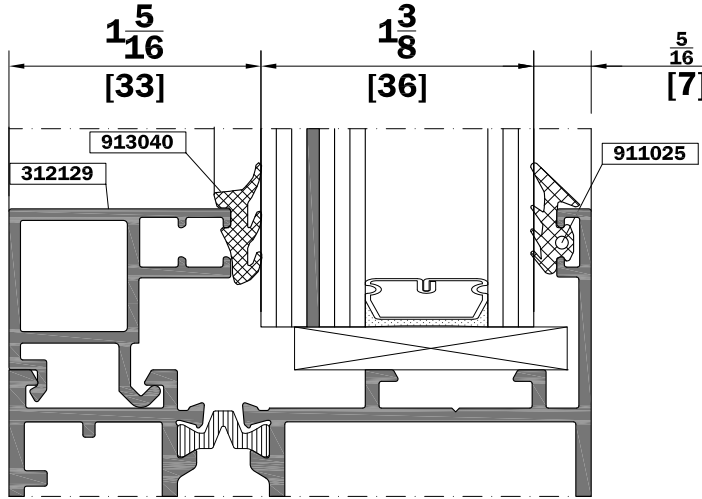
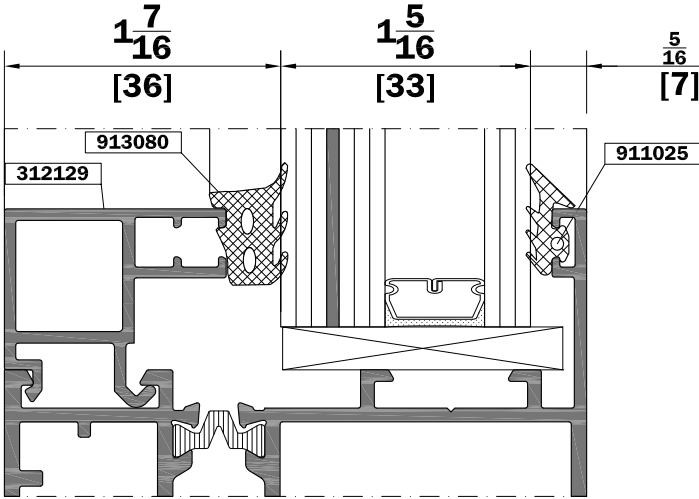
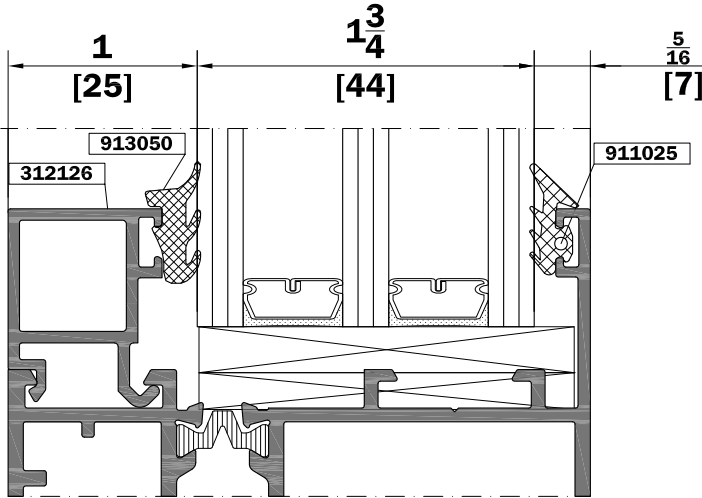
Cataloge No.	900016	
Area	0.925 in ²	596.6 mm ²
Weight	1.082 Lb/ft	1.611 Kg/m
Perimeter	10.969 in	278.6 mm
Exposed	0 in	0 mm



SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
VER - DATE :	1- Jun/30/14
PAGE:	75-40-72

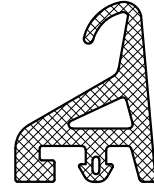
Gaskets

In/Out Swing Door - Glazing range possibilities



SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
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910001	Center Gasket
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912007	Rebate Gasket
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912005	Rebate Gasket
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912004	Rebate Gasket
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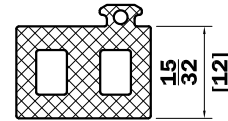
912003	Rebate Gasket
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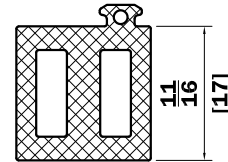
912006	Gap Gasket
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911812	Adapter Gasket
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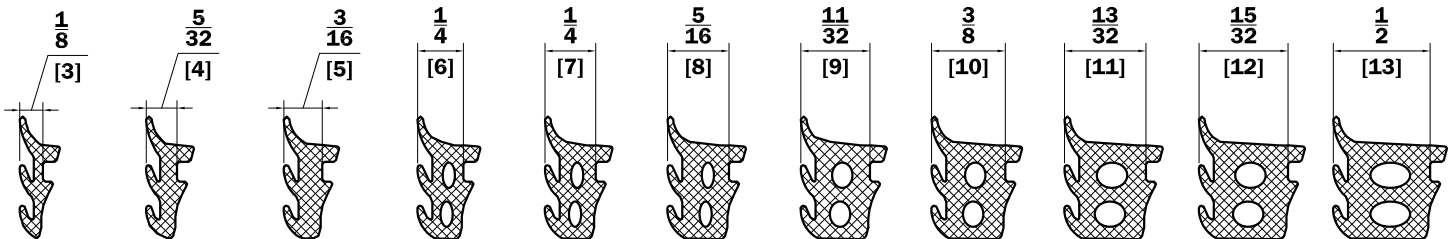
911817	Adapter Gasket
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911025	Outer Glazing Gasket 2.5mm
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Inner Glazing Gasket



913030	913040	913050	913060	913070	913080	913090	913100	913110	913120	913130
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SYSTEM MODEL:	DS 75
CAD FILE :	DS-75 cat.dwg
SCALE:	1:1
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Hardware

PRIMA QUICK-FIT HANDLE 902424

Functions

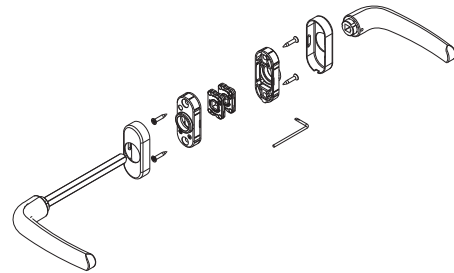
Pair of quick-fit handles with rapid fixing system, fitted on the jamb or mid-rail of doors.

Finish

RAL base – Silver, gold and bronze anodized– Special Titanium finish

Packaging

Box of 1 pair



Technical Features

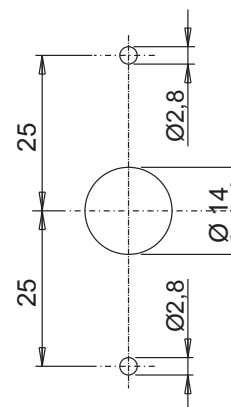
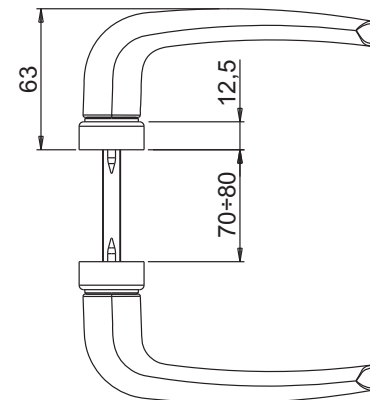
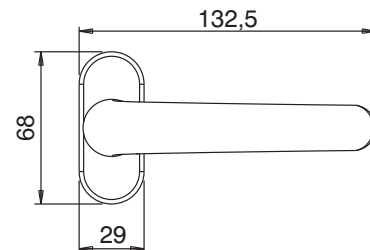
The grip with pre-assembled a solid steel square pin 8 mm with 130 mm length is designed to be fitted to the outside of the door and engages to the inside grip with the special fastening mechanism.

Prima quick-fit handle is resistant burglary, because the only way to remove it, it's possible only by loosening the special spring in the internal grip, using the supplied wrench.

The handle can be applied to profiles of width from 70 to 80 mm without cutting the pin something that is needed to do with profiles of width less than 70 mm.

Prima quick-fit handle has a special internal ambidextrous reversible mechanism, which allows the two-way operation (up/down) of the handle.

The Prima double handle has been classed in conformity with the DIN EN 1906 standard



PRIMA DOUBLE HANDLE

3 7 - 0 1 4 0 A

↑ 1 2 3 4 5 6 7 8

1. Category of use (3 = high frequency of use with a high probability of improper use (e.g. commercial use doors))
2. Durability (7=200,000 cycles)
3. Mass of the door (not required)
4. Fire resistance (0=not suitable)
5. Safety during use (1=safety applications)
6. Corrosion resistance (4=very high resistance)
7. Break-in security (0=no resistance to burglary)
8. Type of operation (A=with spring)

Parts

Wrench to remove the internal handle

Mounting instructions

Materials

Aluminium internal and external handle

Nylon oval bases

8 mm galvanized steel square pin

Aluminium covers

Galvanised steel self-tapping screws 3,5x20

Galvanised steel internal mechanisms

SYSTEM MODEL: DS 75

CAD FILE: DS-75 cat.dwg

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PRIMA HANDLE
902478
Functions

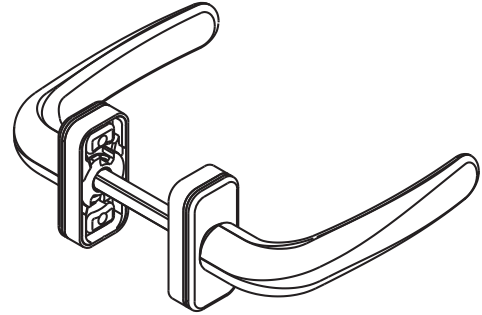
Pair of handles with stop, two handed, for mounting to the upright or central rail of the door.

Finish

Natural, paint finish in RAL colours and exclusive GIESSE cremone shades (dark brown, bronze and silver).

Packaging

Box of 20 pieces


Technical Features

Features a patented system which guarantees precise horizontal location of the handle.

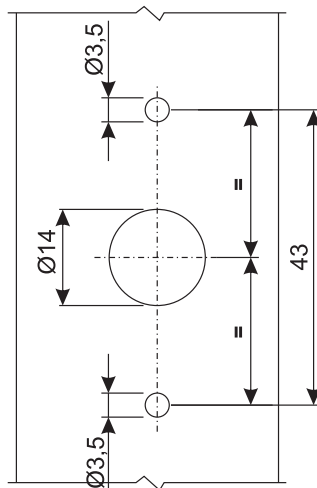
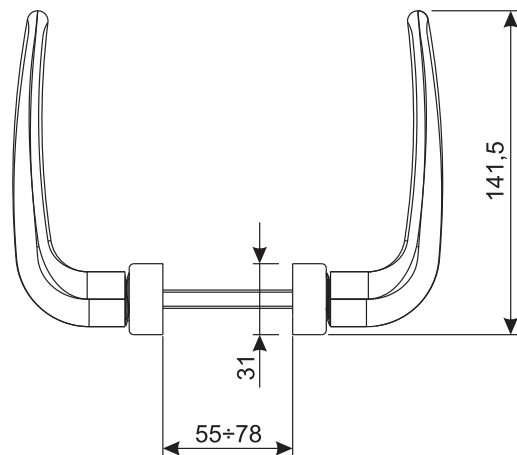
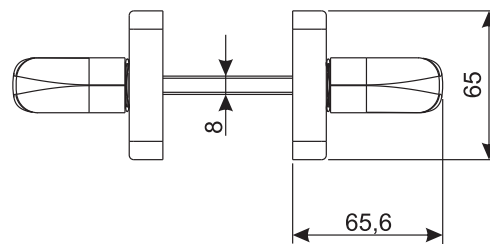
The PRIMA handle is composed of a base, screw cover, extruded aluminium sheath and rotor which, in combination with an elastic component, enables two-handed operation, stop and horizontal location.

The handle is made of die-cast aluminium and blends in seamlessly with the PRIMA cremone line.

The PRIMA handle is protected and finished with the GIESSE painting system, with its outstanding surface finish quality, uniform colours and excellent resistance to abrasion. The components are pretreated to guarantee resistance to scaling and sub-corrosion.

Materials

- Reinforced black nylon base
- Aluminium cover, sheath and handle
- Galvanised zamak rotor
- Stainless steel spring
- Galvanised steel square pin and screws


SYSTEM MODEL: DS 75
CAD FILE : DS-75 cat.dwg
SCALE : 1:1
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DOOR LOCK BACKSET 35 904628

Functions

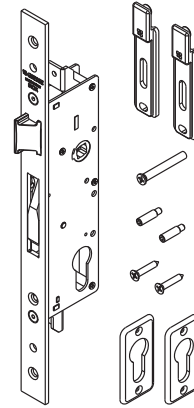
Central lock entry E 35 mm, in the insertable version for installation on aluminium uprights, with latch and pivoting deadbolt, equipped with two-way rod adapters for the realization of multi-point lockings.

Finish

Base finish

Packaging

Box of 10 pieces



Technical Features

The lock, compatible with European profile cylinders, has a tamper-proof pivoting bolt and reversible spring latch (RH or LH).

Bolt operation is by means of the cylinder.

Operation of the spring latch occurs by means of the cylinder and the 8 mm handle square pivot.

The two-way rod connection adapters supplied with the lock enable the creation of upper – lower locking in several points.

The stroke is 15.5 mm. Bolt with thickness of 10 mm and minimum protrusion of 24 mm.

Spring latch with 10 mm protrusion.

Handle - cylinder C/C distance 85 mm.

Stainless steel faceplate dimensions 300 x 22 x 3.

Galvanised internal components and concealed parts.

Pair of adapters for connection to rods with pin diameter 8 mm.

Parts

2 M4 threaded pin rod connection

2 adapters in galvanised steel for adapter fixing

1 cylinder fixing M5x39 screw in galvanised steel

2 locking fixing 3.9x25 self-tapping screws in stainless steel

2 cylinder machining cover escutcheons

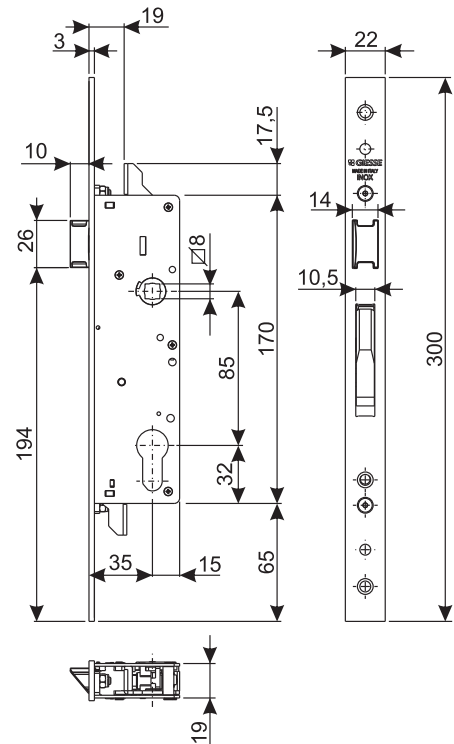
Materials

Lock cover plate and case plate in nickel-plated steel

Front in stainless steel Spring latch and bolt in galvanised-plated steel

Rod connection adapters in zamak

Cylinder machining cover escutcheons in nylon



SYSTEM MODEL: DS 75

CAD FILE: DS-75 cat.dwg

SCALE: 1:1

VER - DATE: 1 - Jun/19/14

PAGE: 75-60-13

MULTI LOCK BACKSET 45 904649

Functions

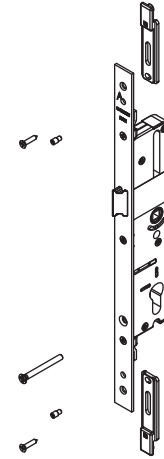
Lever Activated Terrace Door Lock 45 mm backset and 85 mm spindle-cylinder spacing.

Finish

Base finish

Packaging

Box of 5 pieces



Technical Features

Used in combination with polyamide connecting rod and special adapters (included), the lock allows for multiple locking points that can be easily varied in size, quantity, and location around the door and frame.

- compatible with European profile cylinders
- latch and adapters drive through handle
- lock and unlock of the handle by the key
- handle-spindle-center-to-cylinder-center distance is 85 mm
- flat stainless steel faceplate, 378 x 22 x 2.5 mm
- galvanized zamak reversible spring latch (right/left)
- zamak adapters for connection to polyamide rod
- galvanized steel internal and concealed components

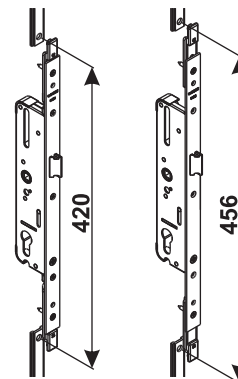
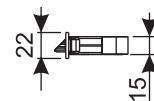
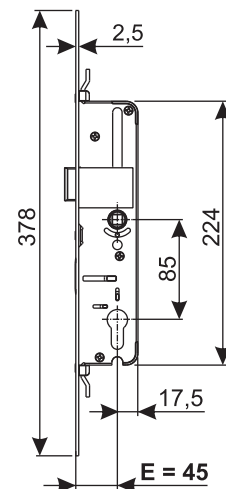
Note: A pair of handles (inside/outside) is required to operate the lock.

Parts

- n.2 rod connection blocks
- n.2 galvanized steel M4 connection pins
- n.1 cylinder fixing stainless steel screw M5x50
- n.2 galvanized steel, self threading mounting screw 3,9x19 to fit the lock
- Instruction sheets

Compatible accessories

- Adjustable faceplate for Eurogroove
- Giesse cylinders



SYSTEM MODEL: DS 75

CAD FILE: DS-75 cat.dwg

SCALE: 1:1

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MULTI LOCK BACKSET 45 904650

Functions

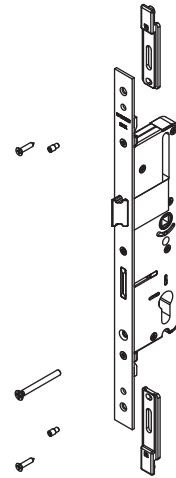
Lever Activated Terrace Door Lock with deadbolt, 45 mm backset, and 85 mm spindle-cylinder spacing.

Finish

Base finish

Packaging

Box of 5 pieces



Technical Features

Used in combination with polyamide connecting rod and special adapters (included), the lock allows for multiple locking points that can be easily varied in size, quantity, and location around the door and frame.

- compatible with European profile cylinders
- latch, bolt and adapters drive through handle
- lock and unlock of the handle by the key
- handle-spindle-center-to-cylinder-center distance is 85 mm
- flat stainless steel faceplate, 378 x 22 x 2.5 mm
- galvanized zamak deadbolt, 6 mm thick x 20 mm long
- galvanized zamak reversible spring latch (right/left)
- zamak adapters for connection to polyamide rod
- galvanized steel internal and concealed components

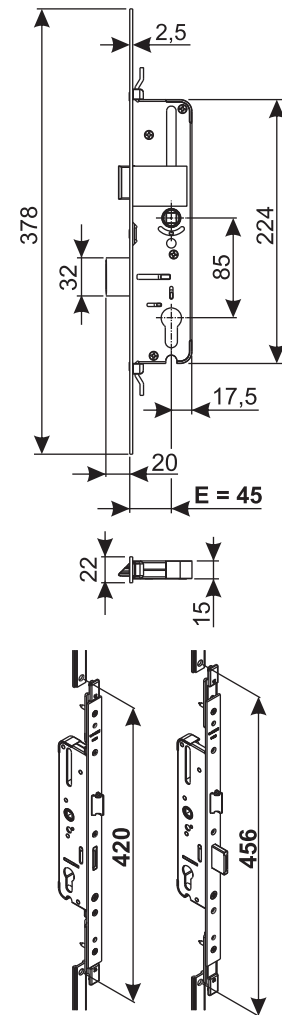
Note: A pair of handles (inside/outside) is required to operate the lock.

Parts

n.2 rod connection blocks
 n.2 galvanized steel M4 connection pins
 n.1 cylinder fixing stainless steel screw M5x50
 n.2 galvanized steel, self threading mounting screw 3,9x19 to fit the lock
 Instruction sheets

Compatible accessories

Adjustable faceplate for Eurogroove
 Giesse cylinders



SYSTEM MODEL: DS 75

CAD FILE: DS-75 cat.dwg

SCALE: 1:1

VER - DATE: 1 - Jun/19/14

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CYLINDER WITH THUMBTURN 907678

Functions

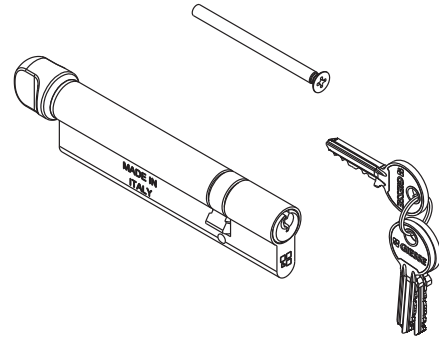
European profile double cylinder 31/91, key/thumbturn

Finish

Nickel plating, satin nickel color

Packaging

Box of 10 pcs

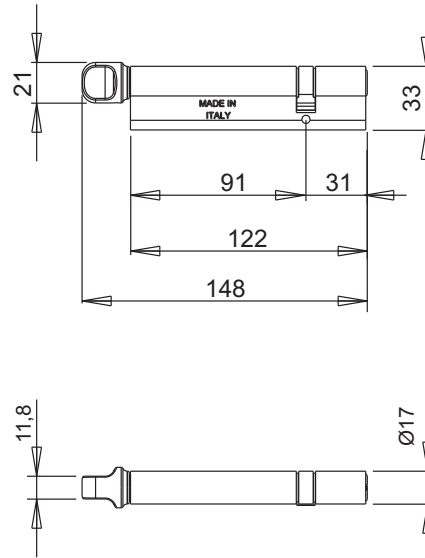


Technical Features

- 5 PINS (around 5.000 different combinations)
- nickel-plated brass body
- nickel-plated plug
- sintered steel projecting cam, DIN-compatible
- brass pins and drivers
- stainless steel springs
- nickel-plated brass keys
- 0,5 mm depth
- nickel-plated brass thumbturn

Parts

3 keys with ring
flat head fixing screw M5x70



SYSTEM MODEL: DS 75

CAD FILE : DS-75 cat.dwg

SCALE : 1:1

VER - DATE: 1 - Jun/19/14

PAGE : 75-60-16

CYLINDER WITH THUMBTURN 907679
Functions

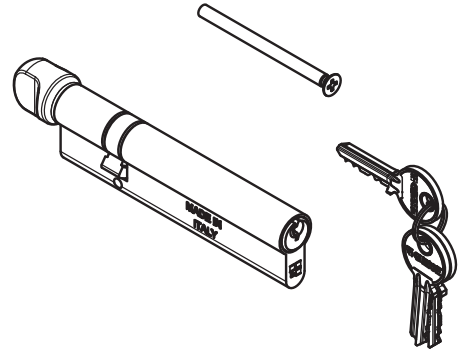
European profile cylinder 91/31, key/thumbturn

Finish

Nickel plating, satin nickel color

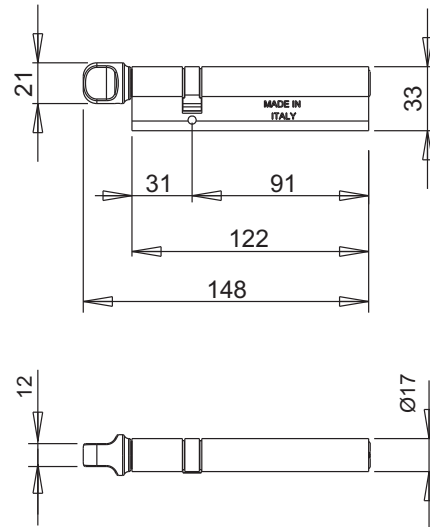
Packaging

Box of 10 pcs


Technical Features

- 5 pins (around 5.000 different combinations)
- nickel-plated brass body
- nickel-plated plug
- sintered steel projecting cam, DIN-compatible
- brass pins and drivers
- stainless steel springs
- nickel-plated brass keys
- 0,5 mm depth
- nickel-plated brass thumbturn

Parts

 3 keys with ring
 flat head fixing screw M5x70

SYSTEM MODEL: DS 75
CAD FILE : DS-75 cat.dwg
SCALE : 1:1
VER - DATE: 1 - Jun/19/14
PAGE : 75-60-17

DOUBLE CYLINDER
907689
Functions

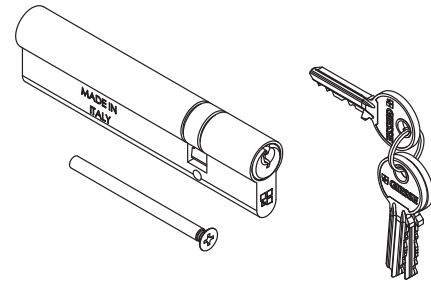
European profile cylinder 31/91.

Finish

Nickel plating, satin nickel color

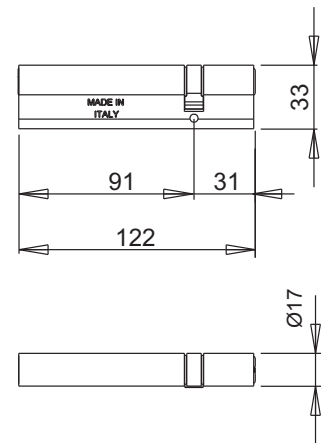
Packaging

Box of 10 pcs


Technical Features

- 5 PINS (around 5.000 different combinations)
- nickel-plated brass body
- nickel-plated plug
- sintered steel projecting cam, DIN-compatible
- brass pins and drivers
- stainless steel springs
- nickel-plated brass keys
- 0,5 mm depth

Parts

 3 keys with ring
 flat head fixing screw M5x70

SYSTEM MODEL: DS 75
CAD FILE : DS-75 cat.dwg
SCALE : 1:1
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CYLINDER COVER 902430
Functions

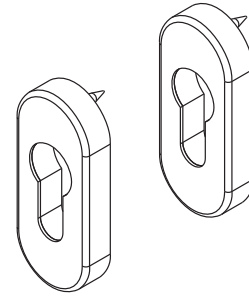
Cylinder cover with European shape

Finish

RAL base – Silver, gold and bronze anodized– Special Titanium finish

Packaging

Box of 10 set


Technical features

The set is composed by a nylon base, an aluminium cover and the self tapping screw.

The nylon base is fixed to the profile self-tapping screws.

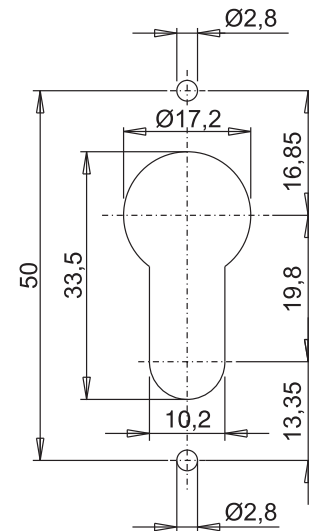
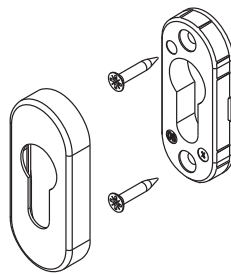
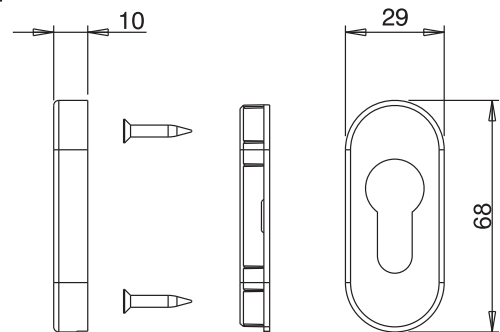
The aluminium cover is then snap-fitted on the nylon base.

Materials

Nylon base

Aluminium covers

Self tapping galvanized screws 3,5x20



SYSTEM MODEL: DS 75

CAD FILE: DS-75 cat.dwg

SCALE: 1:1

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DOORS HINGE FLASH XXL 900598

Functions

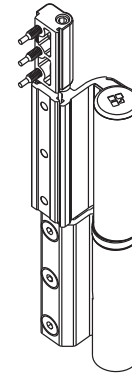
Hinge for heavy-duty doors made with a window profile. The profile is fastened by means of plates to be inserted as for conventional hinges for windows.

Finish

Elettrogiesse 9

Packaging

Box of 20 pieces



Technical Features

Clamp hinge designed for making large, heavy-duty doors with intensive use (special frames) that require high performance. Assembly to the profile is done by means of conventional plates to be inserted.

The hinge on the sash side is secured to the profile with 3 self-drilling screws M4,8x26 passing through the hinge body (fig. 1). The bearing between the hinge body on the wing side and the hinge body on the sash side ensures the door slides with the greatest ease even in particularly harsh working conditions due to heavy loads.

The hinge pin, which can be entirely or partly extracted, provides three different methods of fitting the wing onto the sash:

1. without extracting the pin, by lifting the wing
2. partially extracting the wing as far as the reference mark (fig. 3) when there is little room for manoeuvre
3. fully extracting the pin, making the wing slide on the floor and moving it next to the door panelling, in the case of particularly heavy wings.

Total or partial pin extraction is only possible after removing the grub screw (fig. 4) with the wing open (tamper-proof feature).

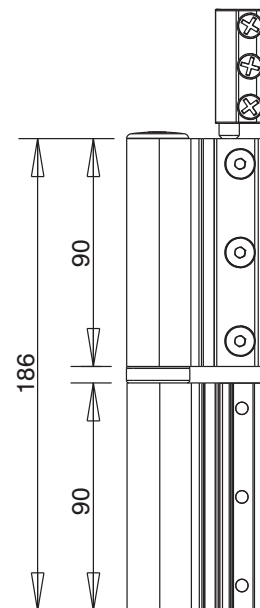
FLASH XXL is adjustable sideways and vertically with the door installed, which is an especially important feature for heavy doors.

The side adjustment (+/-1 mm) is made by turning the eccentric bush in the hinge on the wing side with the special key 03900.

The height adjustment (-2/+4 mm) is made by means of the plate secured to the wing by the hinge on the wing side with 3 self-drilling screws M4,8x26.

The wing is raised by adjusting the grub-screw using a 4 mm Allen key.

FLASH XXL has a special pre-loading plate that, set in the channel on the wing side by the lower hinge, forces the door to tilt sideways in the opposite direction to its natural fall and ensures alignment



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between the wing and sash even under conditions with a particularly high load.

The pre-loading plate has two different pre-loads, which are identifiable with the markings on the plate, of 1,4 mm (reference 1,4) for the lower hinge and 0,7 mm (reference 0,7) for a middle hinge (fig. 5).

On completing side adjustment the plug is never eccentric to the hinge. The lower portion of the pin has an M6 threaded hole to accommodate a trade screw, when needed, to permit extracting the pin with the wing installed, with the aid of pliers.

The hinge is equipped with an aluminium cover for the hinge on the wing side and the hinge on the sash side (art. 00599).

Parts

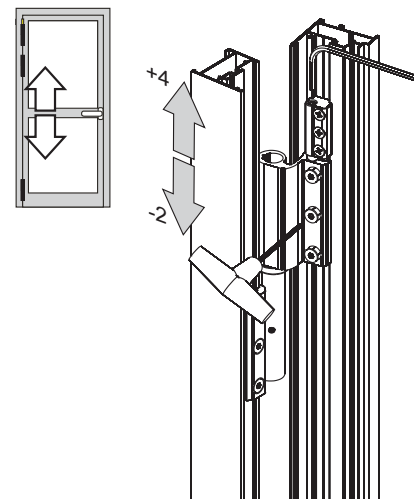
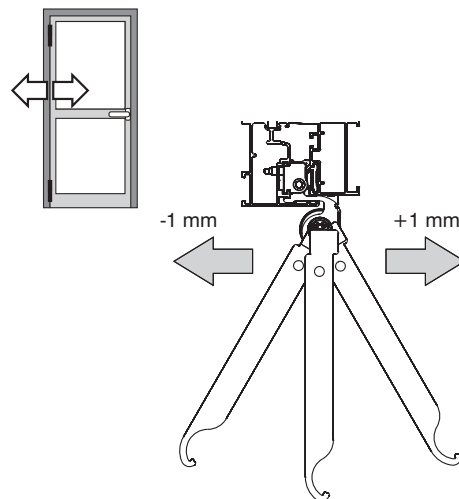
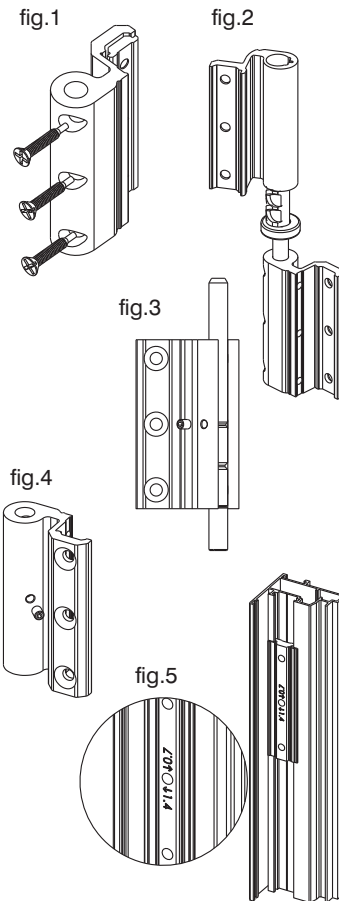
- 1 fixing plate for hinge on wing side
- 2 fixing plates for hinge on sash side
- 1 special pre-loading plate
- 1 height adjustment plate
- 12 hex screws M6x12 UNI 5933
- 9 special self-tapping screws M4.8x26
- Instructions sheet

Materials

- Extruded aluminium hinge with elettrogiessio 9 finishing
- Fixing plates in extruded aluminium
- Height adjustment plate in die-cast zamak
- Steel bearing
- Stainless steel pin, screws and grub screw fastening pin
- Height adjustment plate grub screw in galvanized steel
- Acetylic resin bush
- Nylon plug

Capacity

- Max load capacity of 160 kg tested in conformity with the EN1935:2002 standard.
- CE marking in class 14.



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FLASH XXL HINGE COVER
900599
Functions

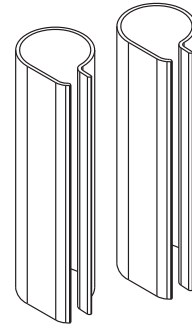
Hinge cover for FLASH XXL heavy-duty doors to customize the hinge according to customer requirements.
Applying the cover after installation avoids damaging the visible components of the hinge during assembly, transport and installation.

Finish

Giesse Base Primer 005 finishing, Ox. silver, gold, bronze, Elettrogiesse 5/9, painted with RAL colours

Packaging

Box of 20 kits (10 sash hinge covers + 10 frame hinge covers)


Technical Features

The cover of the FLASH XXL hinge comprises an element for the hinge on the wing side and an element for the hinge on the sash side.

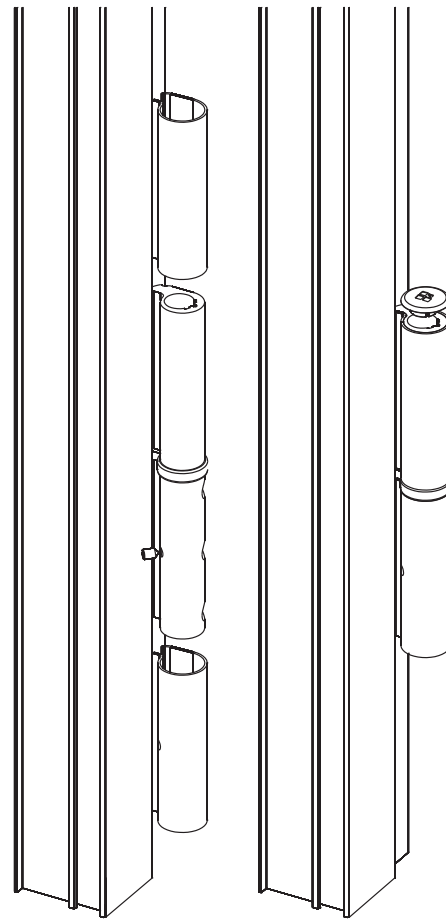
The cover on the wing side is fixed to the hinge by means of the upper plug of the hinge, which keeps it in position.

The cover on the sash side is kept in position by the grub screw holding the pin of the hinge.

The cover is also available in the Giesse Base Primer version.
This surface treatment protects the components by giving them great corrosion resistance and it provides a base suited for subsequent painting.

Materials

Extruded aluminium

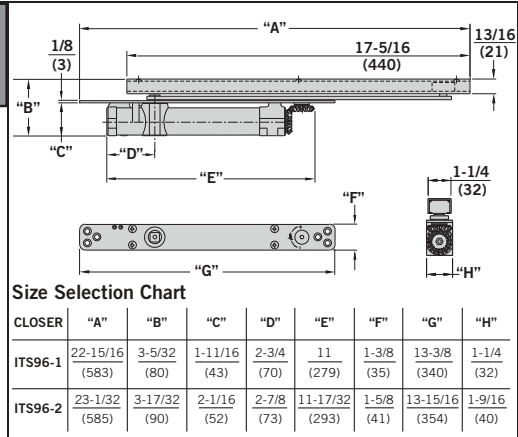

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**CONCEALED DOOR CLOSER 909613
909625**

Concealed door closer for terrace doors.

Finish: Clear Anodize

Packing: 1pc./box



DORMA's ITS96 offers the optimum solution for applications requiring concealed door controls.

The unique cam and roller technology meets the challenge of providing the operation and features necessary in a compact design. The ITS96 is suited for virtually any door and frame combination in a variety of leaf thickness and configurations.

Technical Details:

- Efficient cam and roller design.
- Rapid decrease in opening force makes doors easy to open, yet provides maximum closing force at the latch.
- Suitable for aluminum doors.
- ITS96-1: Max doors width up to 43"/220 lb
- ITS96-2: Max doors width up to 55"/396 lb
- Invisible when door is closed.
- Adjustable spring force size for 96-1 is 1-3(lb*f) and for 96-2 is 2-5(lb*f). Adjustable with unit installed.
- Opening force 5 lb or less for ITS96-1 on interior doors where door without closer attached is 1 lb opening force or less.
- Sweep and latch valve adjustment easily accessible after installation.
- Optional hold open adjustable between 80° and 120°.
- Maximum door opening approximately 130°.
- Cushioned stop position adjustable between 80°-130° (separate limiting stop required for doors in abusive conditions).

Certification:The DORMA ITS96-1 and ITS96-2 are listed by U.L. and C.U.L. under their continuing re inspection programs. Meets the requirements for UL10C and UBC 7.2 (1997) for positive pressure. California State Fire Marshall (CSFM) approved.TheITS96-1 meets the requirements of ANSI A117.1 and ADA for barrier-free accessibility.

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DOOR CLOSER	909356
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Door closer for Commercial doors.
 Finish:
 Standard Sprayed Finishes
 Aluminum: 689. .Bronze: 691 (Dull), 690 (Statuary),
 or 695 (Dark Duranodic).
 Gold: 696 (Satin). Black: 693. Primed: 600.

Packing: 1pc./box



Technical Details

Available as TS9315 closers for interior and exterior barrier-free requirements (adjustable size 1–5). Available as TS9356 closers for greater closing force for exceptionally wide, tall, or heavy doors (size 5–6 +50% adjustment). Adjustable back check prevents uncontrolled opening of door. Adjustable delayed action extends the closing cycle to allow unobstructed passage through opening. Optional hold open, adjustable for degree of hold open and hold open force. Hold open is selectable on or off. SN3 sex nuts supplied standard for 1-3/4" thick door. Optional (CS) cushion limit stay for standard (T/PT) applications to assist slowing door in opening cycle (auxiliary stop required by others).

•Max doors width up to 49"/350 lb

Certification:

The DORMA TS9315/TS9356 Series are listed by UL and CUL under their continuing reinspection programs. TS9315/TS9356 Series are certified to the requirements of ANSI/BHMA A156.4 Grade 1. The TS93 is UL 10C listed for positive pressure. The TS9315 meets the requirements of ANSI/HMA A117.1 and ADA for barrier-free accessibility. California State Fire Marshall Approved (CSFM).

Specification

The TS93 System in Contur. Design hydraulic surface applied loser with steel cam, roller, and adjustable spring, incorporating a track arm assembly. The TS93 will have two separate temperature compensating, noncritical adjustment valves to control sweep and latch closing speeds. Adjustable back check will take effect at approximately 65°. Adjustable hydraulic delayed action will be effective from approximately 120° to approximately 70°. The TS9315 will be available with field-Adjustable spring power from size 1 to 5 for barrier-free requirements. The TS9356 will be adjustable from size 5 to 6 with 50% adjustment. Maximum Opening range will be approximately 175° for (T) and 110° for (ST) pull side installations and 110° for (PT/SPT) push side installations. Install the TS93 closer body on the door and the track arm assembly on the stop surface with the supplied bracket for push side (PT) applications. The TS93 will be non-handed.

Optional Specifications:

All TS93 closers to have hold open, adjustable for degree of hold open and hold open force. All TS93 closers to have optional heavy-duty spring stop track arms to assist stopping the door in the opening cycle. Degree of stop to be field selectable.

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ADJUSTABLE SINGLE STRIKER
901347
Functions

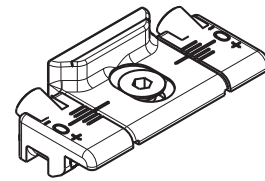
Element that works with the connection joints and the pawls present on bolt tips, corner drives, connection devices, cremone drivers and connection rods, with the function of locking point.

Finish

Base finish

Packaging

Box of 200 pieces

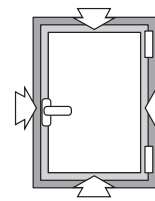
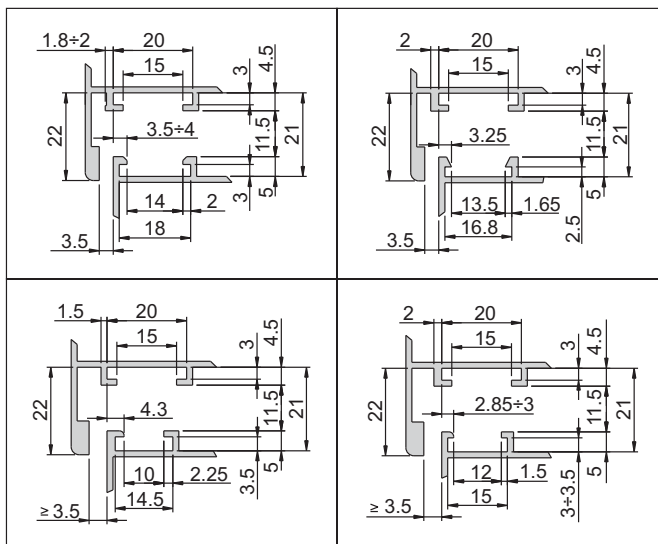
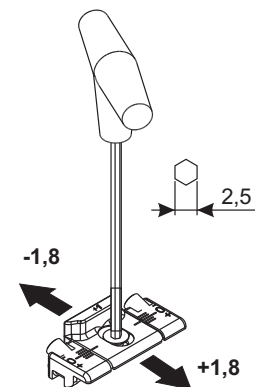
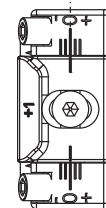

Technical Features

The closing function is carried out by means of the central element that works with the pawl during the closing phase of the hardware. This element is adjustable $\pm 1,8$ mm, by turning the provided screw; the securing on the frame is carried out by means of the two pre-assembled grub-screws.

Materials

GS SILVER PLUS Zamak striker

Steel screws and grub screws


 $\pm 1,8$

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FIXED CONNECTING JOINT MX-MX
904047
Functions

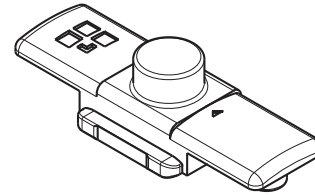
Fixed connection joint, to be coupled to the adjustable striker, necessary to create a locking point.

Finish

Base finish

Packaging

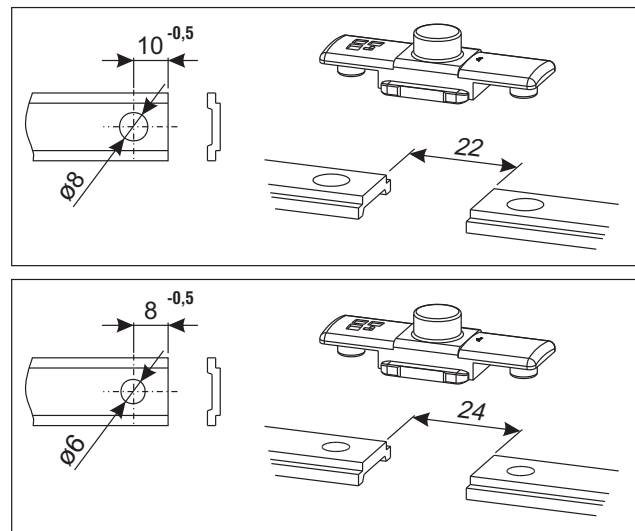
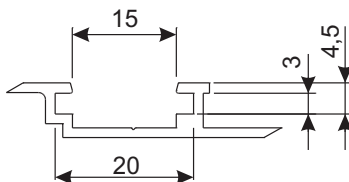
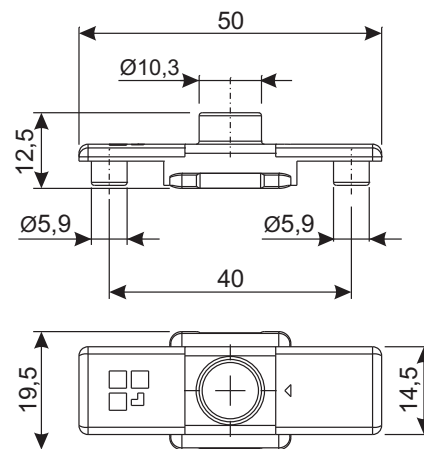
Box of 200 pieces


Technical Features

The connection joint can be fitted at the end of a connection rod or to couple two connection rods. In both cases, coupled to an adjustable striker, it creates a locking point.

Materials

SILVER PLUS GS zamak connecting element


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CORNER DRIVE
904019
Functions

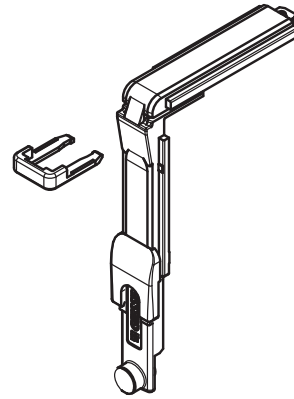
Element for transmission of movement of the hardware on the cremone side to the upper and/or lower cross beam.

Finish

Base finish

Packaging

Box of 10 pieces

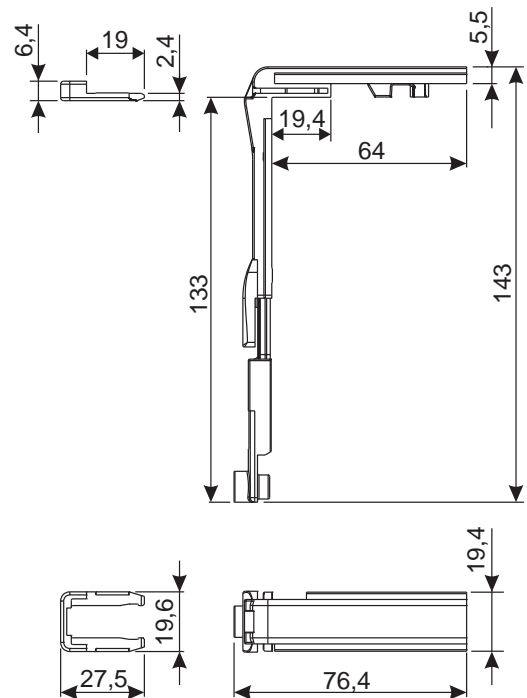

Technical Features

Left/right reversible and equipped with a fixed pawl for creating a lock point in combination with the adjustable striker, on the cremone side or cross beam side, depending on how the drive is to be positioned.

It is secured using a hooking clip enabling quick and easy fixing without having to machine the profile and without screws. It snaps on and is removed using a screwdriver.

Materials

SILVER PLUS GS Zamak body and clip
Stainless steel plates


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REX CORNER JOINT
900353
Functions

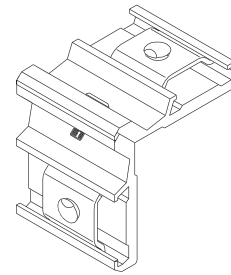
Snap-fit joining element for corner connection of aluminium profiles.

Finish

Base finish

Packaging

Box of 250 pieces


Technical Features

 Corner joint with external buttons $\varnothing 10$ mm.

The two spring-loaded buttons enable quick and secure assembly of the corner joints.

The closing screw ensures quick joining of the parts.

Specific for joining profiles with 45° end cut.

Materials

Extruded aluminium

Galvanised steel screw and buttons

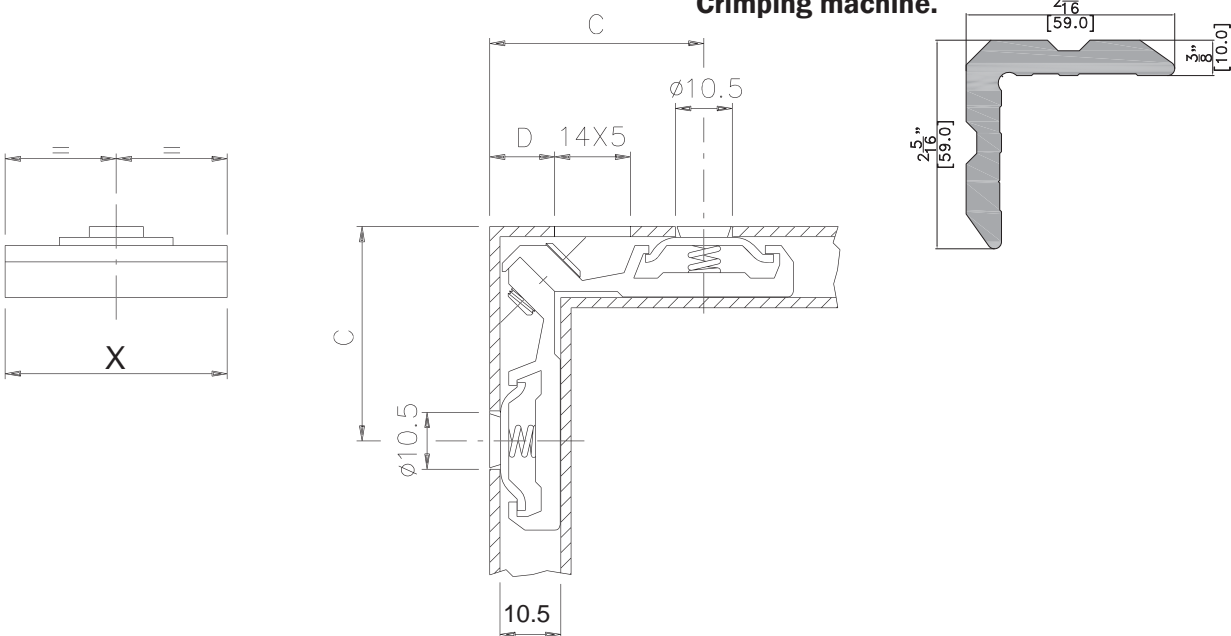
Springs in hardened steel

Capacity/Certificated/etc(-NP-)

Capacity description Capacity description Capacity description

Profile	Corner Cleat	Extruded*	X (mm)	h (mm)
753601	900353	900002	19.5	10
753603	900353	900002	19.5	10
753604	900353	900002	19.5	10
754504	900353	900002	19.5	10

*** 900002 is an extruded profile.
Can be cut to any required width,
but must be connected with a
Crimping machine.**


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KAMEL CORNER JOINT
9003XX
Functions

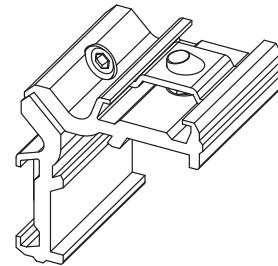
Clip-on corner joint for aluminium profile sections.

Finish

Natural

Packaging

Box of 100 pieces


Technical Features

 Corner joint with external buttons ($\text{Ø}10 \text{ mm}$).

The two buttons are fitted with a spring for rapid and secure joint assembly.

The lock screw facilitates rapid joining of the parts to be assembled.

 Specifically designed to join 45° angle profile sections.

Parts

M5x13.5 oval-headed screw

Materials

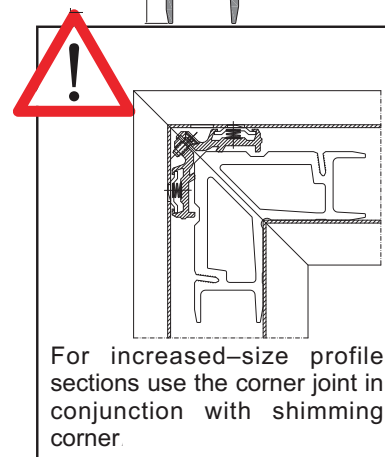
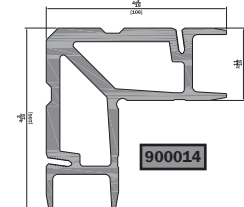
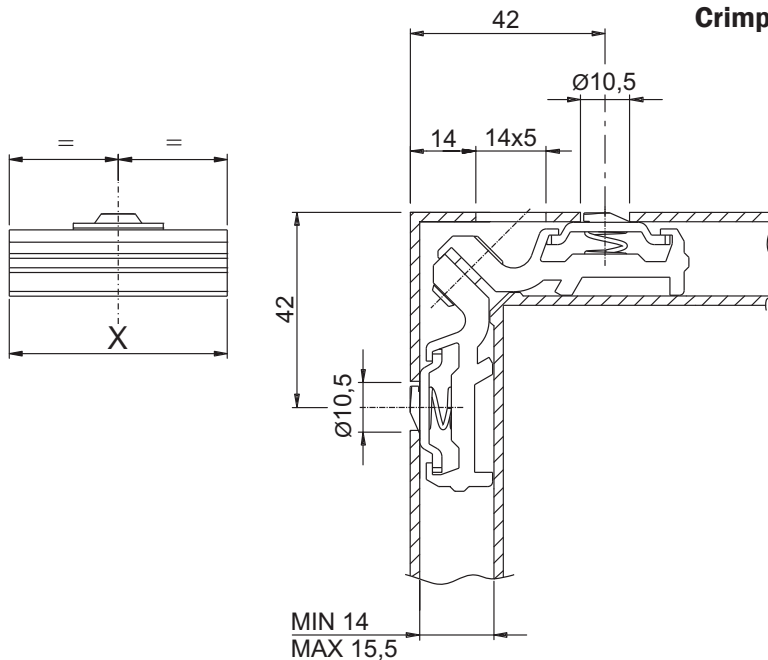
Extruded aluminium

Galvanised steel screw and buttons.

Tempered steel springs.

Profile	Corner Cleat	Extruded*	X (mm)	h (mm)
758701	900341	900006	36	14
751081	900341	900006	36	14
Need to	add corners 900014			

*** 900006/14 are extruded profiles.
Can be cut to any required width,
but must be connected with a
Crimping machine.**


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