



ULUSAN
aluminium profiles technology

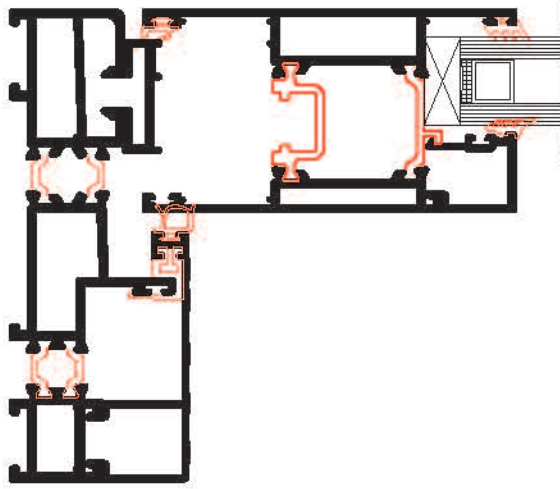
ARWIS İNOVA SÜRME SERİSİ

INV 120





INV128



TEKNİK ÖZELLİKLER / TECHNICAL PROPERTIES

KASA DERİNLİĞİ / FRAME DEPTH	128mm
KANAT DERİNLİĞİ / VENT DEPTH	55mm
PROFİL ET KALINLIĞI / PROFILE WALL THCKNESS	1.6mm
MAKS. CAM KALINLIĞI / MAX. GLASS THCKNESS	36mm
ISI BARIYERLERİ / THERMAL INSULATION BAR	16-32mm

KULLANIM SEÇENEKLERİ / APPLICATION ALTERNATIVES

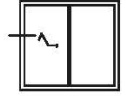
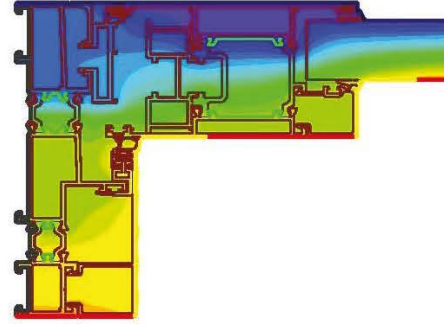
KULLANIM SEÇENEKLERİ / APPLICATION ALTERNATIVES	KAPI DOOR	PENCERE WINDOW
İNOVA SÜRME / İNOVA SLIDING	*	*

SİSTEM UF DEĞERLERİ - EN 10077-2
THERMAL INSULATION VALUE

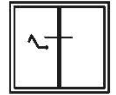
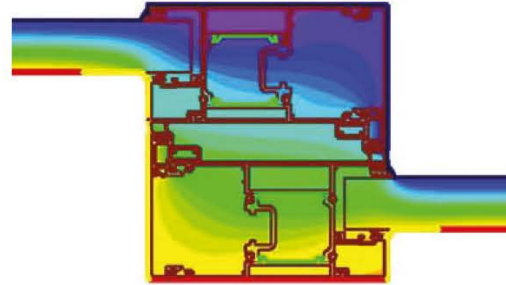
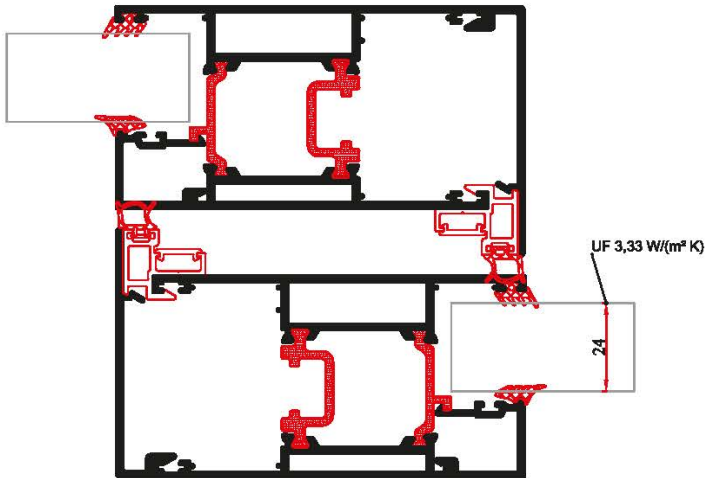


2,78-3,33 W/(m² K)

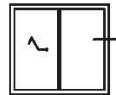
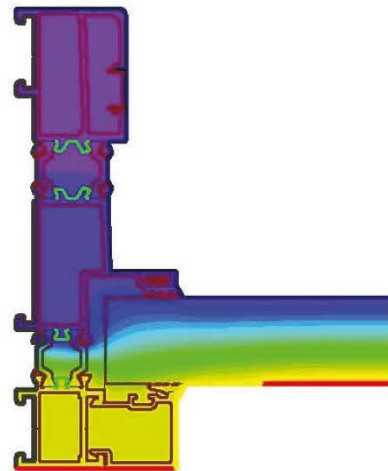
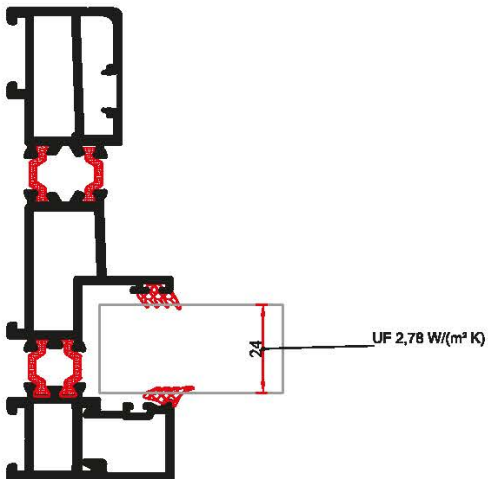
ISI YALITIM DEĞERLERİ (UF) / THERMAL INSULATION VALUE (UF)

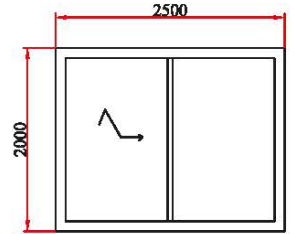
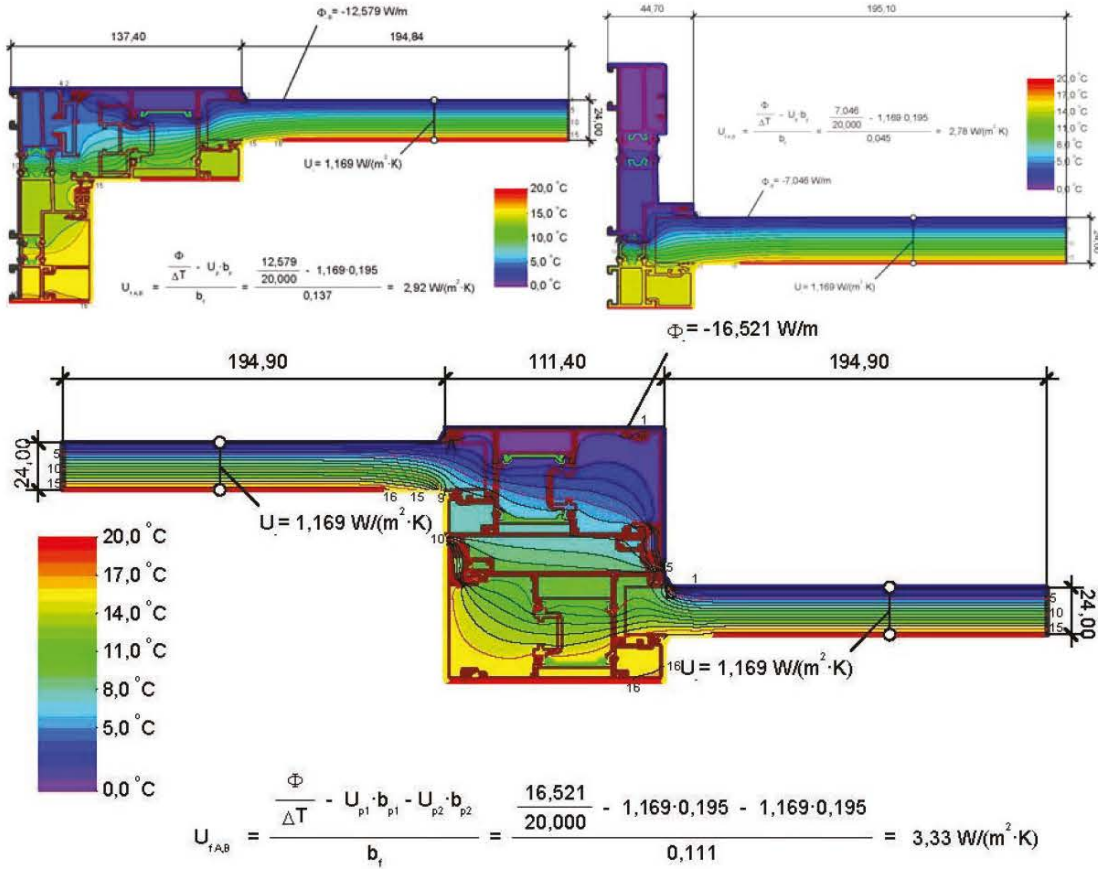


ISI YALITIM DEĞERLERİ (UF) / THERMAL INSULATION VALUE (UF)



ISI YALITIM DEĞERLERİ (UF) / THERMAL INSULATION VALUE (UF)





ÖRNEK

Ucw Hesaplama															
PROFİL KOMBİNASYONLARI															
Pos.	Adet	Açıklama	Genişlik [m]	Yükseklik [m]	Uf-Değeri [W/m²·K]	Alan Af [m²]	%A								
01	1	Düşey Kesit A	0,14	2	2,92	0,28	26,0%								
02	1	Düşey Kesit B	0,11	2	3,33	0,22	20,5%								
03	1	Düşey Kesit C	0,05	2	2,78	0,10	9,3%								
04	2	Yatay Kesit D	1,25	0,05	2,78	0,13	11,6%								
05	2	Yatay Kesit E	1,25	0,14	2,92	0,35	32,6%								
					Uf Ortalama	Af Toplam									
					2,97	1,075	100,0%								
DOLGULAR															
Pos.	Adet	Açıklama	Genişlik [m]	Yükseklik [m]	Cam/Panel Ug/p-Değeri [W/m²·K]	Alan Ag/p [m²]	%A	Spacer Ψg/p [W/mK]	Uzunluk Ig/p [m]						
01	2	4+16+4 Düz Cam	1,1	1,9	1,1	4,18	100,0%	0,04	12						
					Ug/p Ortalama	Ag/p Toplam		Ψg/p Ortalama	Ig/p Toplam						
					1,10	4,18	100,0%	0,04	12						
SONUÇ			Yüzdeler												
Ucw = 1,57 W/m²·K			<table border="1"> <tr> <td>Profil</td> <td>0,61</td> </tr> <tr> <td>Dolgu</td> <td>0,87</td> </tr> <tr> <td>Spacer</td> <td>0,09</td> </tr> </table>							Profil	0,61	Dolgu	0,87	Spacer	0,09
Profil	0,61														
Dolgu	0,87														
Spacer	0,09														
A _{toplam} = 5,26 m²															
H _{toplam} = 8,28 W/K															
$U_{cw} = \frac{\sum_i A_{g_i} \cdot U_{g_i} + \sum_j A_{f_j} \cdot U_{f_j} + \sum_k l_{f_k} \cdot \psi_{f_k}}{\sum_i A_{g_i} + \sum_j A_{f_j}}$															

İNV 128



ARWIS İNOVA SÜRME SERİSİ ARWIS INOVA SLIDING SERIES

SİSTEM NUMARASI

128 İNV 1357-1386-1387

128 İNV 1388-1389

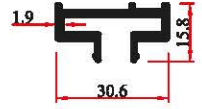
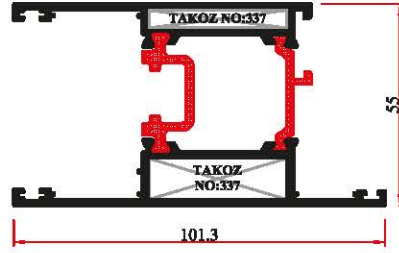
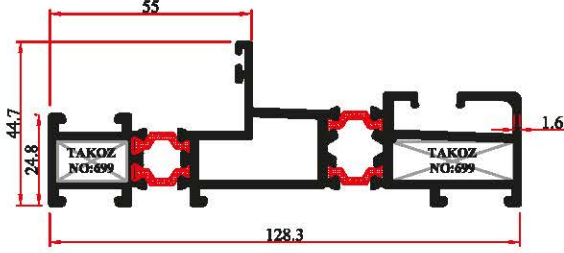
128 İNV 1391

KALIP NUMARASI

1357-1386-1387

1388-1389

1391



AĞIRLIK: 2,318 kg/mt

1,788 kg/mt

0,359 kg/mt

jx:7,791

jx:41,791

jy:136,218

jy:30,724

Kasa Profili

Kanat Profili

Kilit Karşılık Profili

SİSTEM NUMARASI

128 İNV 1357-1364

128 İNV 1359

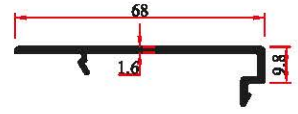
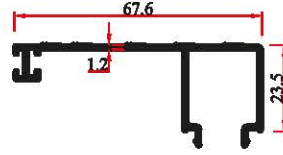
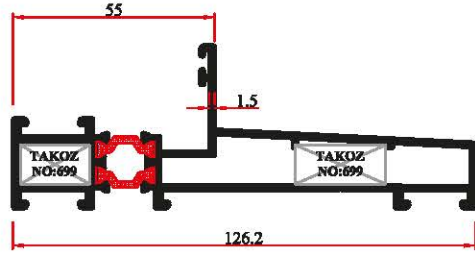
128 İNV 1355

KALIP NUMARASI

1357-1364

1359

1355



AĞIRLIK:1,813 kg/mt

0,510 kg/mt

0,397 kg/mt

Pervazlı Sabit Kasa Profili

Sabit Kanat Çita Profili

Kenet Profili

SİSTEM NUMARASI

128 İNV 1390

128 İNV 375

128 İNV 8168

128 İNV 994

128 İNV 997

KALIP NUMARASI

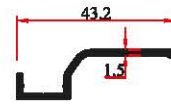
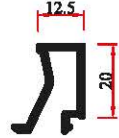
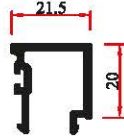
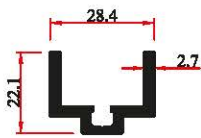
1390

375

8168

994

997



AĞIRLIK:0,448 kg/mt

0,294 kg/mt

0,275 kg/mt

0,235 kg/mt

0,046 kg/mt

Teker Yuva Profili

Çita Profili

Çita Profili

Damlalık Profili

Kapak Profili

ÖLÇEK:1/2

PROFİLLERİN BİRİM AĞIRLIKLARI TEORİK OLARAK HESAPLANMIŞTIR / PROFILES UNIT WEIGHTS CALCULATED THEORETICALLY

INV 128



ARWIS İNOVA SÜRME SERİSİ ARWIS INOVA SLIDING SERIES

SİSTEM NUMARASI

128 INV 452-457

128 INV 464-465

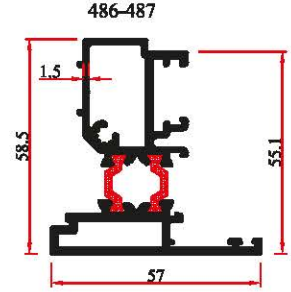
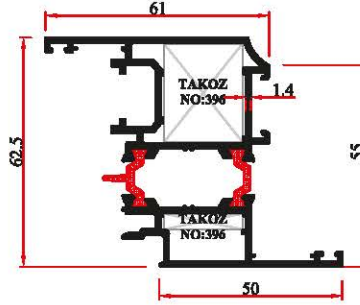
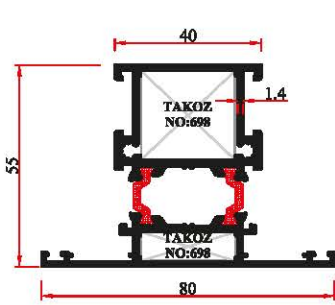
128 INV 486-487

KALIP NUMARASI

452-457

464-465

486-487



AĞIRLIK: 1,494 kg/mt

1,610 kg/mt

1,397 kg/mt

jx:18,159

jx:12,718

yy:16,306

yy:30,227

40'lık Orta Kayıt Profili

60'lık PVC Kanat Profili

Çift Açılır Kanat Adaptörü

SİSTEM NUMARASI

128 INV 698

128 INV 396

128 INV 699

128 INV 377

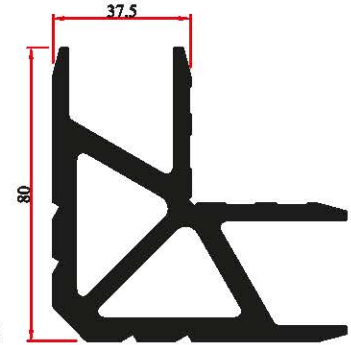
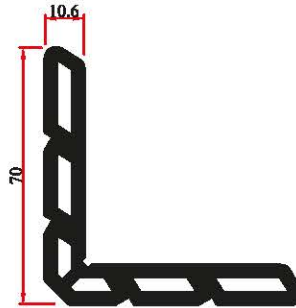
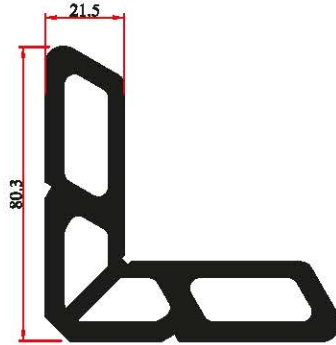
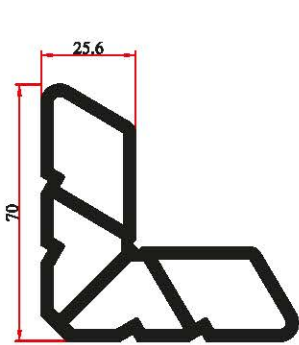
KALIP NUMARASI

698

396

699

377



AĞIRLIK:2,630 kg/mt

4,339 kg/mt

2,392 kg/mt

4,470 kg/mt

Orta Seri Takoz

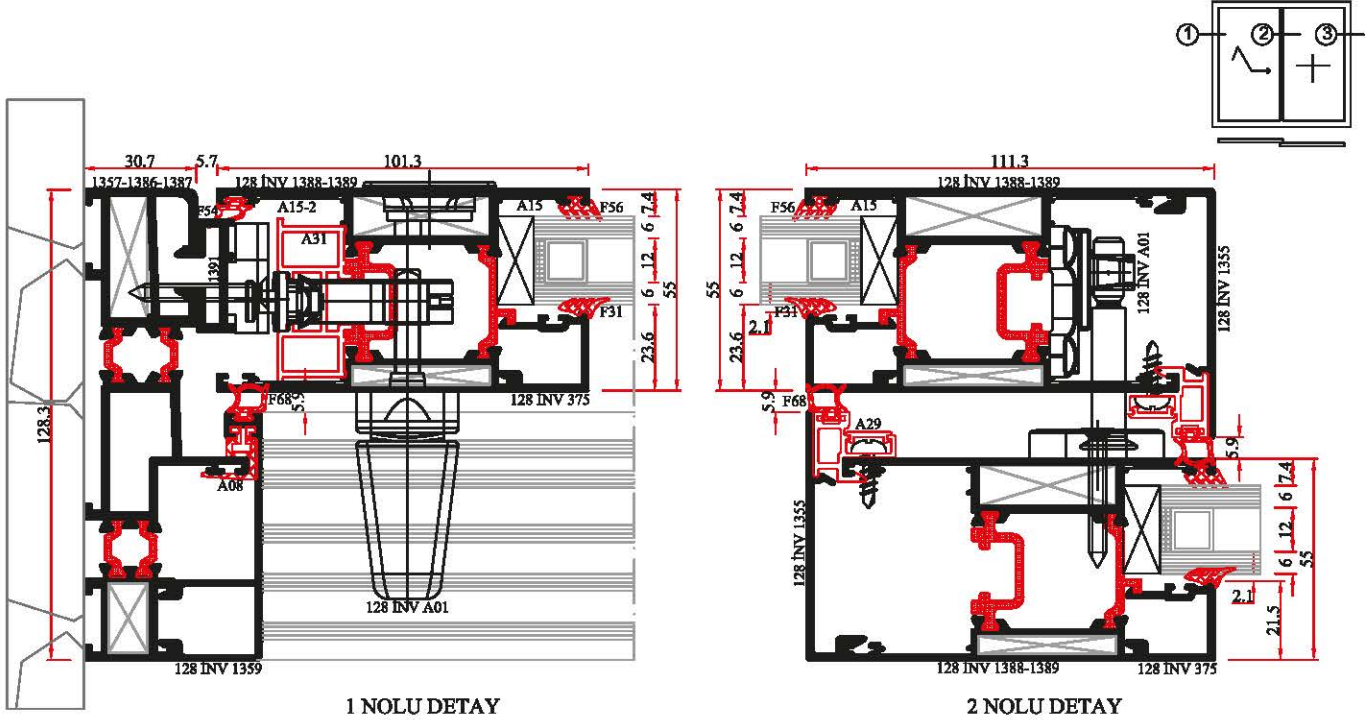
2 mm Dar Seri Takoz

Kasa Takoz Profili

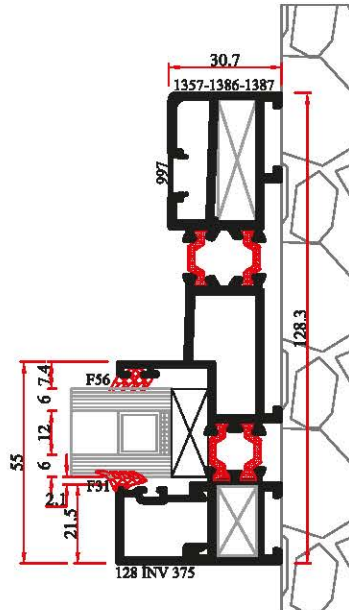
1,4 mm Orta Seri Takozu

	KULLANILAN PROFİL NO	KULLANILAN PROFİL NO	KÖŞE TAKOZ KALIB NO	KÖŞE TAKOZ PROFİL NO	KESİM ÖLÇÜSÜ (L)	KÖŞE TAKOZ KESİM NO	AKSESUAR NO
128 INV 1357-1386-1387	128 INV 1357	128 INV 1357	699	128 INV 699	18,9 MM	TK-699-18,9	-
	128 INV 1387	128 INV 1387	699	128 INV 699	33,3 MM	TK-699-33,3	-
128 INV 1388-1389	128 INV 1388	128 INV 1388	337	128 INV 337	4,8 MM	TK-337-4,8	-
	128 INV 1389	128 INV 1389	337	128 INV 337	11,1 MM	TK-337-11,1	-
128 INV 1357-1384	128 INV 1357	128 INV 1357	699	128 INV 699	18,9 MM	TK-699-18,9	-
	128 INV 1384	128 INV 1384	699	128 INV 699	24,4 MM	TK-699-24,4	-
128 INV 452-453	128 INV 452	128 INV 452	698	128 INV 698	24,2 MM	TK-698-24,2	-
	128 INV 453	128 INV 453	698	128 INV 698	5 MM	TK-698-5	-
128 HB 452-457	128 INV 452	128 INV 452	698	128 INV 698	24,2 MM	TK-698-24,2	-
	128 INV 457	128 INV 457	698	128 INV 698	7,8 MM	TK-698-7,8	-
128 HB 464-465	128 INV 464	128 INV 464	396	128 INV 396	26,9 MM	TK-396-26,9	-
	128 INV 465	128 INV 465	396	128 INV 396	4,3 MM	TK-396-4,3	-

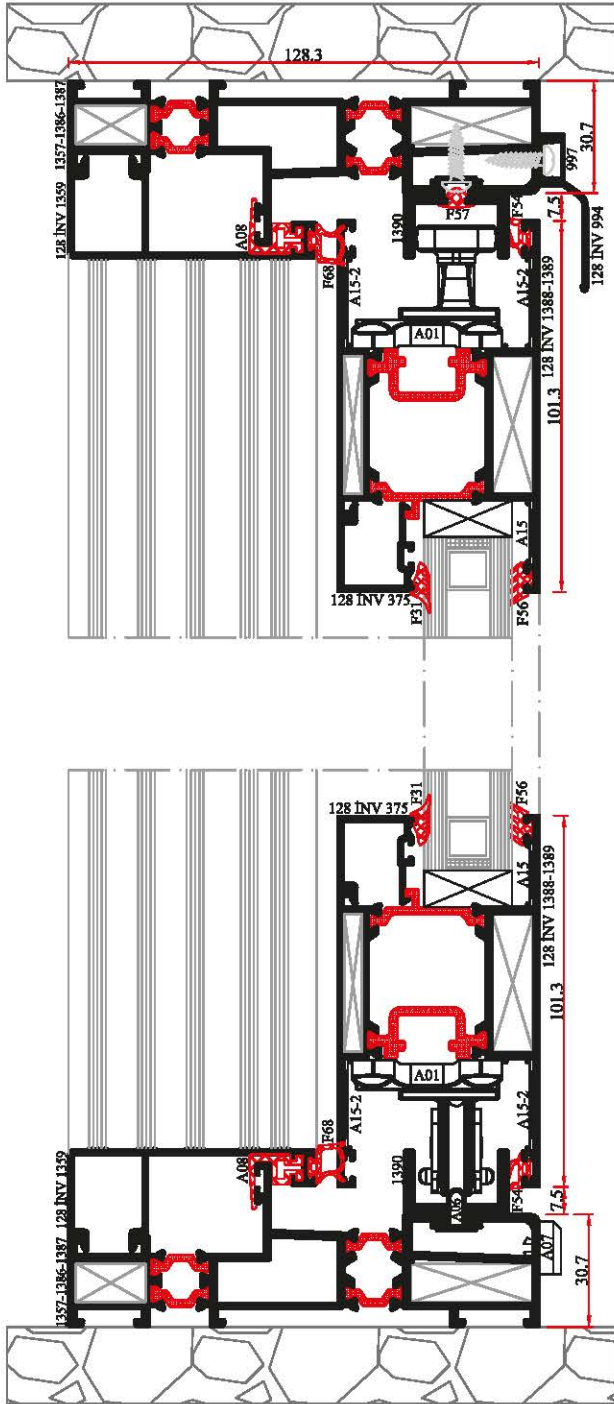
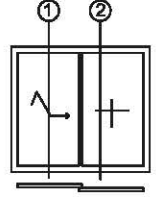
AKSESUAR KODU	AKSESUAR RESMİ	KULLANILDIĞI YER	AKSESUAR KODU	AKSESUAR RESMİ	KULLANILDIĞI YER
İNV 128 F56 İÇ CAM FİTİLİ 1 Koşide 12 kg/290 m			İNV 128 F51 İÇ CAM FİTİLİ 1 Koşide 12 kg/290 m		
İNV 128 F54 KANAT FİTİLİ 1 Koşide 5 kg/125 m			İNV 128 F68 KASA-KANAT YALITIM FİTİLİ 1 Koşide 12 kg/130 m		
İNV 128 F97 KASA KAFAMA FİTİLİ 1 Koşide 12 kg/250 m			İNV 128 A88 SABİT ÇİTA PLASTİKİ 1 BOY 6 M		
İNV 128 A29 KENET PROFİLİ 1 BOY 6 M			İNV 128 A31 PVC KANALLI PLASTİK 1 BOY 6 M		
İNV 128 A06 URAY			İNV 128 A07 TAHLİYE TAPASI		
İNV 128 A01 200 kg İNOVA SÜRME AKSESUAR SETİ			İNV 128 A15 KÖŞE ÇAVUŞU		
İNV 128 A01-1 400 kg İNOVA SÜRME AKSESUAR SETİ			İNV 128 A15-2 KÖŞE ÇAVUŞU		
İNV 128 A30 KENET KAPAĞI 1 Paket 3D Adet					



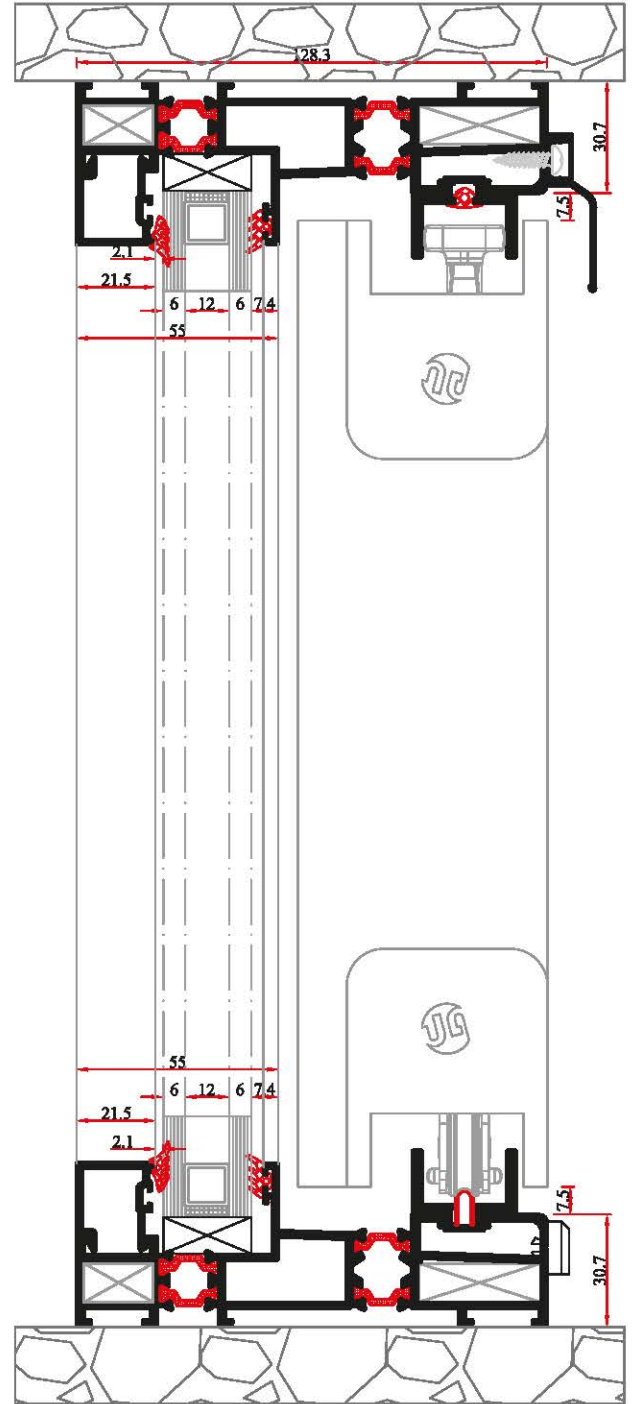
ÖLÇEK:1/2



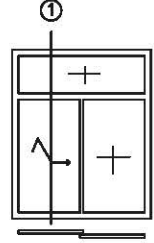
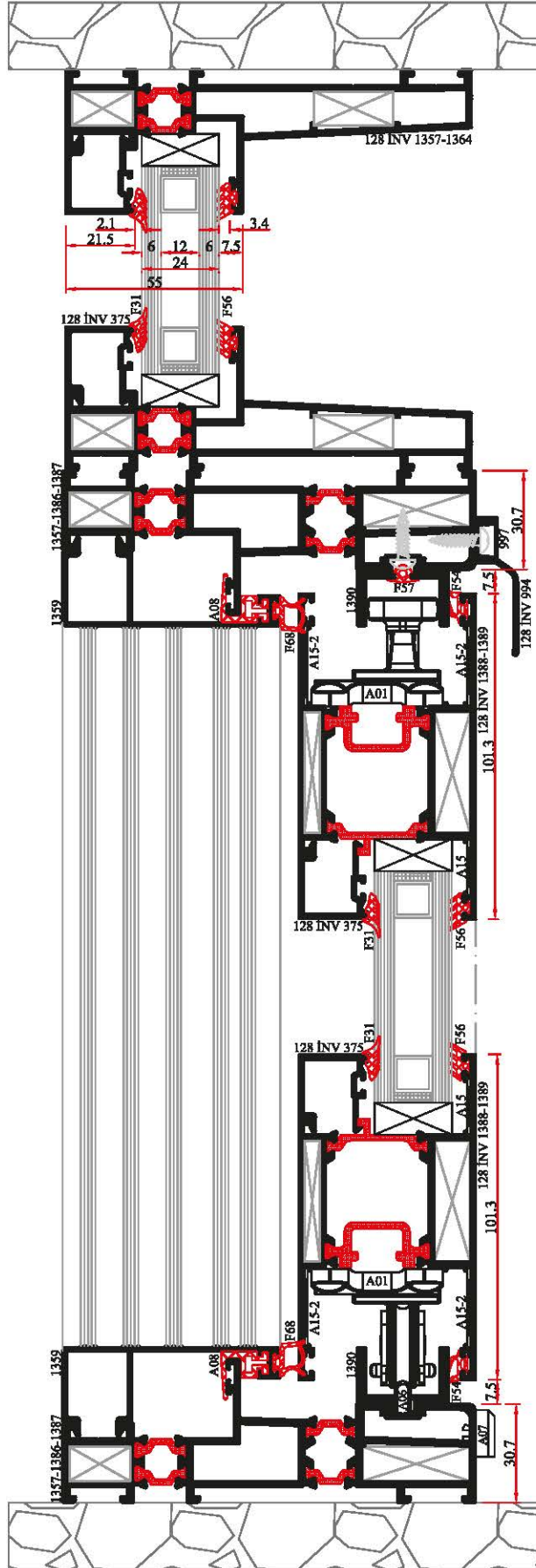
ÖLÇEK:1/2



1 NOLU DETAY



2 NOLU DETAY



ÖLÇEK:1/2

1 NOLU DETAY