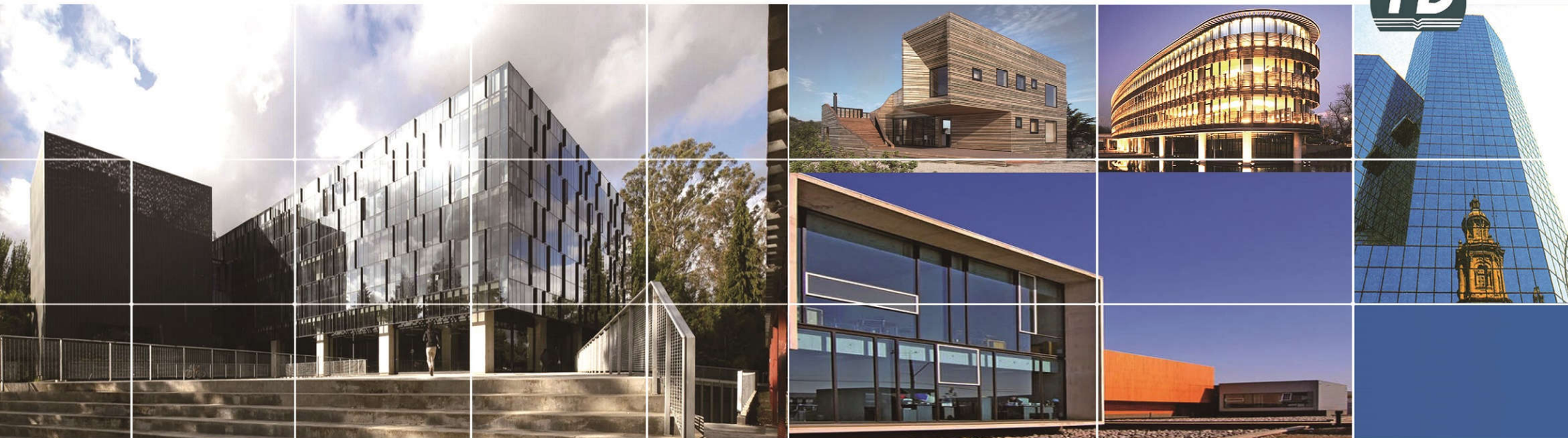




SHANDONG SAINTY ALUMINIUM LIMITED  
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Tel-Africa: +22 07903495  
E-mail : info@staluminum.com (For Pre-sale)

Foldable Door

Hang Door

High Rise Railing



HIGH RISE ALUMINIUM WINDOW SERIES SOLUTION

# MATERIAL

## ■ ALLOYS

### ● Alloy Composition

Aluminum Grade	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Impurity	Al
6063	0.2-0.6	<0.35	<0.1	<0.1	0.45-0.9	<0.1	<0.1	<0.1	<0.15	Rest
6063A	0.3-0.6	0.15-0.35	<0.1	<0.1	0.6-0.9	<0.05	<0.15	<0.1	<0.15	Rest
6061	0.4-0.8	0.7	0.15-0.4	<0.15	0.8-1.2	0.04-0.35	<0.25	<0.15	<0.15	Rest
LTF21	<0.6	<0.7	<0.2	1.0-1.5	<0.05		<0.1	<0.15	<0.1	Rest
6005	0.6-0.9	<0.35	<0.1	<0.1	0.4-0.9	0.1	<0.1	<0.1	<0.15	Rest

### ● Typical mechanical properties for aluminum profile

Aluminum Grade	Temper	Wall Thickness	Resist Pull Point(Mpa)	Stretch (Rpo.2 Mpa)	Stretch Rate	Webster Hardness
6063	T5	All	160	110	8	8
	T6	All	205	180	8	
6063A	T5	=<10	200	160	5	10
	T6	>10	230	190	5	
6061	T4	All	180	110	16	
	T6	All	265	245	8	
LTF21	O,H112	All	=<185	260	16	
6005	T5	=<3.2	260	240	8	
		>3.2-25	260	240	10	

QC Team Trained By SGS Process

# MATERIAL

## ■ PERFORMANCE

- Anodized Surface Colors (Silver, Black, Champagne, Bronze,Gold)

Alloy Grade	Standard	Thickness(μm)	Corrosion Resistance	Abrasive Resistance
6063/6061 6060/6463	GB5237	AA10,AA,15, AA20,AA25	≥9	≥300

- Powder Coated Surface Colors (RAL Code based)

Alloy Grade	Standard	Thickness(μm)	Corrosion Resistance	Abrasive Resistance
6063/6061 6060/6463	GB5237-2011	≥40	≥9.5	A≥3300 B≥3000 C≥2400

- Polishing Surface colors(Mirror, Black, Champagne, Bronze, Gold)

### Alloy Corresponds to the following standard designations and specifications

AA6063	Al Mg0.7Si
GS10	AlMgSi0.5
A-GS	3.32206
ASTM B210	ASTM B221
ASTM B241 (Pipe- Seamless)	ASTM B345 (Pipe- Seamless)
ASTM B361	ASTM B429
ASTM B483	ASTM B491
MIL G-18014	MIL G-18015
MIL P-25995	MIL W-85
QQ A-200/9	SAE J454

Test Hardness,Flatness,Twist,Color Thickness,Assembling For Each Lot Cargo



# EXTRUDE

## ■ EQUIPMENT



35 Extruded Production  
Italy Vertical Powder coating  
12 Different Anodised Colour  
Moulds over for 30 countries

SGS Certificated  
ISO9001 Certificated



# PROFESSIONAL

## ■ CNC MACHINING

45,90 Degree Cutting  
Drilling Holes  
Stamping Holes  
Tapping screw holes  
Polishing surface  
Colouring after machining

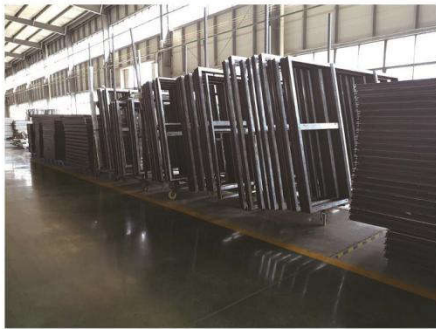


Solar Frame Cutting And produce  
Ladder Frame Cutting

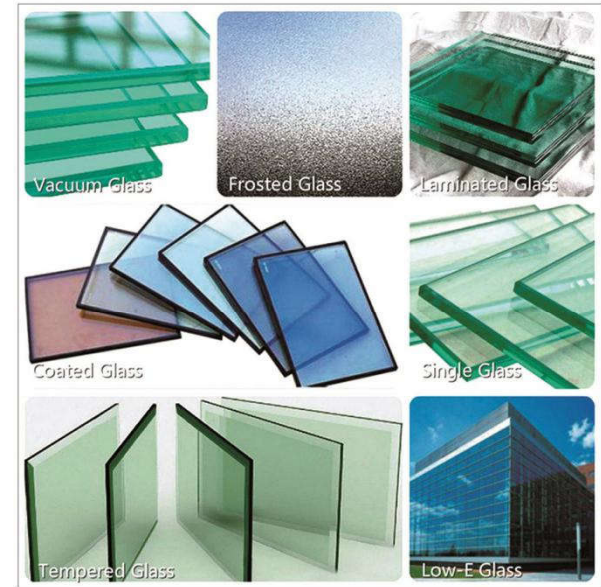




# FACTORY SHOW



# GLASS&ACCORRIESS





# WINDOW&DOOR DESIGNS PART 1



Sliding window



Casement window(50-70-100)



Folding window



Hanging window



Swing window



Folding door



Kitchen hanging window



Kitchen sliding door



Integrated doors and windows



Integrated curtain wall and windows



Commercial storefront



Integrated curtain wall and door

# WINDOW&DOOR DESIGNS PART 2



Window with screen



Door with screen



Double glass door with louvers inside



Fixed shutter



Balcony railing



Wood aluminum series



Aluminum sunroom for swimming pool



The Long Corridor



Sky window



Window with louver



The curtain wall



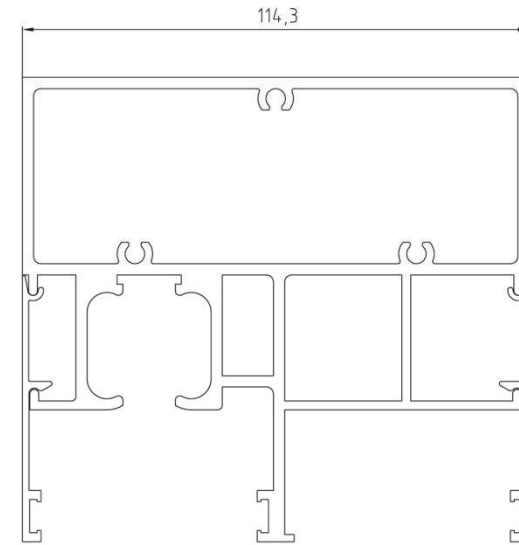
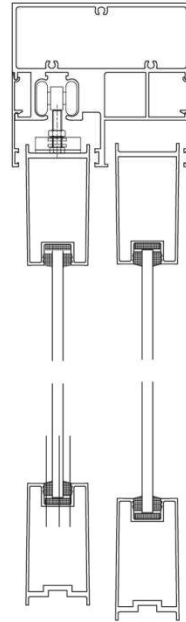
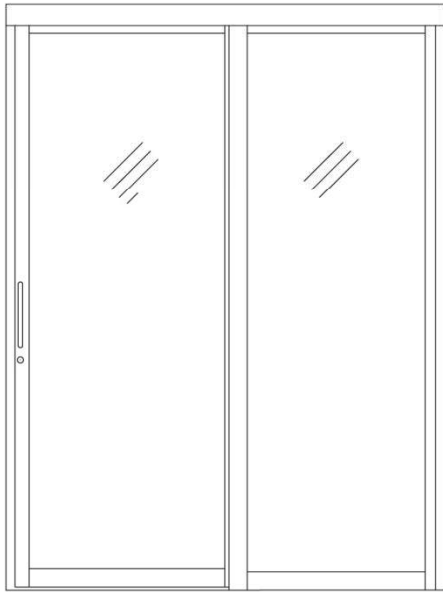
Topless Glass Deck Railing



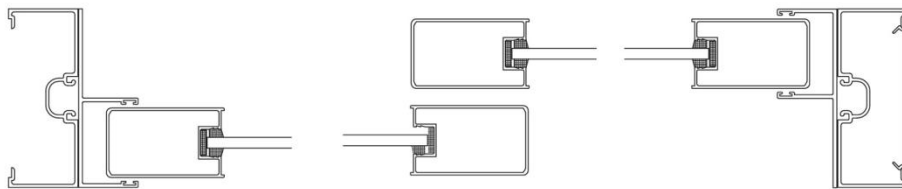
# Designs

## ■ CATALOGUE

- 1、 Company Introduction
- 2、 Extrude Equipment Details
- 3、 CNC Machining Details
- 4、 Material Alloy,Standards
- 5、 Material Performance
- 6、 Hang Door Series ..... Page1~Page 4
- 7、 Foldable Door 90 Series ..... Page5~Page 11
- 8、 Foldable Door 60 Series ..... Page12~Page 16
- 9、 Partition Series ..... Page 17~Page 24
- 10、 High Rise Window Series ..... Page 25~Page 29
- 11、 High Rise Railing Series ..... Page 30~Page 33
- 12、 Curtain Wall Series ..... Page 34~Page 45



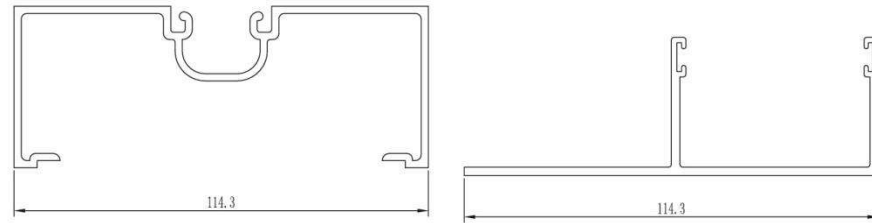
Dwg NO.	Thickness (mm)	Weight (kg/m)
F090	2.55	4.192



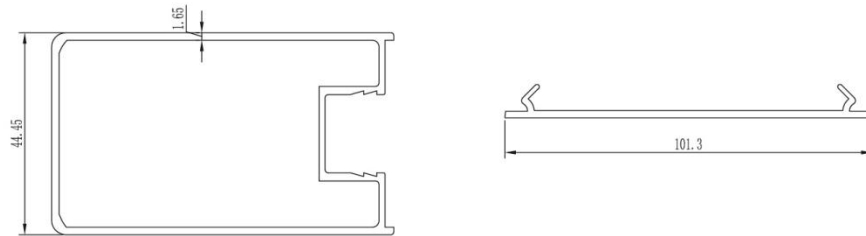
Dwg NO.	Thickness (mm)	Weight (kg/m)
F092A	1.5	1.398

Dwg NO.	Thickness (mm)	Weight (kg/m)
F092	1.5	1.4

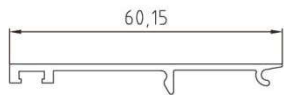




Dwg NO.	Thickness (mm)	Weight (kg/m)	Dwg NO.	Thickness (mm)	Weight (kg/m)
F087	2.0	1.464	F086	2.35	1.193

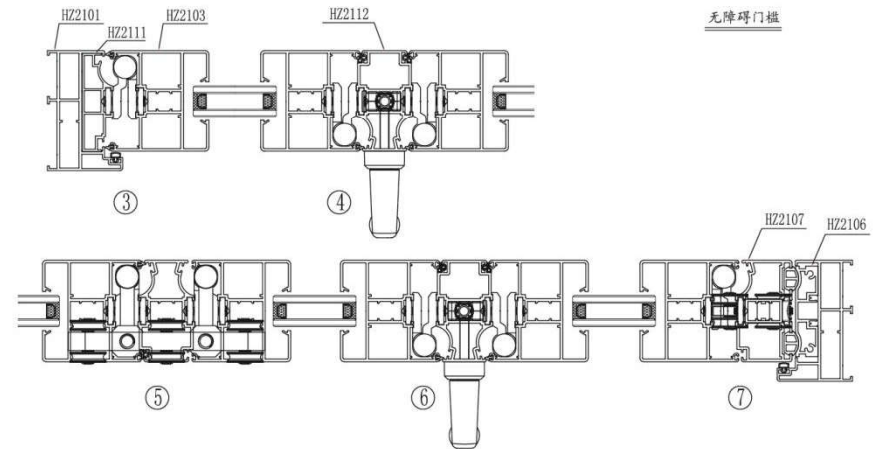
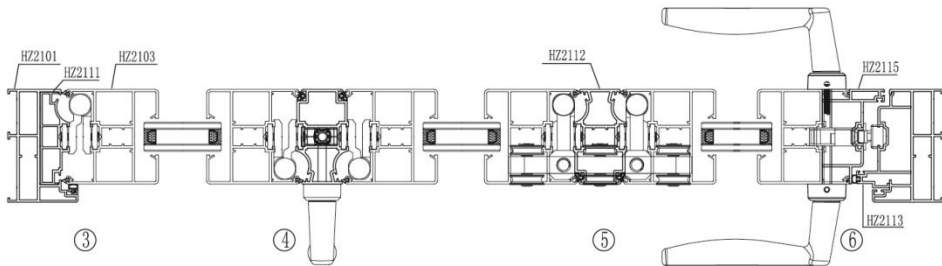
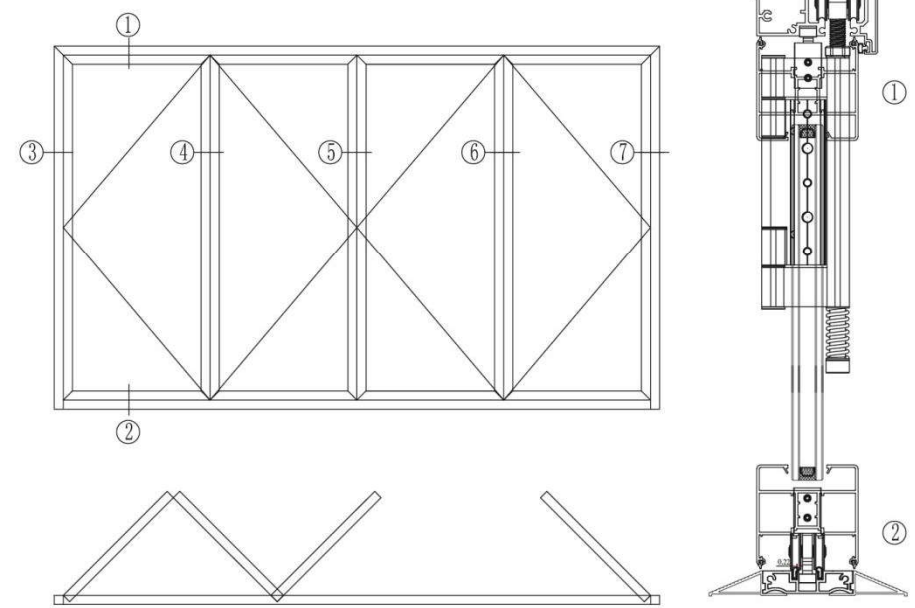
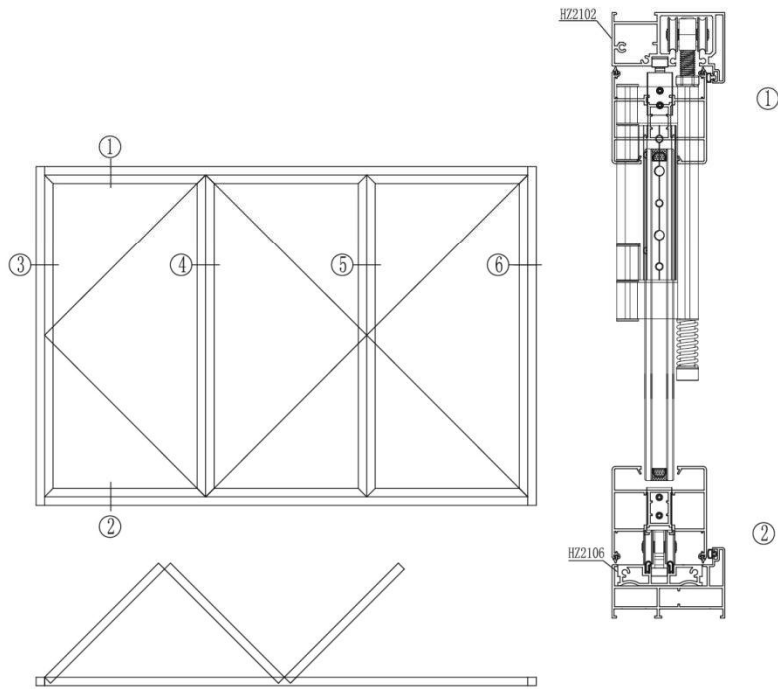


Dwg NO.	Thickness (mm)	Weight (kg/m)	Dwg NO.	Thickness (mm)	Weight (kg/m)
F089	1.65	1.314	F088	1.0	0.756

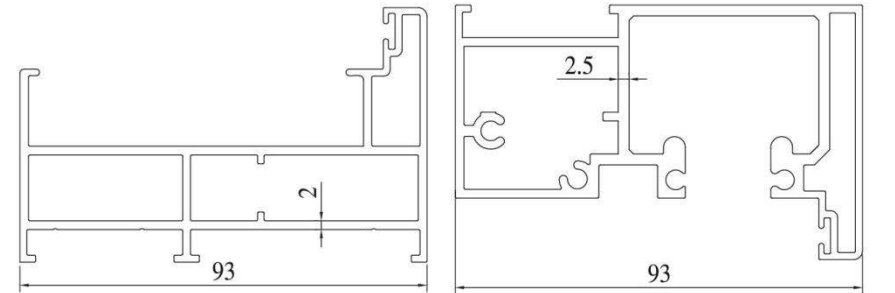
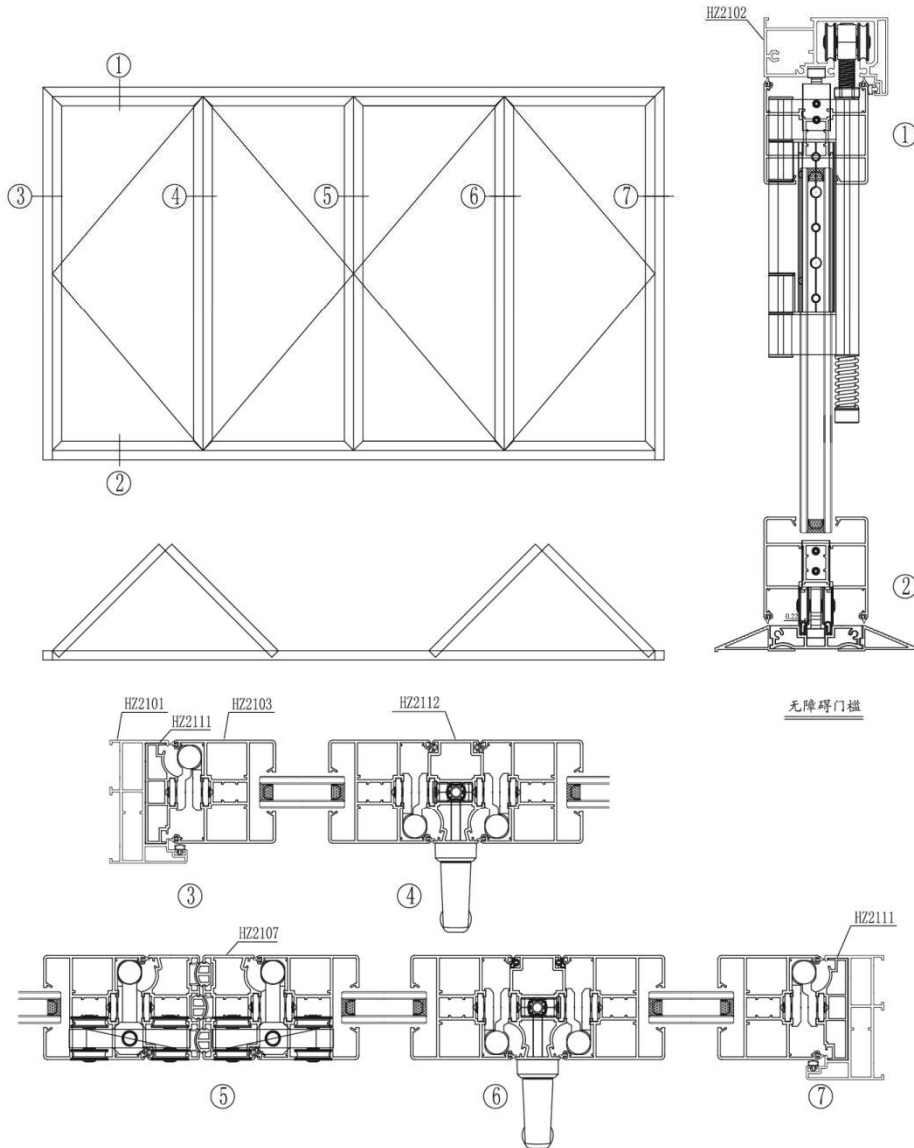


Dwg NO.	Thickness (mm)	Weight (kg/m)
F093	1.5	0.306



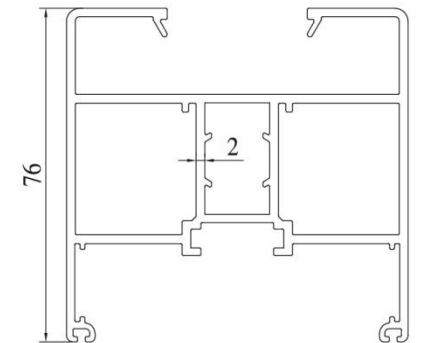






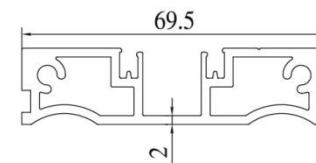
Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2101	2.0	1.871

Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2102	2.5	2.484

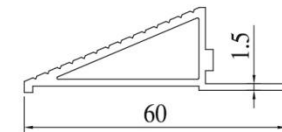


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HZ2103	2.0	2.328

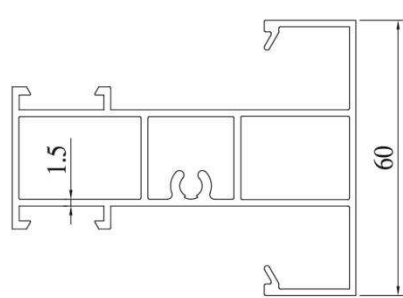
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HZ2104	2.0	2.159



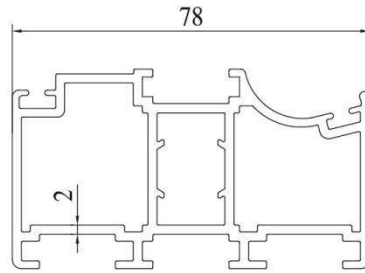
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HZ2106	2.0	1.217



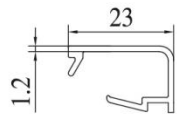
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HZ2108	1.5	0.549



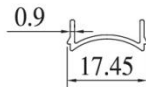
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HZ2105	1.5	1.411



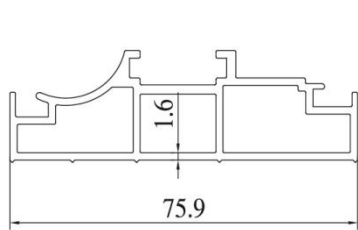
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HZ2107	2.0	1.896



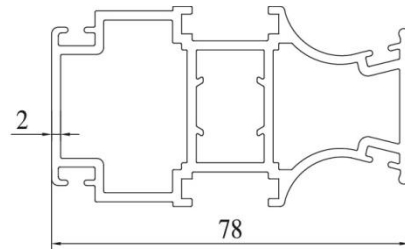
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HZ2109	1.2	0.191



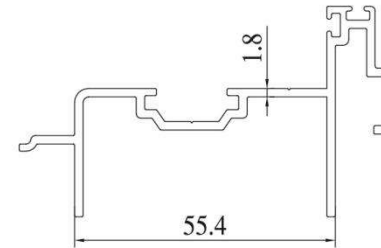
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HZ2110	0.9	0.073



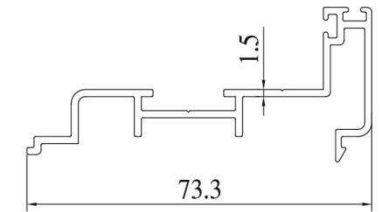
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HZ2111	1.6	1.055



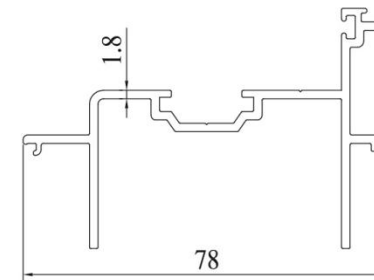
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HZ2112	2.0	1.821



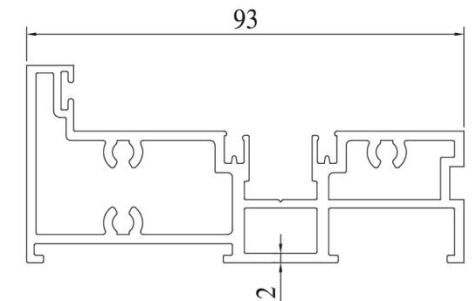
Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2113	1.8	0.938



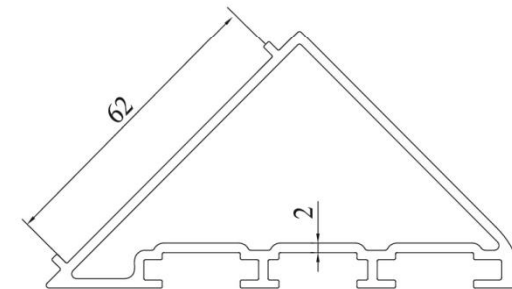
Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2114	1.5	0.668



Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2115	1.8	1.039



Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2117	2.0	2.008



Dwg NO.	Thickness (mm)	Weight (kg/m)
HZ2116	2.0	1.601





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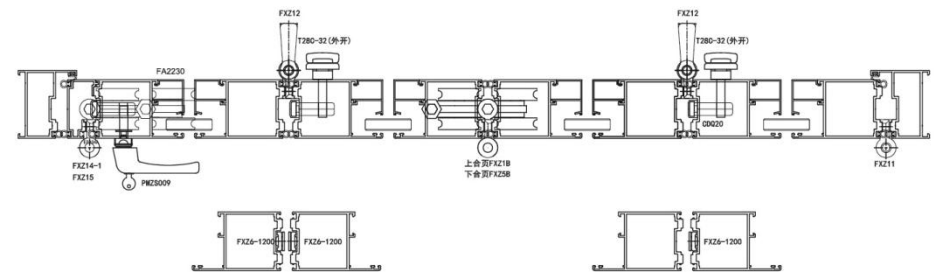
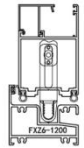
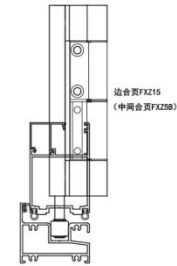
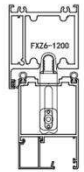
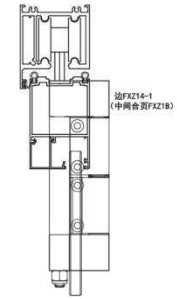
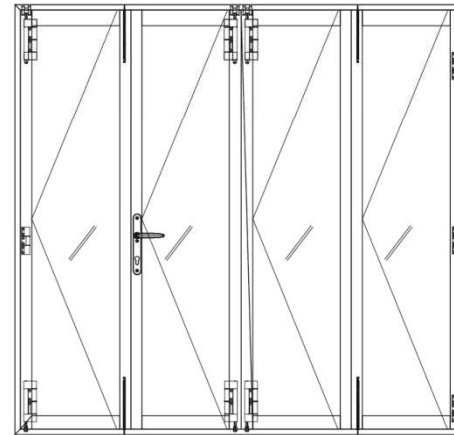
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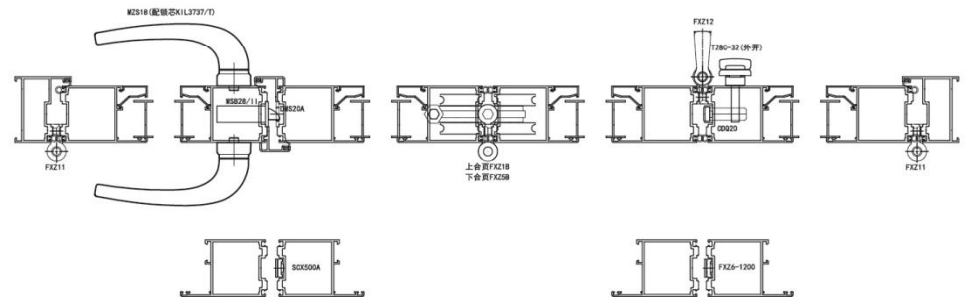
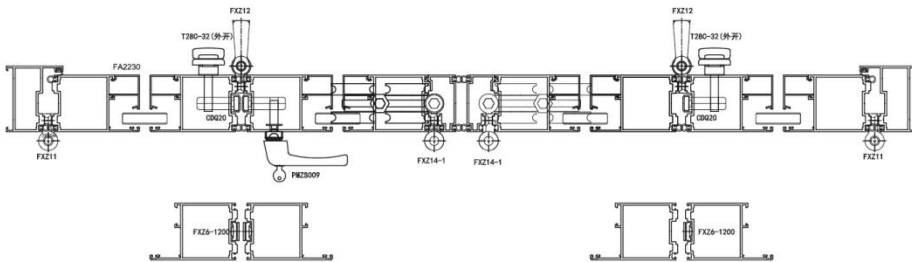
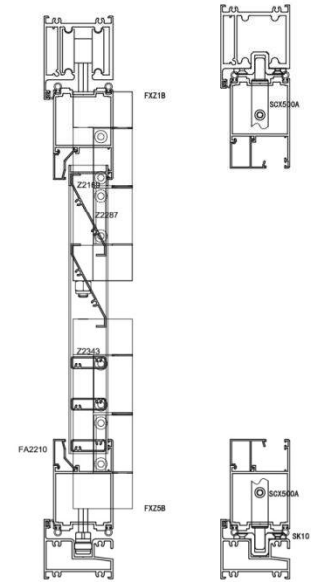
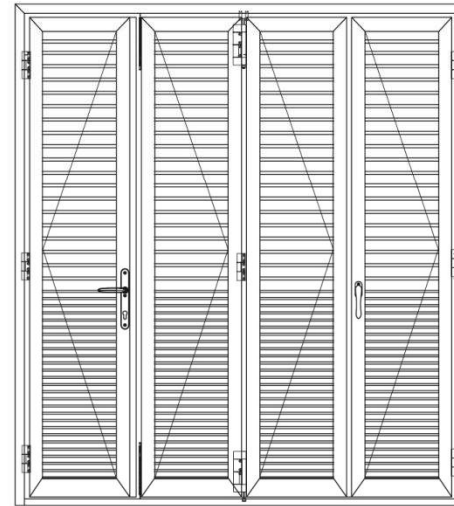
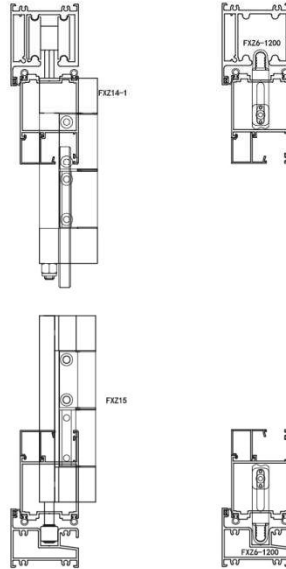
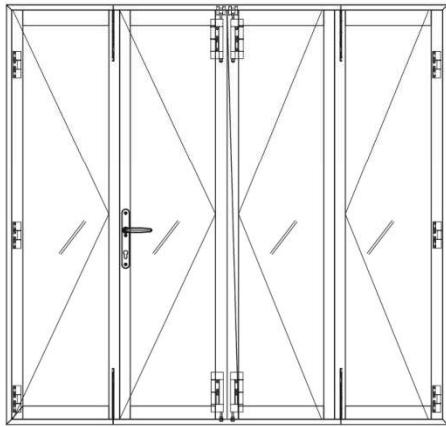
Foldable Door 60 Series



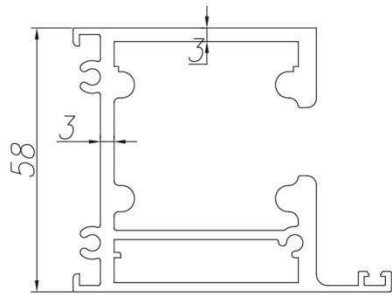
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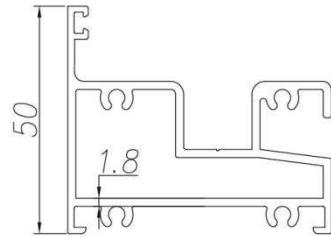
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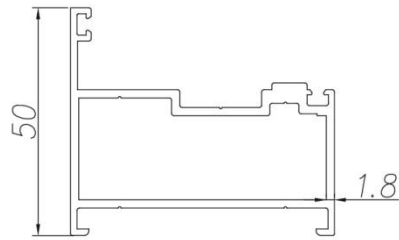




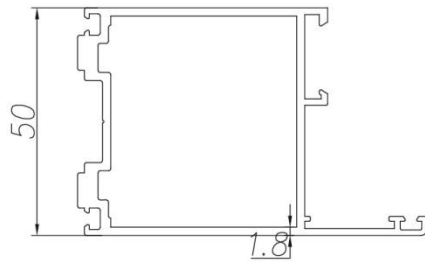
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ZD6000	3.0	2.235



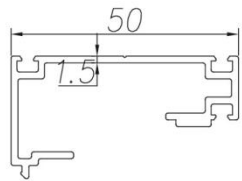
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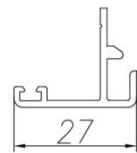
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ZD6002	1.8	1.055



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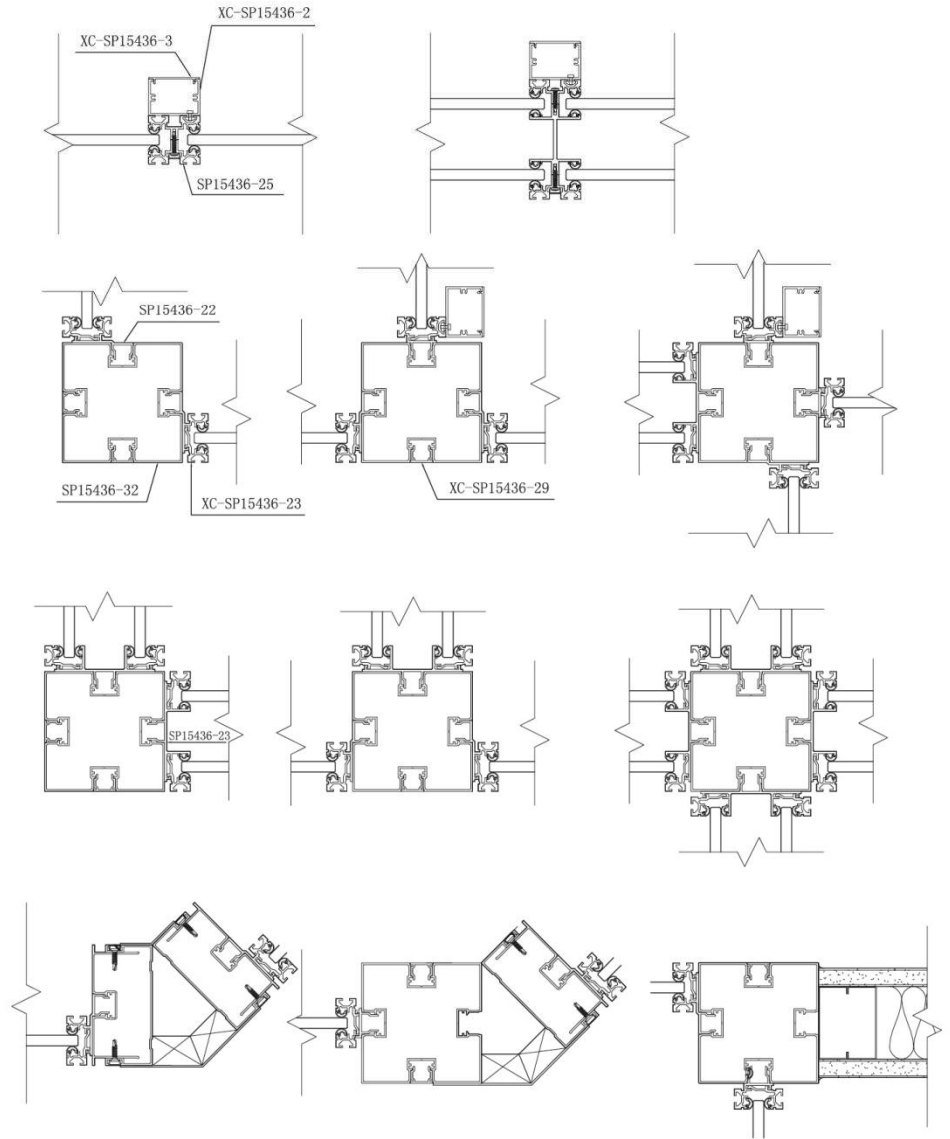
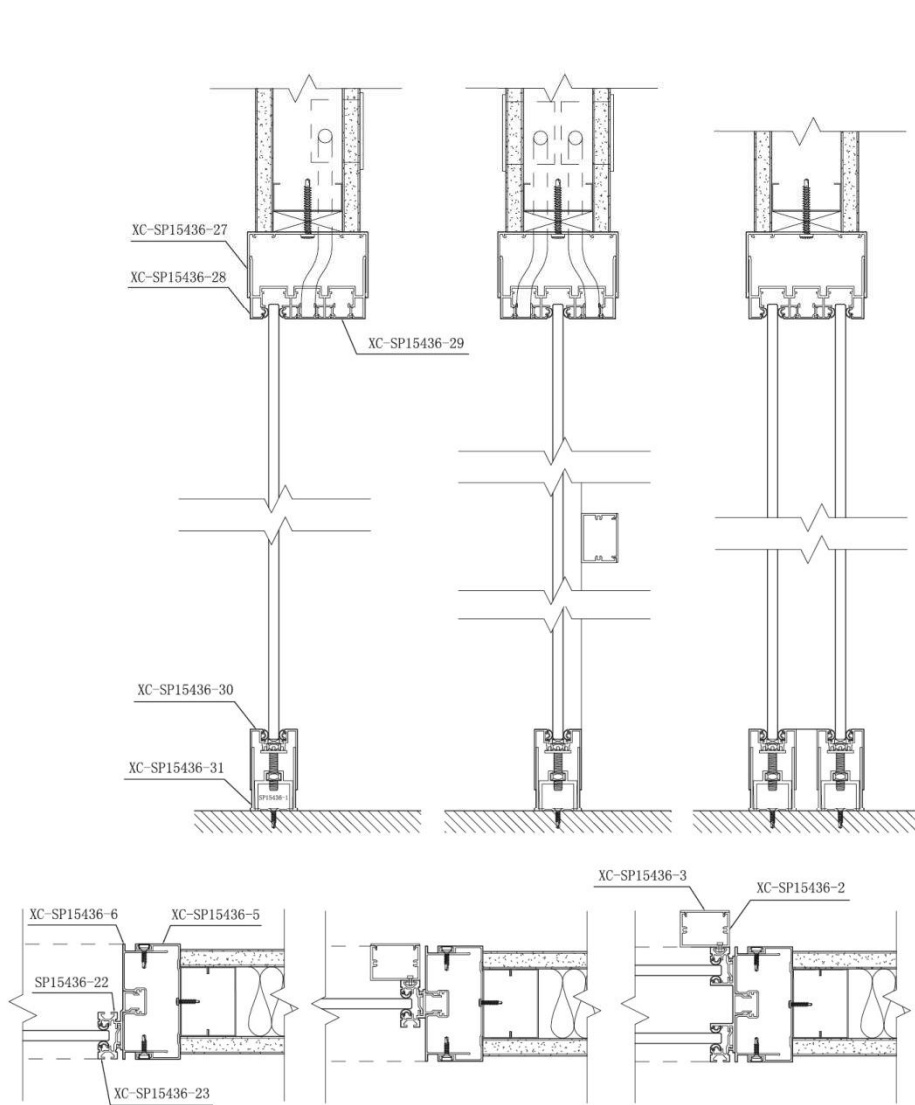


Dwg NO.	Thickness (mm)	Weight (kg/m)
ZD6004	1.5	0.551

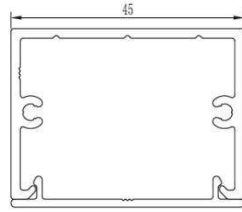
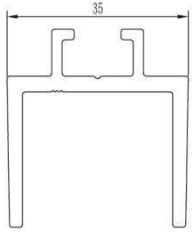


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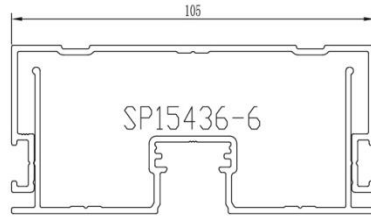
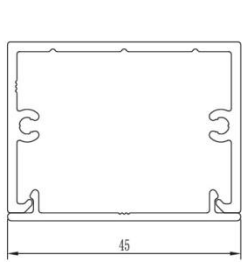






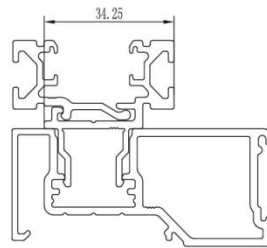
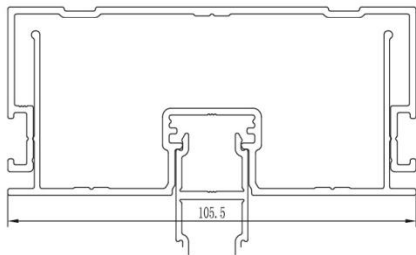
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SP15436-1	3.0	0.77

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SP15436-2	1.8	0.61



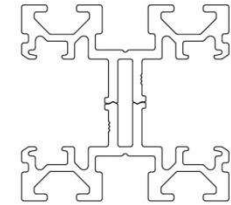
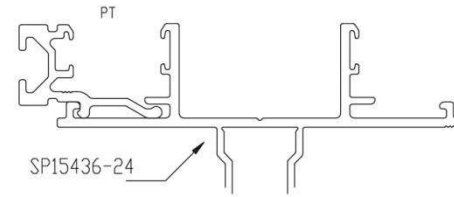
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SP15436-3	1.5	0.2

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SP15436-5	1.7	0.97



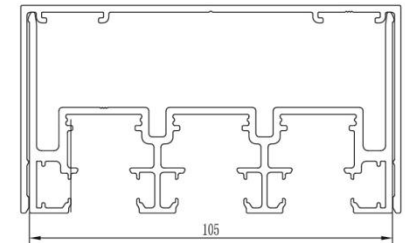
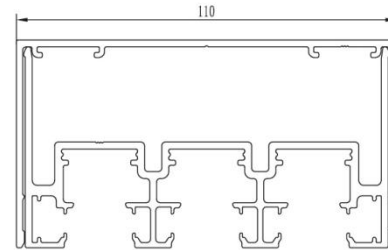
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SP15436-6	1.7	1.04

Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-21	1.7	0.306



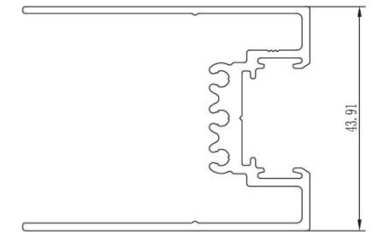
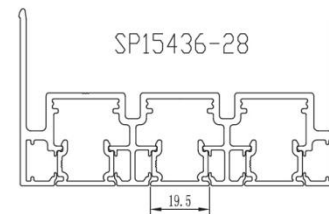
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-23		0.372

Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-25	2.35	0.683



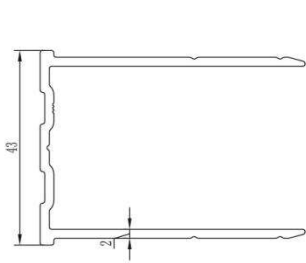
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-27	1.6	1.24

Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-28	2.0	2.22

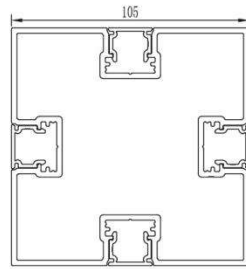


Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-29	1.5	0.21

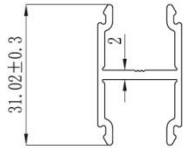
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-30	1.5	0.97



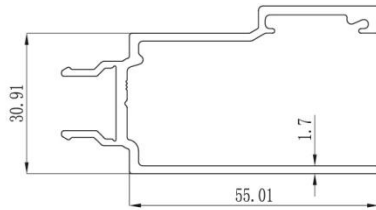
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-31	2.0	0.85



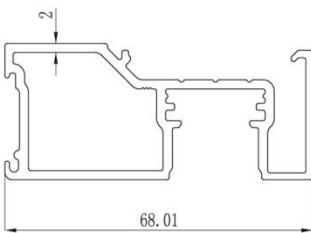
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-32	2.4	3.96



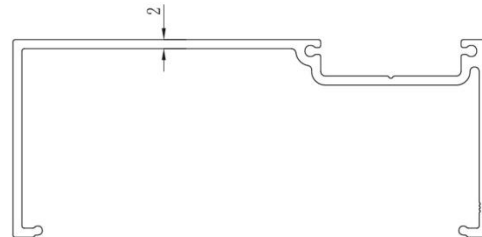
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-4	2.0	0.356



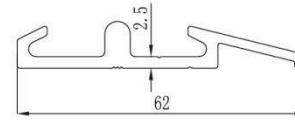
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-7	1.7	0.898



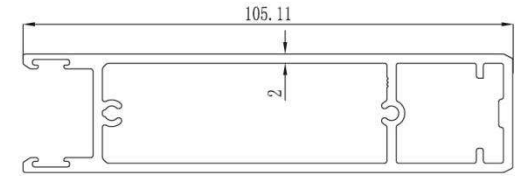
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-8	2.0	1.119



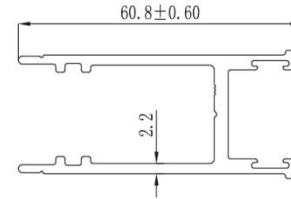
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-9	2.0	1.153



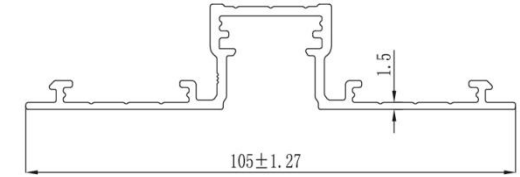
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-10	2.5	0.623



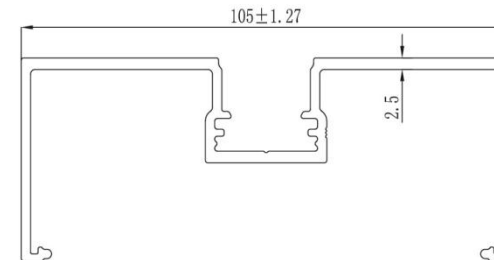
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-12	2.0	1.58



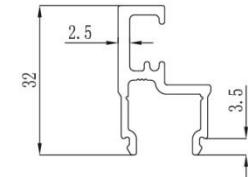
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-13	2.2	0.906



Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-16	1.5	0.864

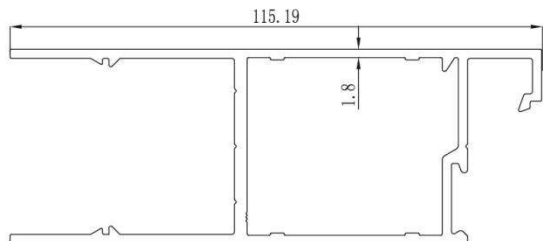


Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-15	2.5	1.471

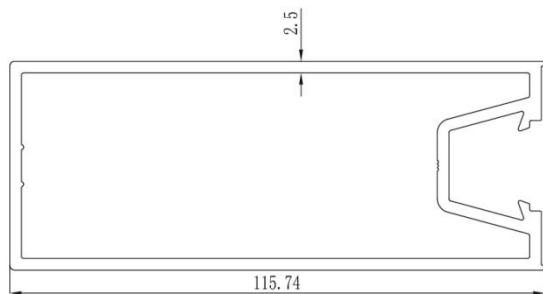


Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-14	2.5	0.411

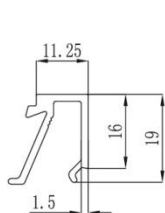




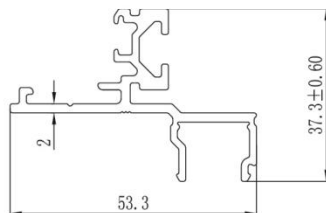
Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-17	1.8	1.757



Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-18	2.5	2.378

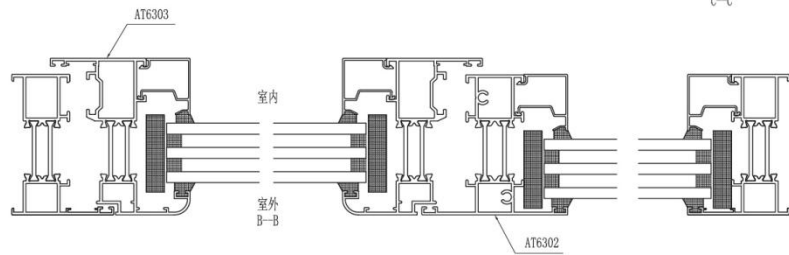
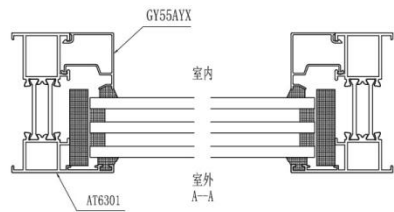
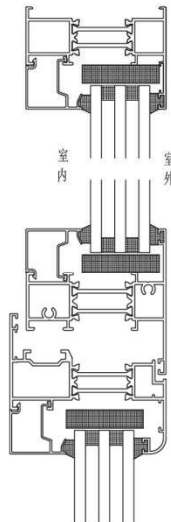
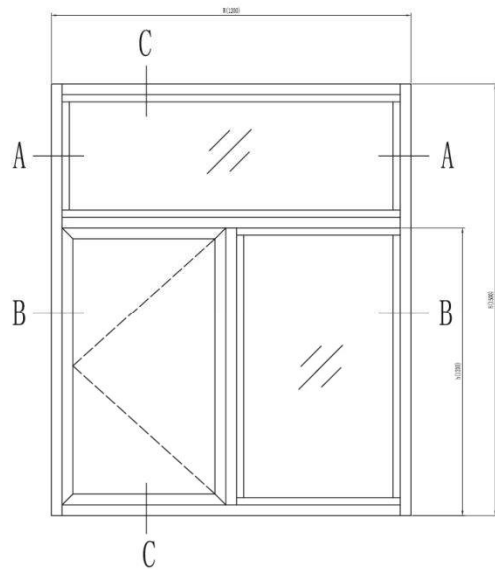


Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-19	1.5	0.231

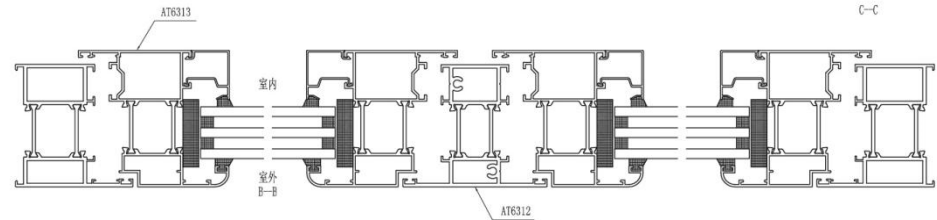
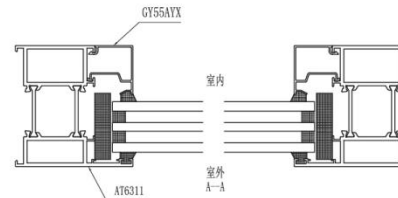
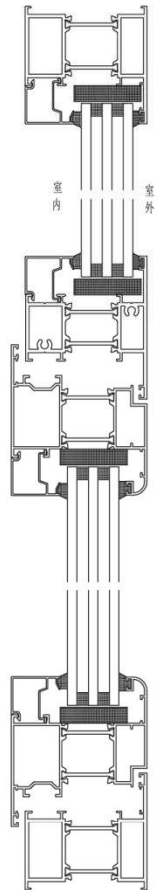
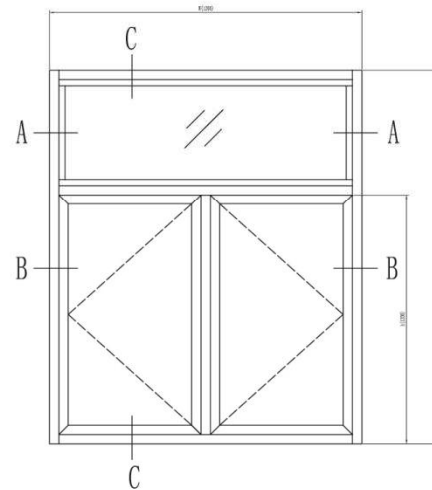


Dwg NO.	Thickness (mm)	Weight (kg/m)
SP15436-22	2.0	0.717

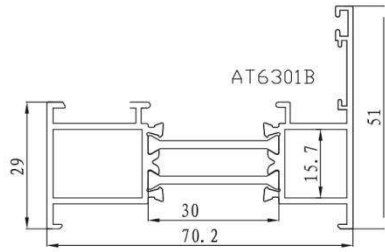




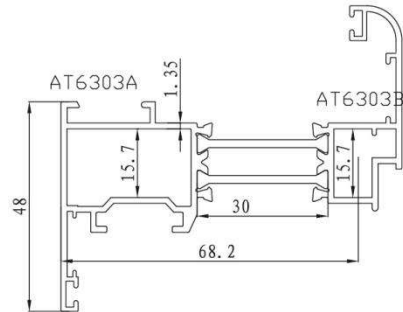
C-C



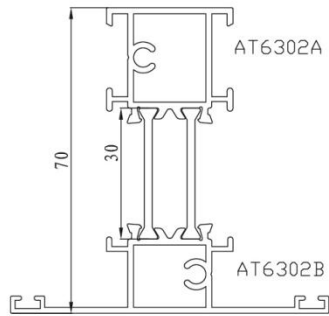
C-C



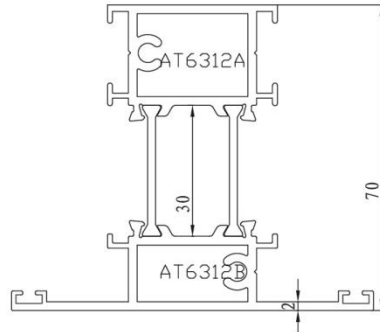
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6301	1.4	1.464



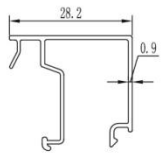
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6303	1.4	1.193



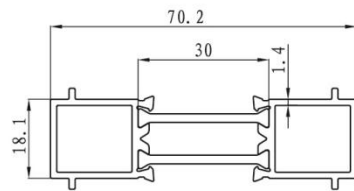
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6302	1.4	1.314



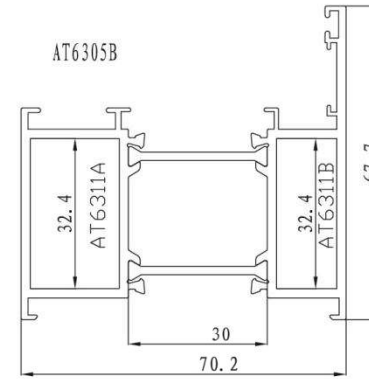
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6312	2.0	0.756



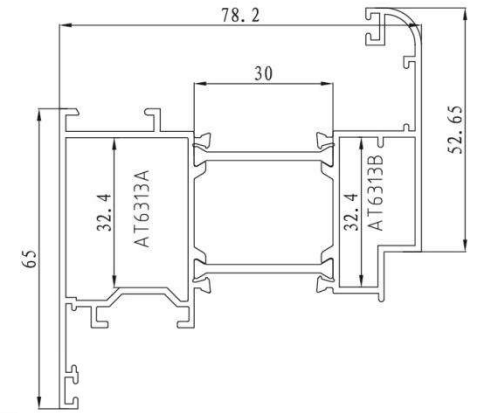
Dwg NO.	Thickness (mm)	Weight (kg/m)
GY55AYX	0.9	0.306



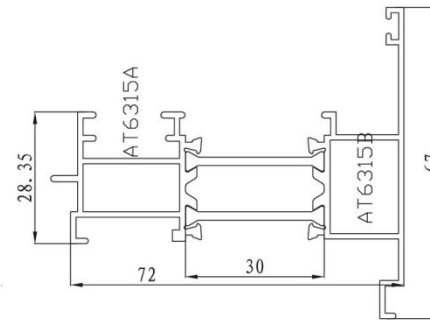
Dwg NO.	Thickness (mm)	Weight (kg/m)
GR55A205	1.4	0.306



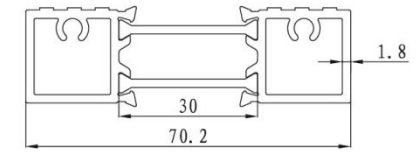
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6311	2.0	1.464



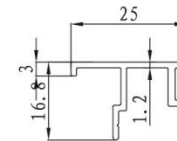
Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6313	2.0	1.193



Dwg NO.	Thickness (mm)	Weight (kg/m)
AT6315	1.15	1.314



Dwg NO.	Thickness (mm)	Weight (kg/m)
AT55MK	1.8	0.756



Dwg NO.	Thickness (mm)	Weight (kg/m)
AT63MF	1.2	0.306

Dwg NO.	Thickness (mm)	Weight (kg/m)





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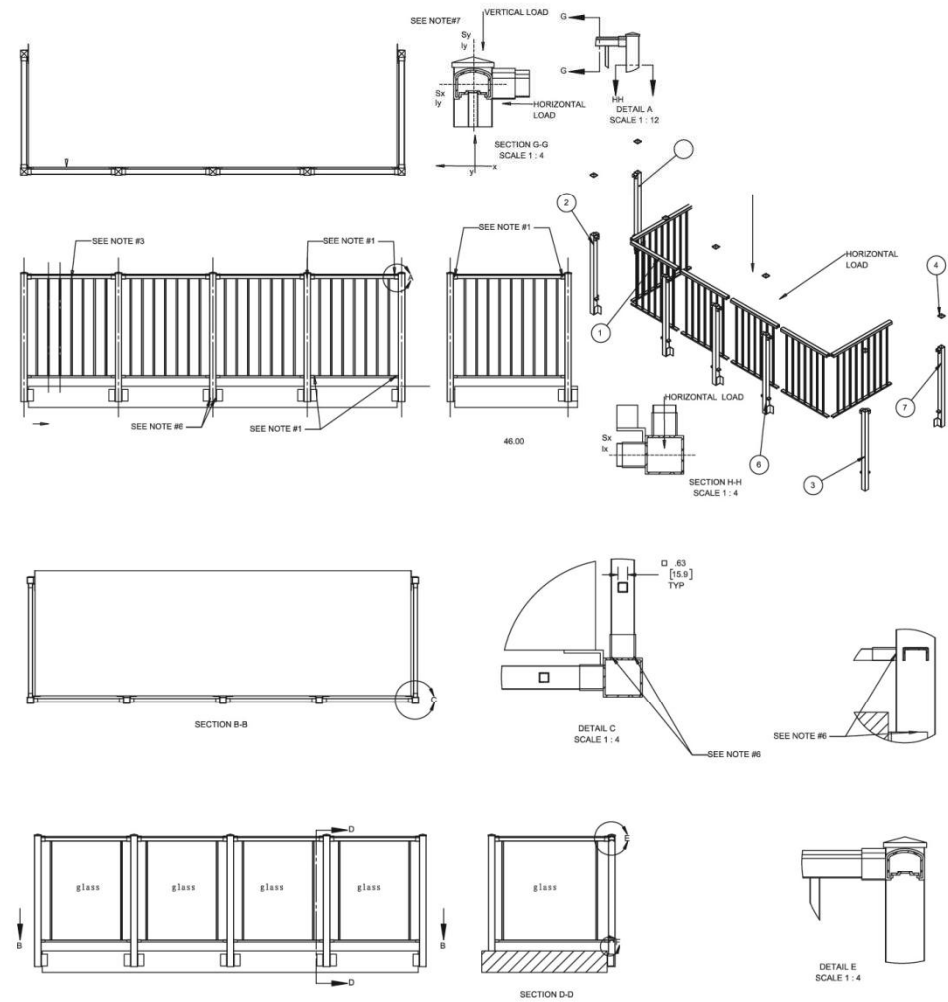
High Rise Window Series

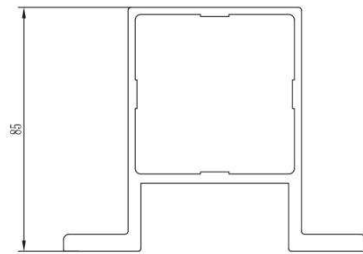
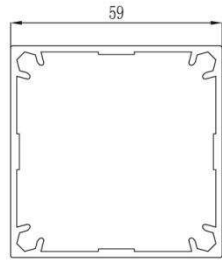


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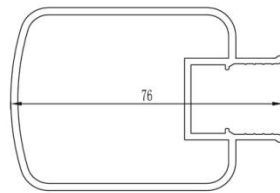
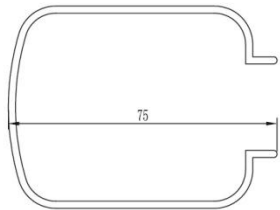
High Rise Railing Series





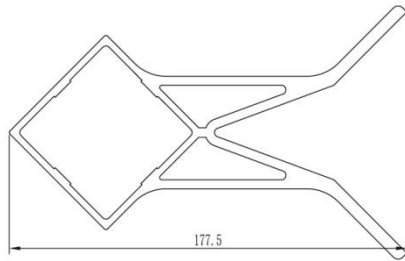
Dwg NO.	Thickness (mm)	Weight (kg/m)
FS01	1.7	1.31

Dwg NO.	Thickness (mm)	Weight (kg/m)
FS02	2.45	3.043

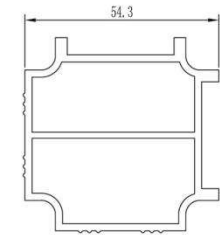
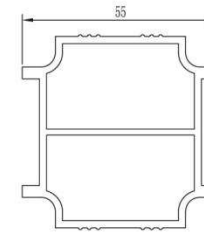


Dwg NO.	Thickness (mm)	Weight (kg/m)
FS03	2.0	1.129

Dwg NO.	Thickness (mm)	Weight (kg/m)
FS04	2.0	1.325

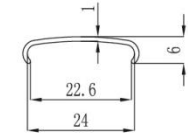
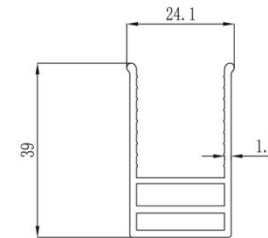


Dwg NO.	Thickness (mm)	Weight (kg/m)
FS05	3.0	6.504



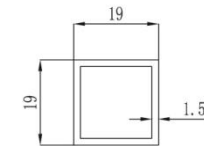
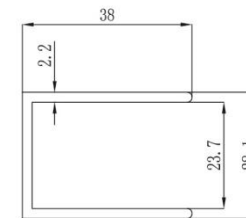
Dwg NO.	Thickness (mm)	Weight (kg/m)
FS06	2.0	1.464

Dwg NO.	Thickness (mm)	Weight (kg/m)
FS07	2.35	1.193



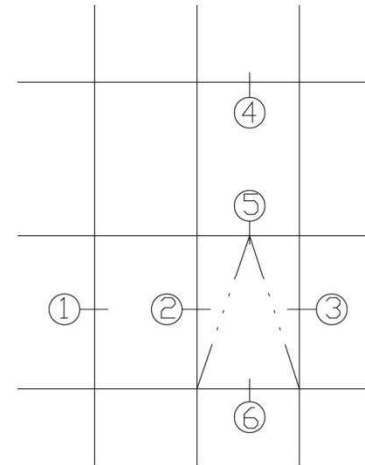
Dwg NO.	Thickness (mm)	Weight (kg/m)
FS08	1.5	0.562

Dwg NO.	Thickness (mm)	Weight (kg/m)
FS09	1.0	0.088

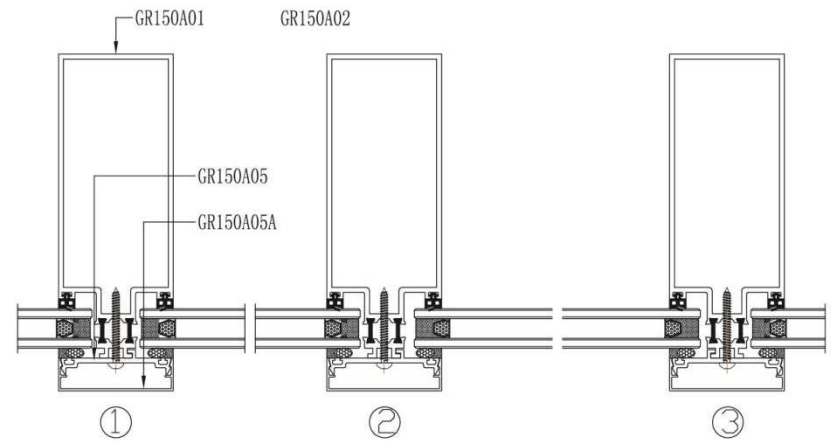
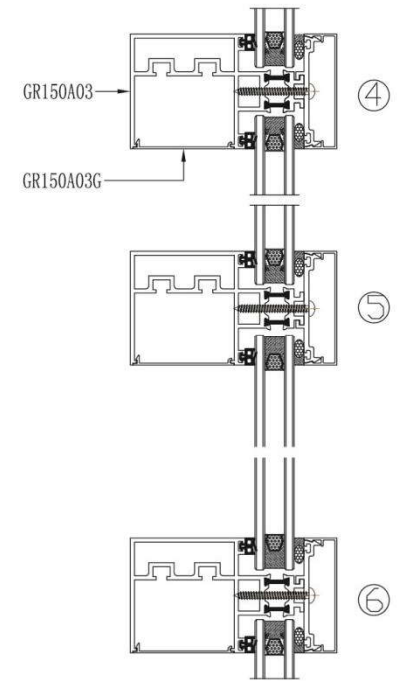


Dwg NO.	Thickness (mm)	Weight (kg/m)
FS10	2.2	0.59

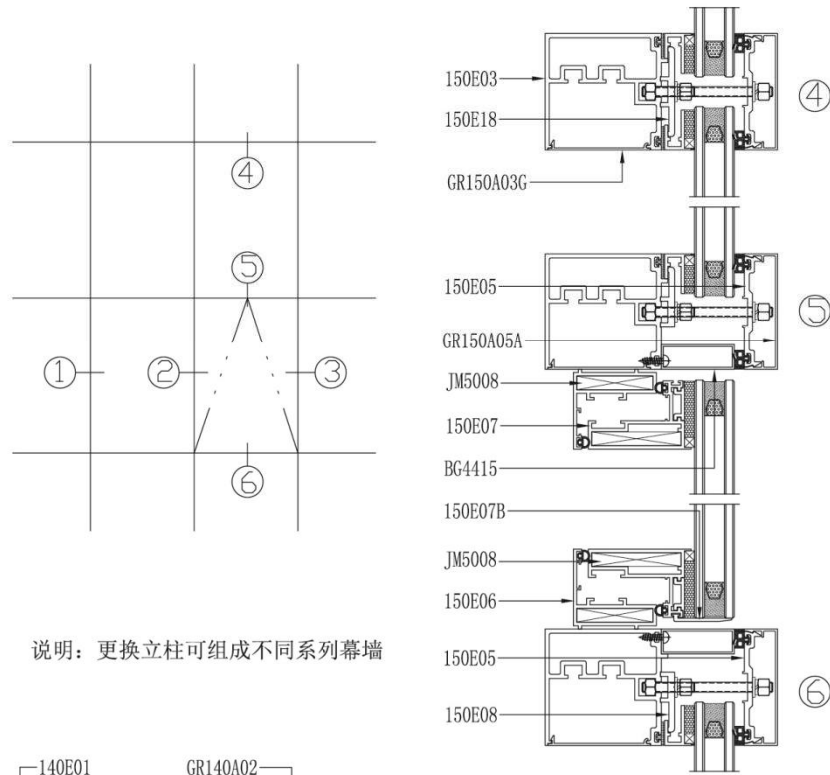
Dwg NO.	Thickness (mm)	Weight (kg/m)
FS11	1.5	0.284



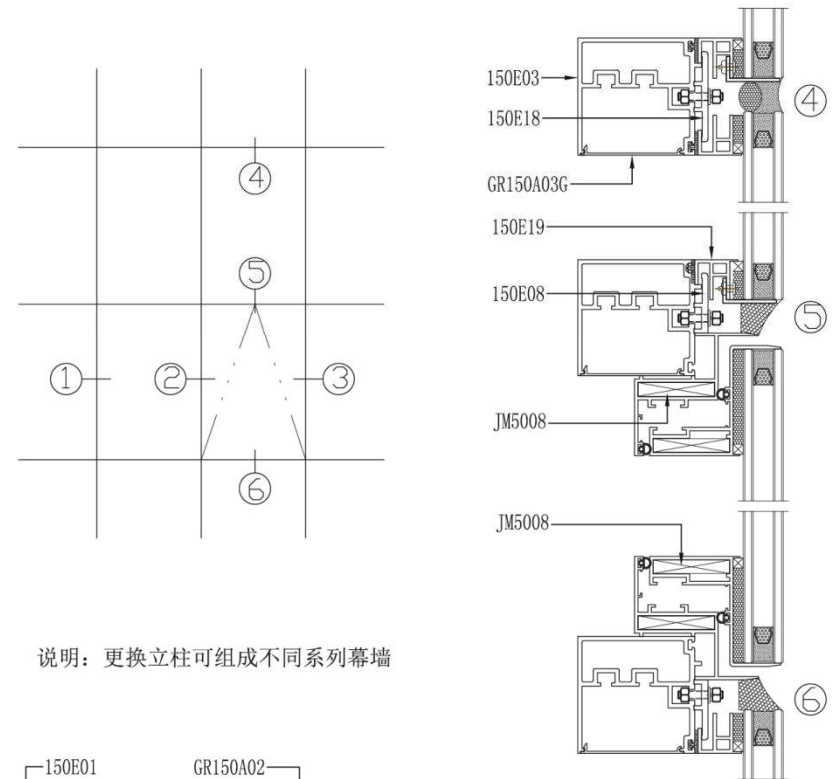
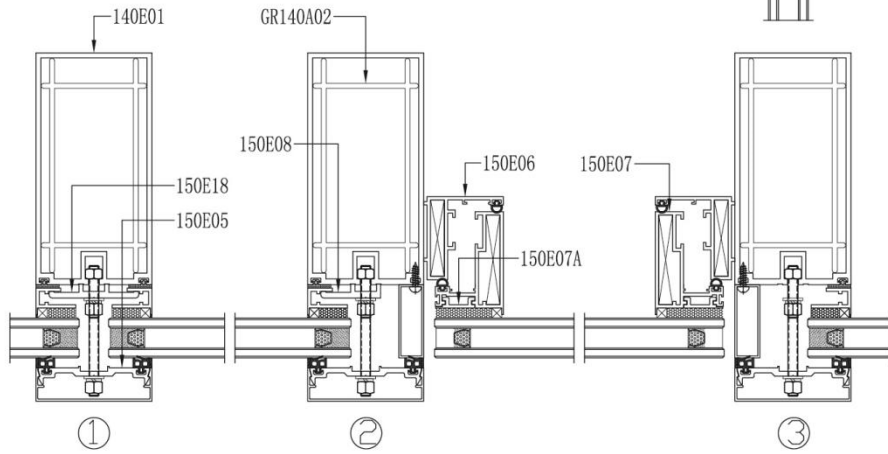
说明：更换立柱可组成不同系列幕墙



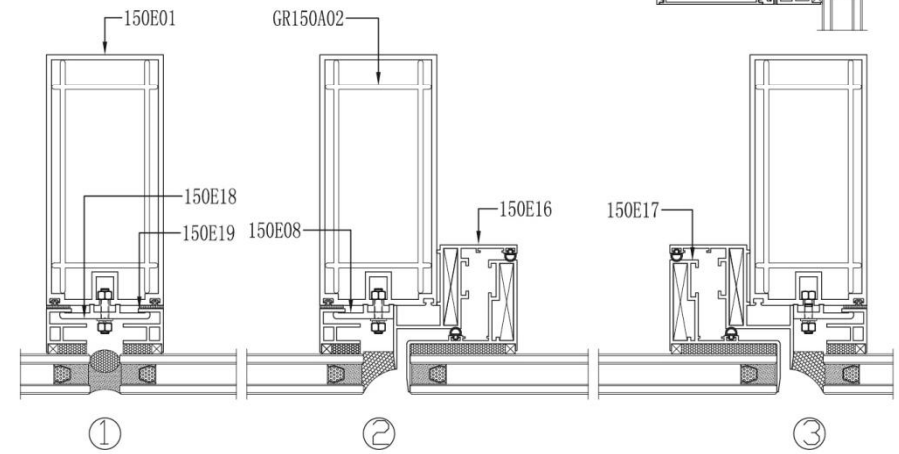


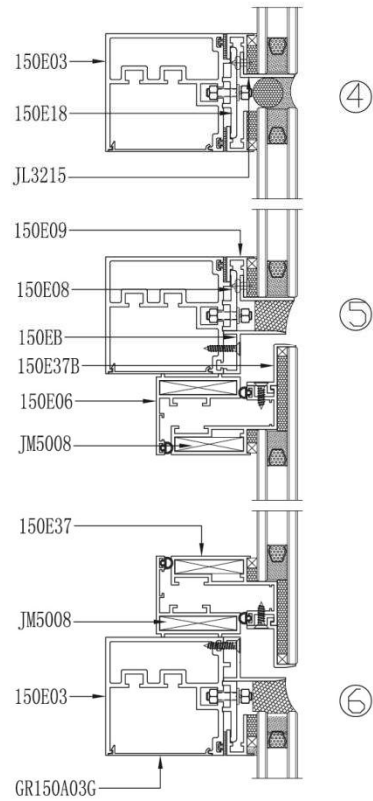
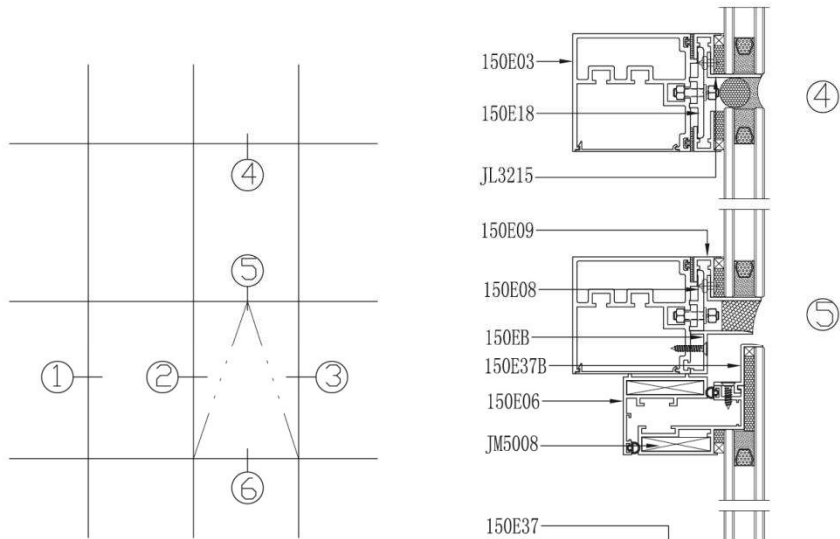


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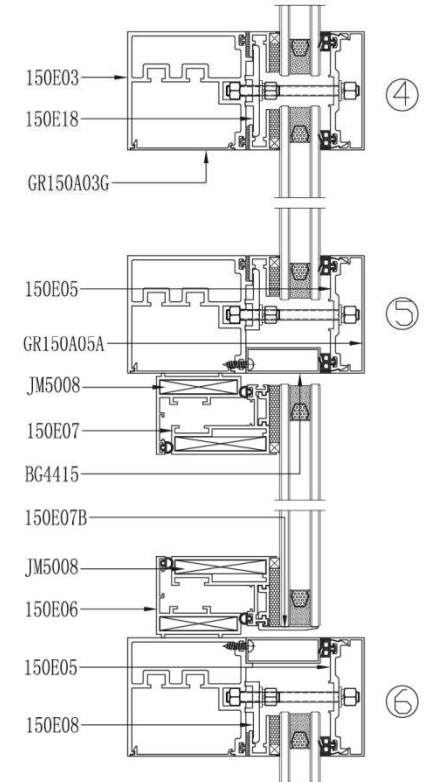
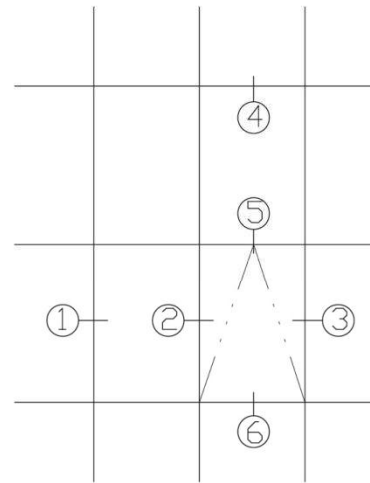
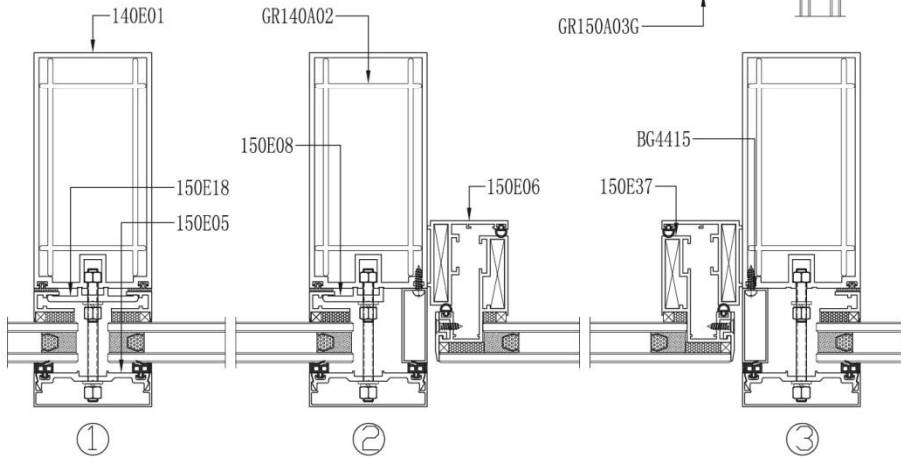


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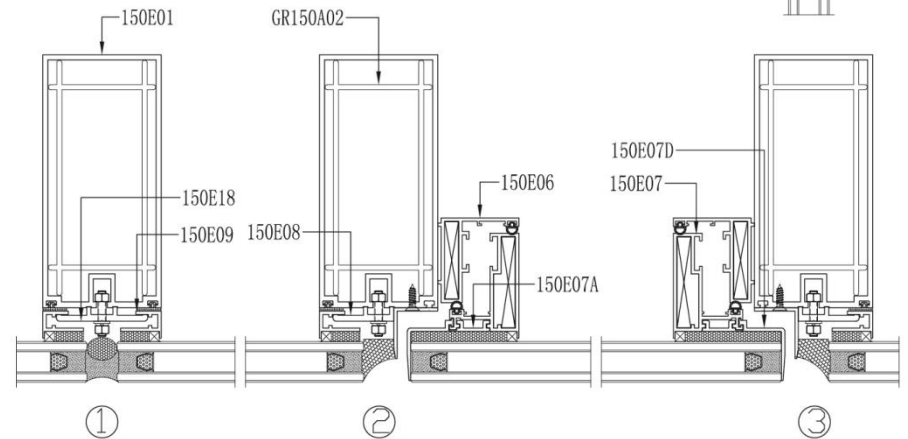


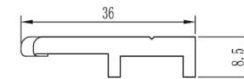
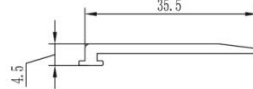
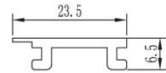
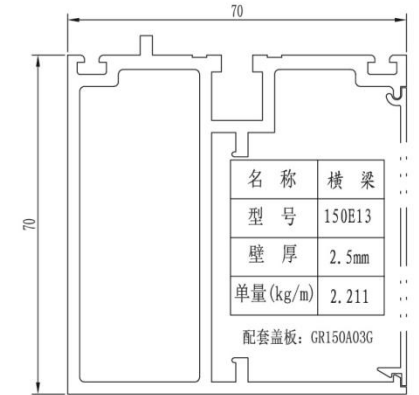
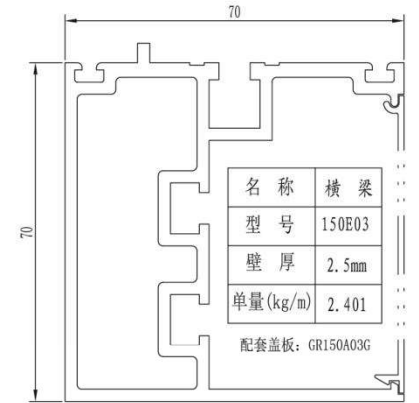
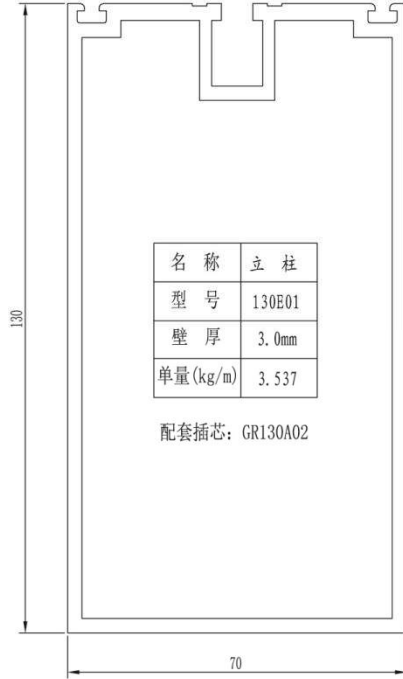
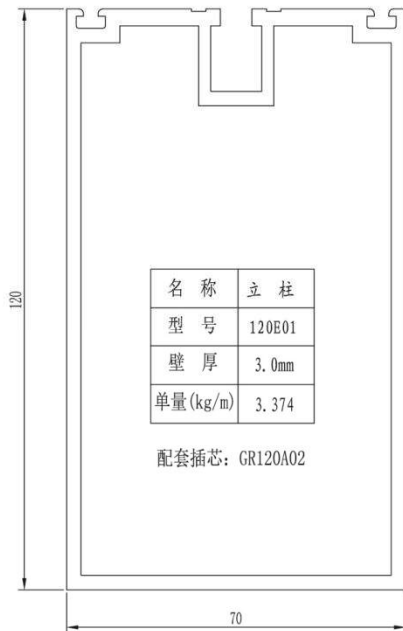


说明：更换立柱可组成不同系列幕墙



说明：更换立柱可组成不同系列幕墙

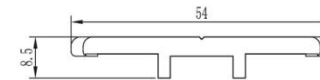
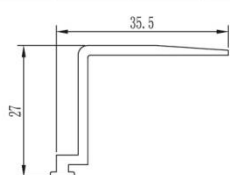
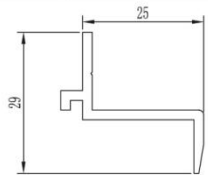




名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
扇料组件	150E07A	2.0mm	0.184

名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇组件	150E07B	2.0mm	0.205

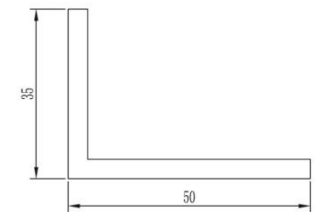
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
单压块	150E08	3.5mm	0.429



名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇组件	150E37B	2.0mm	0.309

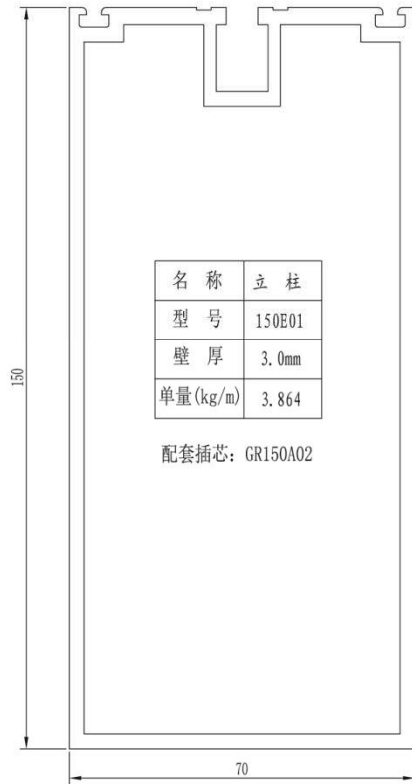
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇组件	150E07D	2.0mm	0.316

名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
双压块	150E18	3.5mm	0.601



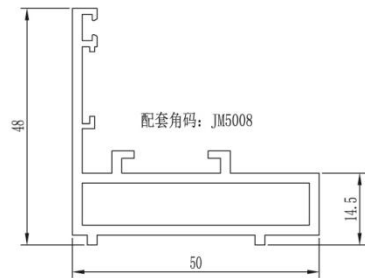
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
角铝	JL5035	4.0mm	0.881





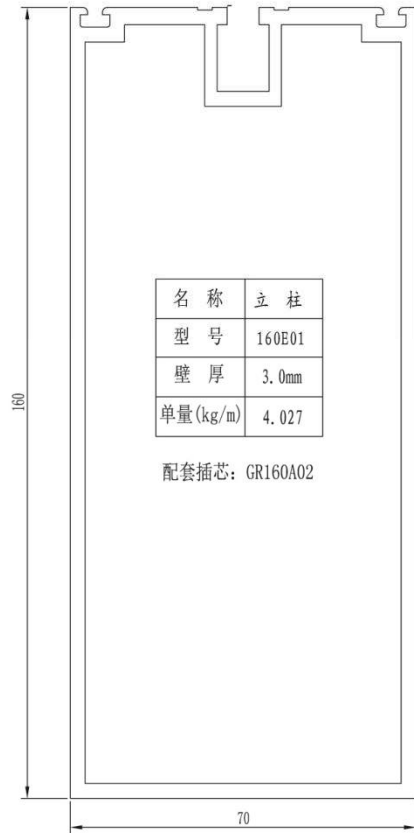
名称	立柱
型号	150E01
壁厚	3.0mm
单量(kg/m)	3.864

配套插芯: GR150A02



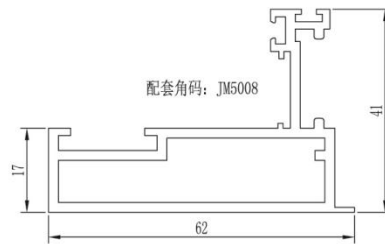
配套角码: JM5008

名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启框	150E06	2.0mm	0.949



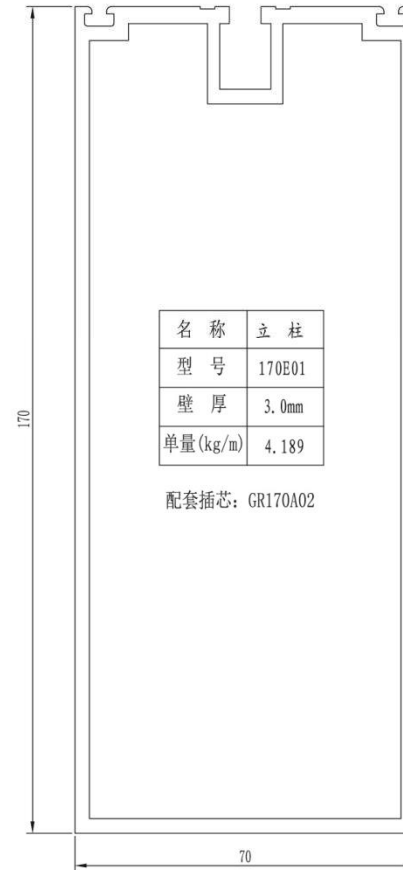
名称	立柱
型号	160E01
壁厚	3.0mm
单量(kg/m)	4.027

配套插芯: GR160A02



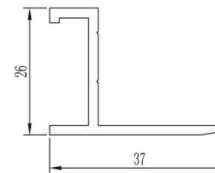
配套角码: JM5008

名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇	150E07	2.0mm	1.079

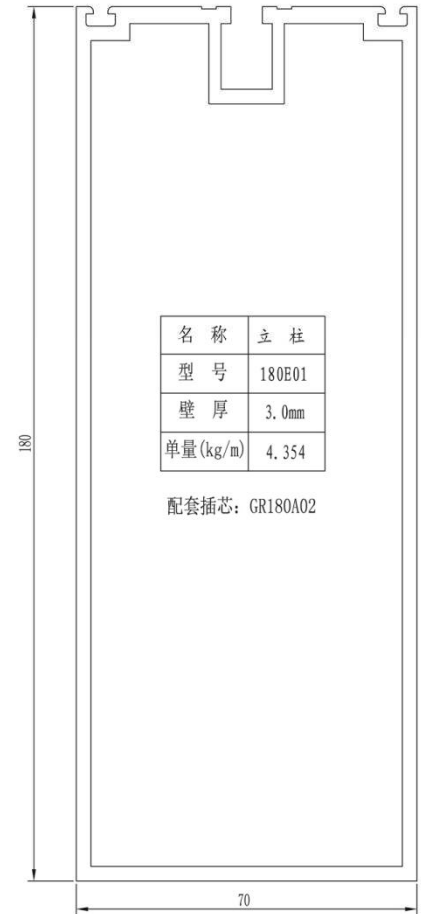


名称	立柱
型号	170E01
壁厚	3.0mm
单量(kg/m)	4.189

配套插芯: GR170A02

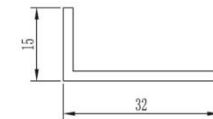


名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
上封边	150EB	2.0mm	0.372



名称	立柱
型号	180E01
壁厚	3.0mm
单量(kg/m)	4.354

配套插芯: GR180A02

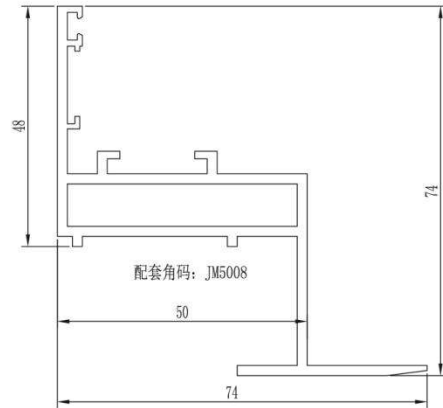


名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
角铝	JL3215	2.0mm	0.244

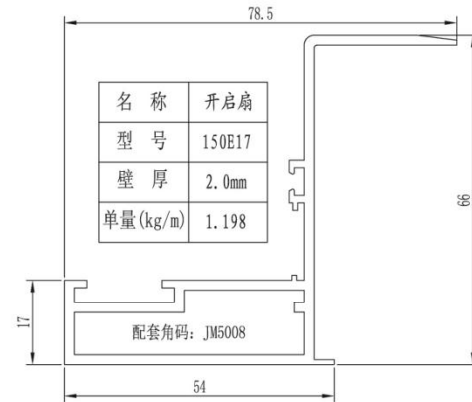


名称	立柱
型号	200E01
壁厚	3.0mm
单量(kg/m)	4.679

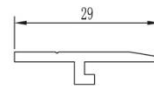
配套插芯: GR200A02



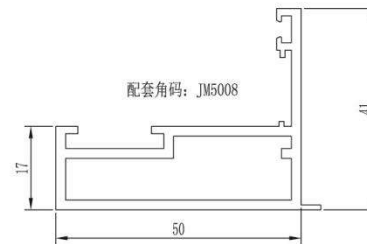
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇	150E16	2.0mm	1.287



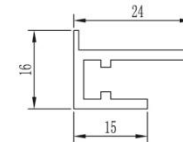
名称	开启扇
型号	150E17
壁厚	2.0mm
单量(kg/m)	1.198



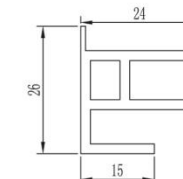
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇组件	150E37A	2.0mm	0.185



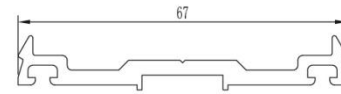
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇	150E27	2.0mm	0.919



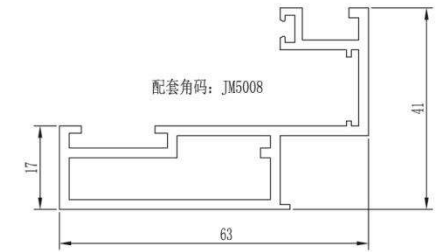
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
玻璃托	150E09	2.0mm	0.283



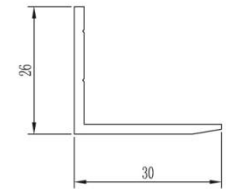
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
玻璃托	150E19	2.0mm	0.481



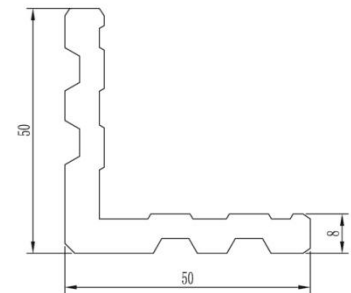
名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
玻璃夹	150E05	3.0mm	0.677



名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
开启扇	150E37	2.0mm	1.066



名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
上封边	150EA	2.0mm	0.285



名称	型号	壁厚	单量(kg/m)
Profile	Dwg No.	Thickness	Theor. weight
角码	JM5008		1.633

