



Star's Aluminium & Glass Company L.L.C

شركة النجوم للزجاج والالمنيوم



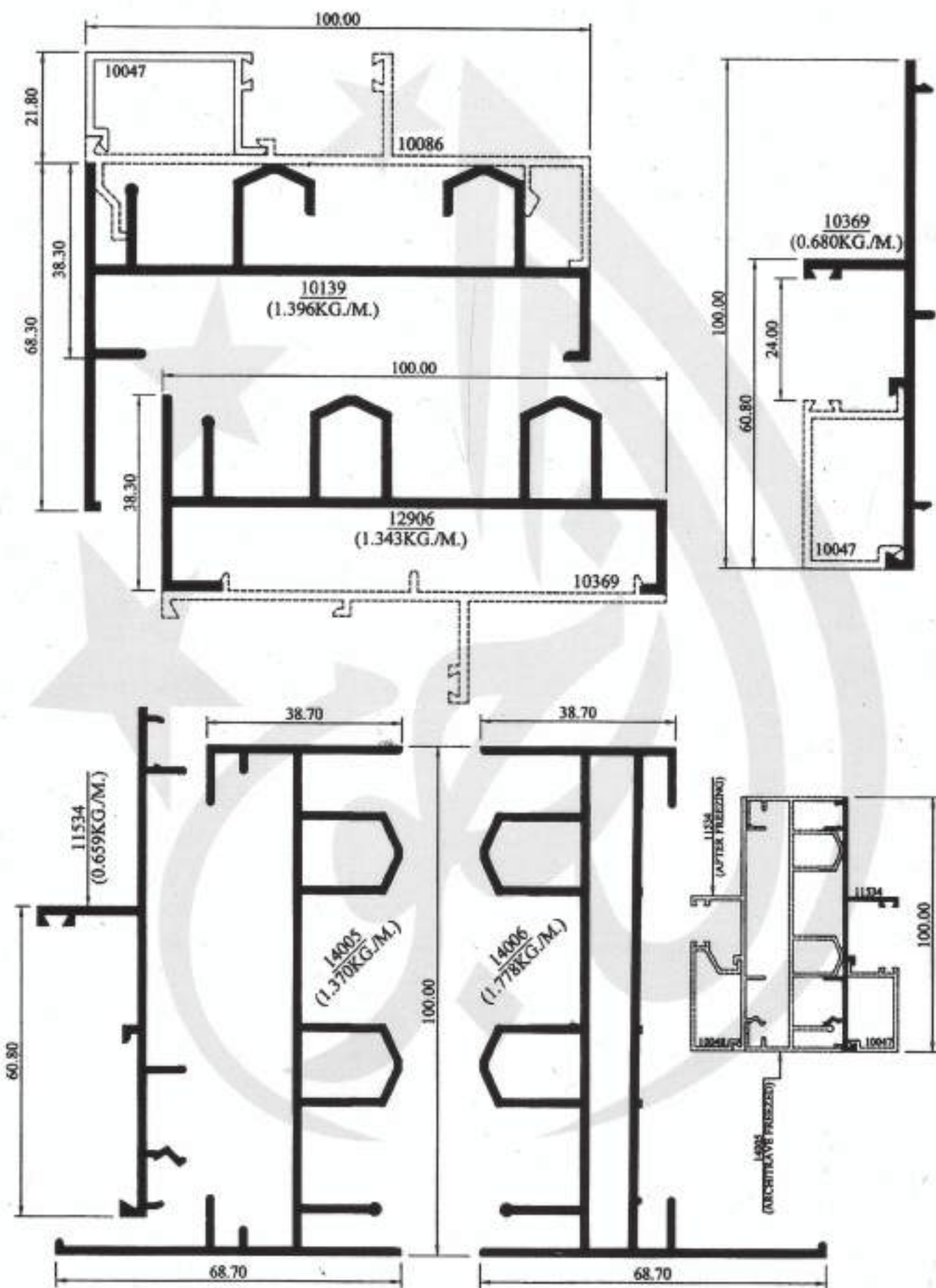
COMPANY PROFILE

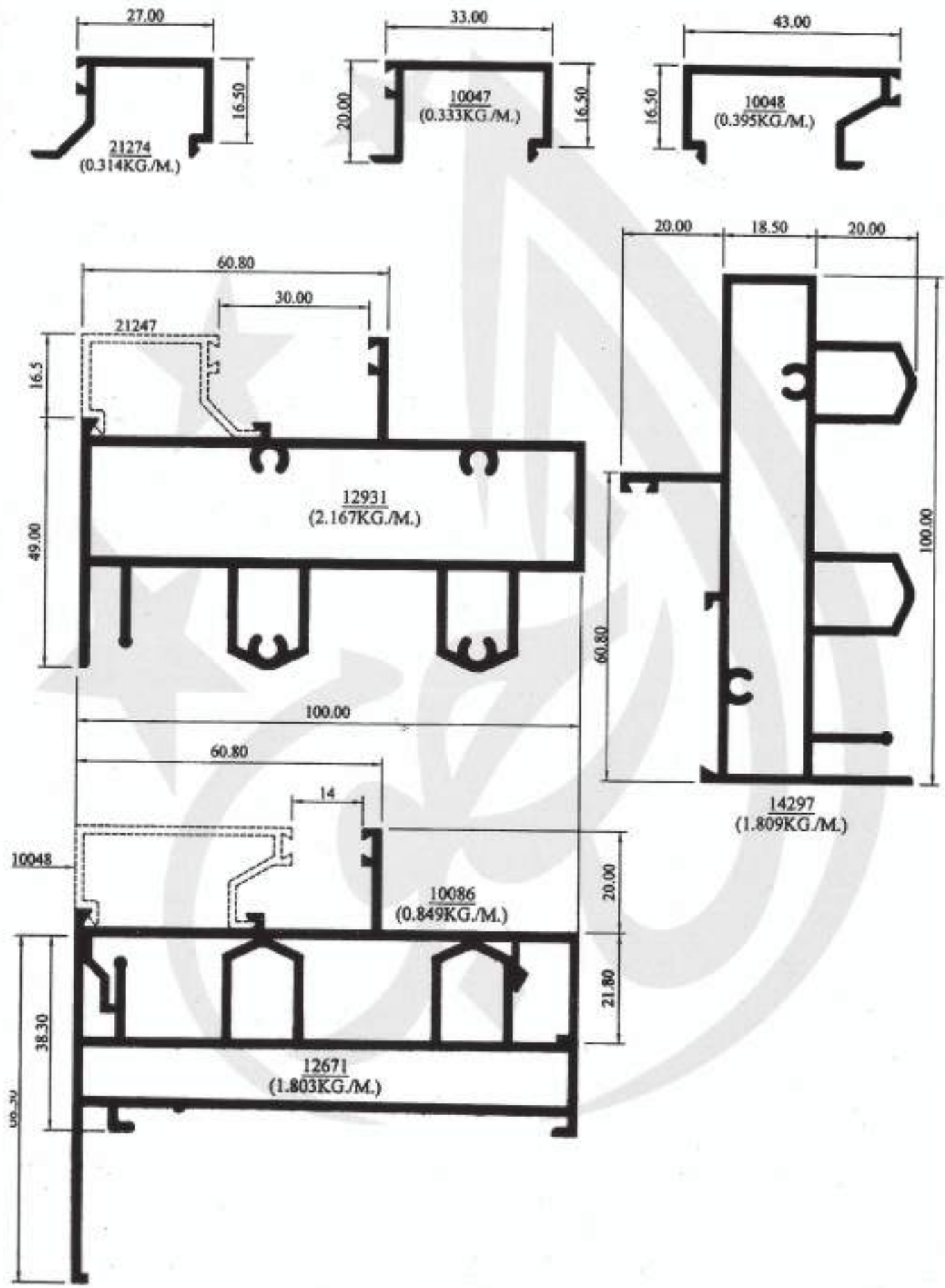
Since 1981, as Star's Aluminium & Glass Co., we have always worked hard to give our customers personalized solutions and to create new possibilities for them. The substantial investments we have made in recent years and our employees high level of expertise make it possible for us to give them the most complex parts to meet our customer's specific needs. Our reputation for excellence is based on quality and innovation.

Our Aluminium & Glass Company has proved its capability in supplying the versatile and practical solution for the demanding architects. We are the subdealer (trader) of all Aluminium Profiles from different extrusions. Our expansive aluminium product offering includes sliding 105mm & 125mm, hinged 45 mm, thermal break, curtain wall, vortex 70mm and all types of glass accessories. We also specialize in glass designing and other services such as Tempering, Polishing, Beveling and many more.

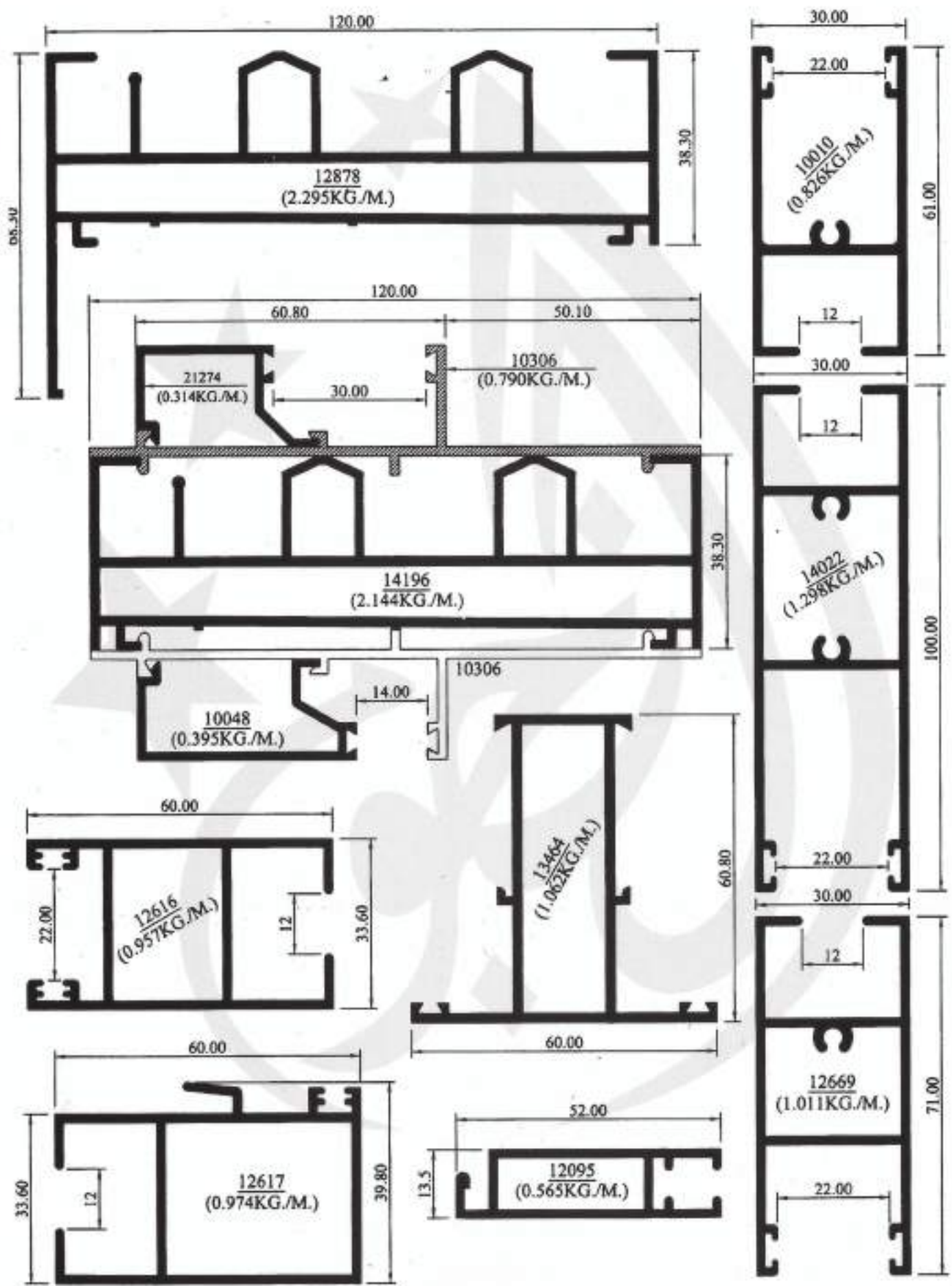
With many years of experience, we can guide our customers through all the steps in developing their products. We strongly re-enforce our commitment to this large, important and competitive growth market.

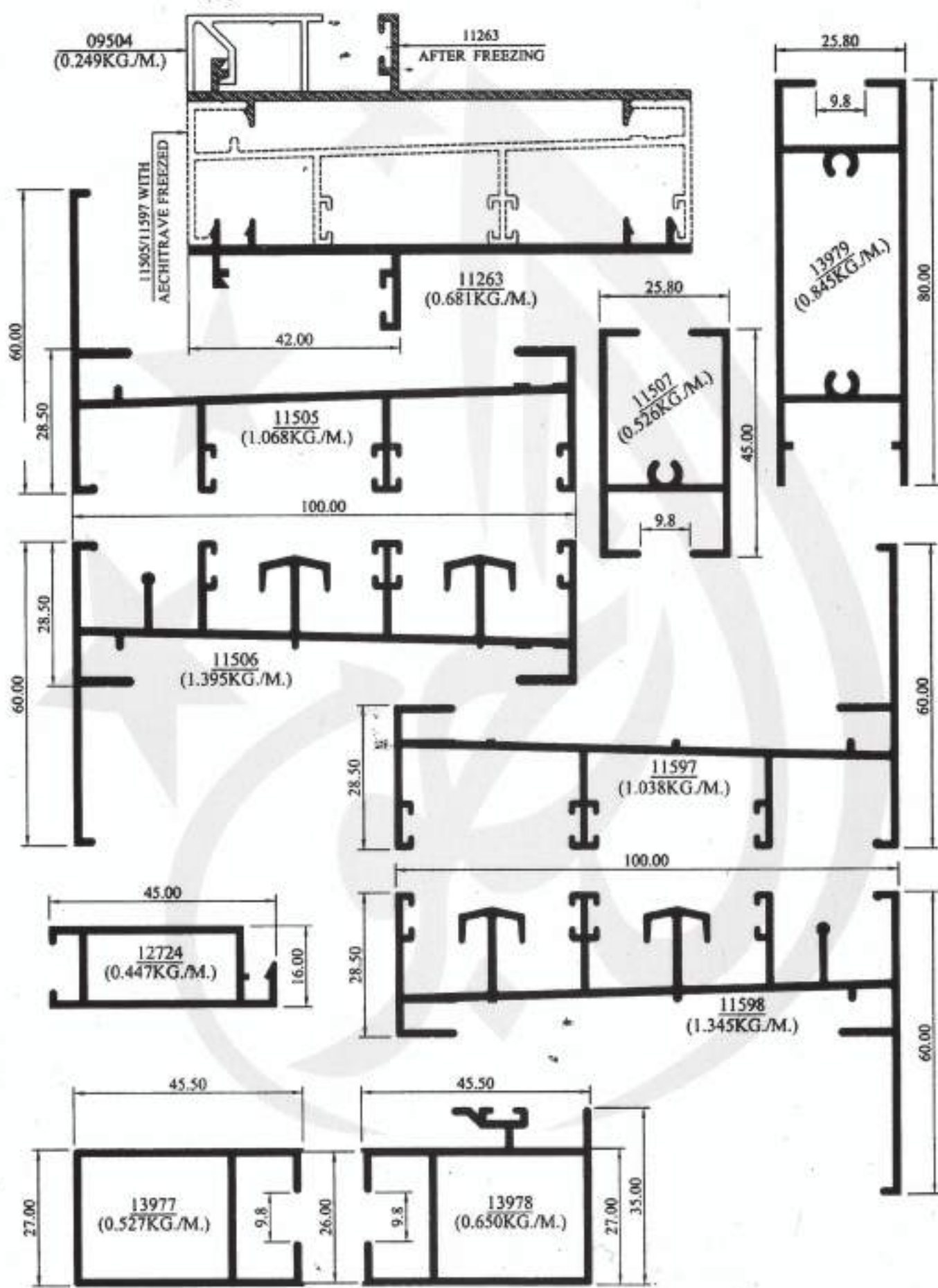
We're always ready for customers and a chance to show our superior customer service today and in the future.

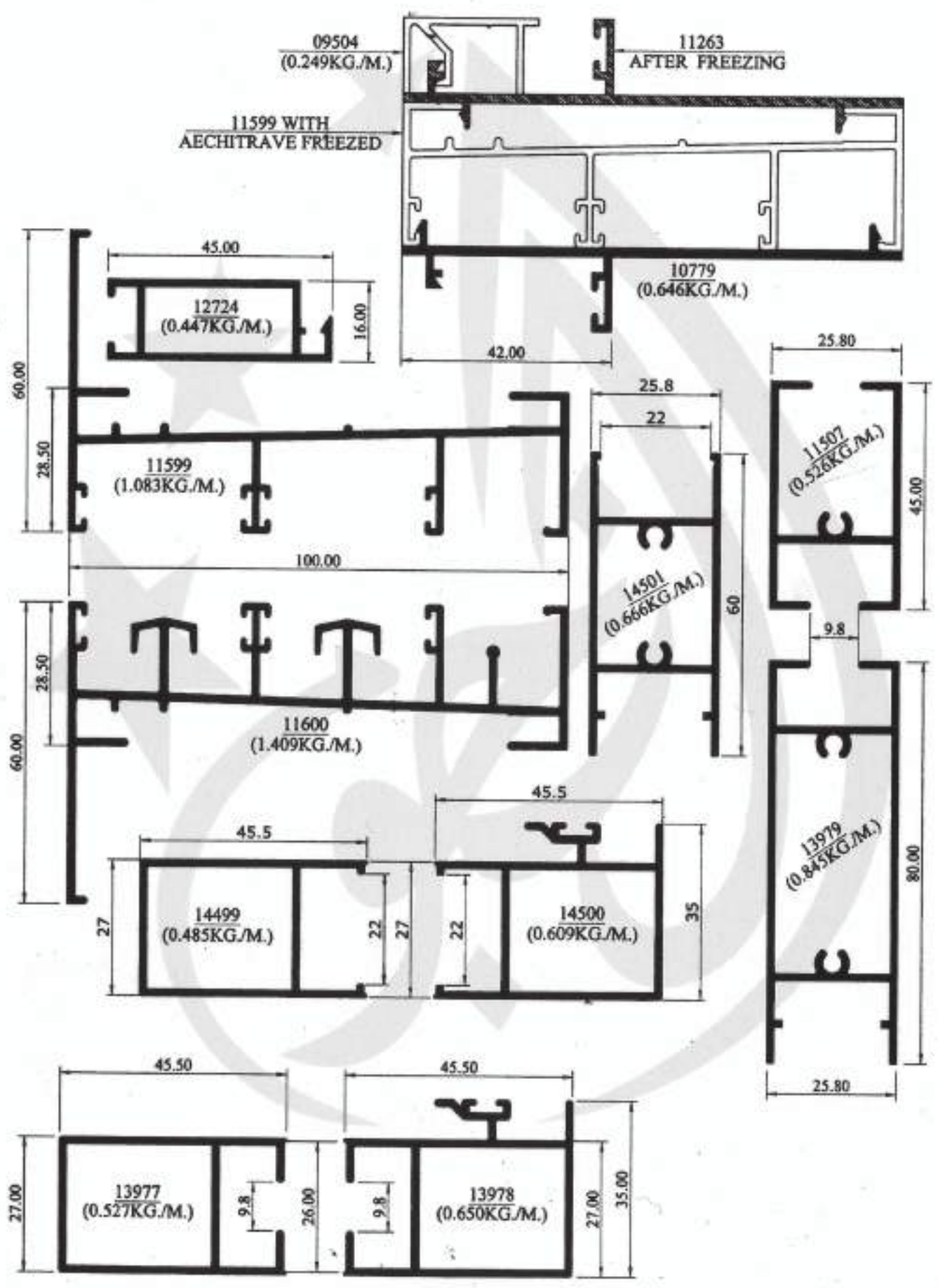


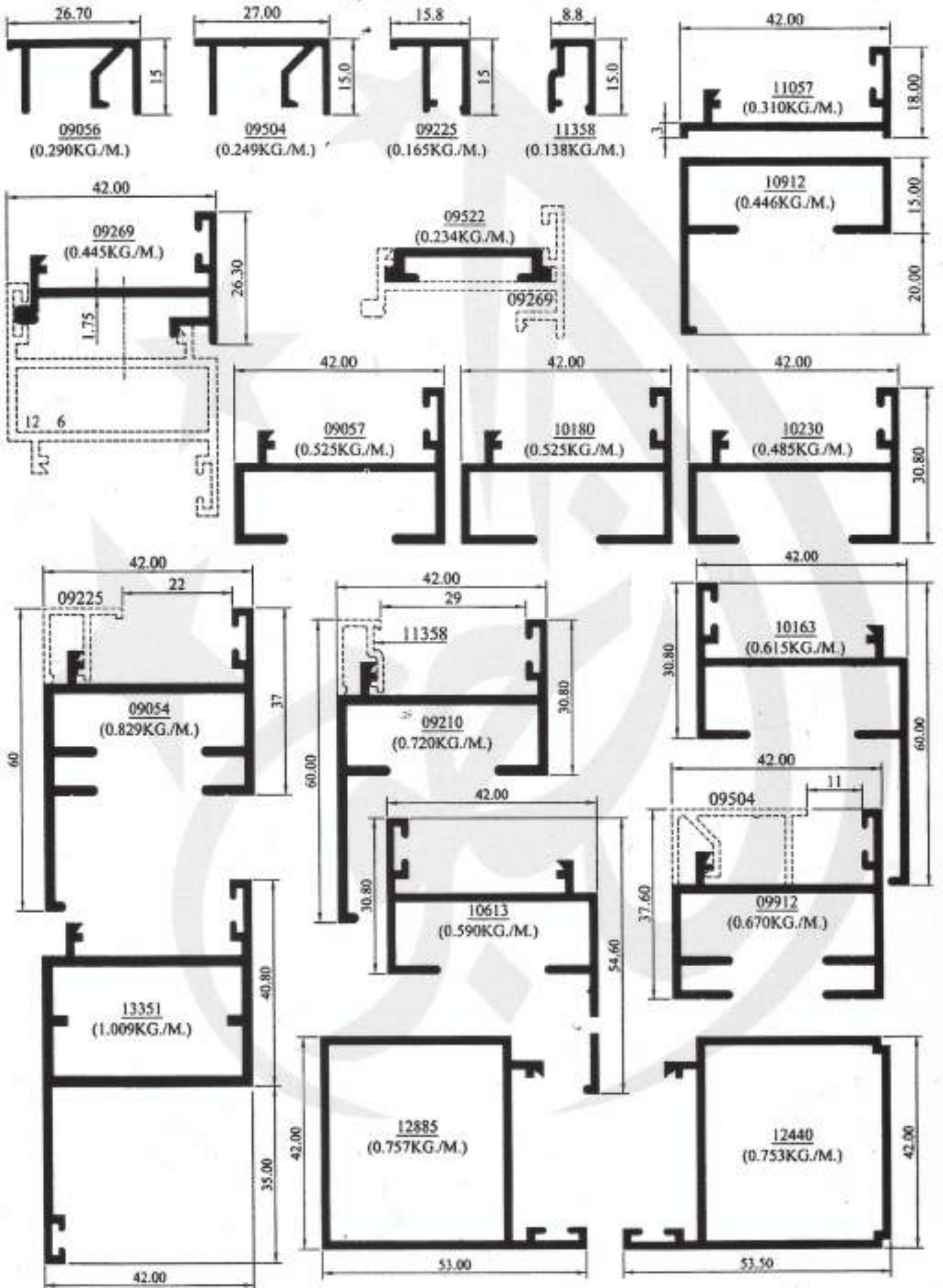


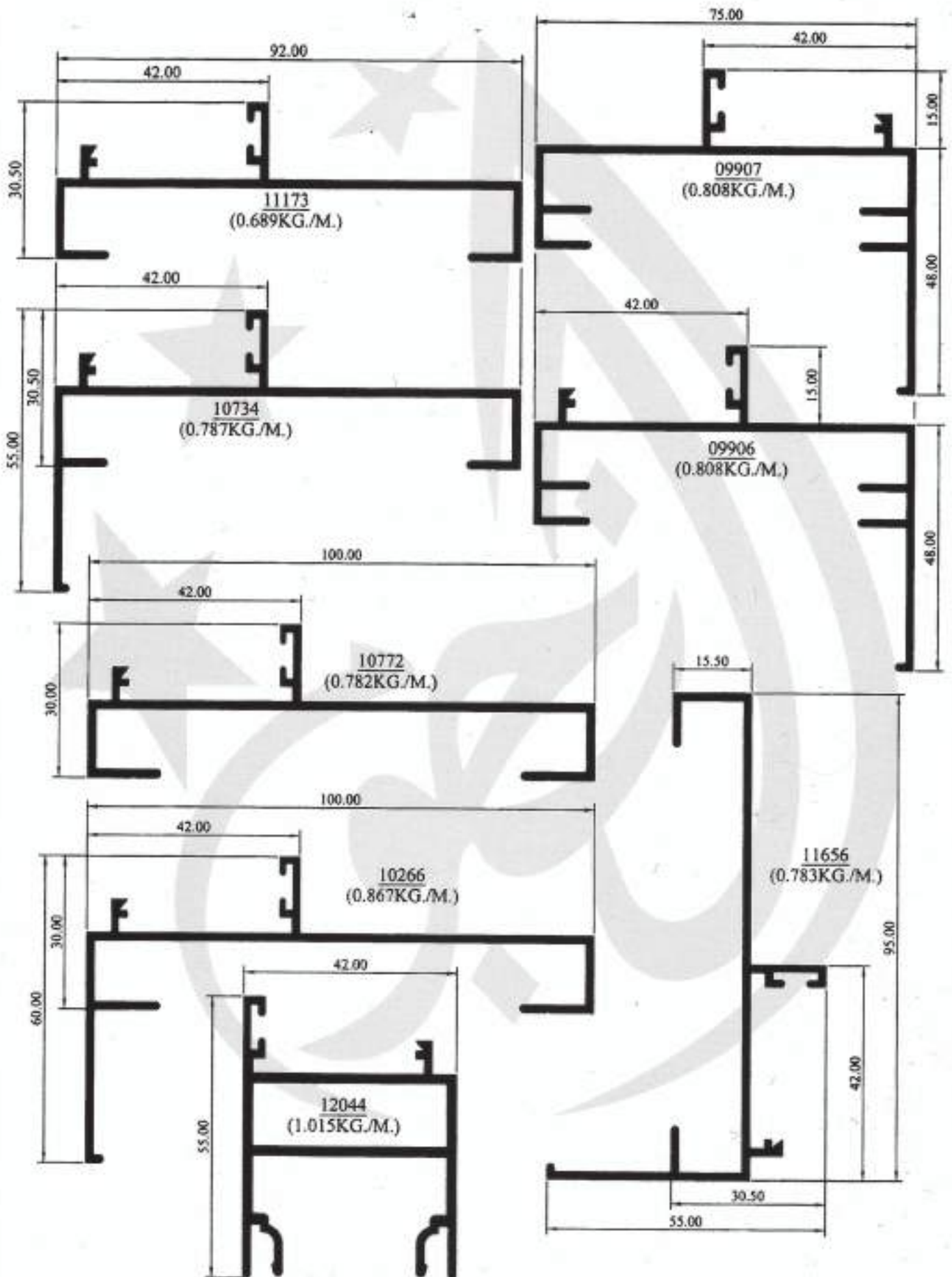


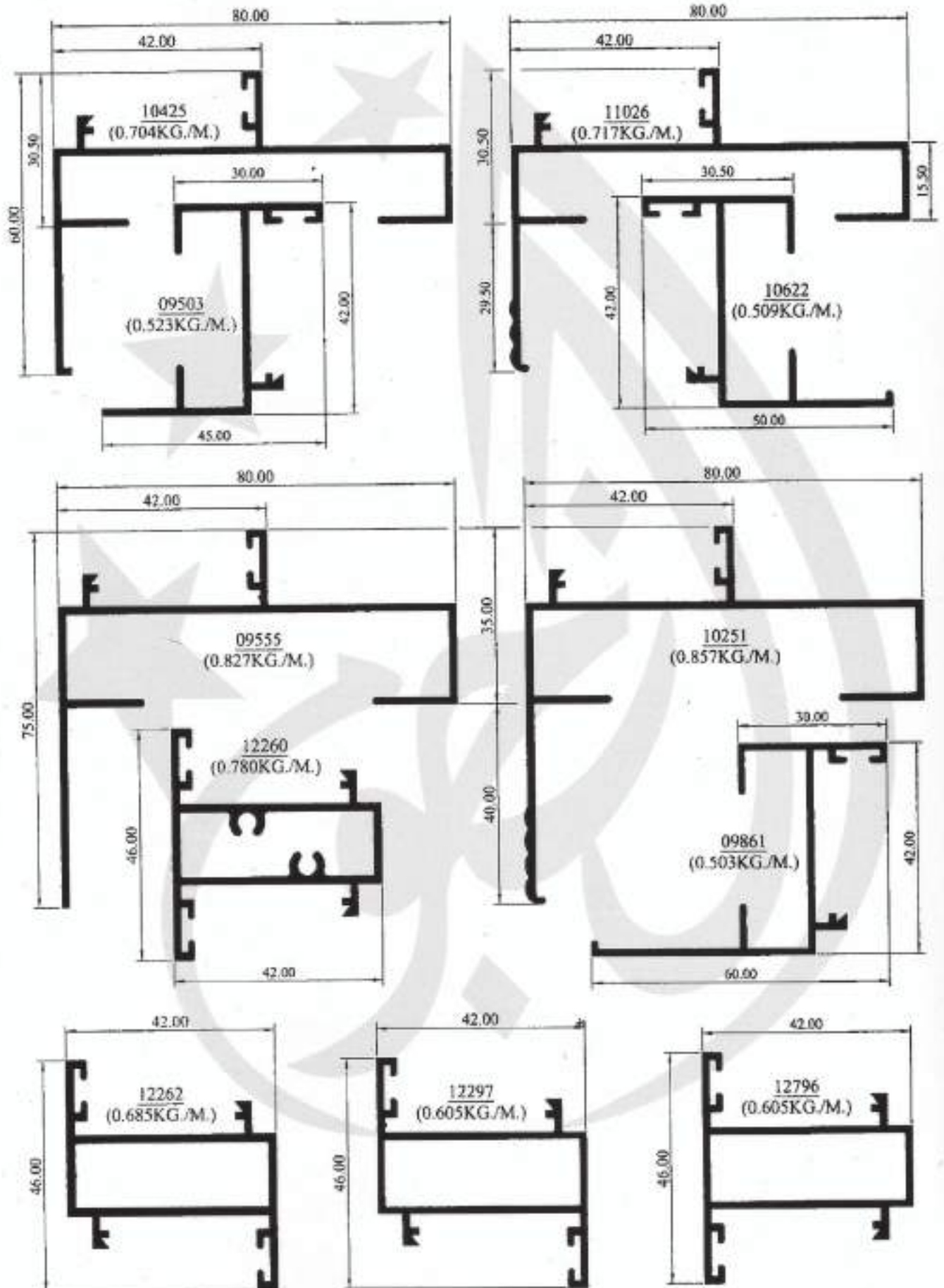


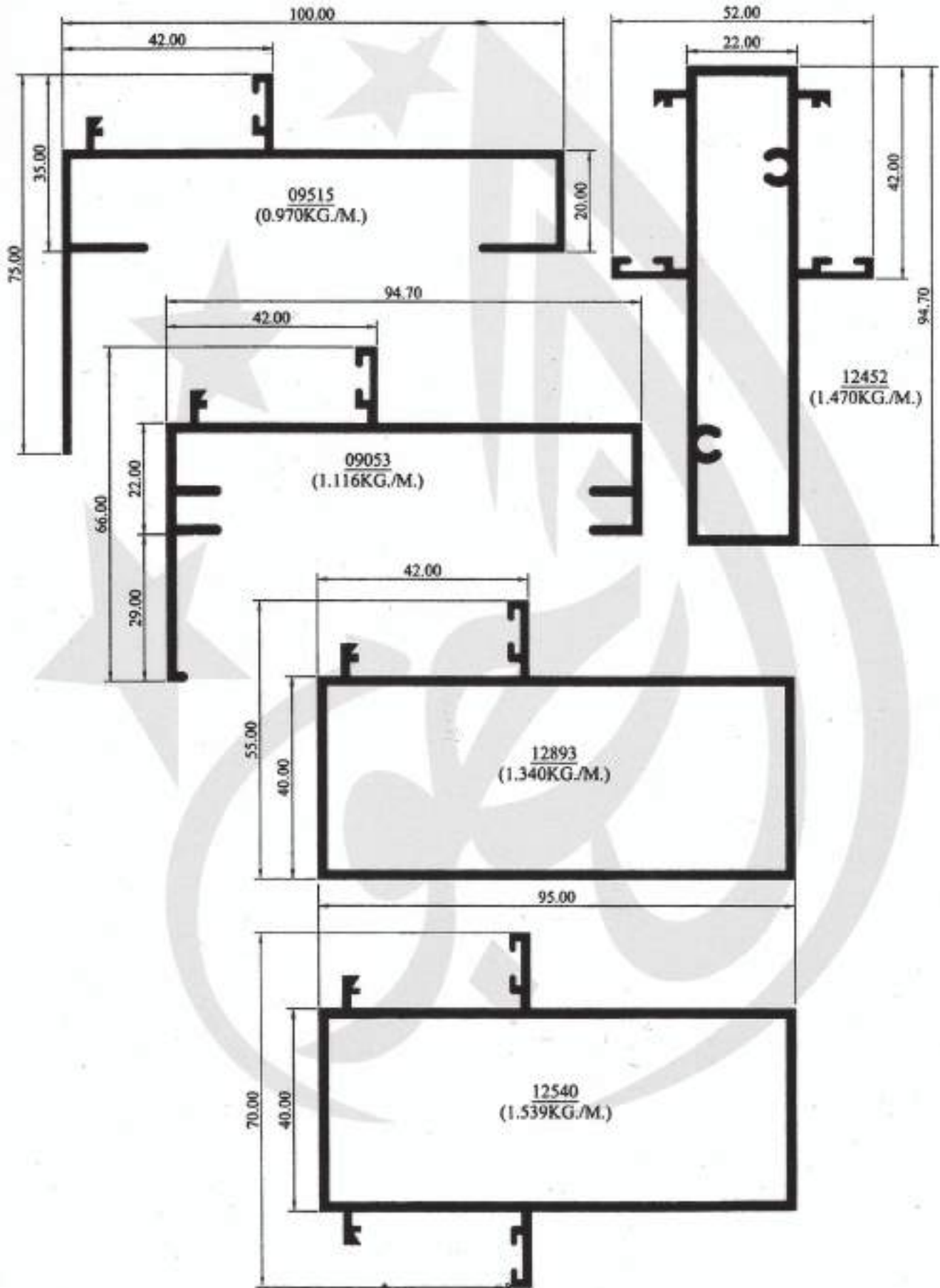


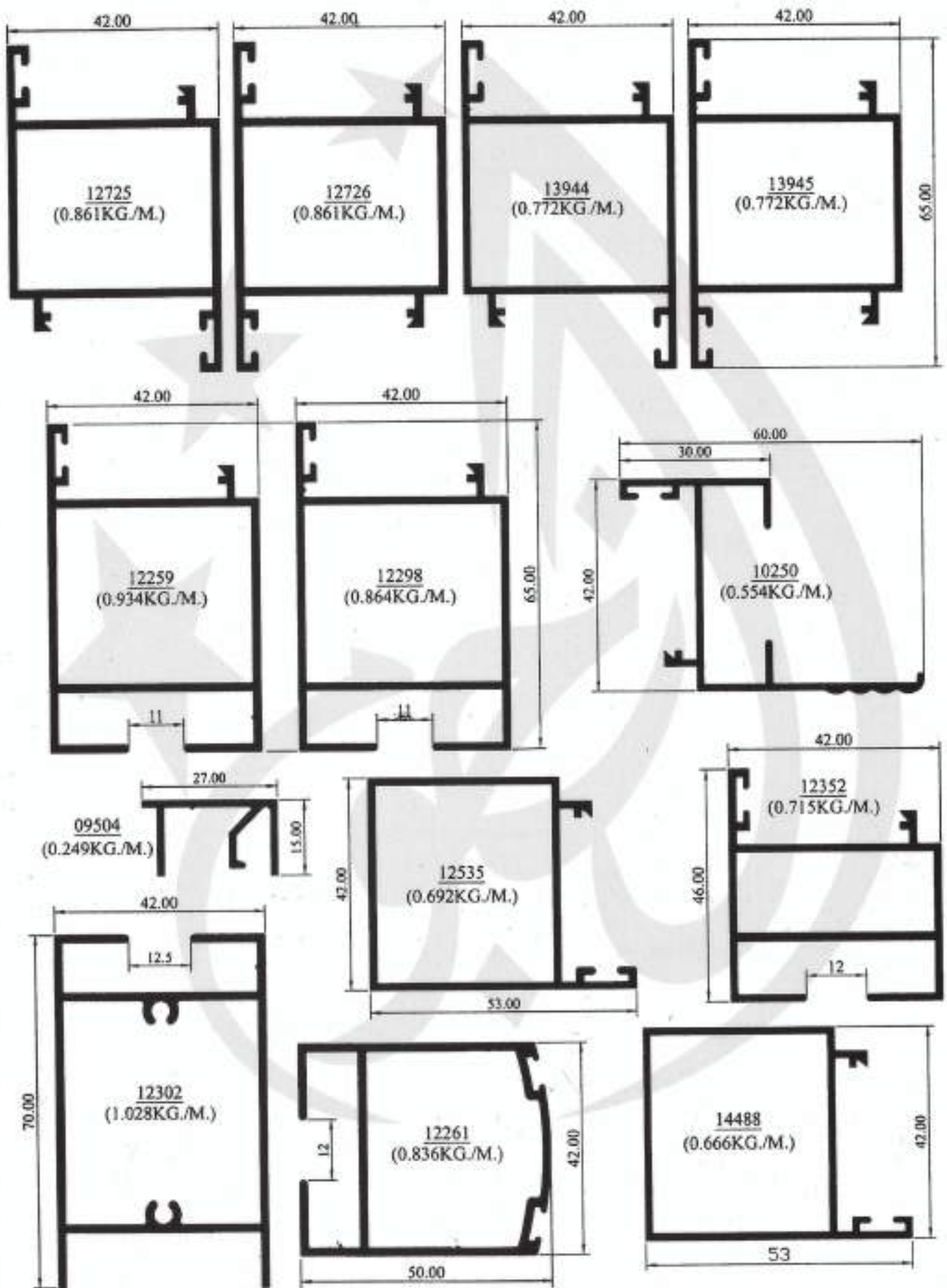






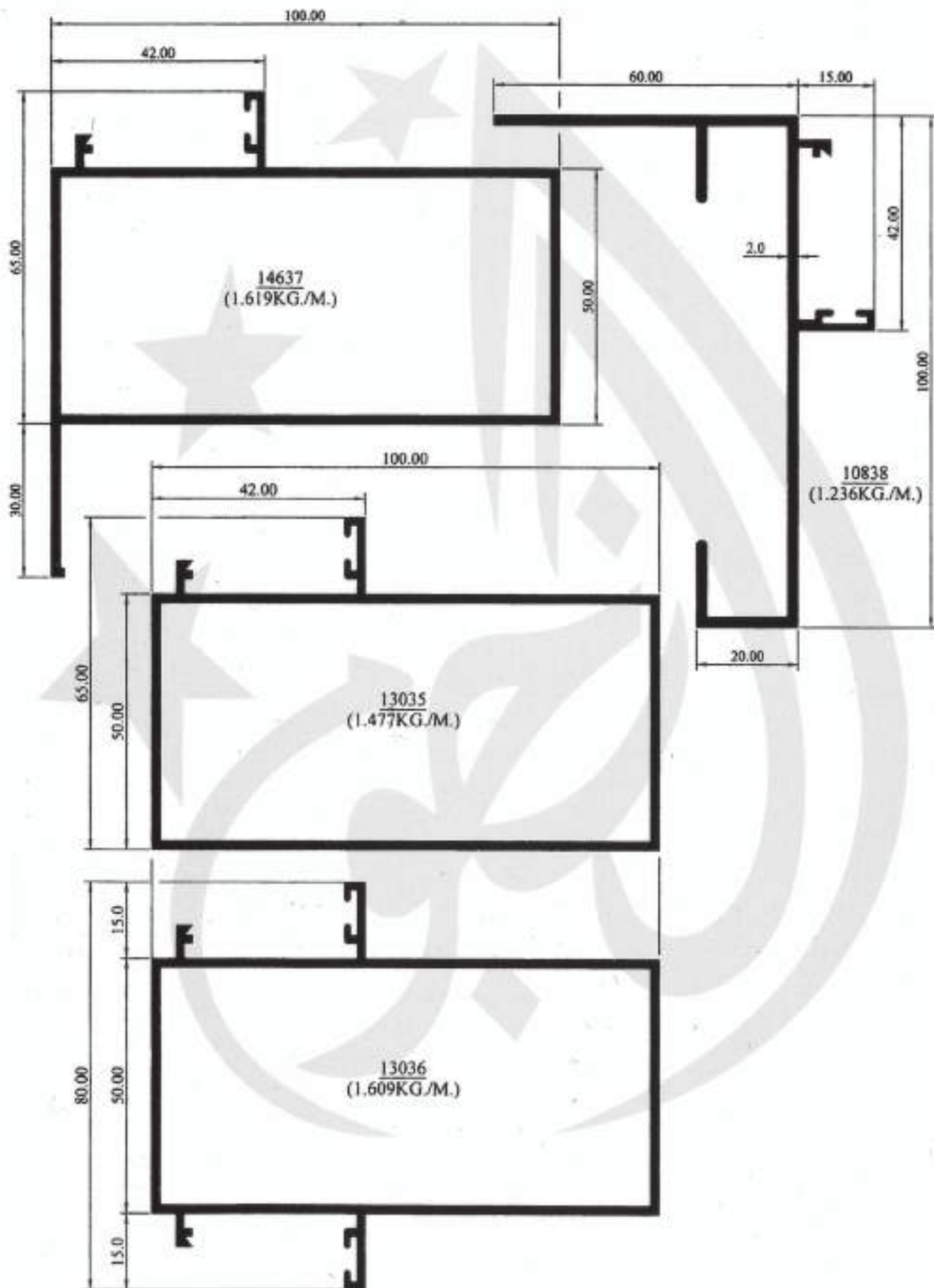


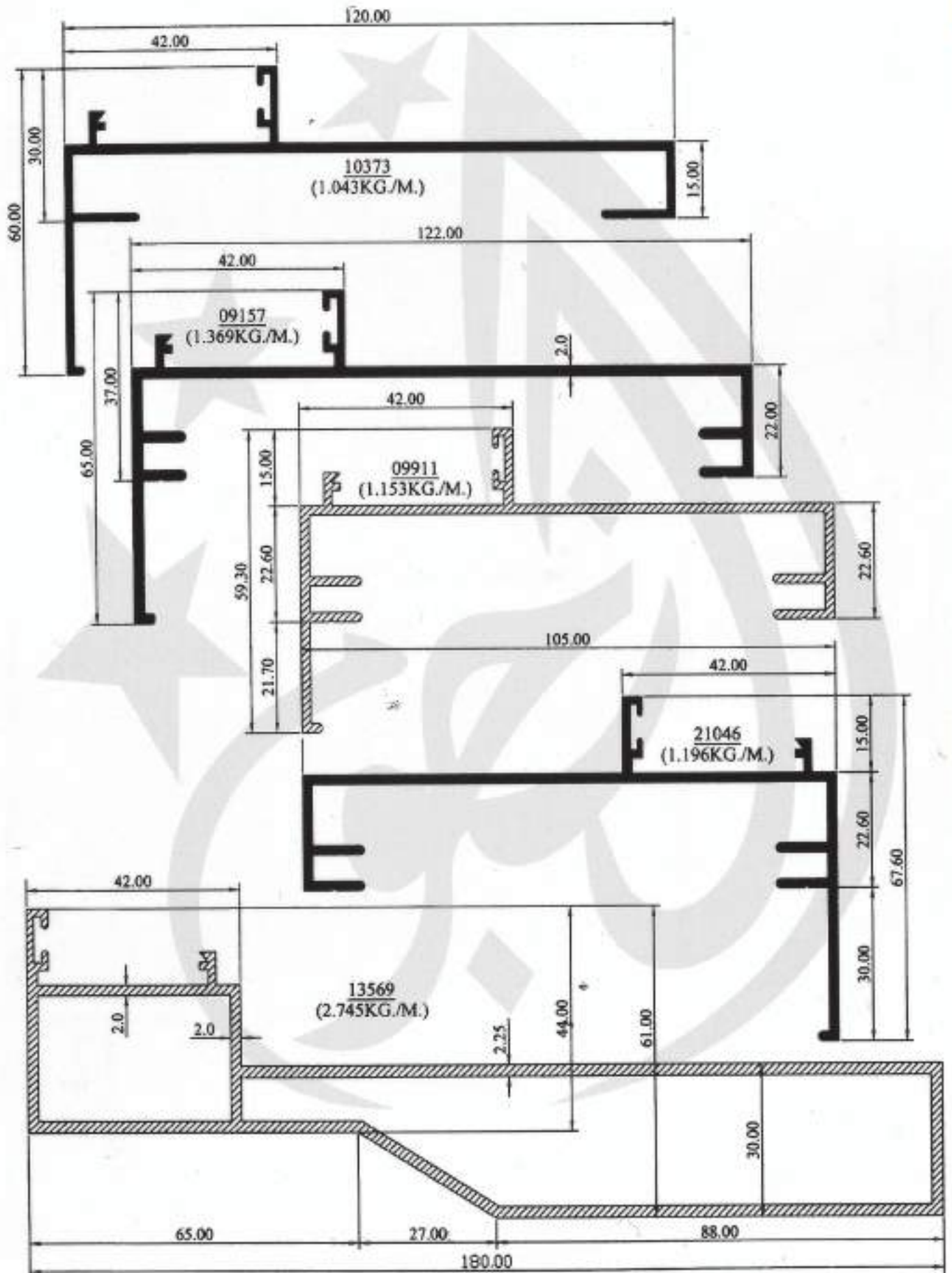


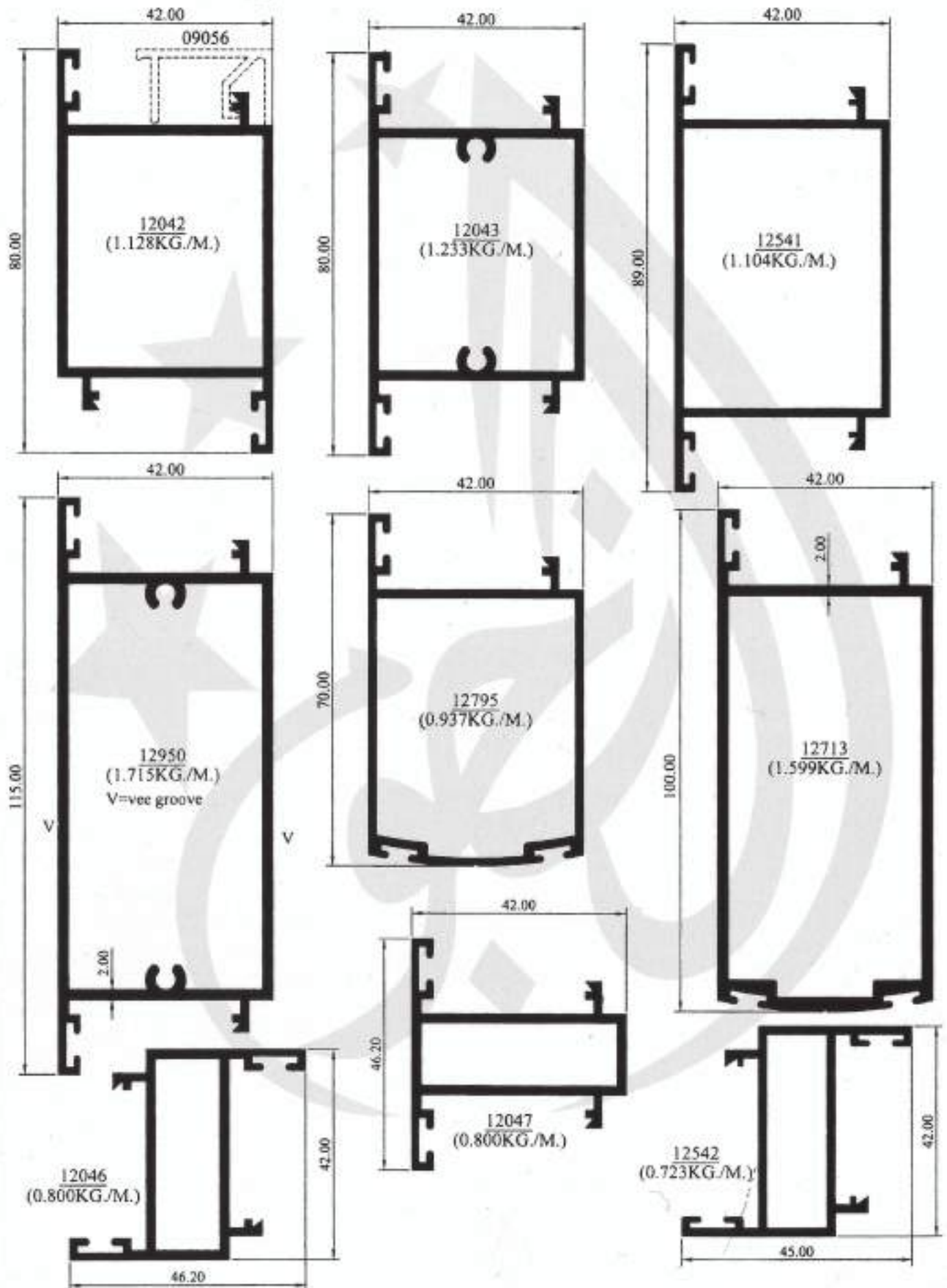


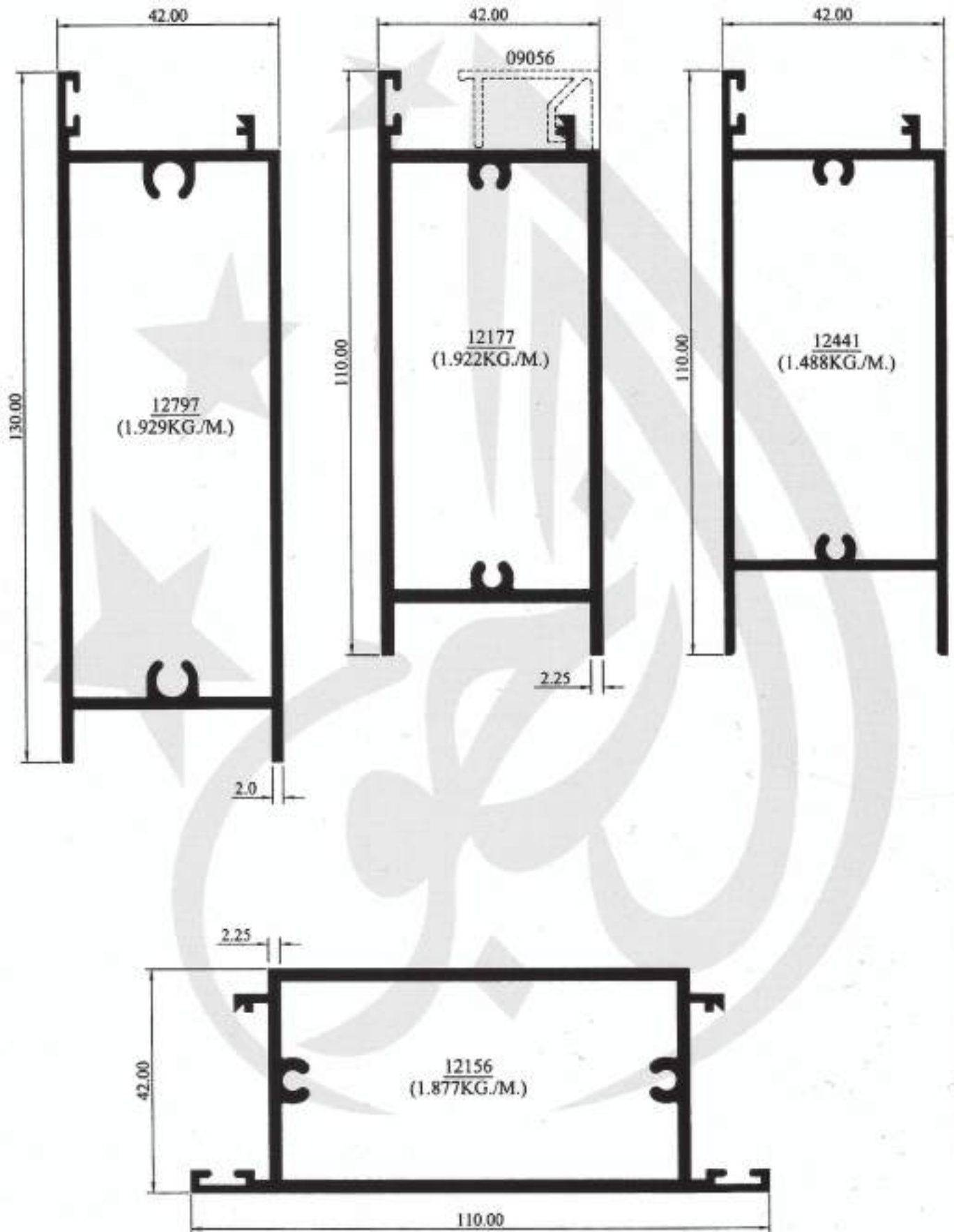


19 cm Hinged Door



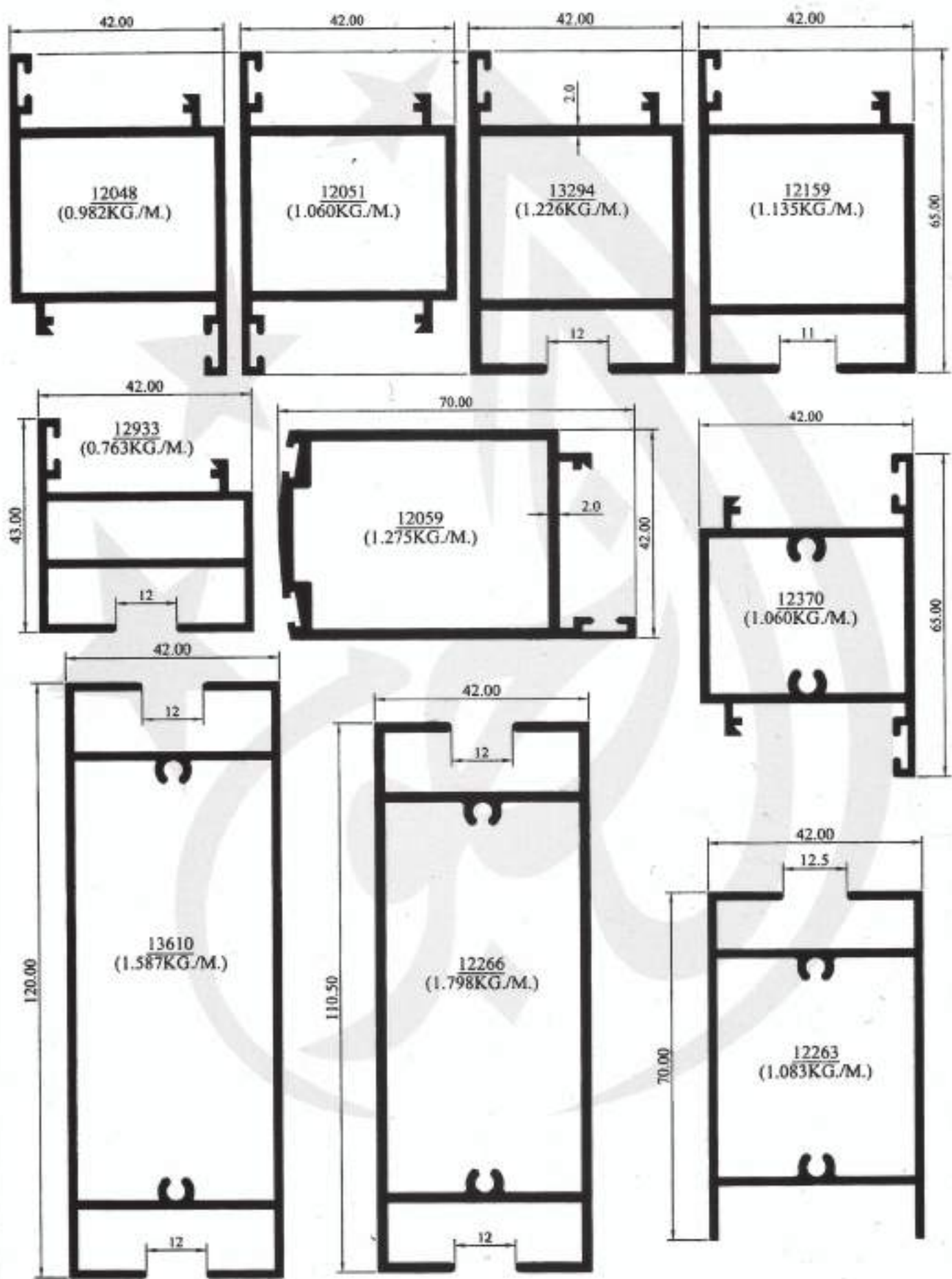


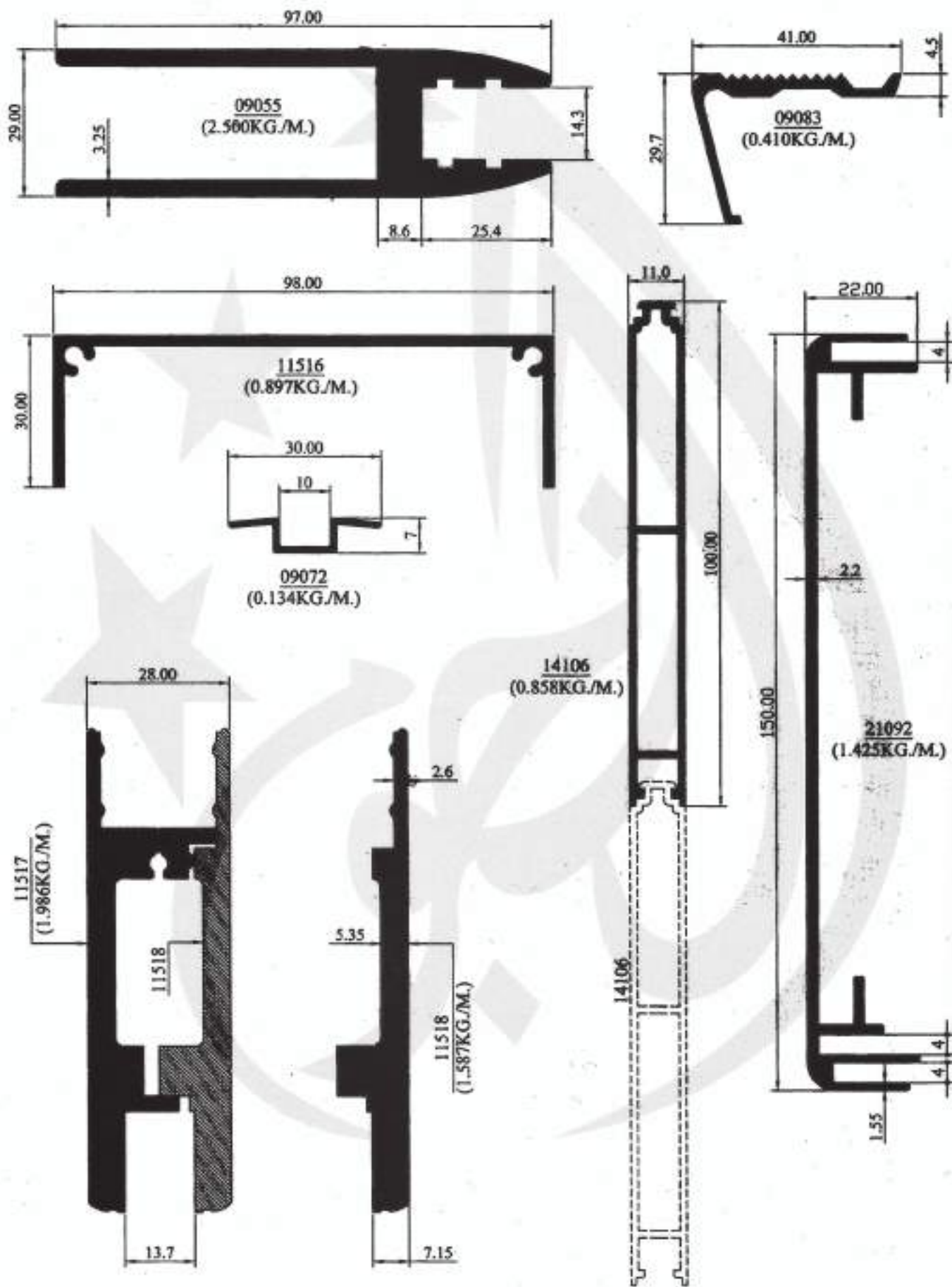






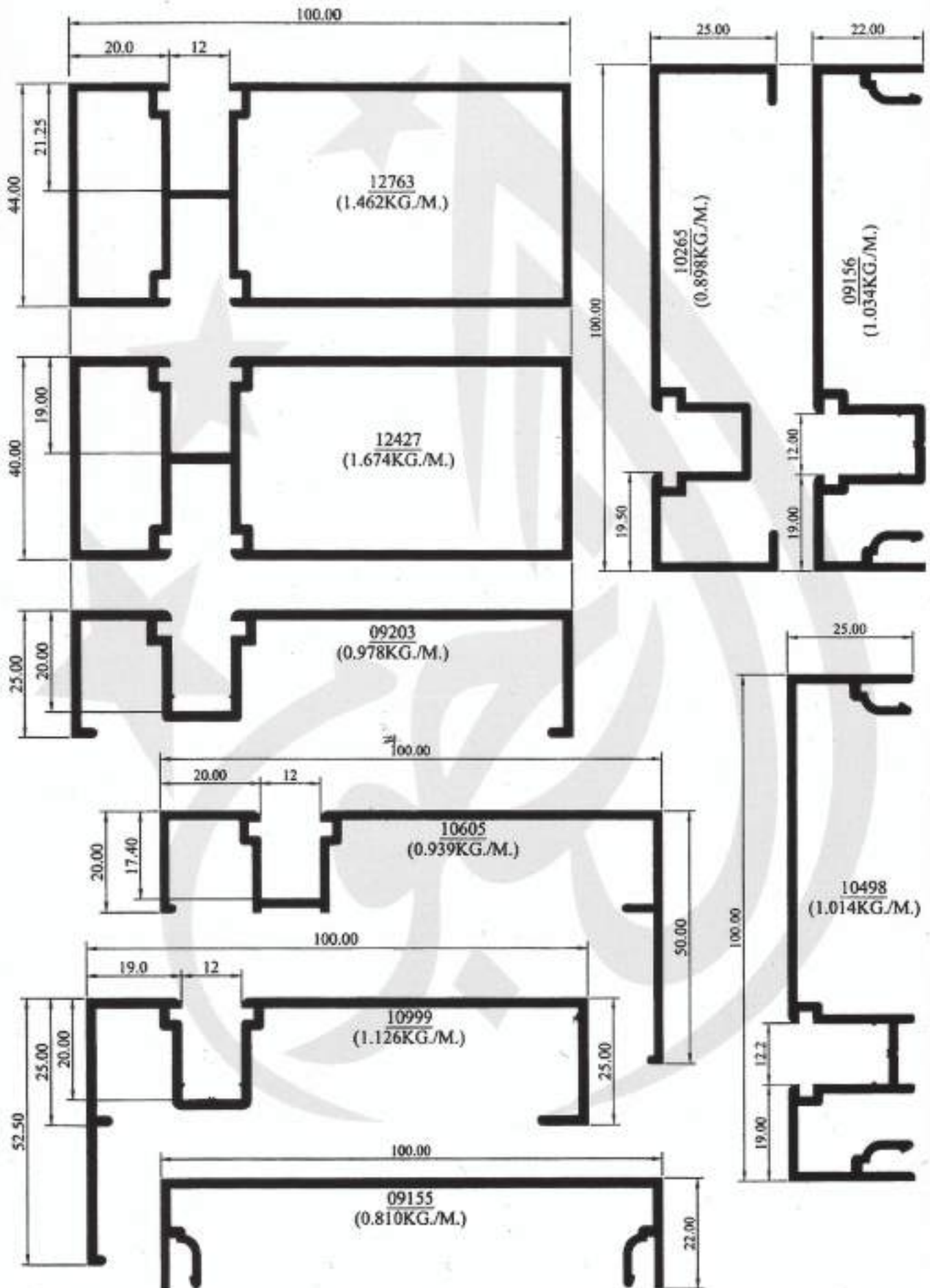
10 cm Hinged Door

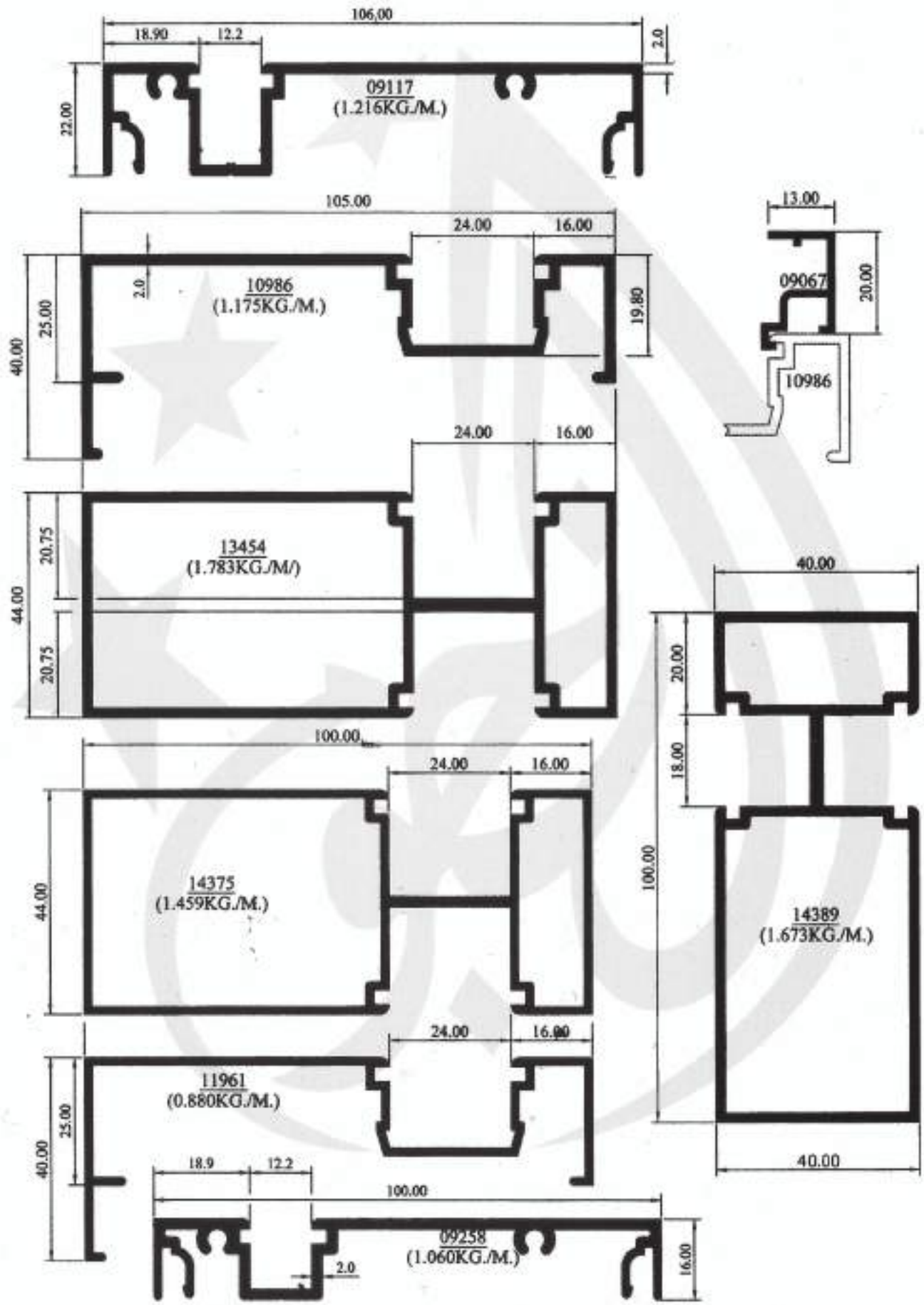


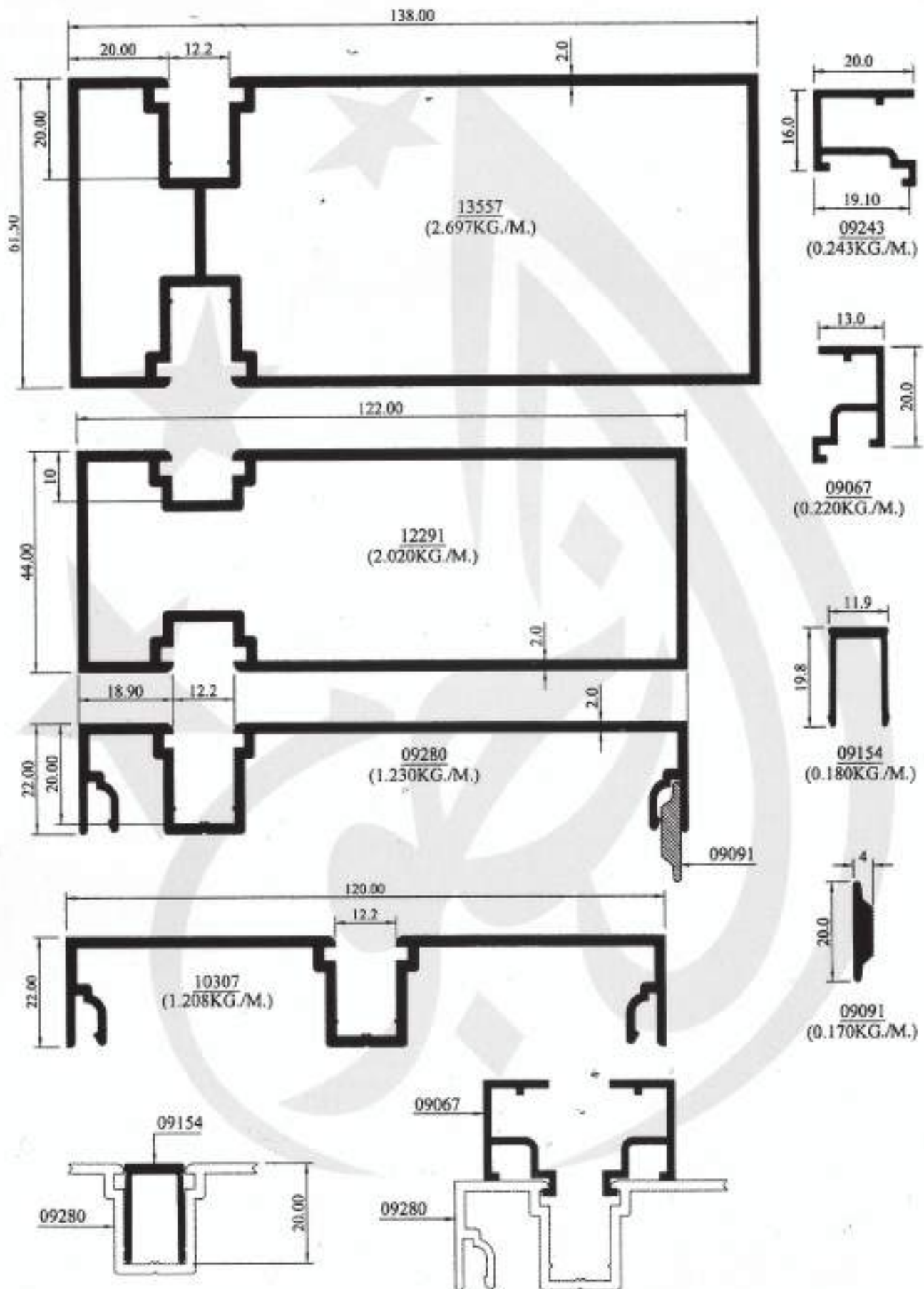


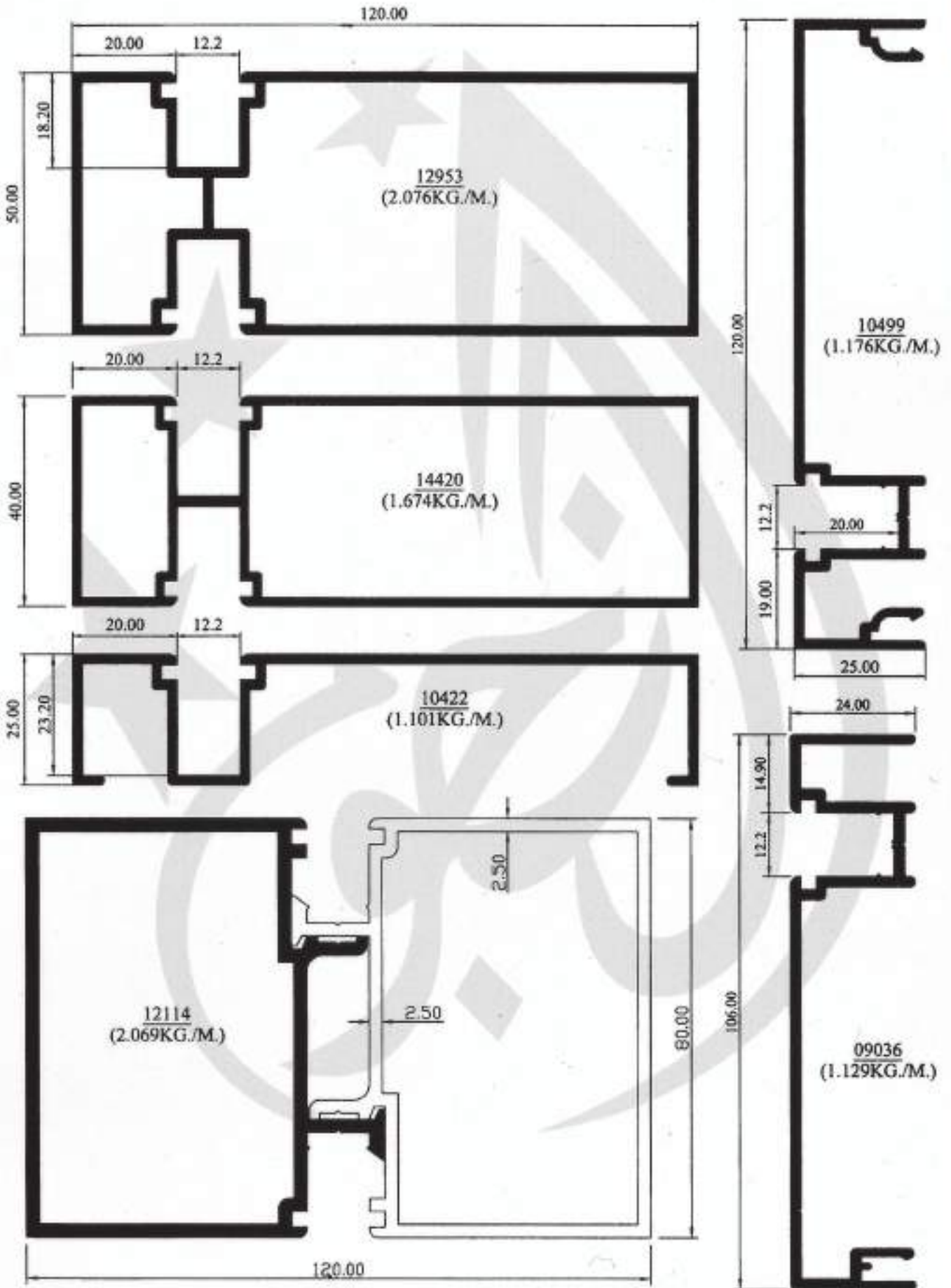


10 on Sliding Door



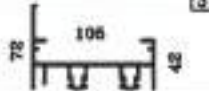
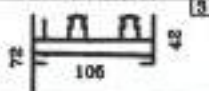
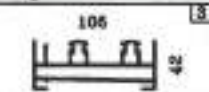
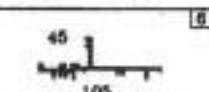
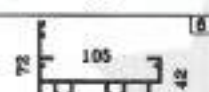
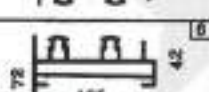
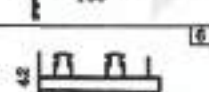
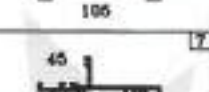
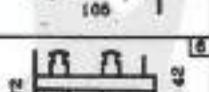
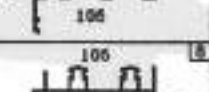
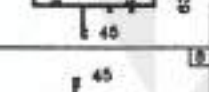
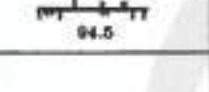

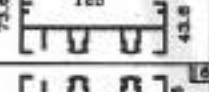
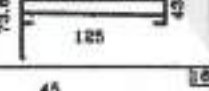
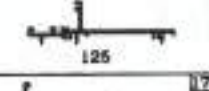
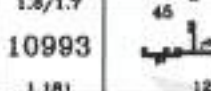
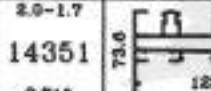
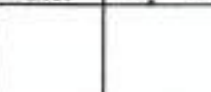
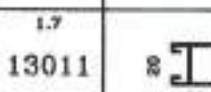
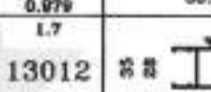
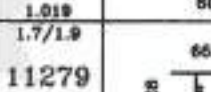
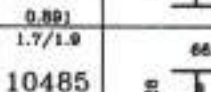
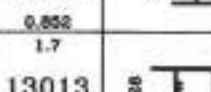
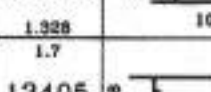
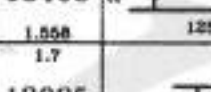
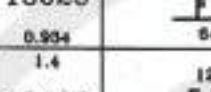
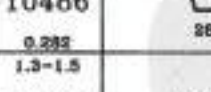
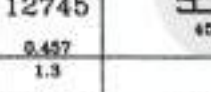
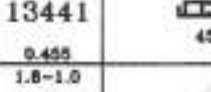
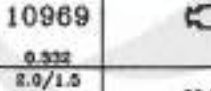
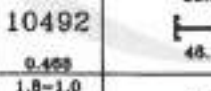
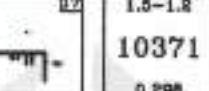
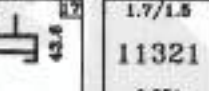

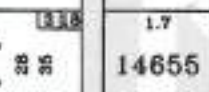
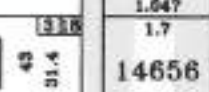
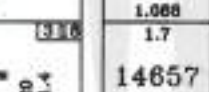
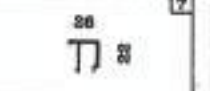
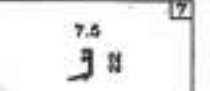

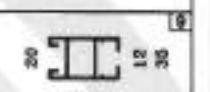
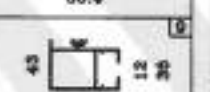
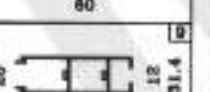

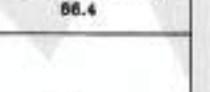





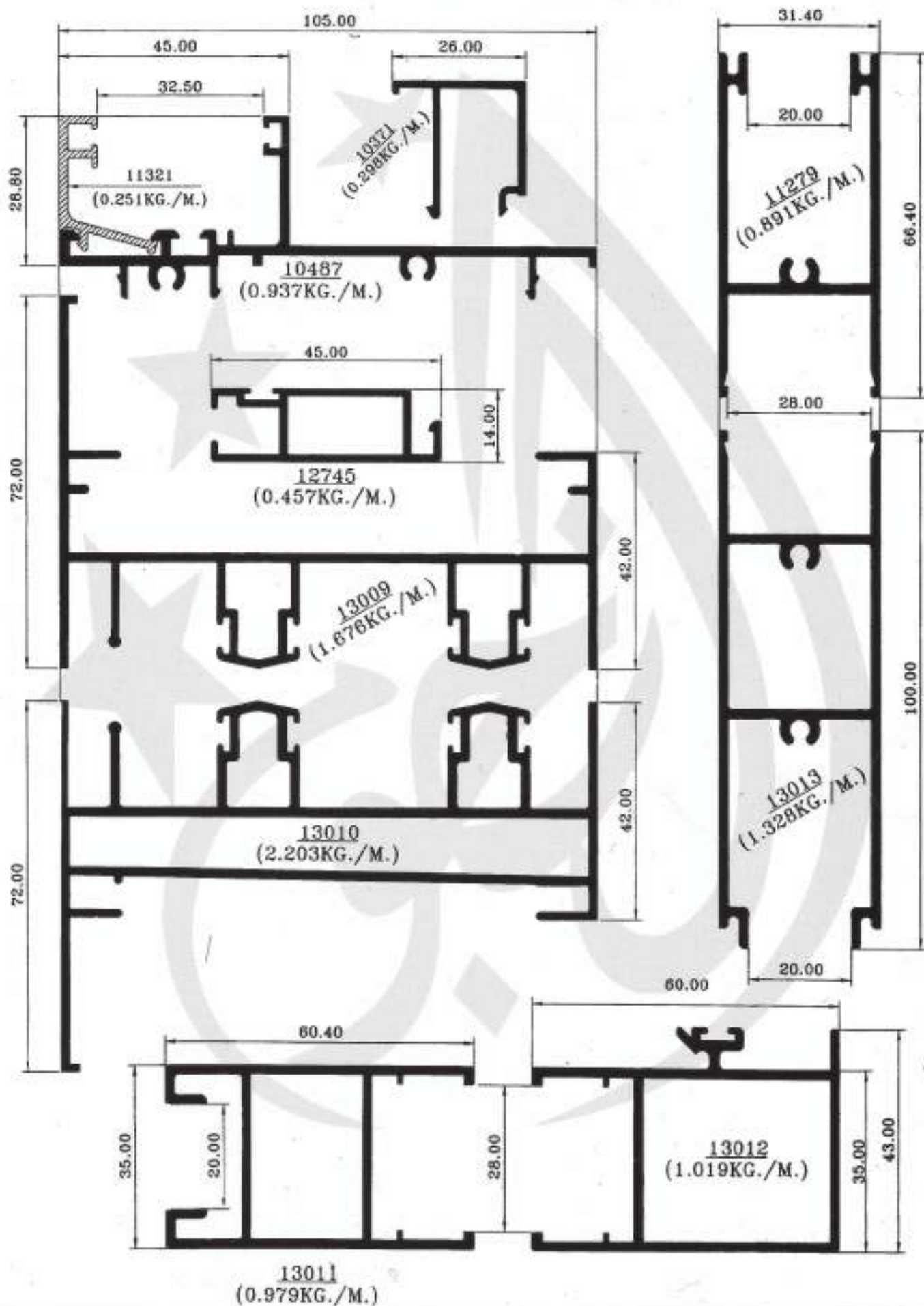


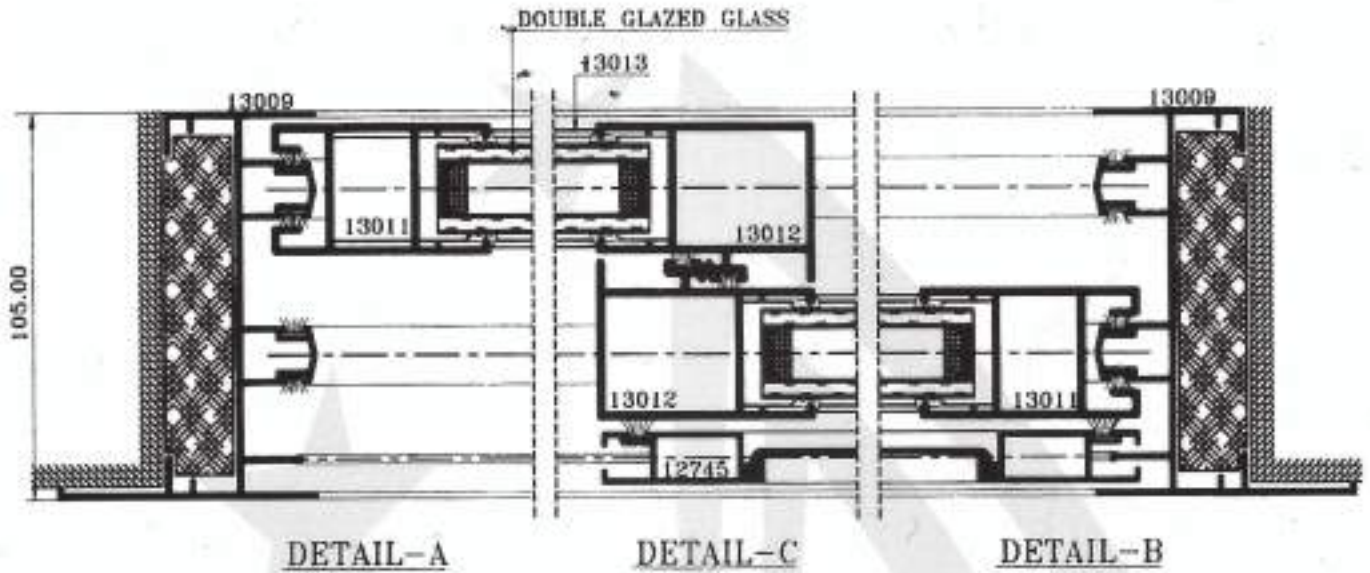




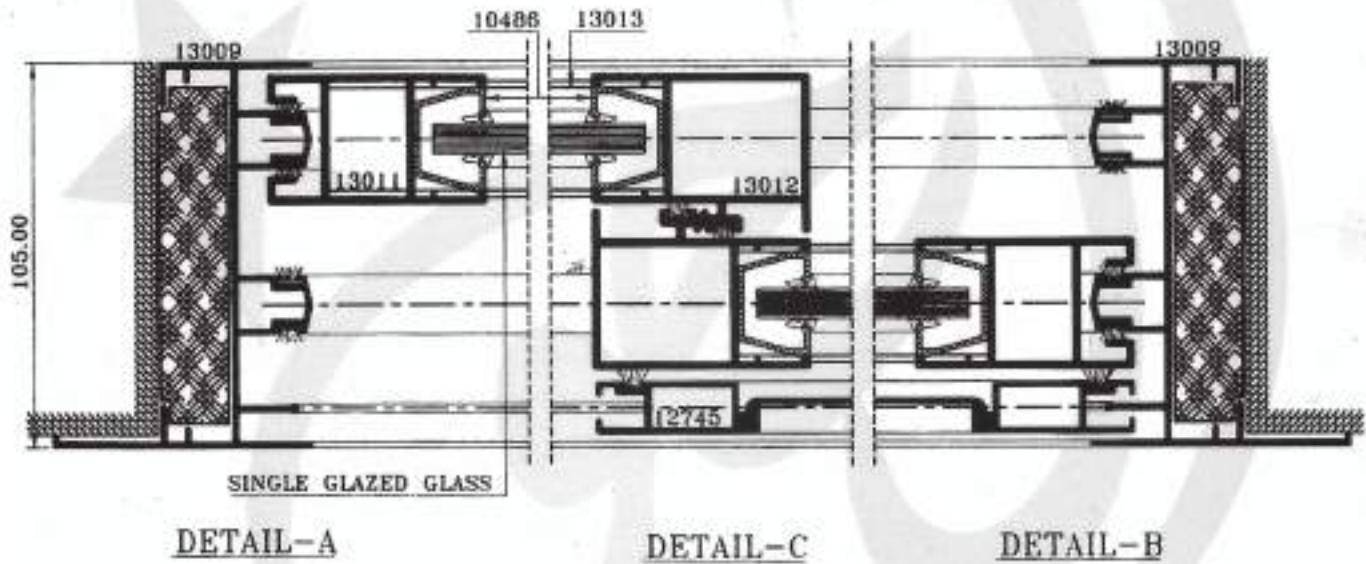
16 cm Hinged Door

1.8/1.7 13009 1.876 	1.8/1.7 13010 2.203 	1.8/1.7 14508 2.058 	1.8/1.7 10487 0.937 	1.7/1.5 13444 1.811 	1.8/1.7 13445 2.130 	1.8/1.7 13905 1.963 	1.8/1.7 10994 1.044 	1.8/1.7 14352 2.295 	0 13843 2.098 	1.8 11395 0.876 	1.8-1.5 13023 1.951 	2.0-1.7 13024 2.828 	1.8/1.7 10493 1.057 	1.8-1.5 13442 1.859 	2.0-1.5 13443 2.536 	1.8/1.7 10993 1.181 	2.0-1.7 14351 2.710 	1.7 13011 0.979 20 28 35 80.4 	1.7 13012 1.019 35 28 43 31.4 60 	1.7/1.9 11279 0.891 28 66.4 20 31.4 	1.7/1.9 10485 0.852 20 66.4 20 31.4 	1.7 13013 1.328 28 100 20 	1.7 13405 1.558 28 125 20 31.4 	1.7 13025 0.934 94 31.4 	1.4 10486 0.282 12 28 	1.3-1.5 12745 0.457 40 14 	1.3 13441 0.455 45 12.7 	1.8-1.0 10969 0.532 	2.0/1.5 10492 0.458 38.5 48.1 20 	1.8-1.0 10491 0.181 20.5 14.9 	1.5 10657 0.515 67 85 7.5 	1.5-1.2 10371 0.298 28 	1.7/1.5 11321 0.251 7.5 	1.7 14655 1.047 20 12 35 80.4 	1.7 14656 1.068 43 12 35 80 	1.7 14657 1.408 20 12 18 31.4 60 	1.7/1.9 21227 0.932 20 12 31.4 66.4 	2.15-2.0 14516 2.871 73.6 105 43.6 	2.15-2.0 14517 2.118 73.6 105 43.6 	2.15-2.0 14518 2.489 105 43.6 	1.5 10657 0.515 67 7.5 	2.15 14519 1.272 35 28 67.35 	2.1 14520 1.097 33.2 28 53.35 	2.1 21110 0.581 46.7 39.73 	2.0 14521 0.695 51.5 13.5 	2.1 21111 0.413 35 18 10 	2.15/2.0 21112 1.010 45 105 	1.7/1.5 11321 0.251 7.5 	MONTANA SLIDING SERIES WINDOW/DOOR 105MM	
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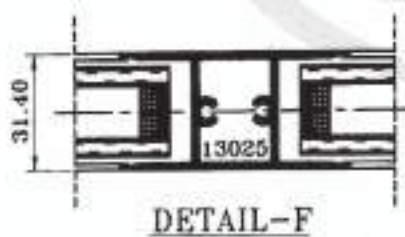




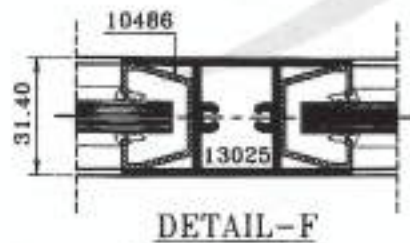
DOUBLE GLAZED



SINGLE GLAZED



DOUBLE GLAZED



SINGLE GLAZED

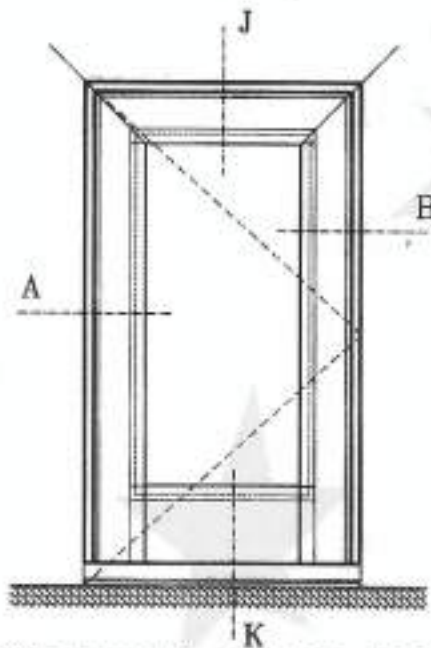


1.5/1.7 12983 0.828 50 45	1.7/1.6 13710 1.828 50 45 105	1.5/1.7 12987 1.029 71.6 45	1.6/1.7 12986 1.114 40 74.2 52
1.5/1.7 12984 0.996 50 80 45	1.7/1.6 13906 1.470 45 30	1.6/1.7 13005 1.200 88 45	1.6/1.7 13789 1.089 45 74.2 52
1.5/1.7 13709 1.085 50 80 45	1.6/1.7 11753 1.352 50 105 80	2.0 13119 1.236 72 45	1.6/1.7 13627 1.121 45 74.2 52
1.8 11527 0.847 40.6 55.6 45	1.7 11476 1.286 45 105 85	1.6-1.5 14689 1.103 71.6 45	1.6-1.5 10463 0.933 81 45
2.0 12936 1.036 51.5 45	2.0 11396 1.281 39 105 89	1.8-1.6 14690 1.911 88 45	2.25-1.7 13126 1.474 45 93.75 52
	1.5-1.7 14355 1.630 50.4 105 80.4	1.6 13449 1.616 120 45	1.6-1.6 13626 1.306 45 92.9 52
1.7-1.6 13907 1.156 45 75 50	1.8 14353 2.036 77.1 52.1 105 107.1		2.25-1.7 13163 1.477 45 93.75 52
1.7-1.6 13841 1.315 50 45 75 80	1.5-1.7 12985 1.671 50 105 80	1.7-1.6 13842 1.396 45 75 71.6	
1.5-1.7 14354 1.363 50.4 45 75 80.4	1.8 13677 1.670 38 105 83		2.0 12937 1.166 67 52
	1.7-1.6 14682 1.466 57.55 105 50.8 82.55	1.9/1.8 13901 1.704 45 80 40 80	
1.9/1.8 13900 1.438 38 45 80 63			2.0 13237 1.291 45 76.16
	1.7-2.0 10892 0.706 45 51	1.6 13133 1.911 105 80 80	2.0 13466 1.716 45 116.4
1.7-1.6 14678 1.142 50 45 80.2 33.35 76.75		1.8 14691 2.033 105 80 80	1.8/1.6 11174 0.400 25.25 45
1.7-1.6 14680 1.142 76.75 33.35 45 80.2 50	2.0-1.7 13468 2.371 45 150 50		2.0/1.6 10765 0.473 40 52
		2.0/1.6 13467 2.536 45 150 38	
1.8/1.7 10462 1.319 50 45 105 80	1.8/1.7 13889 1.930 86.1 45 116.8 28.1		1.8 13006 1.682 45 120
1.7/1.6 13155 1.596 50 45 105 80			1.8 13406 1.974 45 150

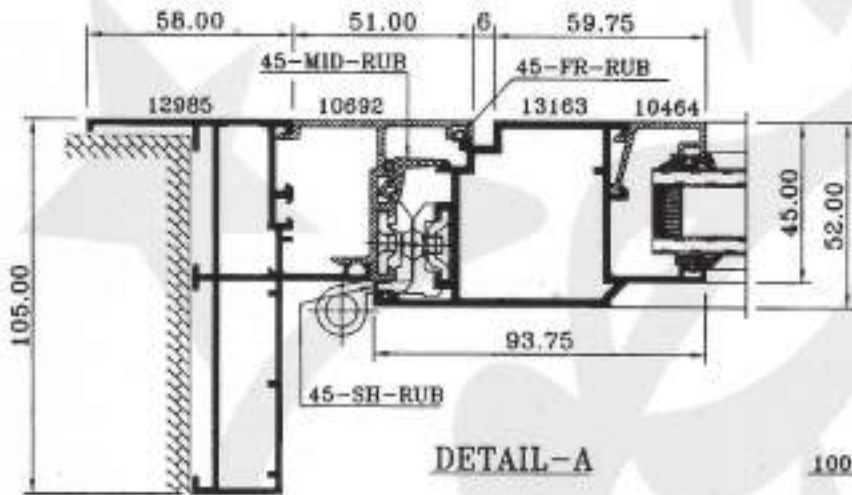


1.5-1.8 10371 0.298 1.5-1.2 10377 0.282 1.7/1.5 10464 0.271 1.7/1.3 11321 0.251	26 22 14.5 22 10 22 7.5 22	2.0/1.8 13142 0.788	44 30				
1.5/1.2 11547 0.340 1.5-1.2 11730 0.286 1.7/1.5 11729 0.242	38 22 26 22 7.5 22	1.75-1.6 14659 1.159 1.75-1.6 14658 1.308 1.8 14701 1.694 1.5 21285 0.252 1.4/1.2 21231 0.279 1.4/1.2 21232 0.241	32 74.4 32 92.9 48.7 120 3.8 45.7 26.65 22 29.3 22 26.65 19.3 22				
10296 4.312	86.7 83.7 13.7						
12860 4.416	94.7 94.7 21.7						
12922 5.369	104.7 99.7						
12865 4.739	90 95 40						
09888 0.175	19.75 4.5						
2.0 10077 0.298	44 0						

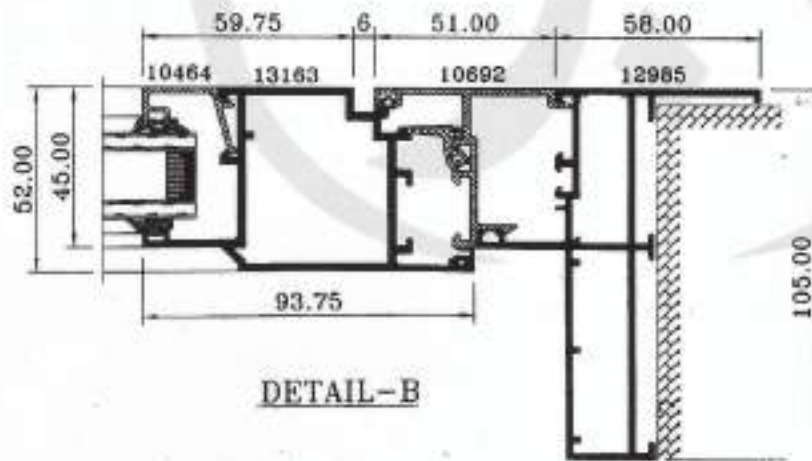
105 on Sliding Window



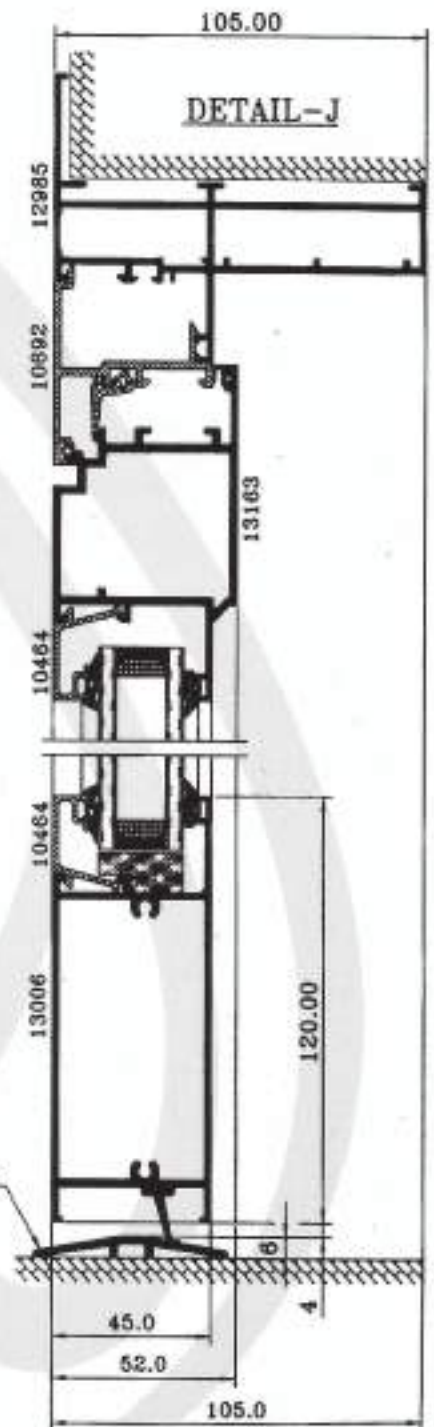
**SINGLE LEAF HINGED DOOR
(DOOR OPENING OUTSIDE)**



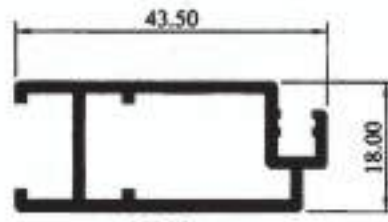
DETAIL-A



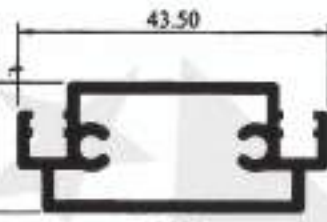
DETAIL-B



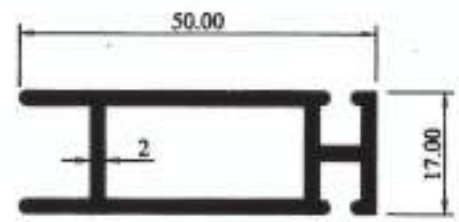
DETAIL-K



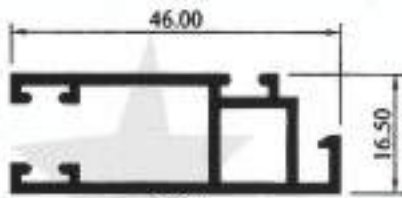
12210
(0.526KG/M.)



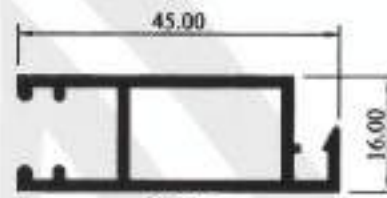
12211
(0.601KG/M.)



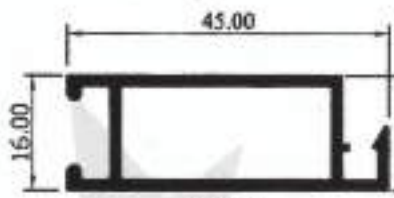
12106
(0.765KG/M.)



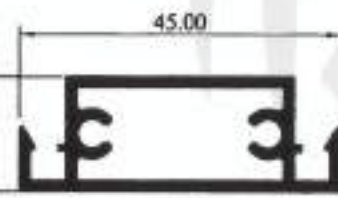
13423
(0.510KG/M.)



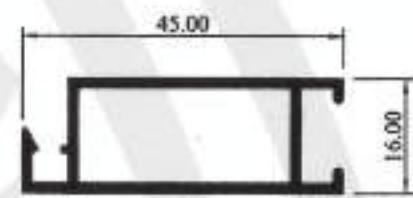
12784
(0.511KG/M.)



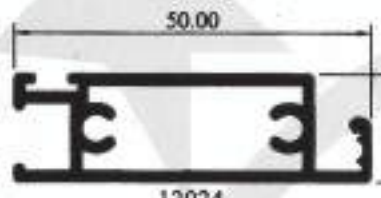
12204
(0.497KG/M.)



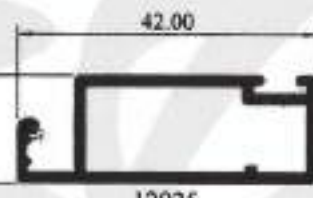
12310
(0.579KG/M.)



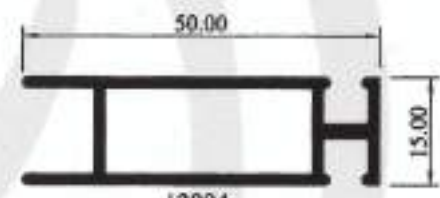
12724
(0.447KG/M.)



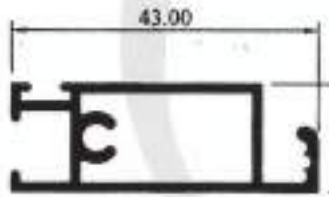
12024
(0.621KG/M.)



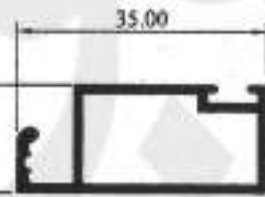
12025
(0.476KG/M.)



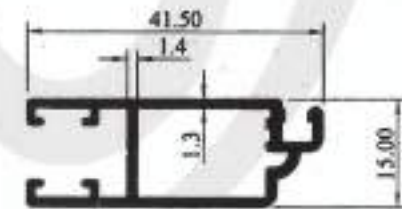
12094
(0.548KG/M.)



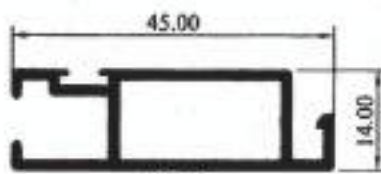
13248
(0.442KG/M.)



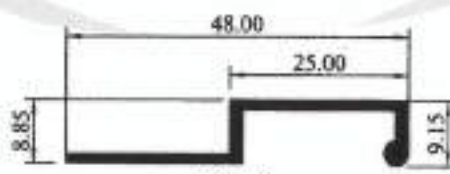
13247
(0.334KG/M.)



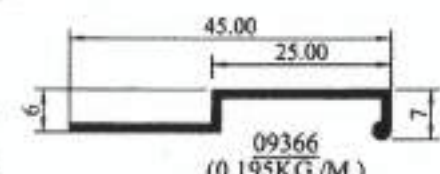
13870
(0.437KG/M.)



12745
(0.457KG/M.)

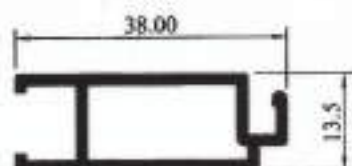


09330
(0.278KG/M.)

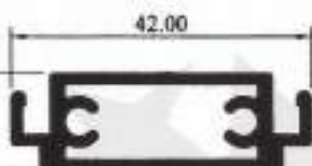


09366
(0.195KG/M.)

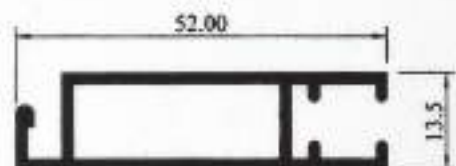
105 cm Sliding Window



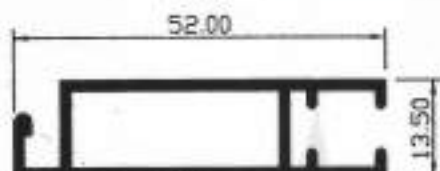
12034
(0.414KG/M.)



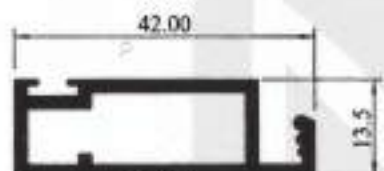
12035
(0.579KG/M.)



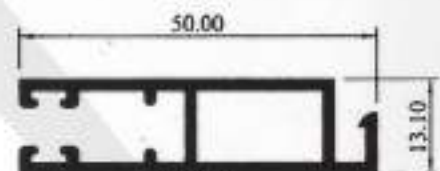
12095
(0.565KG/M.)



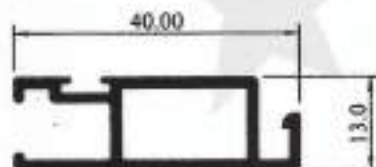
14127
(0.523KG/M.)



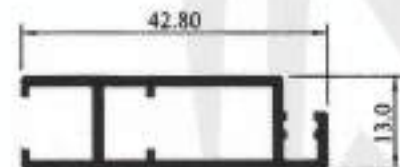
12257
(0.522KG/M.)



12654
(0.554KG/M.)



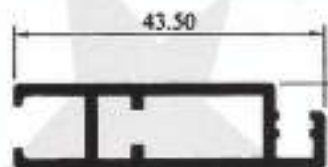
12959
(0.426KG/M.)



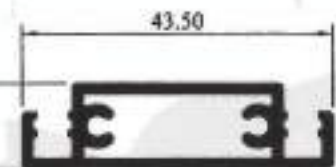
13048
(0.396KG/M.)



12120
(0.409KG/M.)



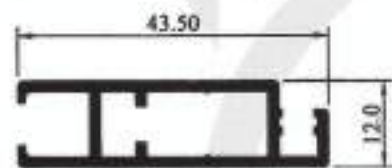
12007
(0.460KG/M.)



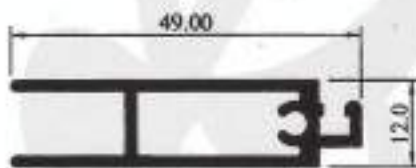
12009
(0.518KG/M.)



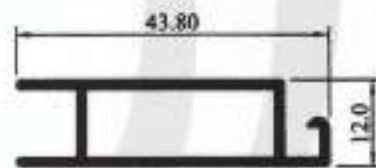
12067
(0.467KG/M.)



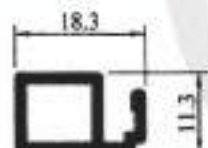
12249
(0.443KG/M.)



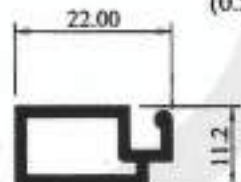
13699
(0.510KG/M.)



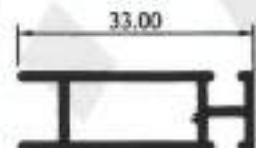
13561
(0.373KG/M.)



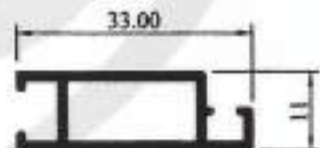
12536
(0.223KG/M.)



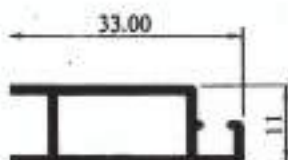
12041
(0.255KG/M.)



12200*
(0.300KG/M.)



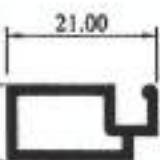
12876
(0.277KG/M.)



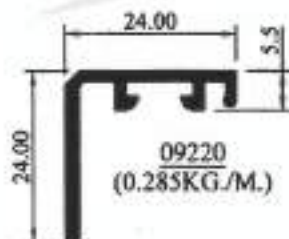
12756
(0.267KG/M.)



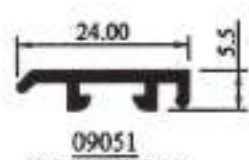
13857
(0.198KG/M.)



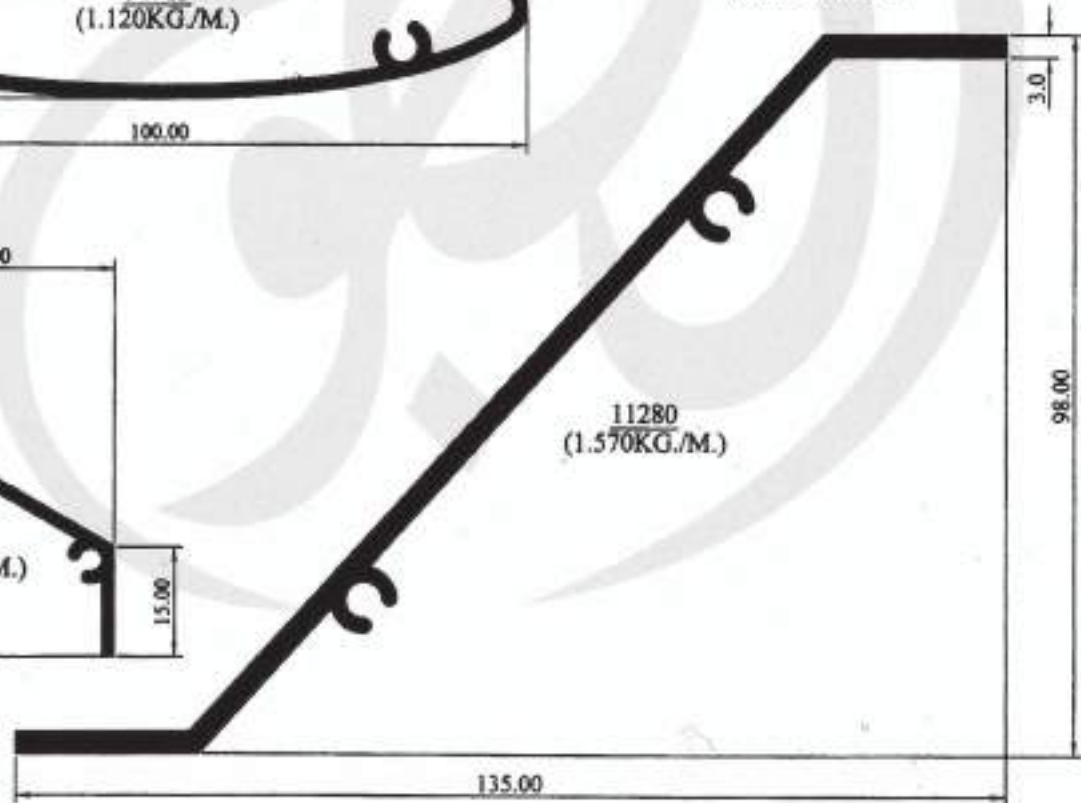
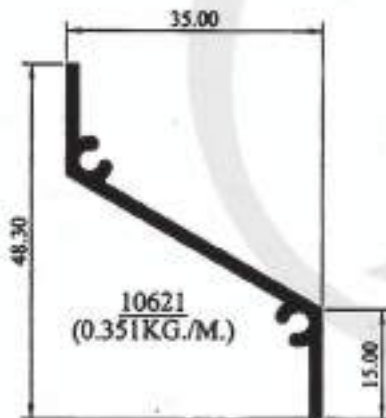
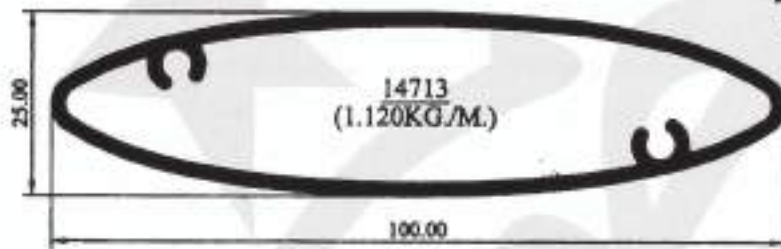
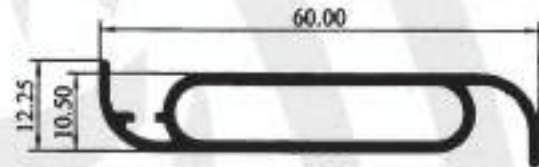
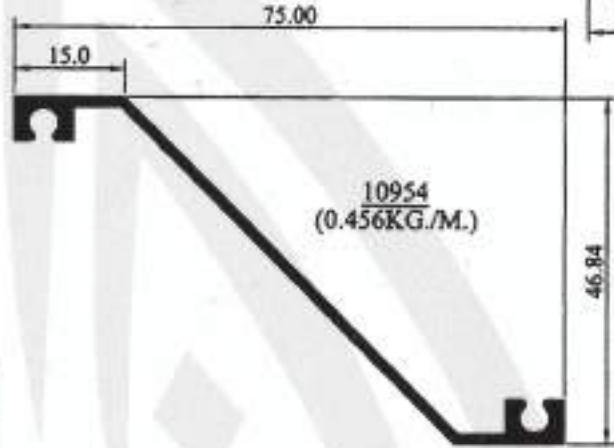
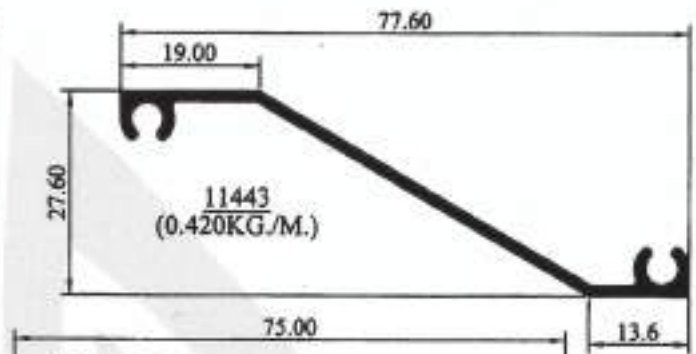
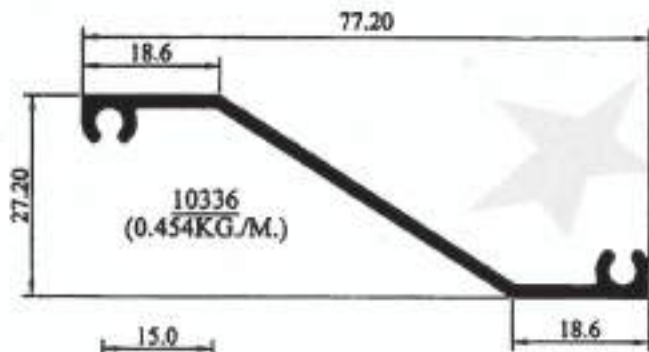
12720
(0.212KG/M.)

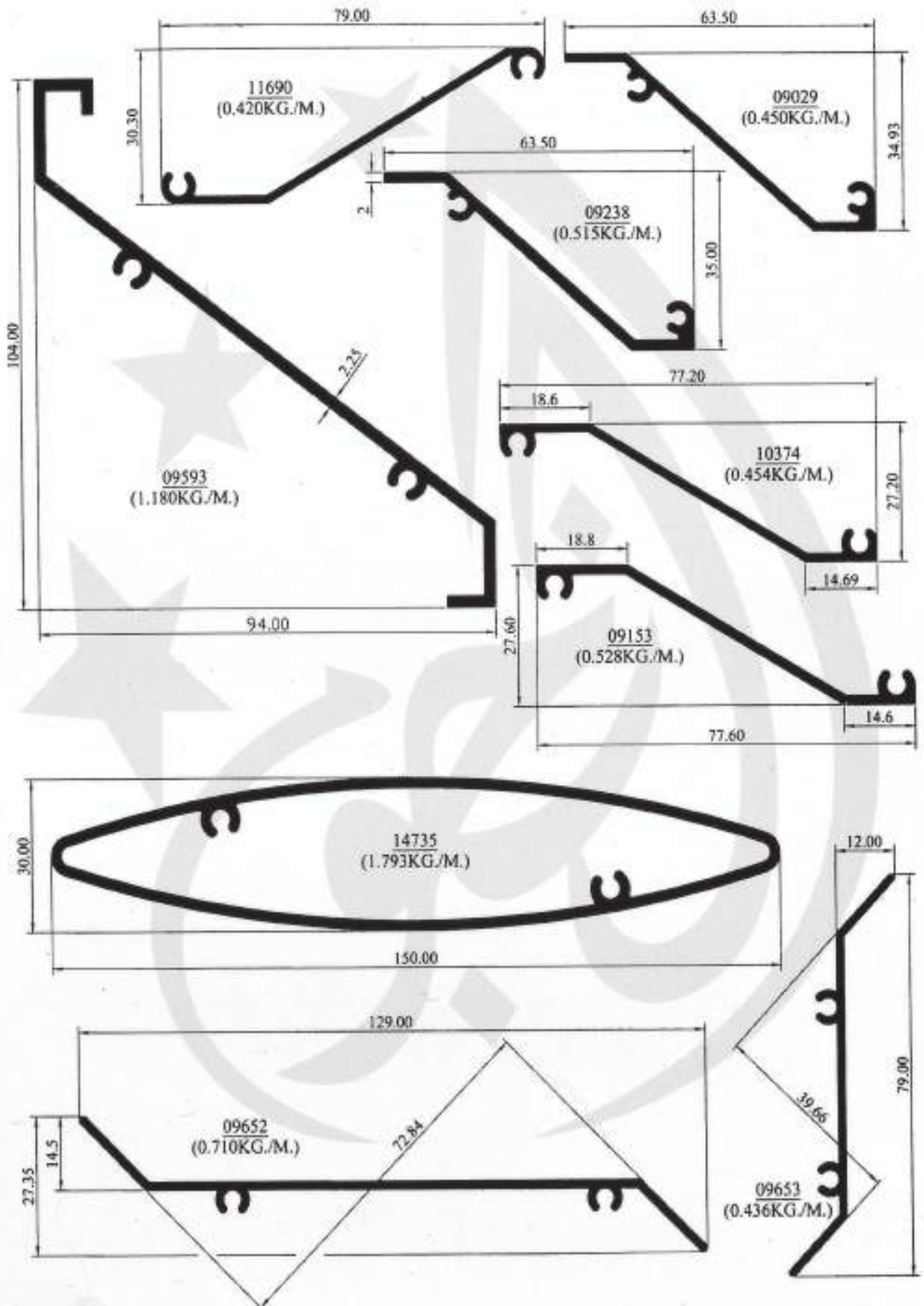


09220
(0.285KG/M.)



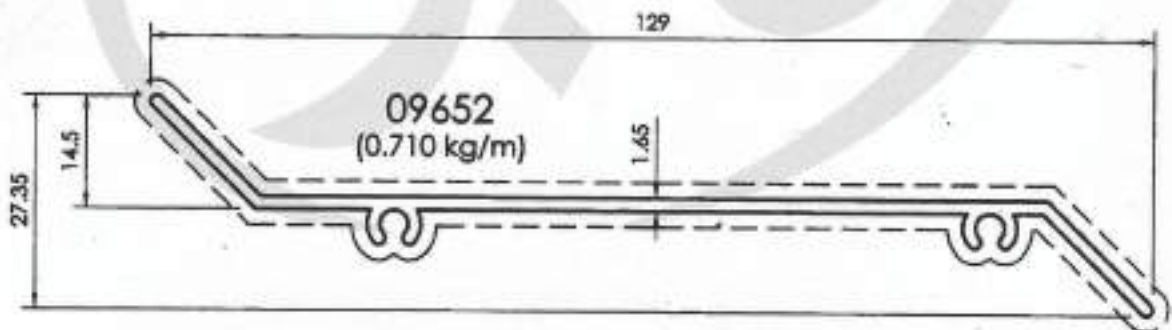
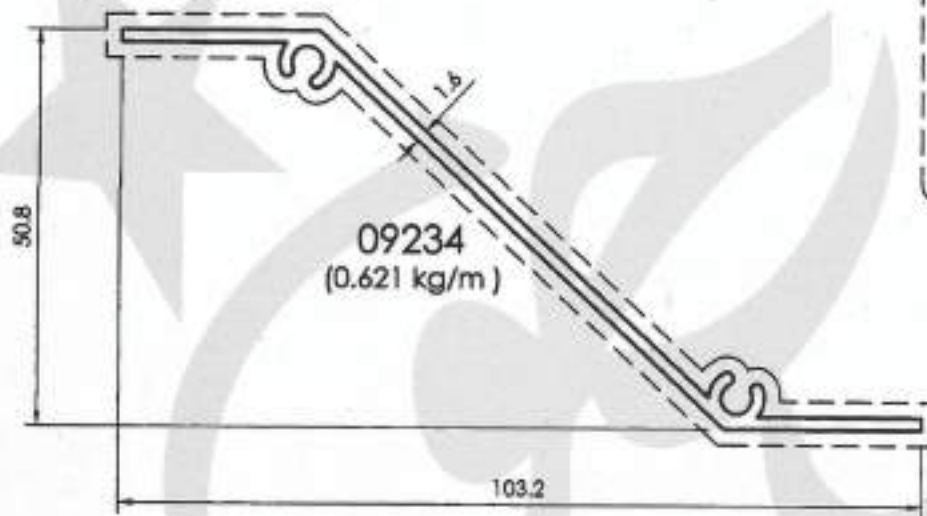
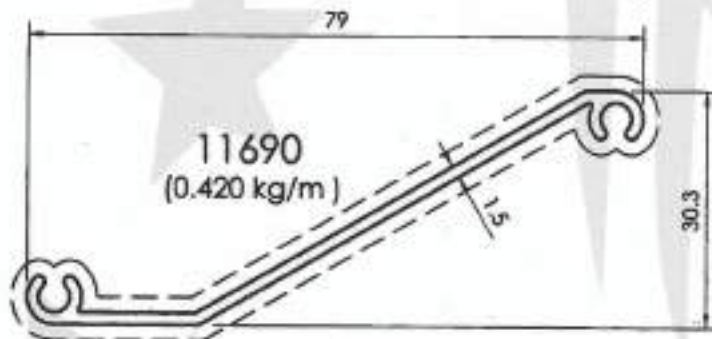
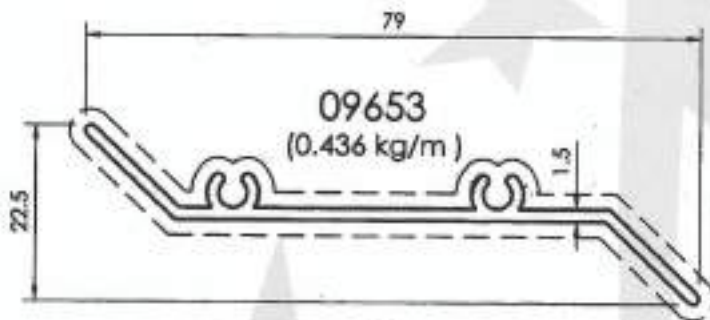
09051
(0.200KG/M.)







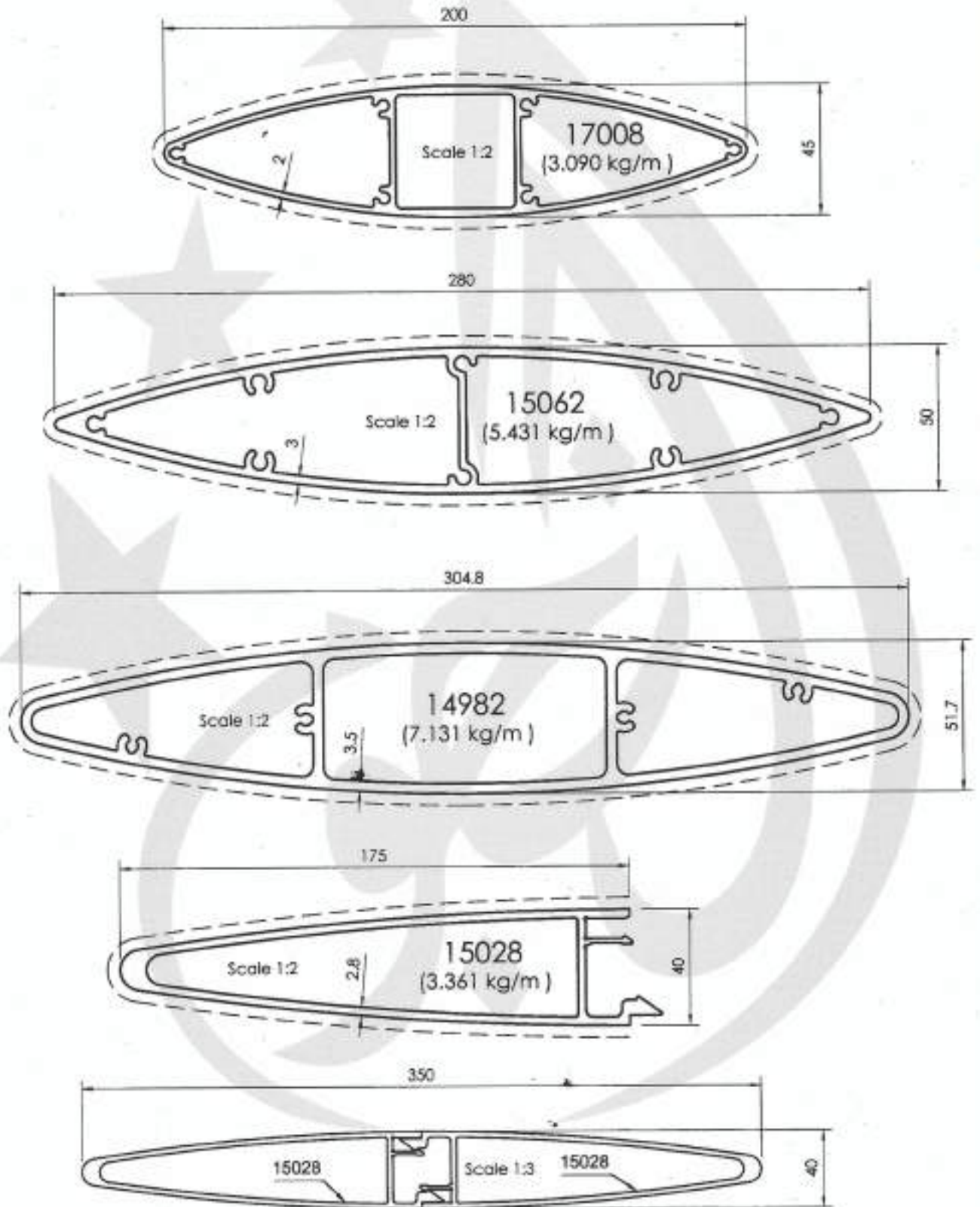
Louvres



All dimensions in mm
----- Visible area

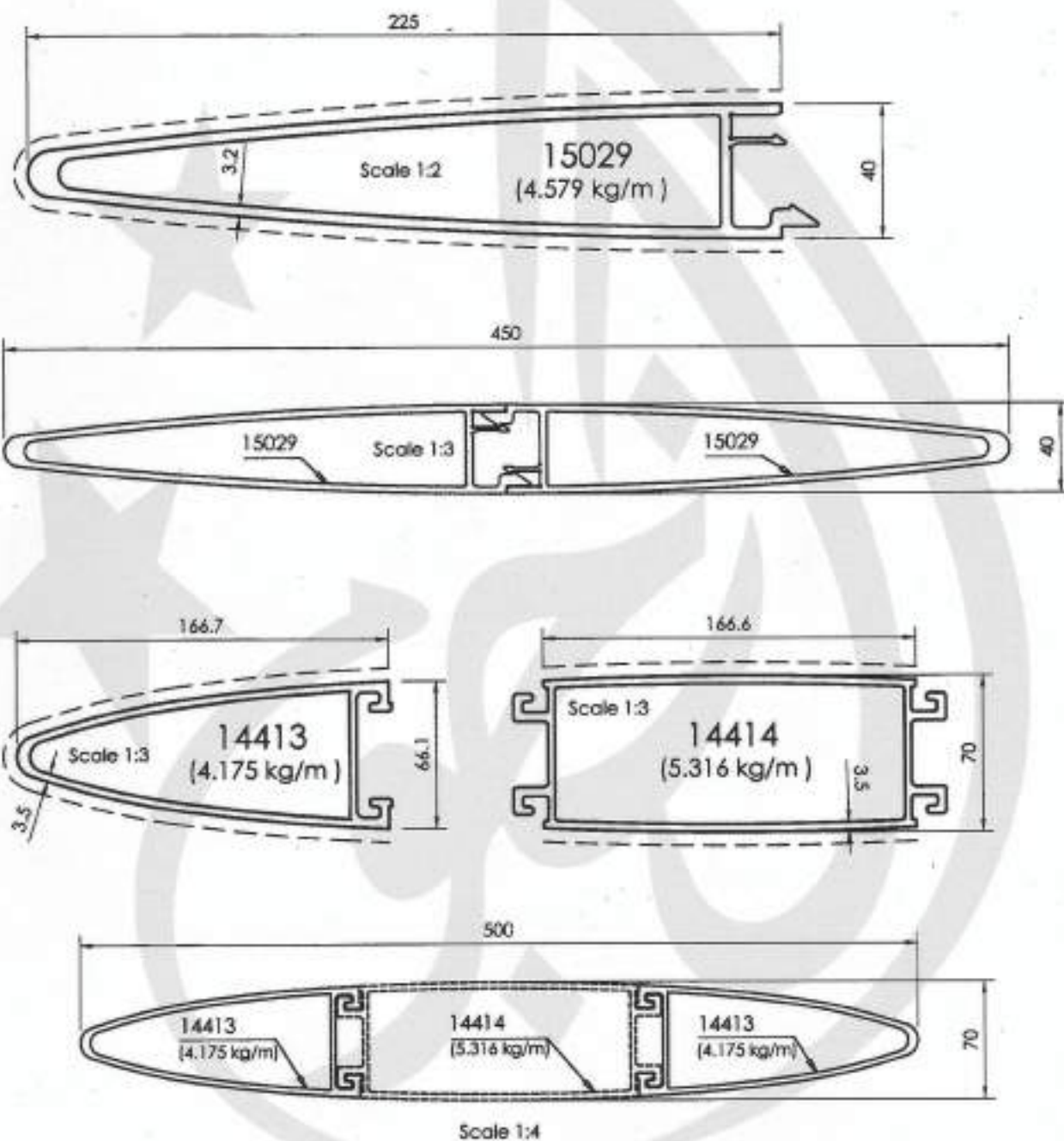


Louvres

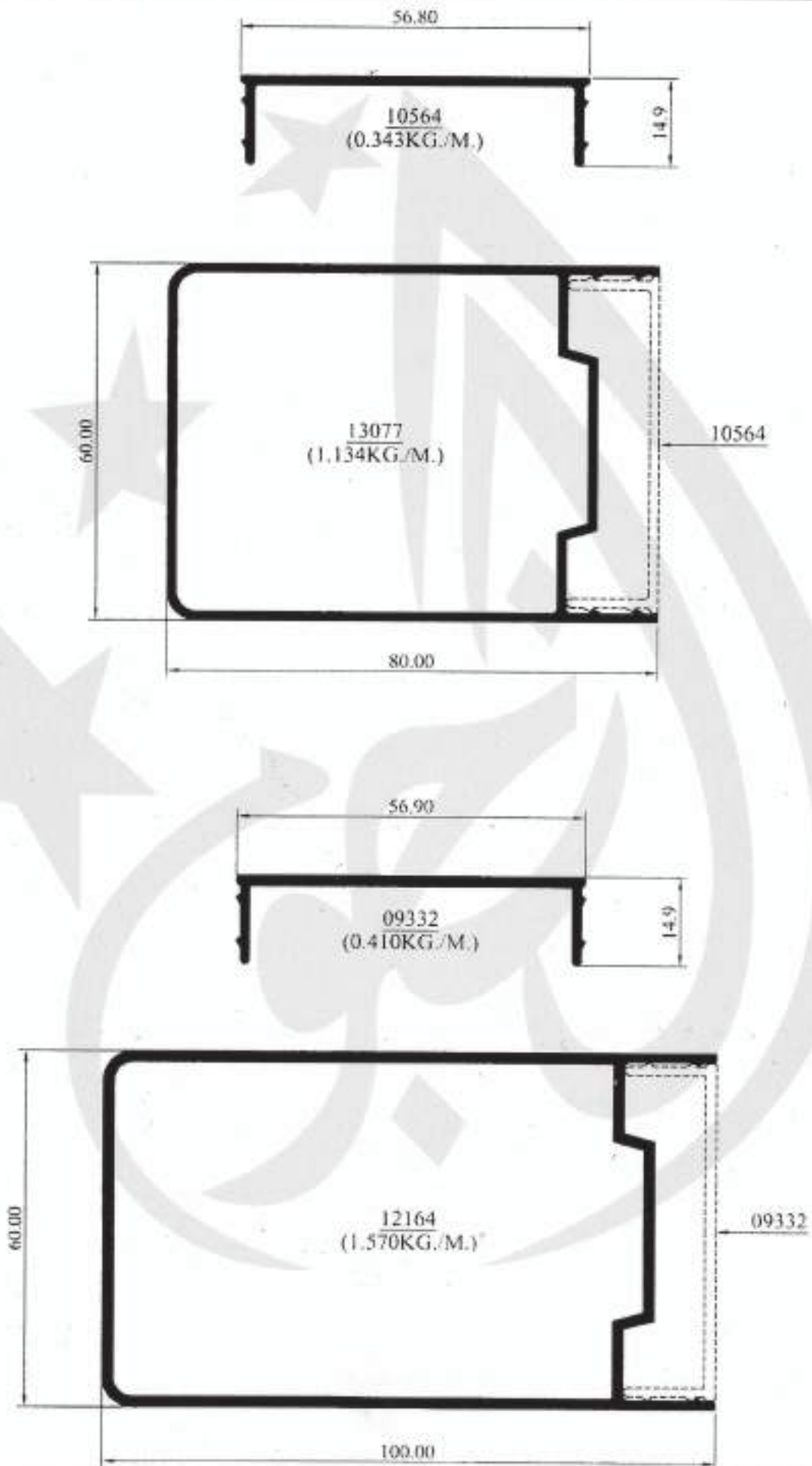


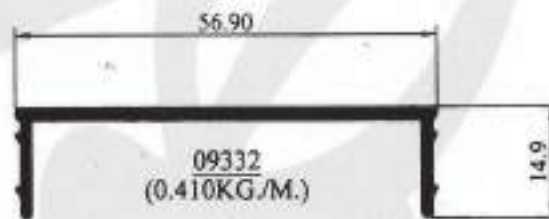
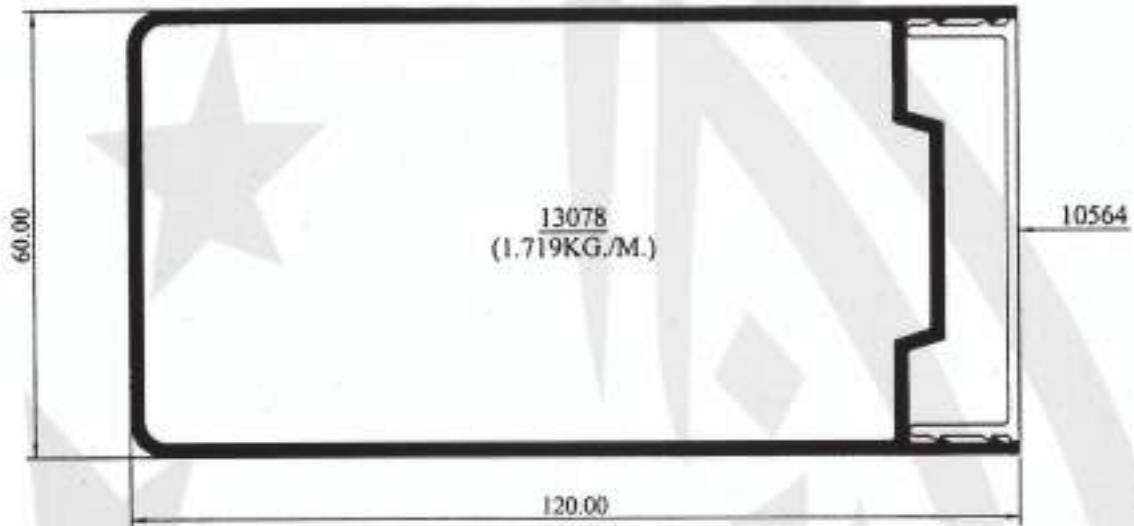
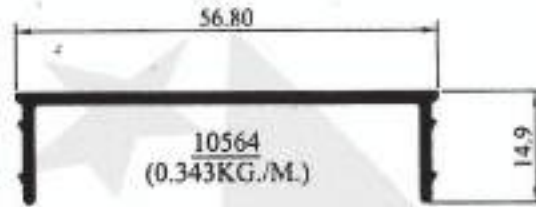
All dimensions in mm
Visible area.....

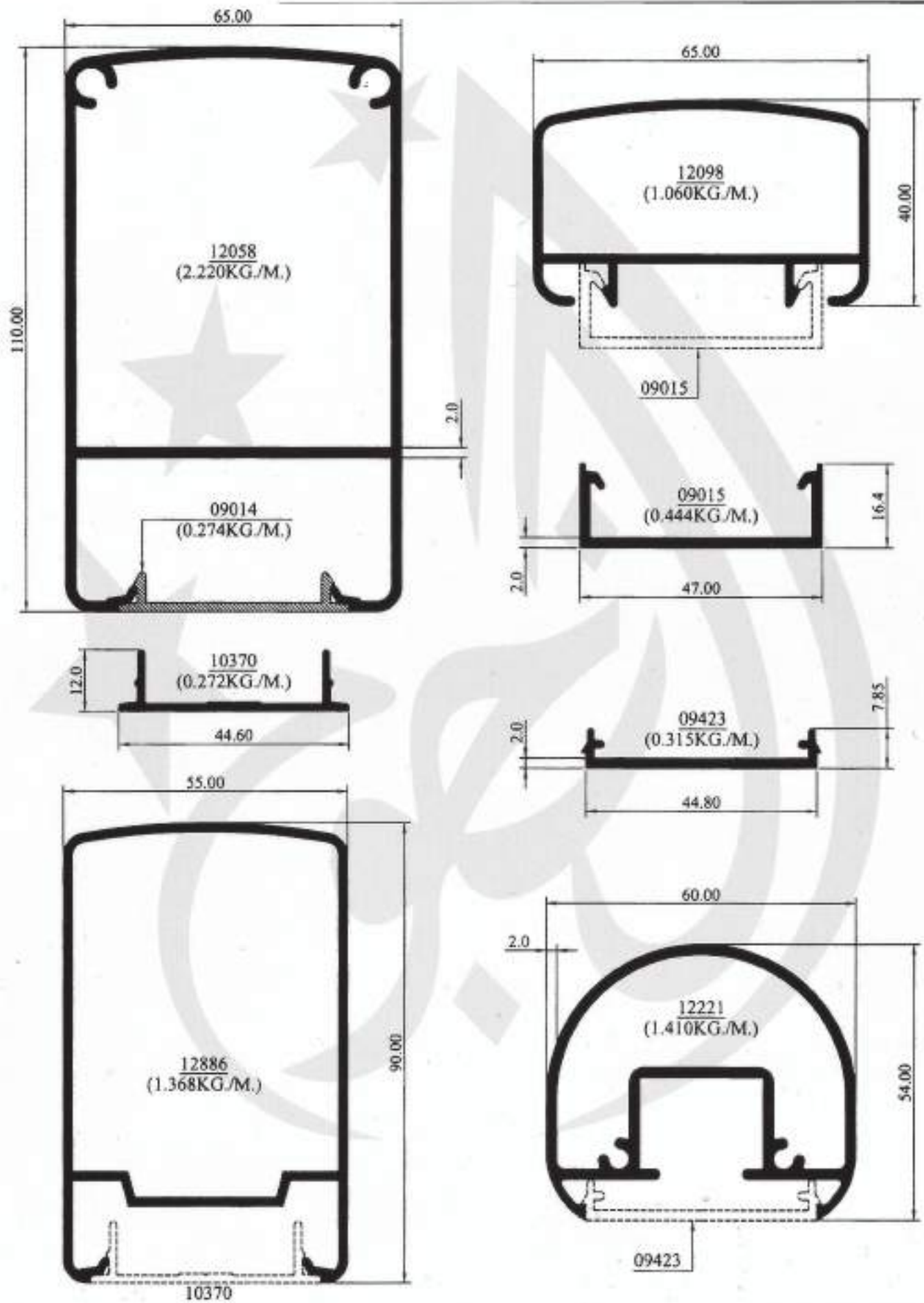
Louvres

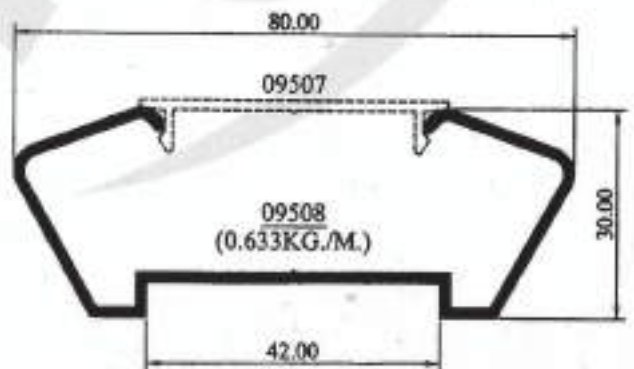
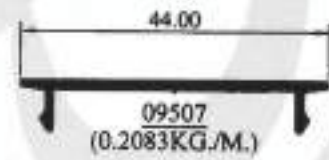
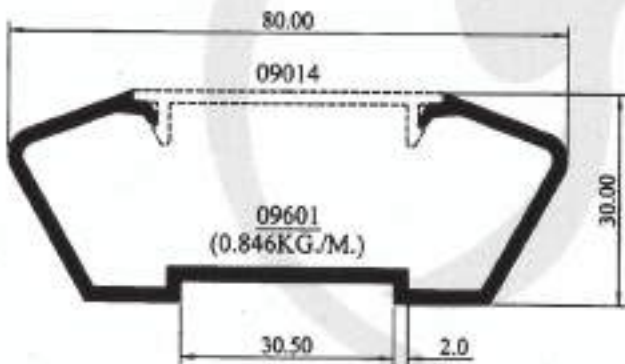
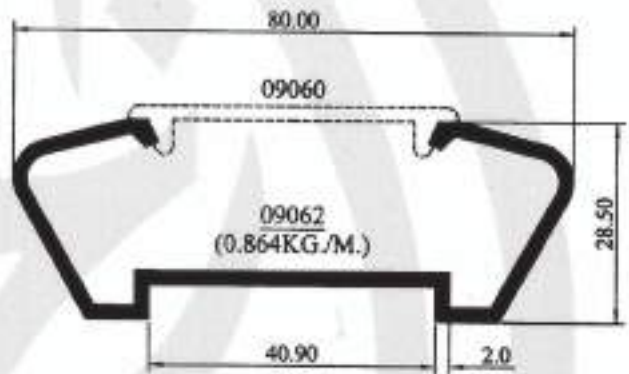
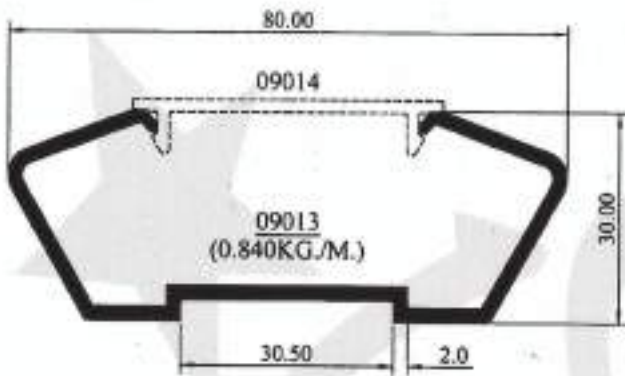
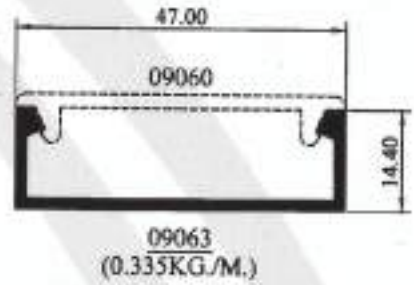
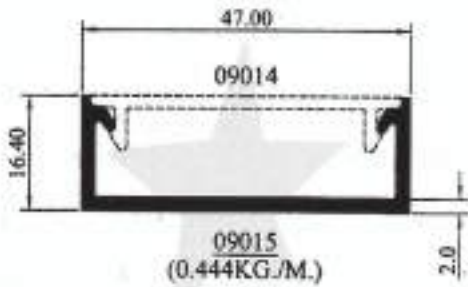
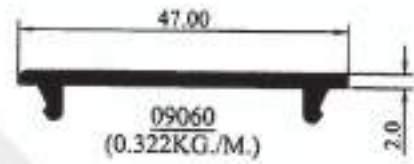
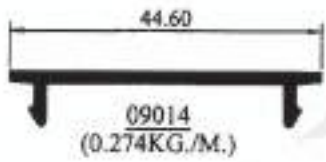


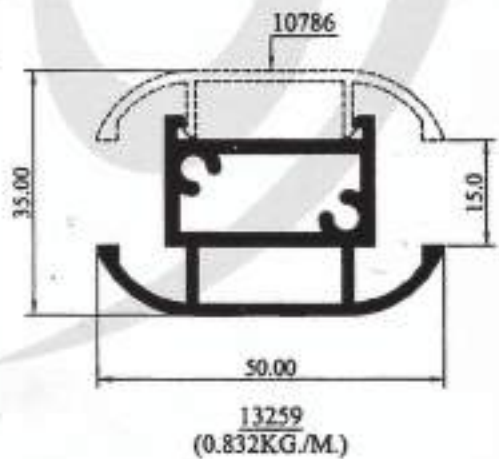
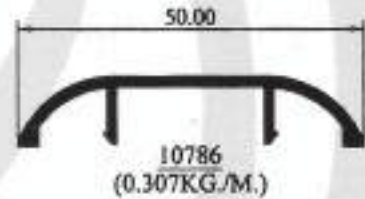
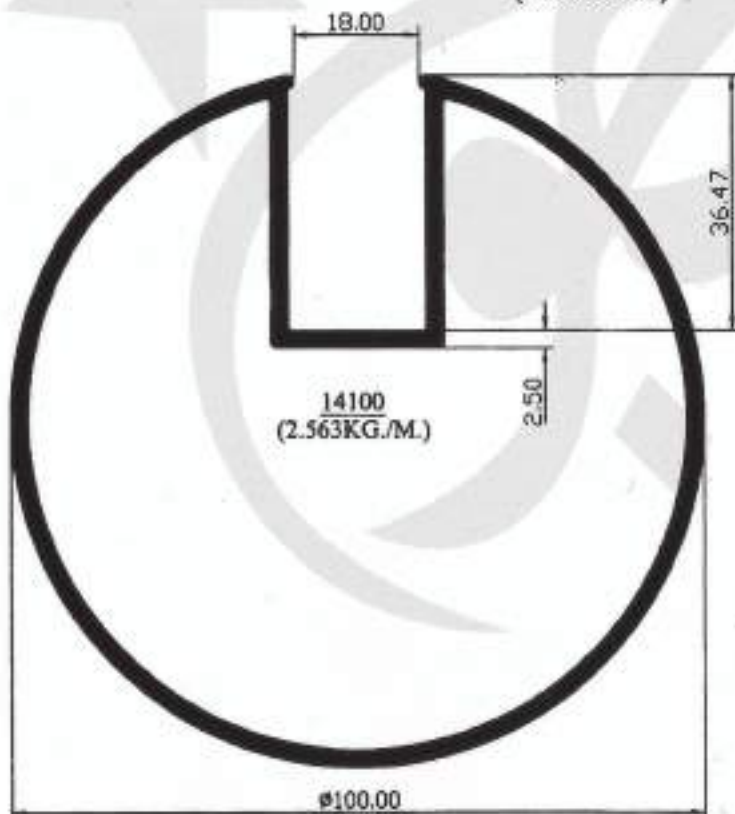
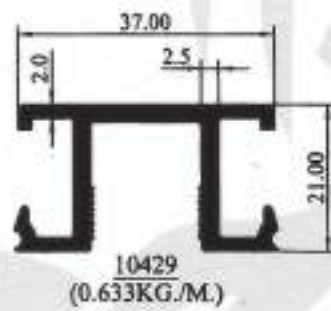
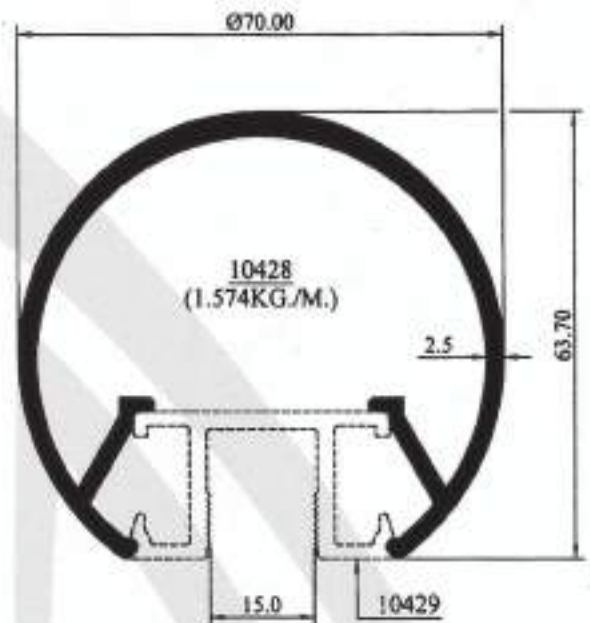
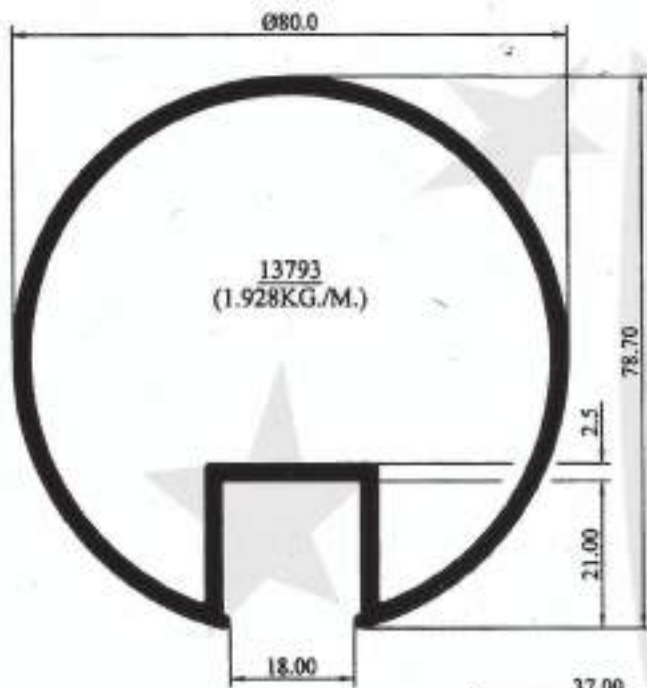
All dimensions in mm
 - - - - - Visible area

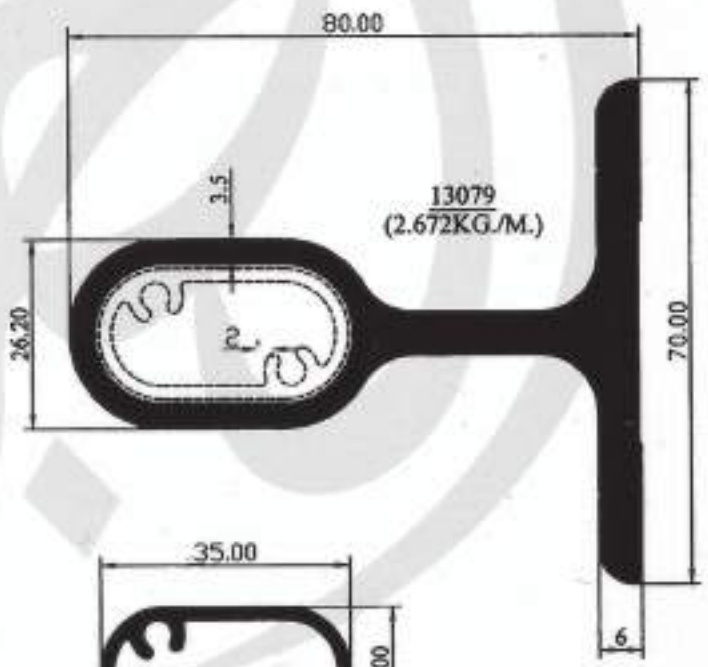
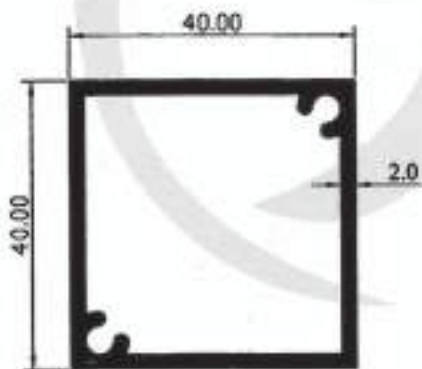
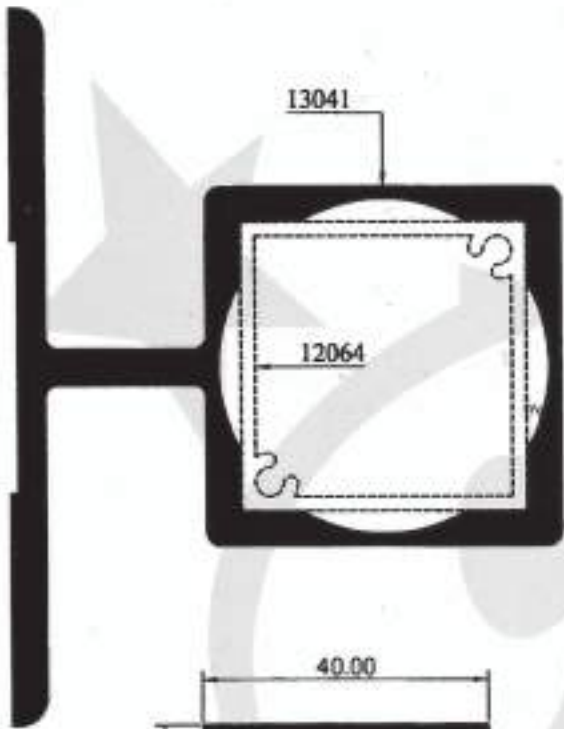
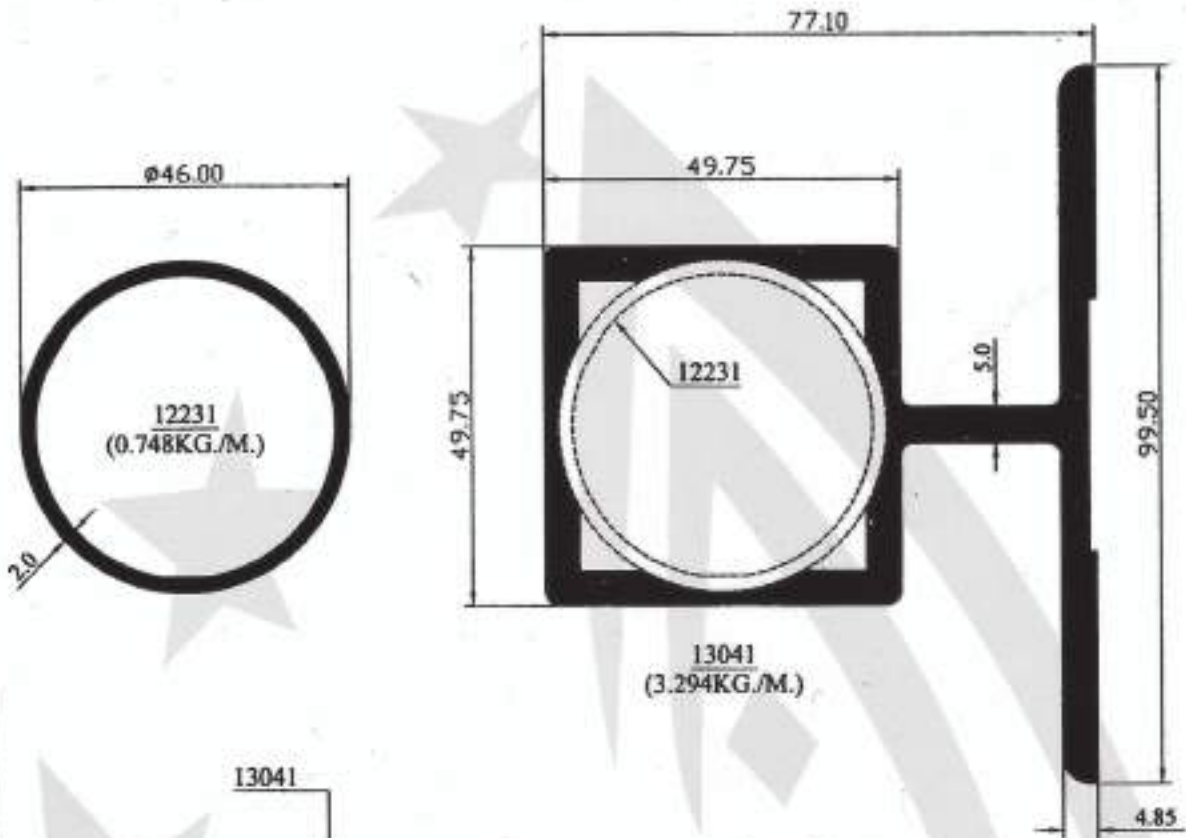


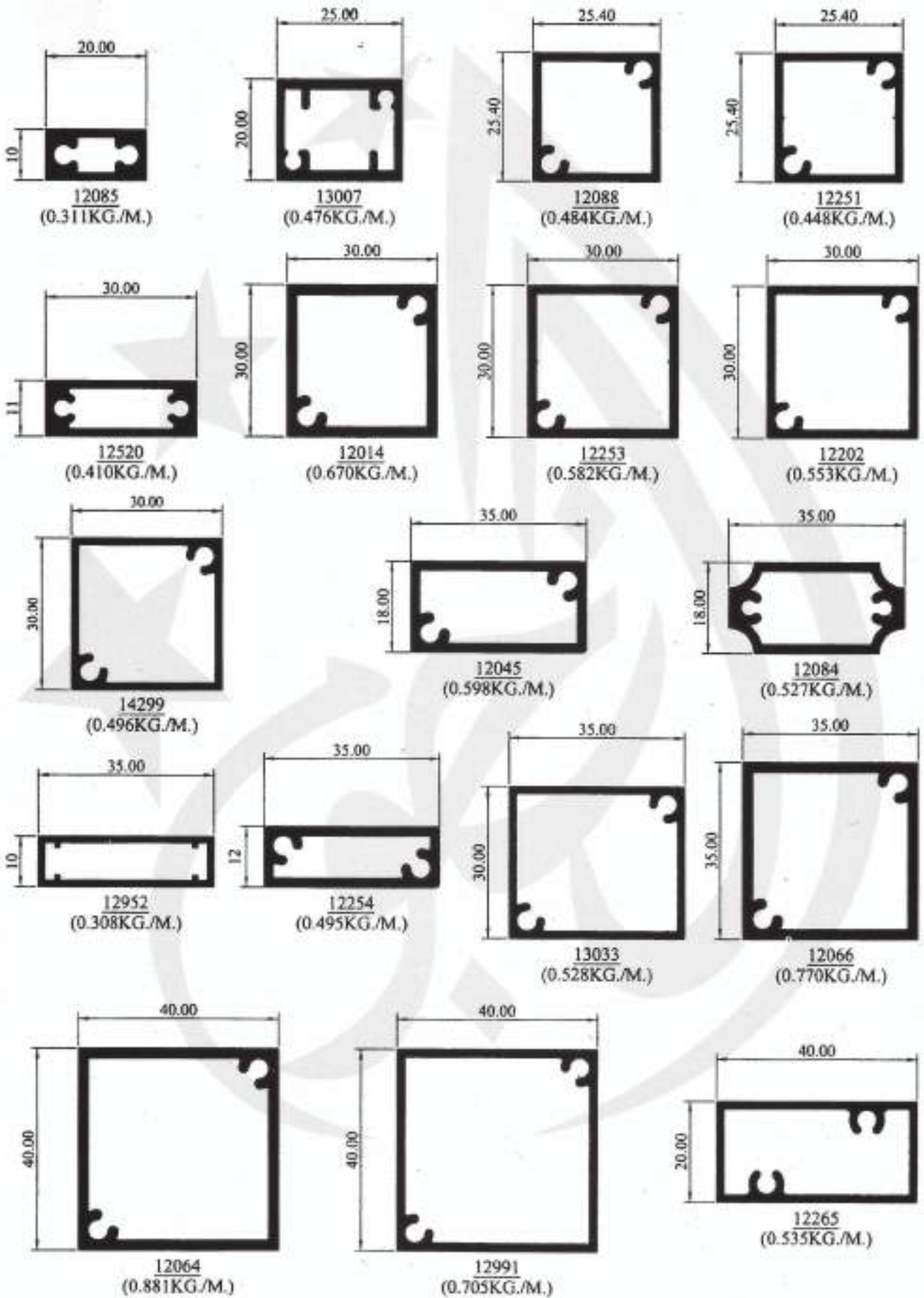






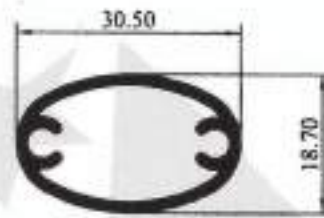




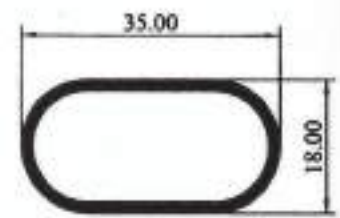




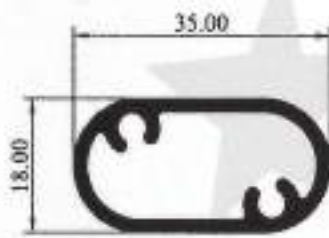
12161
(0.430KG./M.)



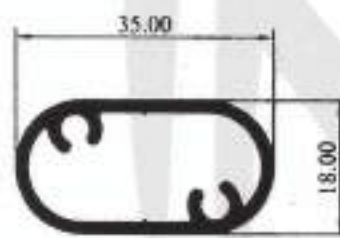
12494
(0.370KG./M.)



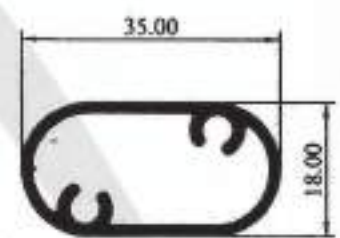
12127
(0.354KG./M.)



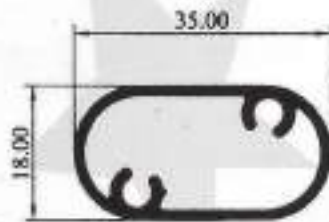
12003
(0.496KG./M.)



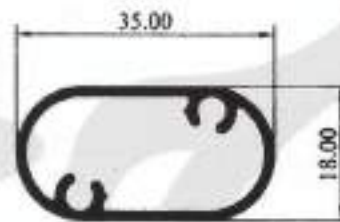
12252
(0.454KG./M.)



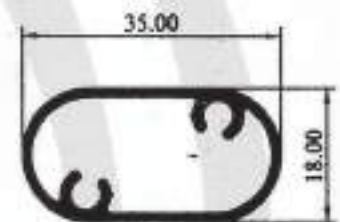
12264
(0.420KG./M.)



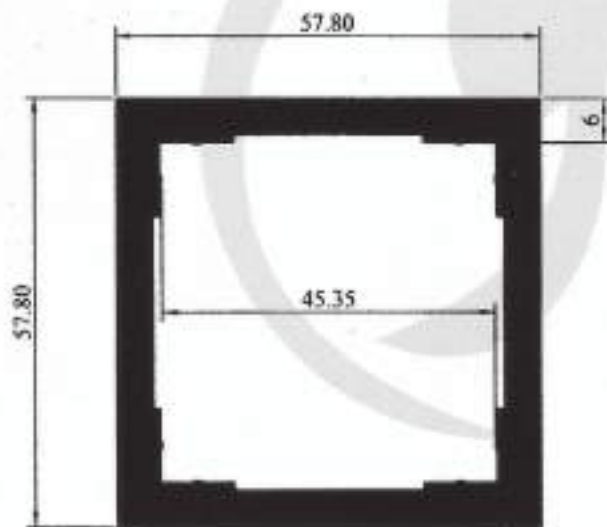
12299
(0.405KG./M.)



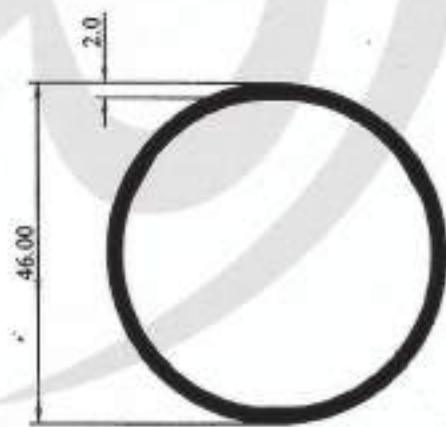
13653
(0.360KG./M.)



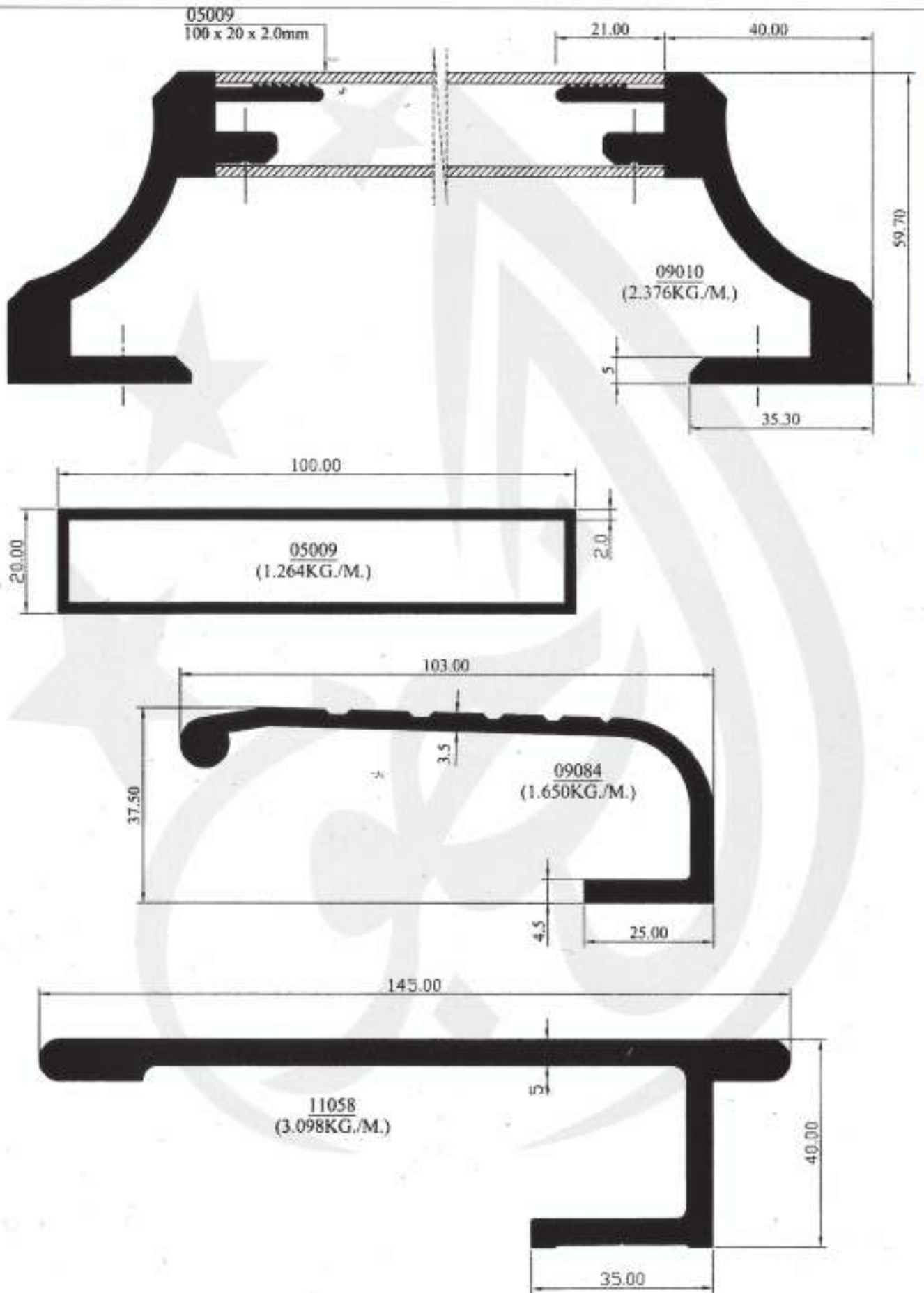
13855
(0.368KG./M.)

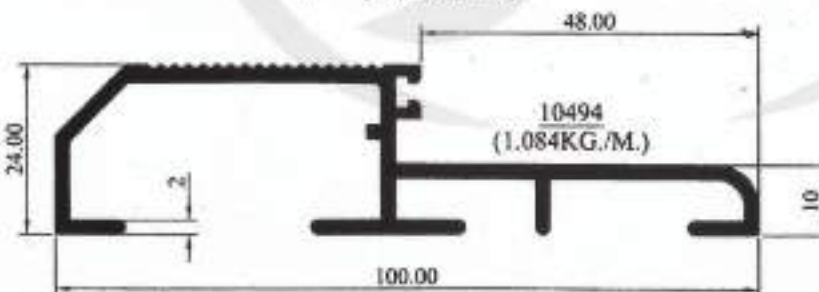
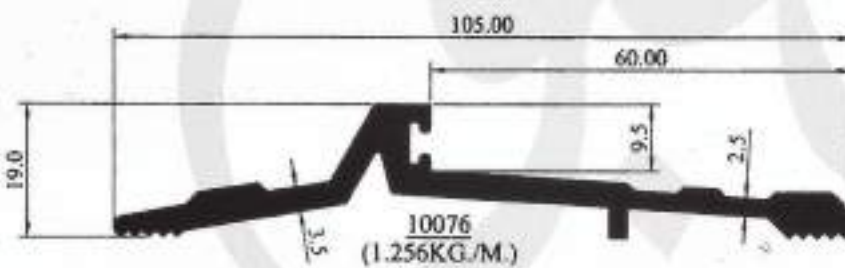
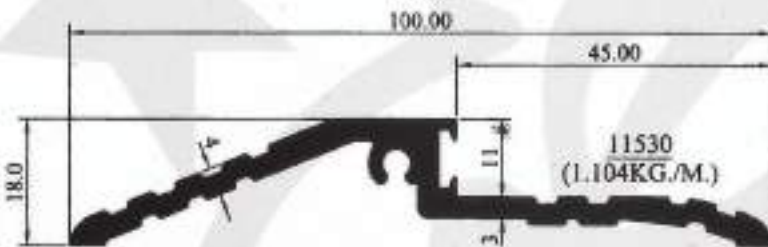
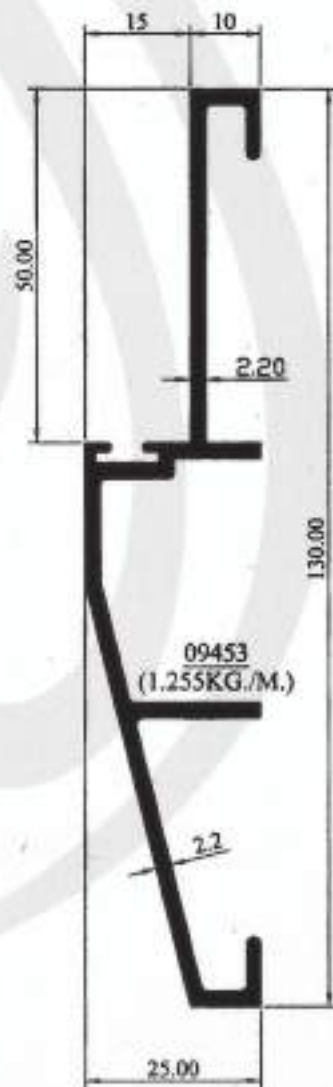
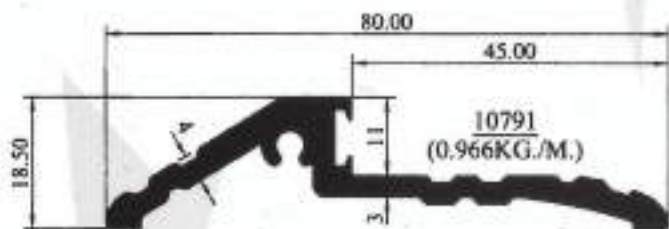
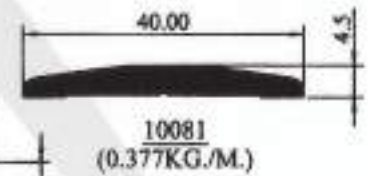
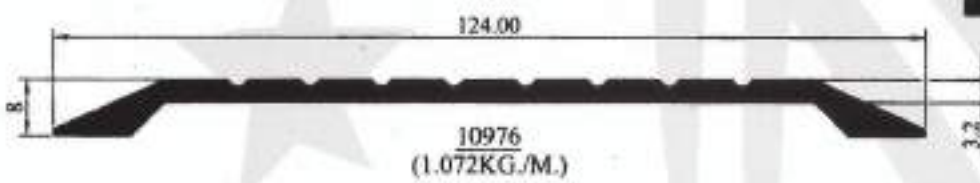
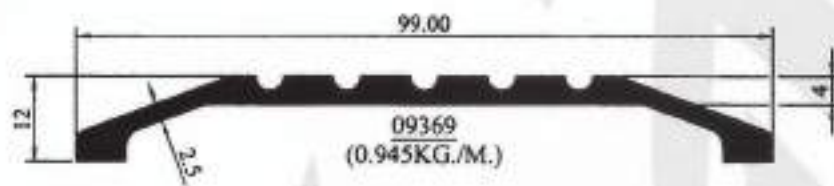


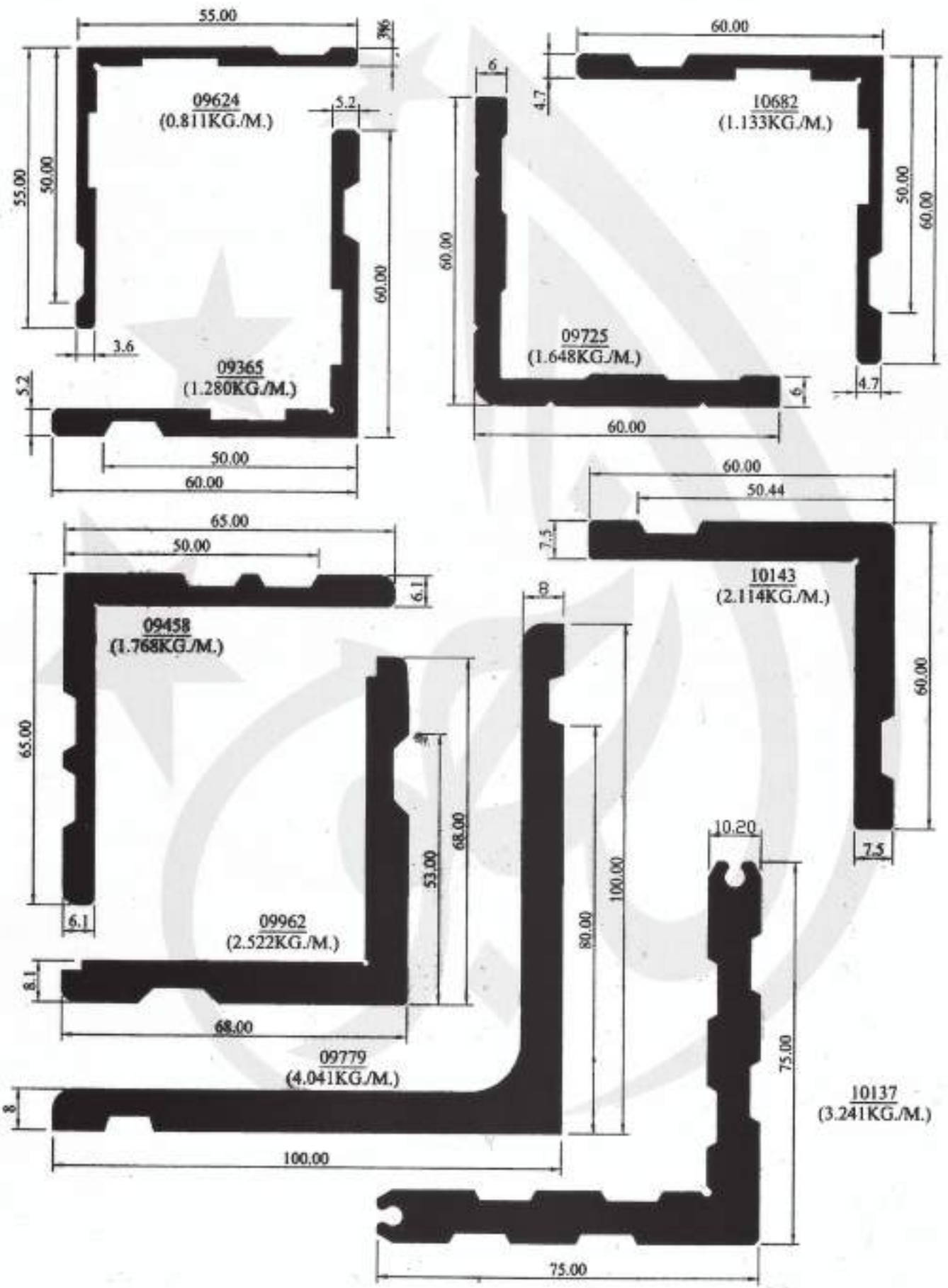
12229
(3.085KG./M.)

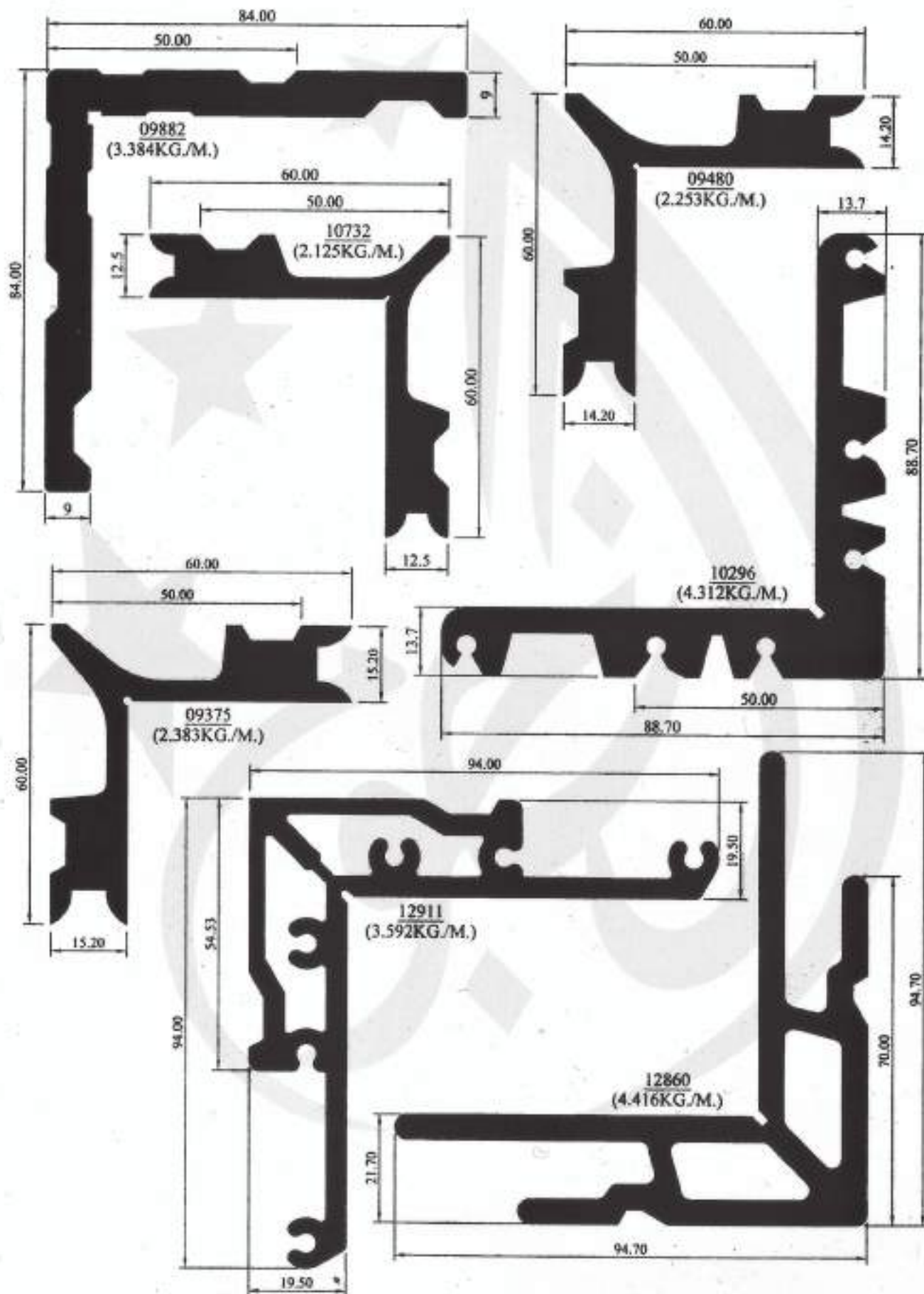


12231
(0.748KG./M.)

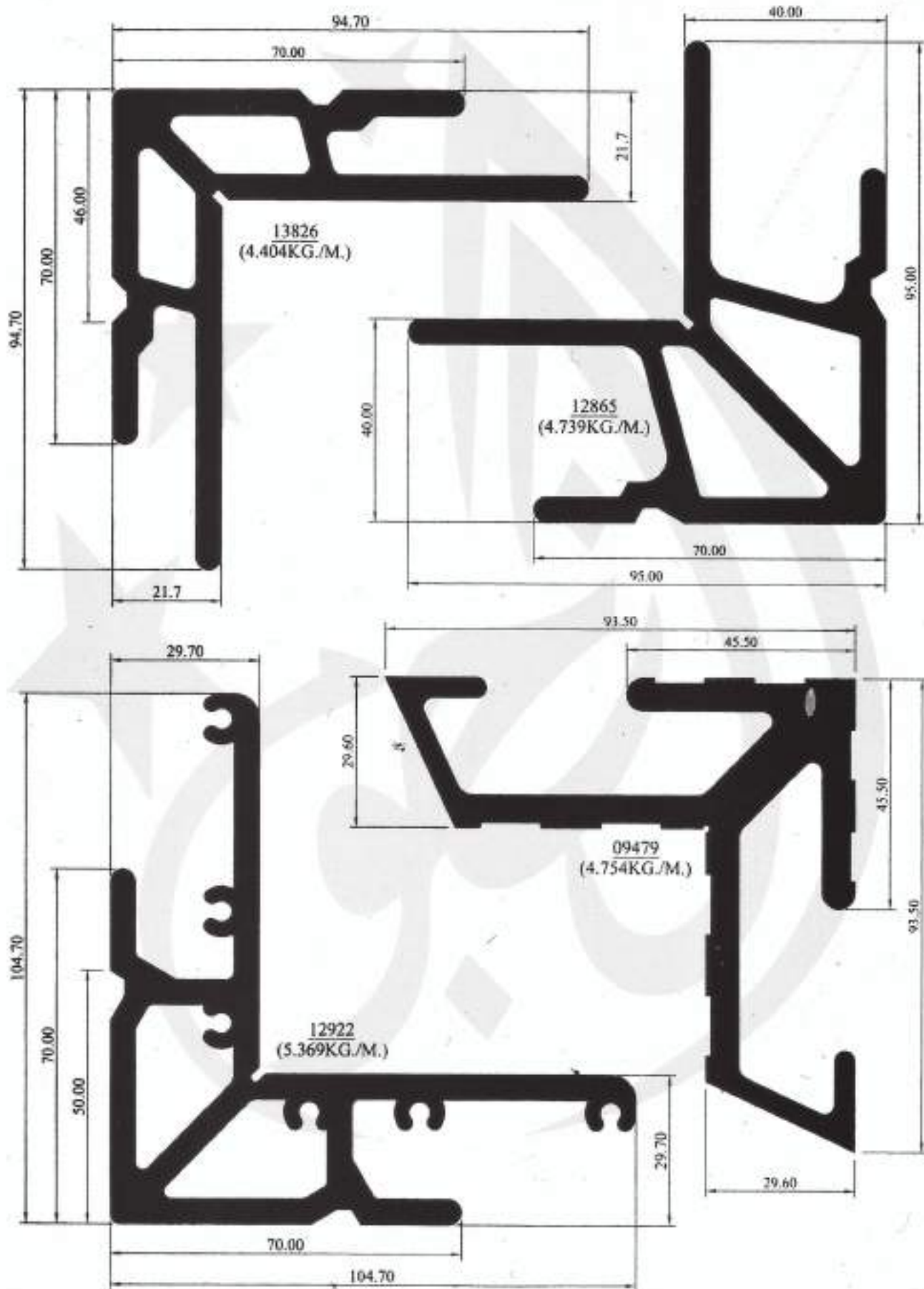


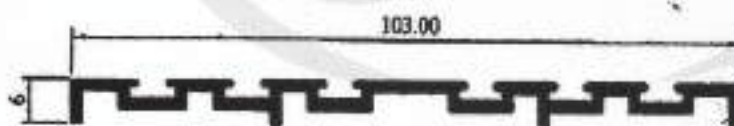
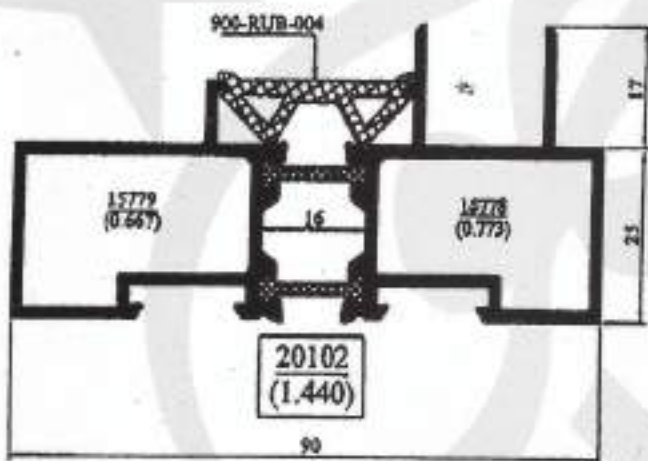
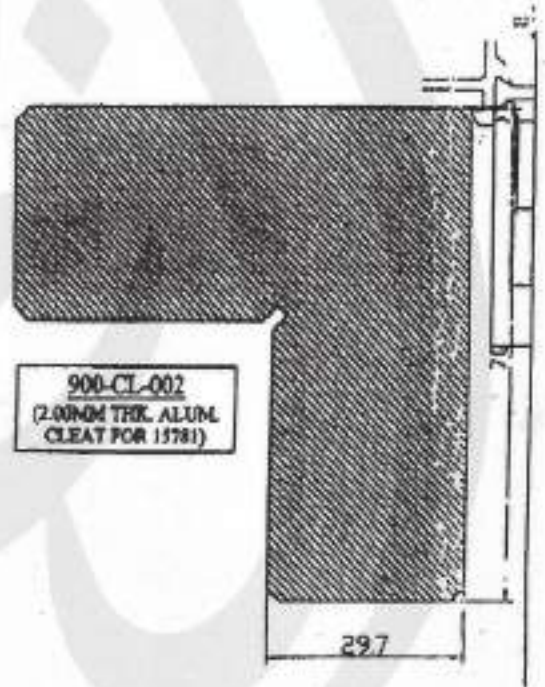
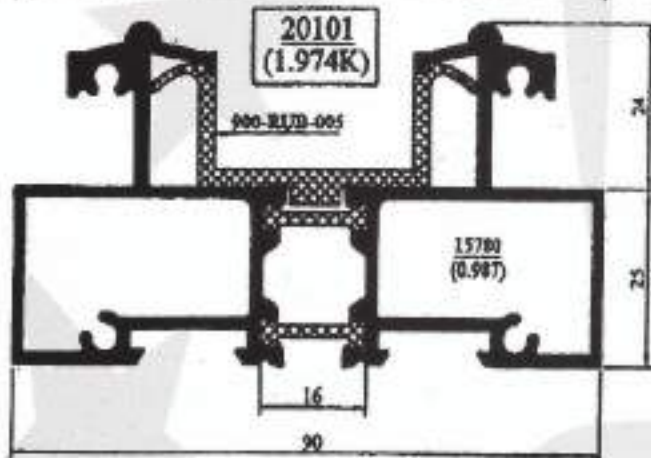
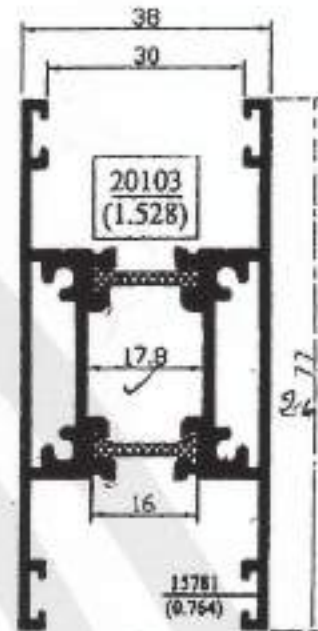
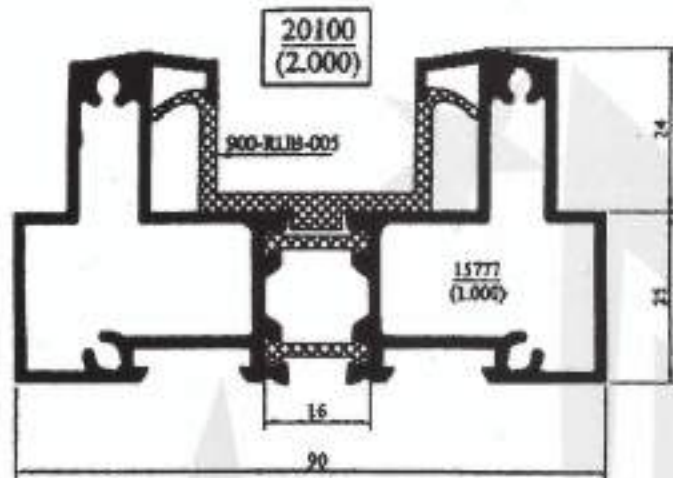






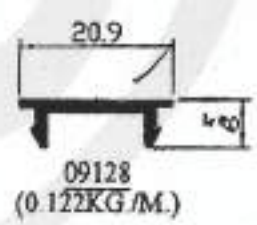
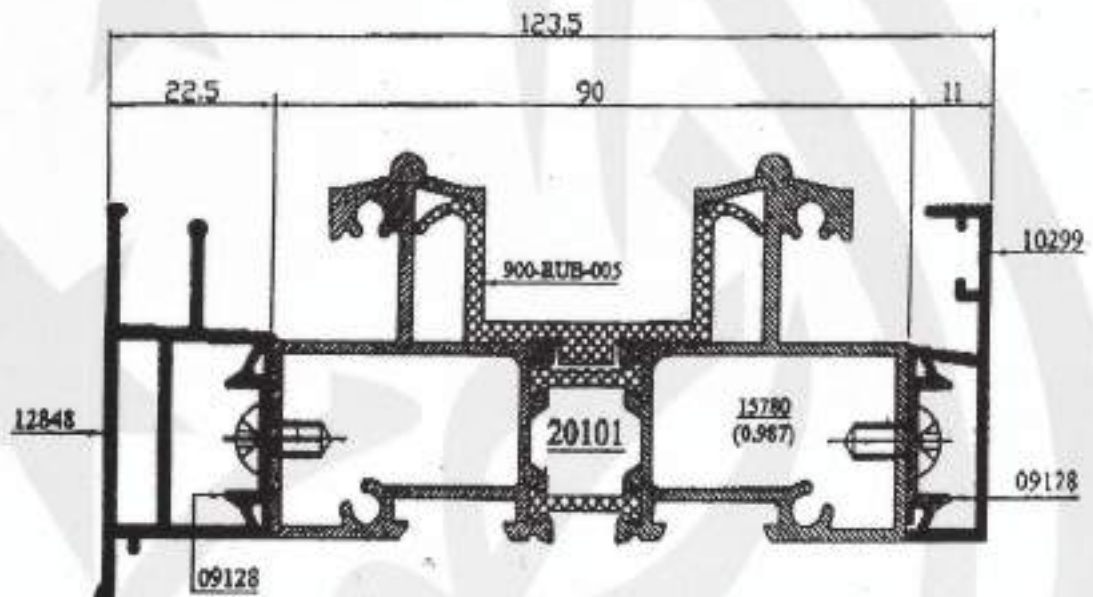
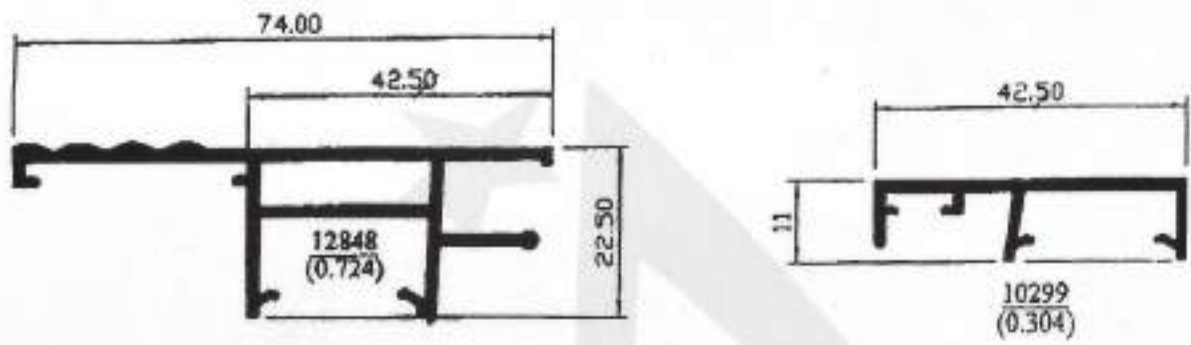
Salutadech
Babeey



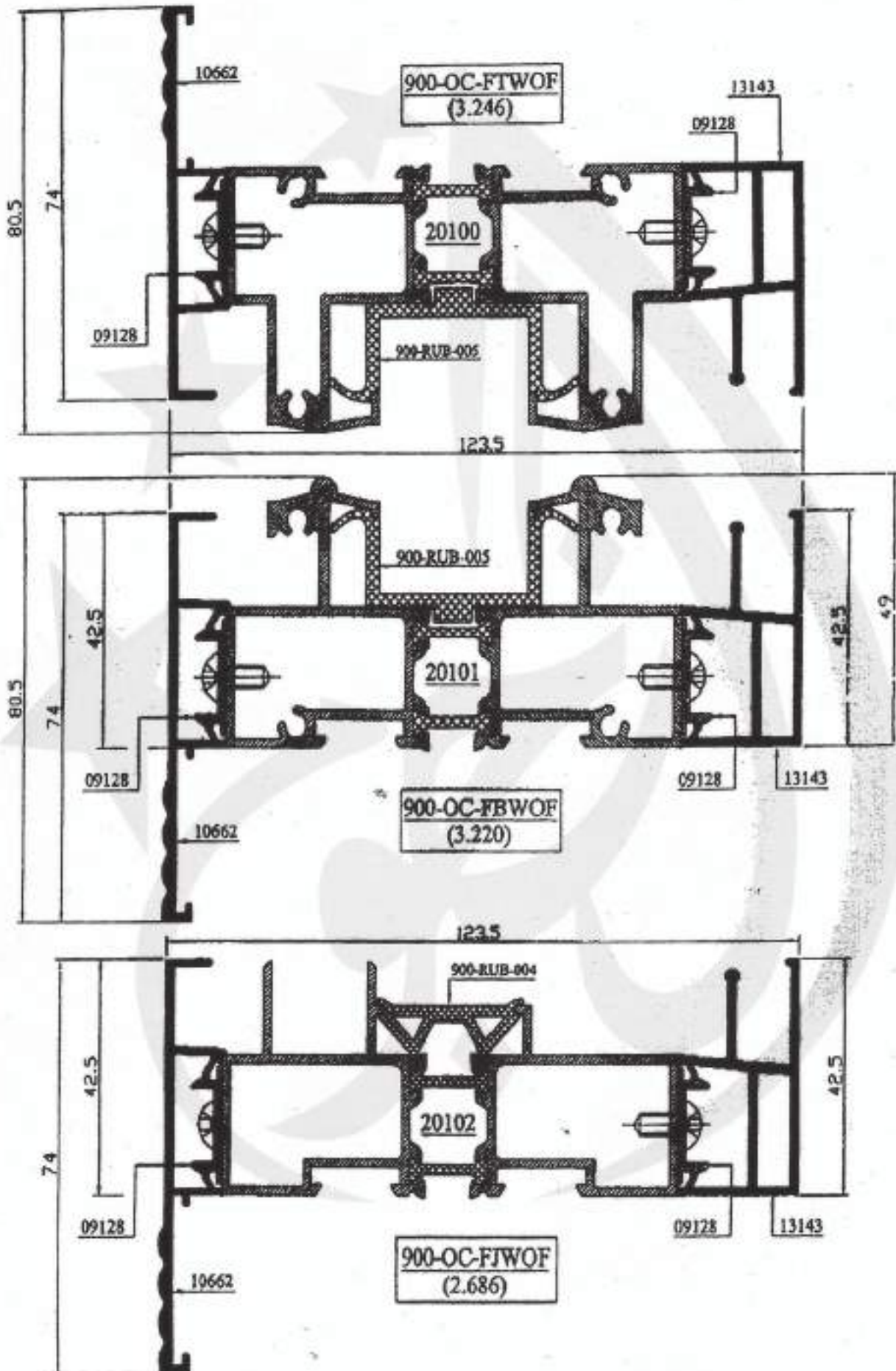


10219
(0.633)

(0.633)



10 cm Thermal Break Sliding

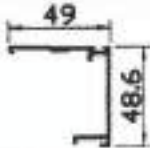
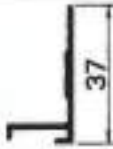

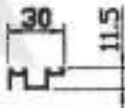
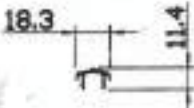
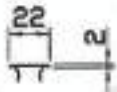
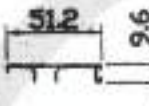
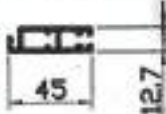
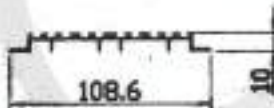
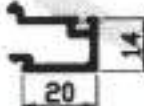



10 cm Thermal
Break Sliding

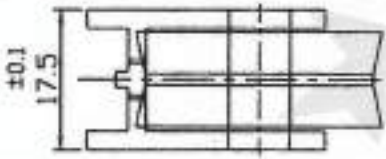
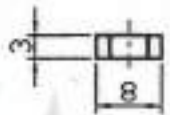
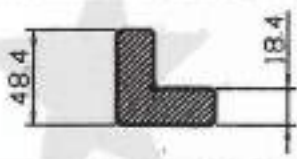
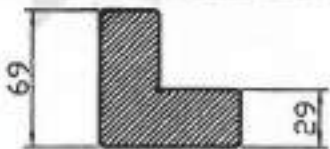

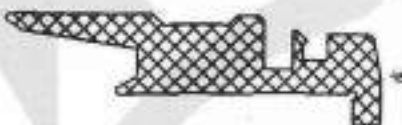

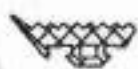




SR. NO.	PICTURE	PROFILE NO.	DESCRIPTION
1		20501 15647 + 15648 (2.488)	THERMAL STRIP (16MM) SLIDING WINDOW / DOOR FRAME ALL FOUR SIDES WITH ARCHITRAVE
2		20508 15860 + 15648 (2.383)	THERMAL STRIP (16MM) SLIDING WINDOW / DOOR FRAME WITH OUT ARCHITRAVE
3		20502 15649 + 15650 (2.313)	THERMAL STRIP (16MM) SLIDING WINDOW / DOOR FRAME FOR TOP & BOTTOM FIXED
4		20503 15651 + 15651 (1.418)	THERMAL STRIP (16MM) SLIDING WINDOW / DOOR SHUTTER ALL FOUR SIDES TO TAKE 24MM DOUBLE GLAZED UNIT ALSO AS A GLASS DIVIDER
5		20504 22155 + 15652 (0.897)	TO SNAP ON TO 20501 WHEN THERE ARE TOP & BOTTOM FIXED LIGHTS FILLER-20504 CAN BE USED AFTERWARDS
6		20505 15655 + 15656 (2.027)	THERMAL STRIP (16MM) USED AS A MULLION FOR TOP AND BOTTOM FIXED LIGHTS
7		20506 15653 + 15654 (2.306)	THERMAL STRIP (16MM) USED AS A TOP FRAME PROFILE WHEN SLIDING IS ACCOMPANIED WITH TOP FIXED LIGHTS
8		20507 22156 + 22156 (0.688)	THERMAL STRIP (16MM) EPDM-20507 FITTED ON TO PROFILE 20507 & THEN TO SNAP WITH 20503 WHEN THERE ARE 4 - SHUTTERS
9		20509 15919 + 15918 (2.674)	THERMAL STRIP (16MM) FRAME FROM TO ARCH AS A SEPARATE UNIT FOR TOP FIXED
10		20510 15921 + 15920 (1.825)	THERMAL STRIP (16MM) MULLION FOR INDEPENDENT ARCHES FOR TOP FIXED
11		20511 16826 + 16827 (2.484)	THERMAL STRIP (16MM) SLIDING WINDOW / DOOR FRAME ALL FOUR SIDES WITH ARCHITRAVE FLY SCREEN OUTSIDE



SR. NO.	PICTURE	PROFILE NO.	DESCRIPTION
12		22153 (0.542)	TO BE USED WITH PROFILE 20503 & LABYRINTH RUBBER EPDM-20503-1 TO FORM A INTERLOCK PROFILE
13		22370 (0.262)	PROFILE 22370 USED AS AN END CLOSURE FOR 20503 ALONG WITH EPDM-20503-2 TO FORM AN INTERLOCK PROFILE
14		22154 (0.259)	GLAZING BEAD TO ACCOMMODATE 24MM GLASS FOR TOP & BOTTOM FIXED LIGHT
15		22157 (0.273)	TO BE USED WITH 20503 & 22153 WHEN YOU HAVE 3 - SHUTTERS - (SAME SIZE)
16		22159 (0.145)	SLIDING WINDOW / DOOR TRACK TO BE SNAPPED ON TO 20501 FOR BOTTOM ONLY
17		22193 (0.117)	TO SNAP ON TO 20501 & 20502 FOR TOP & SIDES ONLY
18		22194 (0.280)	CAN BE USED TO COVER TRACK AREA ON 20501 & 20502 WHERE THE SHUTTER IS IN FIXED POSITION
19		13711 (0.455)	SLIDING FLY SCREEN PROFILE
20		22414 (0.633)	FOR DUST PROOF - TO BE FIXED AT THE TOP & BOTTOM OF THE FRAME PROFILES - WHERE THE 2 INTERLOCK PROFILES MEET (ABOUT 30MM CUT LENGTHS)
21		22420 (0.253)	GLAZING BEAD TO ACCOMMODATE 24MM GLASS FOR ARCHES ONLY
22		09365 (1.280)	TO BE USED AT 45° MITER JOINTS FOR THE FRAME PROFILE 20501 & 20506



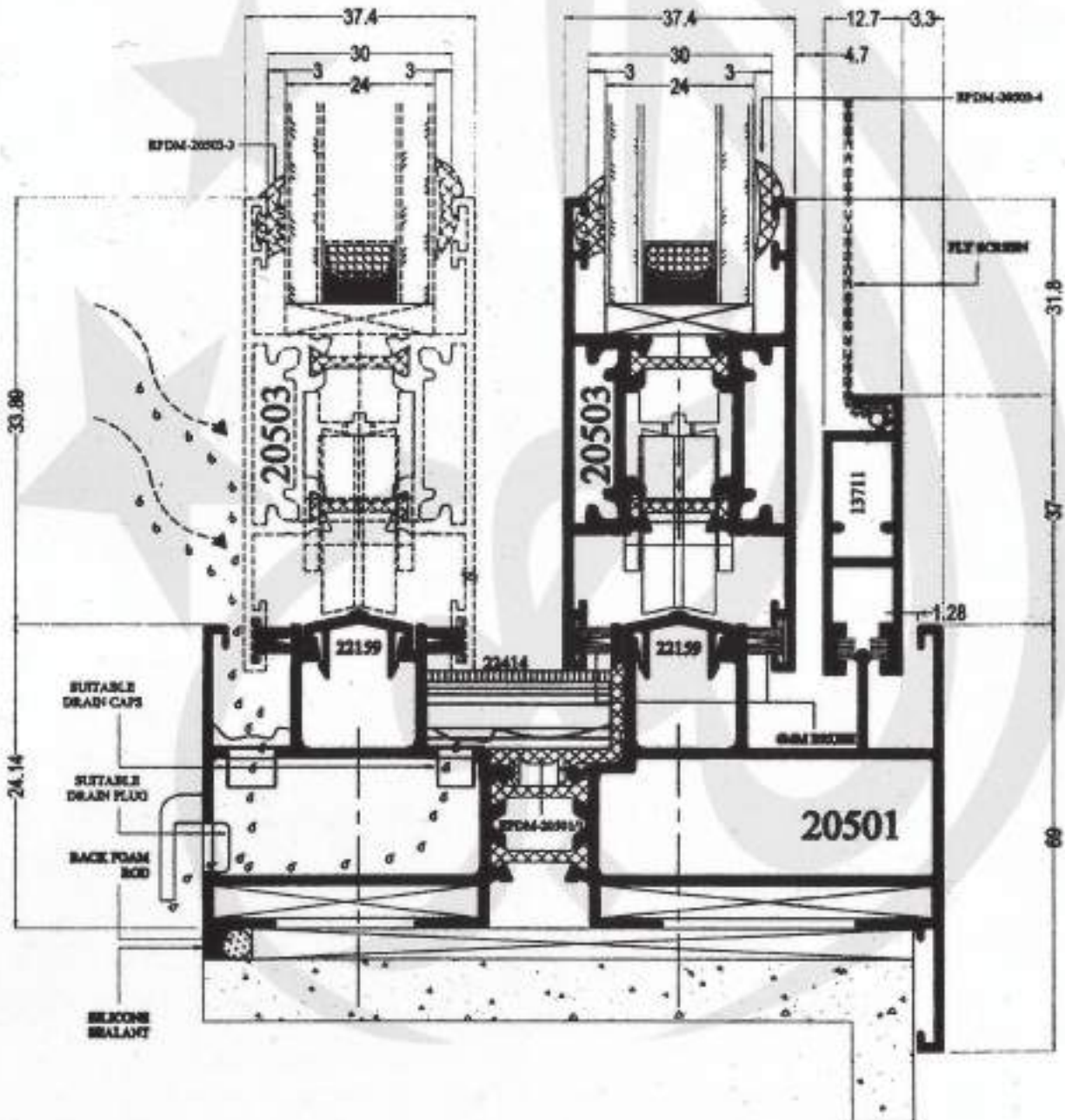
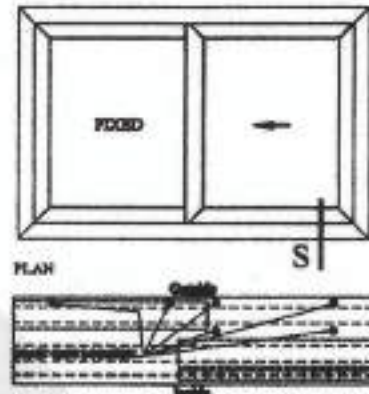
SR. NO.	PICTURE	DESCRIPTION	HARDWARE NO.
1		NEEDLE BEARING ROLLER HOUSED IN AN ALUMINIUM CHANNEL TO BE USED AT THE BOTTOM OF THE SHUTTER PROFILE 20503	
2		3MM THICK HOLDING STRIP FOR FASTENING ROLLER ON TO SHUTTER PROFILE 20503 USING 2 SCREWS OF M5x20	
3		1.5MM THICK ANGLE CLEAT FOR PROPER ALIGNMENT OF FRAME PROFILE 20501/20506	CA-20501
4		2.0MM THICK ANGLE CLEAT FOR PROPER ALIGNMENT OF SHUTTER PROFILE 20503	CA-20503
5		EPDM FILLER RUBBER FOR 20501 / 20502 & 20508	EPDM-20501/1
6		EPDM RUBBER FOR INTERLOCK TO BE FIXED BETWEEN PROFILES 20503 & 22153	EPDM-20503-1
7		EPDM RUBBER FOR 3 SHUTTERS TO BE USED WITH 20503 & 22153 (CUT)	EPDM-20503-2
8		EPDM SEALING RUBBER WITH SHUTTER 20503 - AREA FACING OUTSIDE TO HOLD 24MM DOUBLE GLAZED UNIT	EPDM-20503-3
9		EPDM SEALING RUBBER WITH SHUTTER 20503 - AREA FACING INSIDE TO HOLD 24MM DOUBLE GLAZED UNIT	EPDM-20503-4
10		EPDM SEALING U-TYPE RUBBER TO BE USED WITH 20503 TO HOLD 24MM DOUBLE GLAZED UNIT	EPDM-20503-5

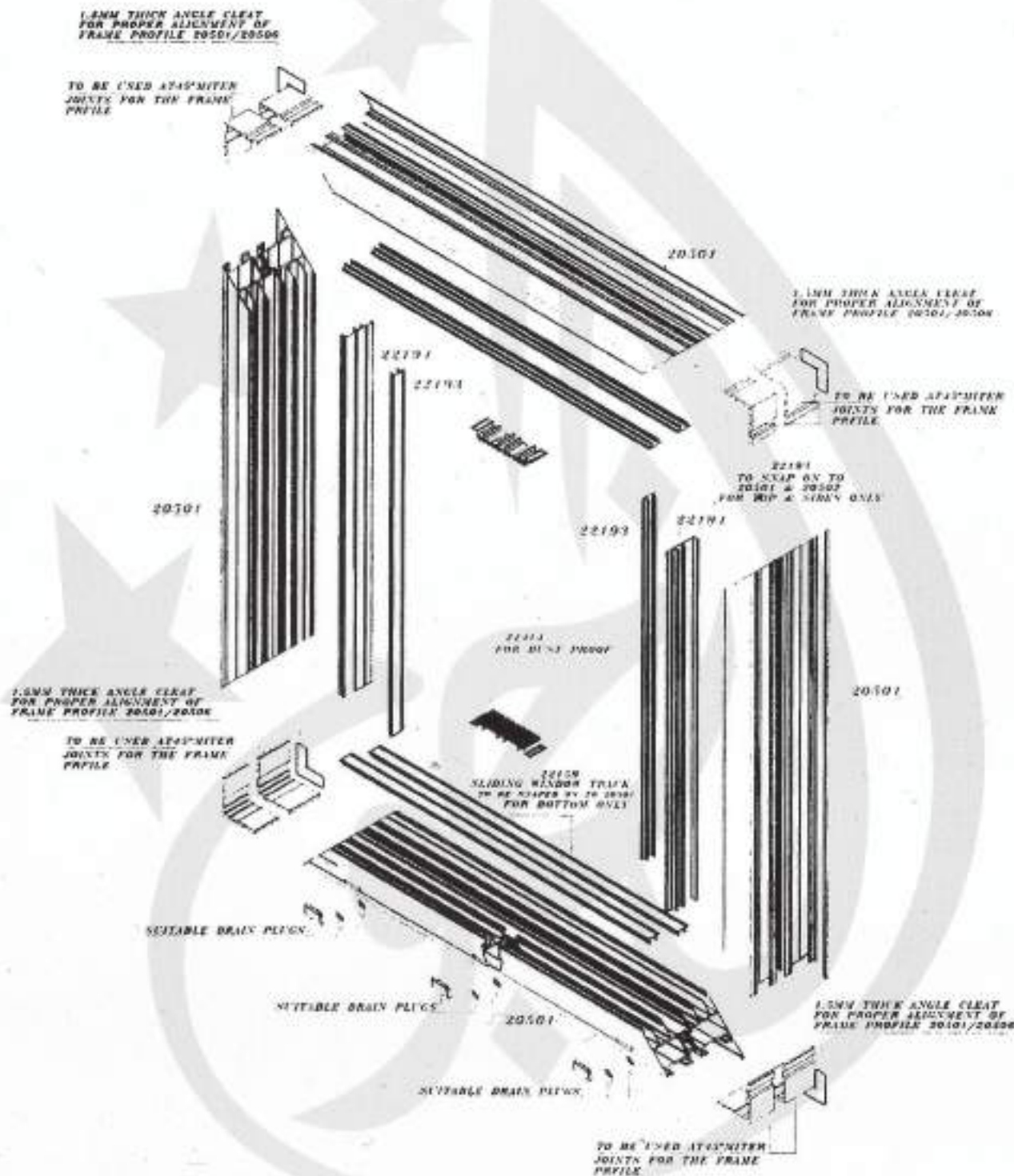
OPTION 1

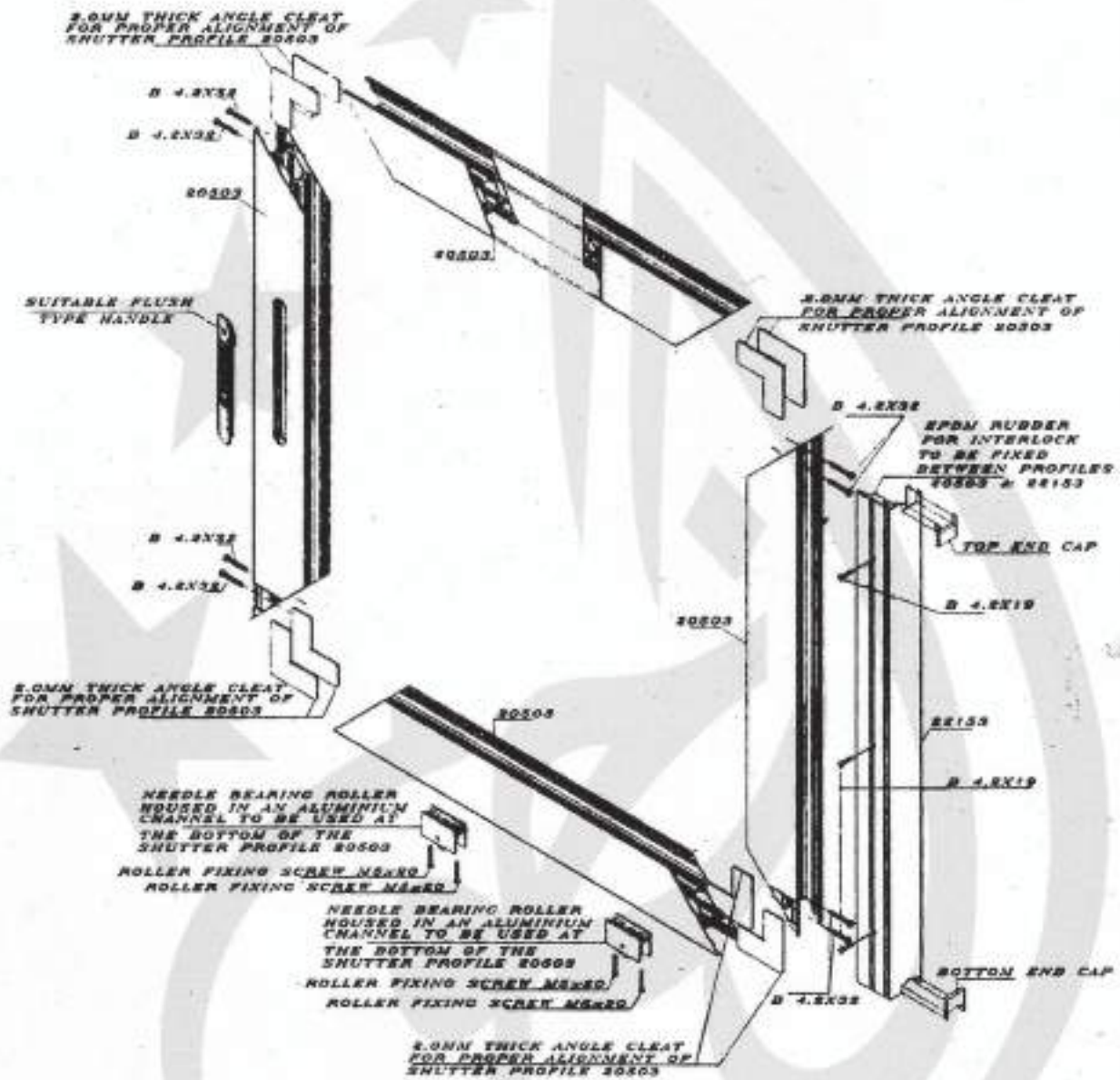
OPTION 2



DRAIN SYSTEM

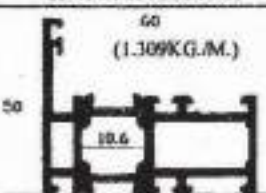
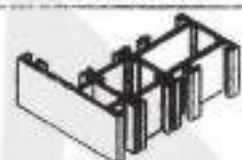


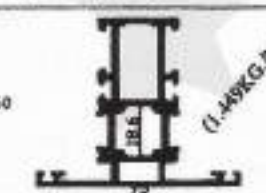
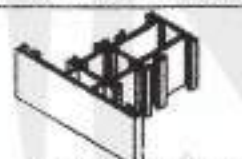















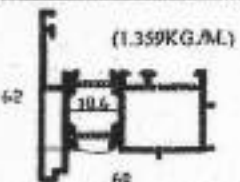

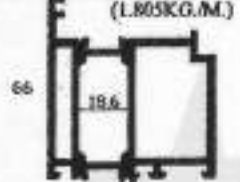

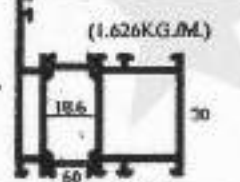

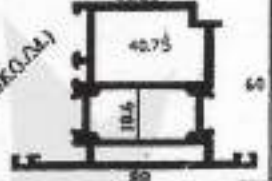



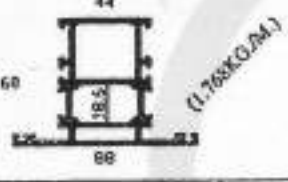

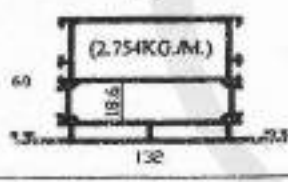



12 cm Thermal Break Sec



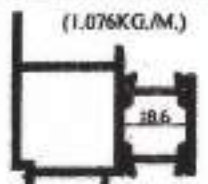

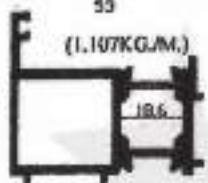

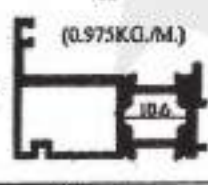



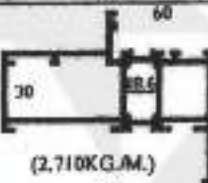

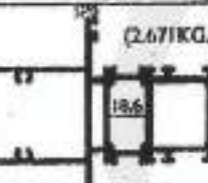

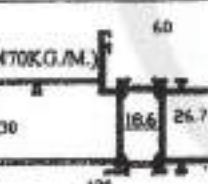

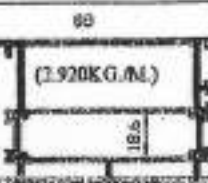

S. NO.	PROFILE SHAPE & WT. IN KG./M.	PROFILE NO	3 D SHAPE DESCRIPTION	Moment of Inertia cm ⁴	Section Modulus cm ³
1	 (1.309KG./M.)	20206 (15451 + 15452)	 WINDOW FRAME PROFILE	$I_x=53.63$ $I_y=8.80$	$W_x=16.24$ $W_y=2.70$
2	 (1.503KG./M.)	20207 (15775 + 15774)	 WINDOW SHUTTER PROFILE	$I_x=79.84$ $I_y=23.51$	$W_x=1.95$ $W_y=6.16$
3	 (1.489KG./M.)	20208 (15452 + 15776)	 WINDOW T- PROFILE	$I_x=58.37$ $I_y=12.73$	$W_x=18.24$ $W_y=3.53$
4	 (4.312KG./M.)	1006	 CORNER CLEAT USED WITH PROFILE NO. 20206 & 20207 (MILL FINISH)	$I_x=99.25$ $I_y=99.25$	$W_x=15.75$ $W_y=15.75$
5	 (4.416KG./M.)	0860	 CORNER CLEAT USED WITH PROFILE NO. 20207 (MILL FINISH)	$I_x=94.14$ $I_y=94.14$	$W_x=14.94$ $W_y=14.94$
6	 1.797KG./M.)	12871	 TO JOIN T-PROFILE WITH THE FRAME PROFILES - 20206 & 20211 & ALSO TO THE SHUTTER PROFILE 20213	$I_x=10.38$ $I_y=13.42$	$W_x=7.45$ $W_y=8.17$
7	 (0.507KG./M.)	10300	 USED WITH 20206 / 20211 ETC.	$I_x=2.41$ $I_y=0.65$	$W_x=0.12$ $W_y=0.15$
8	 (0.175KG./M.)	09888	 DRIVING POLE FOR LOCKING ARRANGEMENT - TO SLIDE IN THE SLOT PROVIDED IN THE SHUTTER PROFILE 20207 & 20229	$I_x=0.21$ $I_y=0.01$	$W_x=0.21$ $W_y=0.03$

Thermal Break
10 cm High 50c



S. NO.	PROFILE SHAPE & WT. IN KG./M.	PROFILE NO.	3 D SHAPE DESCRIPTION	Moment of Inertia cm ⁴	Section Modulus cm ³
9	 (1.359KG./M.) 62 18.6 60	<u>20209</u> (15804 + 15805)	 WINDOW CUIT PROFILE WHICH IS FASTENED ON TO THE SHUTTER PROFILE 20207 (FOR DOUBLE LEAF HINGED WINDOW)	$I_x=61.98$ $I_y=19.33$	$W_x=25.78$ $W_y=4.91$
10	 (1.805KG./M.) 66 18.6 60	<u>20210</u> (15812 + 15811)	 HINGED DOOR FRAME PROFILE	$I_x=110.95$ $I_y=59.60$	$W_x=32.48$ $W_y=15.01$
11	 (1.626KG./M.) 66 18.6 30 60	<u>20211</u> (15807 + 15808)	 HINGED DOOR FRAME PROFILE	$I_x=94.06$ $I_y=34.07$	$W_x=27.57$ $W_y=7.86$
12	 (1.948KG./M.) 33.85 40.75 18.6 60 60	<u>20212</u> (15811 + 15813)	 HINGED DOOR SHUTTER PROFILE (FOR DOORS OPENING OUTSIDE)	$I_x=116.37$ $I_y=66.96$	$W_x=34.28$ $W_y=13.81$
13	 (1.928KG./M.) 68 40.75 18.6 60 60	<u>20213</u> (15815 + 15816)	 HINGED DOOR SHUTTER PROFILE (FOR DOORS OPENING INSIDE)	$I_x=116.64$ $I_y=70.11$	$W_x=33.43$ $W_y=14.63$
14	 (1.768KG./M.) 44 60 18.6 88 88	<u>20214</u> (15808 + 15809)	 T - PROFILE	$I_x=99.30$ $I_y=40.47$	$W_x=29.62$ $W_y=09.19$
15	 (2.754KG./M.) 60 18.6 132 132	<u>20215</u> (15823 + 15822)	 LARGE T-PROFILE	$I_x=205.01$ $I_y=310.56$	$W_x=58.95$ $W_y=41.59$
16	 (0.963KG./M.) 30.75 18.6 60	<u>20216</u> (15817 + 15815)	 DOOR CUIT PROFILE WHICH IS FASTENED ON TO THE SHUTTER PROFILE 20213 (FOR DOUBLE LEAF HINGED DOORS)	$I_x=43.30$ $I_y=07.16$	$W_x=14.47$ $W_y=02.68$





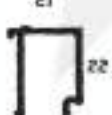







S. NO.	PROFILE SHAPE & WT. IN KG./M.	PROFILE NO.	3 D SHAPE DESCRIPTION	Moment of Inertia cm ⁴	Section Modulus cm ³
17	 (1.076KG./M.)	20220 (15826 + 22314)	 DOOR CUFT PROFILE WHICH IS FASTENED ON TO THE FRAME PROFILE 20206/20211 TEE PROFILE 20214 (ONLY FOR PIVOT WINDOWS)	$I_x=24.03$ $I_y=15.97$	$W_x=06.91$ $W_y=05.41$
18	 (1.107KG./M.)	20221 (15810 + 22314)	 DOOR CUFT PROFILE WHICH IS FASTENED ON TO THE FRAME PROFILE 20211 FOR DOORS OPENING OUTSIDE	$I_x=27.02$ $I_y=13.64$	$W_x=07.24$ $W_y=04.56$
19	 (0.975KG./M.)	20222 (15814 + 22315)	 DOOR CUFT PROFILE WHICH IS FASTENED ON TO THE SHUTTER PROFILE 20212 (FOR DOUBLE LEAF HINGED DOORS) (DOORS OPENING OUTSIDE)	$I_x=22.30$ $I_y=06.99$	$W_x=06.05$ $W_y=01.89$
20	 (2.054KG./M.)	20223 (15803 + 15806)	 WINDOW FRAME PROFILE WITH 40MM ARCHITRAVE	$I_x=23.70$ $I_y=321.21$	$W_x=04.45$ $W_y=60.55$
21	 (2.710KG./M.)	20224 (15820 + 15819)	 DOOR FRAME PROFILE	$I_x=104.59$ $I_y=929.94$	$W_x=26.56$ $W_y=143.93$
22	 (2.671KG./M.)	20225 (15821 + 15808)	 DOOR T- PROFILE	$I_x=113.72$ $I_y=942.97$	$W_x=25.84$ $W_y=140.23$
23	 (2.470KG./M.)	20226 (15820 + 15808)	 DOOR FRAME PROFILE	$I_x=85.68$ $I_y=894.02$	$W_x=20.24$ $W_y=136.70$
24	 (1.920KG./M.)	20227 (15825 + 15824)	 DOOR PANEL - BOTTOM PROFILE	$I_x=209.19$ $I_y=359.48$	$W_x=39.21$ $W_y=54.90$

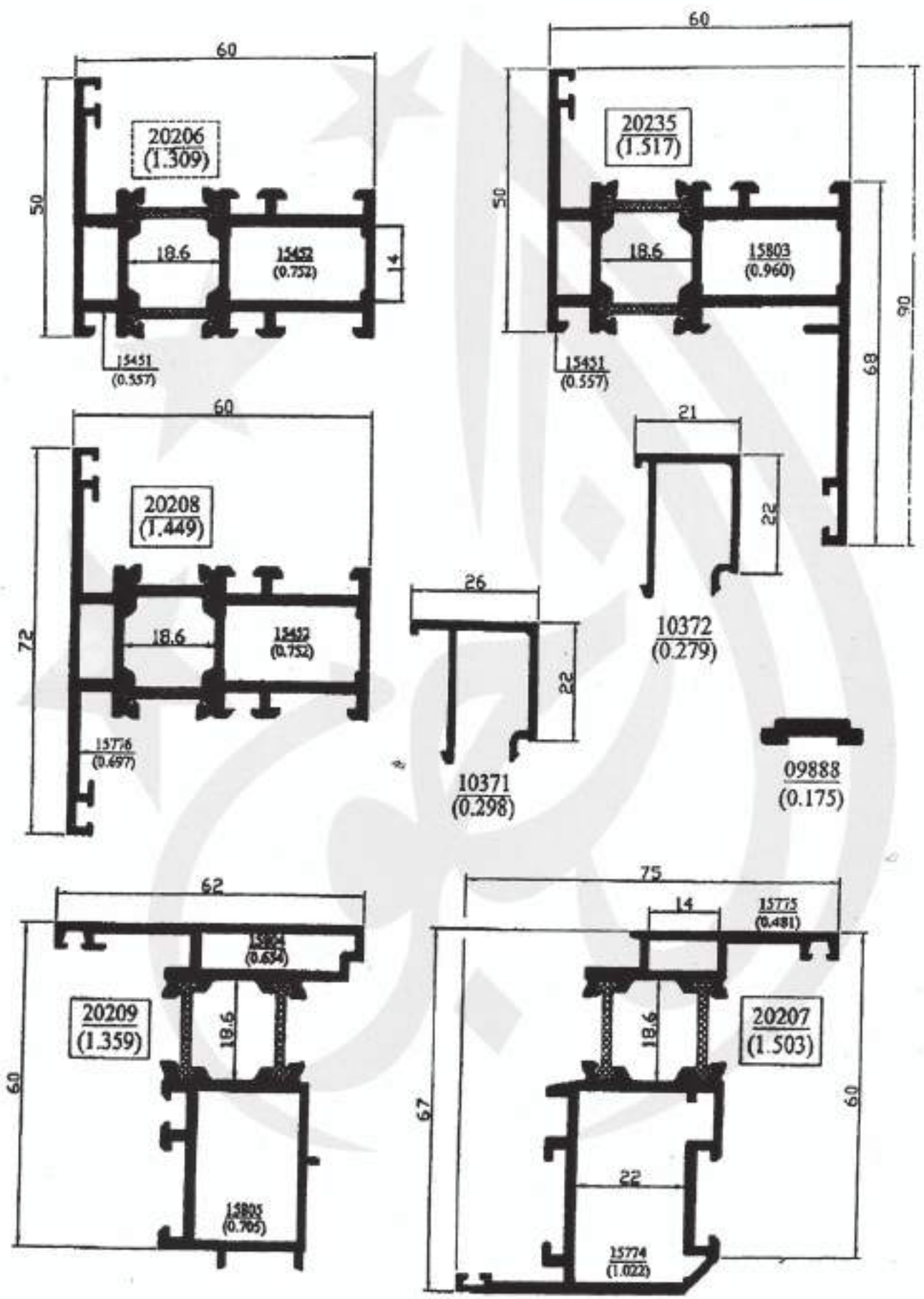


S. NO.	PROFILE SHAPE & WT. IN KG./M.	PROFILE NO	DESCRIPTION	Moment of Inertia cm ⁴	Section Modulus cm ³
25	 (1.229KG./M.)	20228 (15843 + 15844)	 ADAPTOR PROFILE USED WITH 20206 (FOR WINDOW OPENING OUTSIDE)	$I_x=17.70$ $I_y=6.43$	$W_x=4.93$ $W_y=2.00$
26	 (1.914KG./M.)	20229 (15842 + 15841)	 WINDOW SHUTTER PROFILE (OPENING OUTSIDE)	$I_x=135.65$ $I_y=41.61$	$W_x=36.26$ $W_y=9.42$
27	 (1.846KG./M.)	20234 (15806 + 15452)	 WINDOW FRAME PROFILE WITHOUT ARCHITRAVE	$I_x=12.33$ $I_y=298.93$	$W_x=3.43$ $W_y=5.49$
28	 (1.517KG./M.)	20235 (15451 + 15803)	 WINDOW FRAME PROFILE WITH ARCHITRAVE	$I_x=52.93$ $I_y=20.28$	$W_x=17.12$ $W_y=3.82$
29	 (0.157KG./M.)	22317	 TO BE USED WITH BOTTEM PANEL 20227	$I_x=0.07$ $I_y=0.05$	$W_x=0.12$ $W_y=0.07$
30	 (0.298KG./M.)	22313	 CHAIR PROFILE USED WITH HINGED DOOR FRAME 20211 / 20224 / 20226 / 20225	$I_x=0.09$ $I_y=1.01$	$W_x=0.09$ $W_y=0.62$
31	 (0.561KG./M.)	22331	 ADAPTOR FOR SWING DOORS	$I_x=0.72$ $I_y=8.78$	$W_x=0.42$ $W_y=2.42$
32	 (0.755KG./M.)	09006	 TRESHOLD	$I_x=0.13$ $I_y=19.95$	$W_x=0.26$ $W_y=4.43$

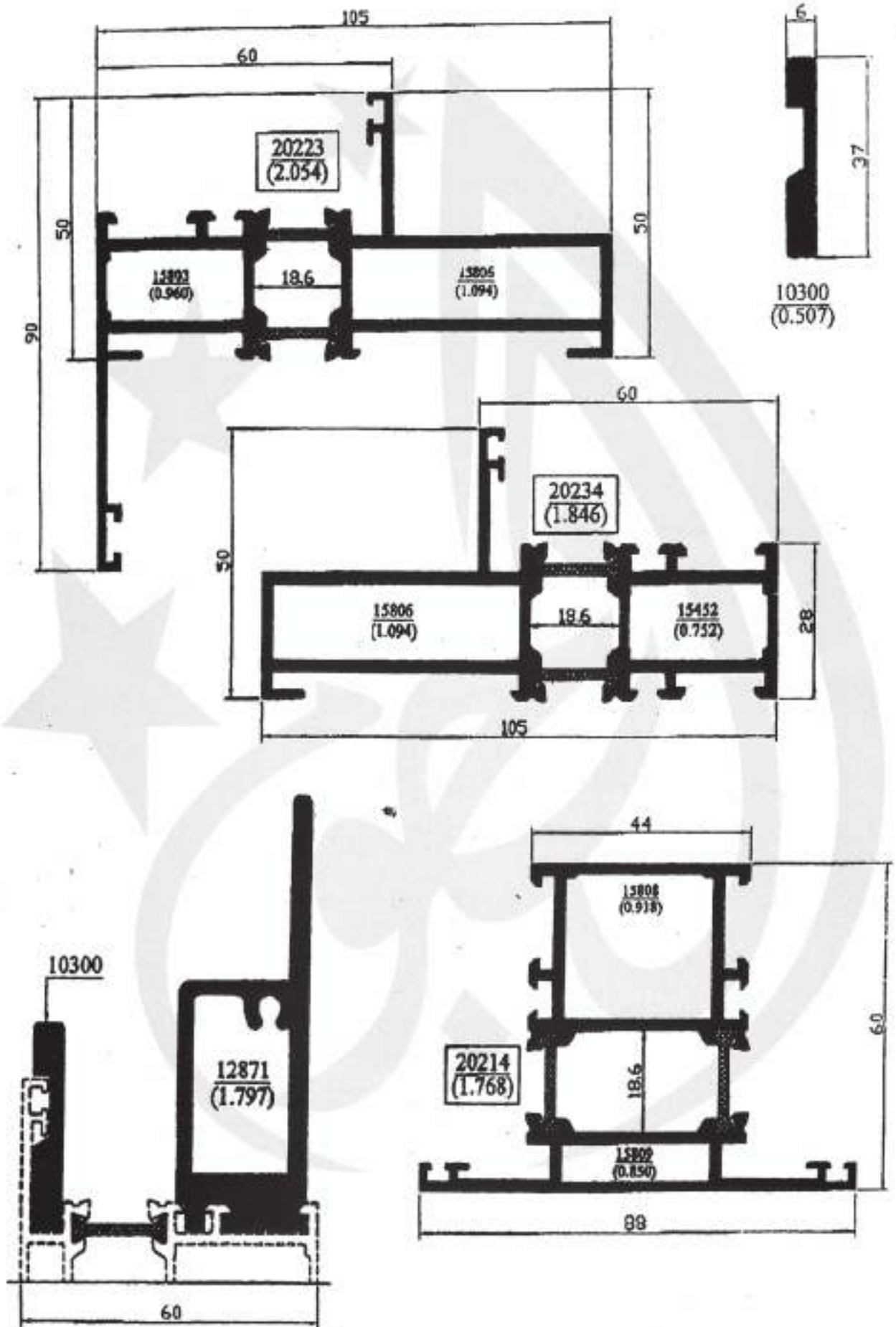


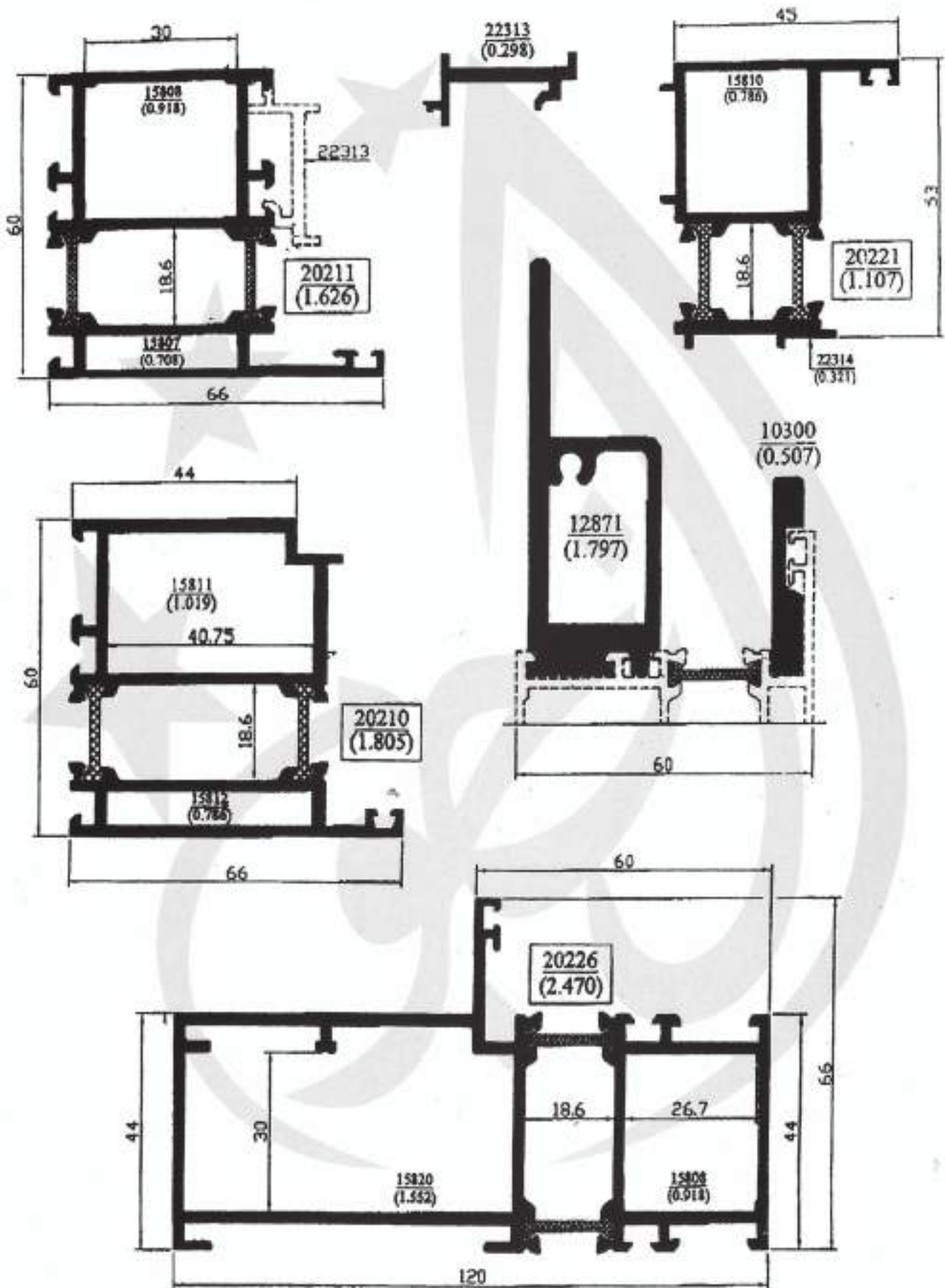
S. NO	PROFILE SHAPE & WT. IN KG/M.	PROFILE NO.	DESCRIPTION	Moment of Inertia cm ⁴	Section Modulus cm ³
33	 (4.739)	12865	 CORNER CLEAT USED WITH PROFILE NO. 20210 / 20212 / 20213 (MILL FINISH)	$I_x=109.77$ $I_y=109.77$	$W_x=15.33$ $W_y=15.33$
34	 (5.369)	12922	 CORNER CLEAT USED WITH PROFILE NO. 20211 / 20224 / 20226 (MILL FINISH)	$I_x=119.80$ $I_y=105.80$	$W_x=21.91$ $W_y=21.91$
35	(0.279KG./M.)  21 22	10372	 GLAZING BEAD TO ACCOMMODATE GLASS THICKNESS VARYING FROM 33MM TO 27MM	$I_x=0.78$ $I_y=0.69$	$W_x=0.47$ $W_y=0.51$
36	(0.267KG./M.)  21 22	11546	 GLAZING BEAD TO ACCOMMODATE GLASS THICKNESS VARYING FROM 23MM TO 27MM (7MM CORNER RAD.)	$I_x=0.73$ $I_y=0.56$	$W_x=1.55$ $W_y=1.97$
37	(0.298KG./M.)  26 22	10371	 GLAZING BEAD TO ACCOMMODATE GLASS THICKNESS VARYING FROM 33MM TO 22MM	$I_x=0.84$ $I_y=0.75$	$W_x=0.49$ $W_y=0.73$

Thermal Break
10 cm High See

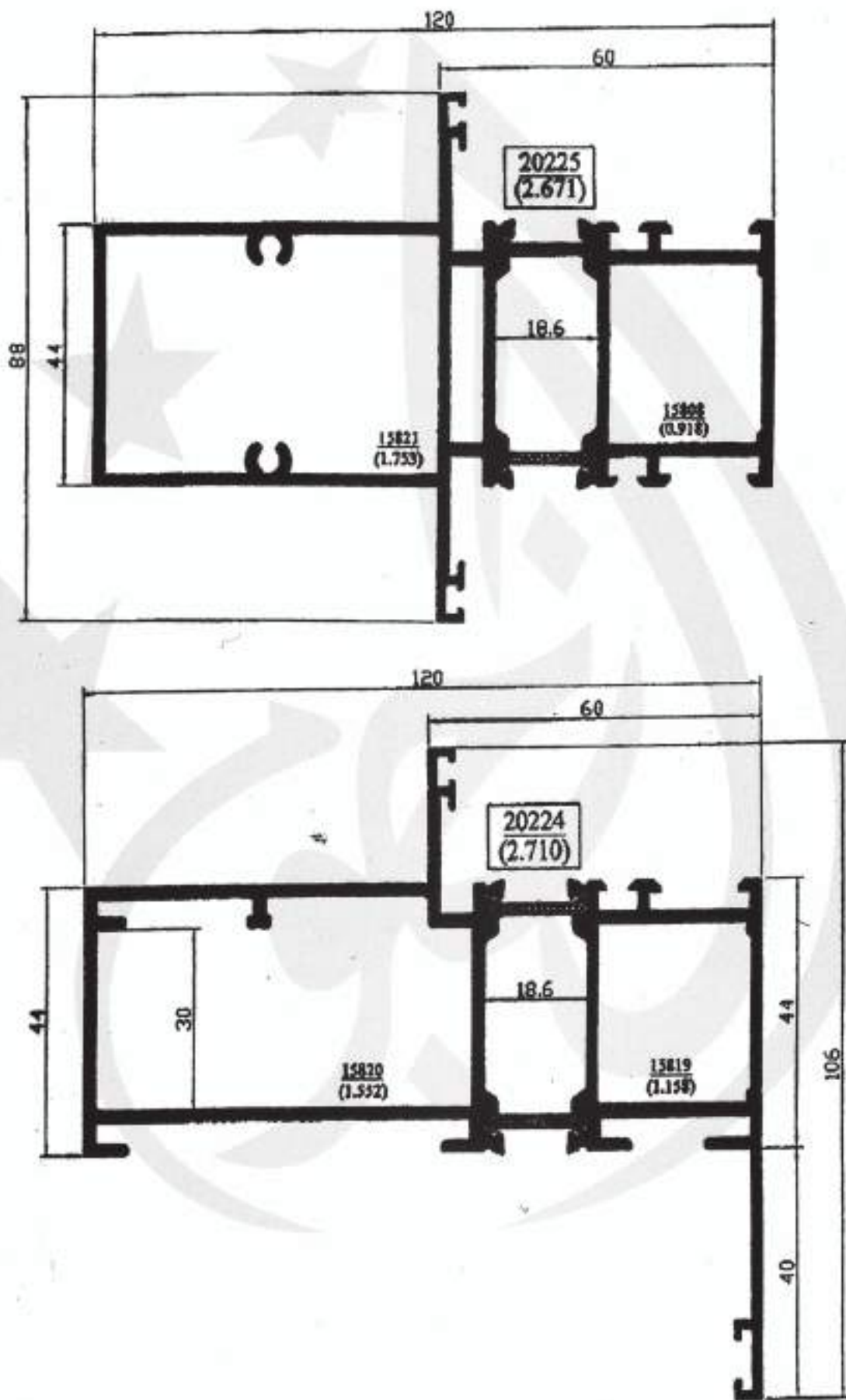


Thermal Break
10 cm Highel Sec

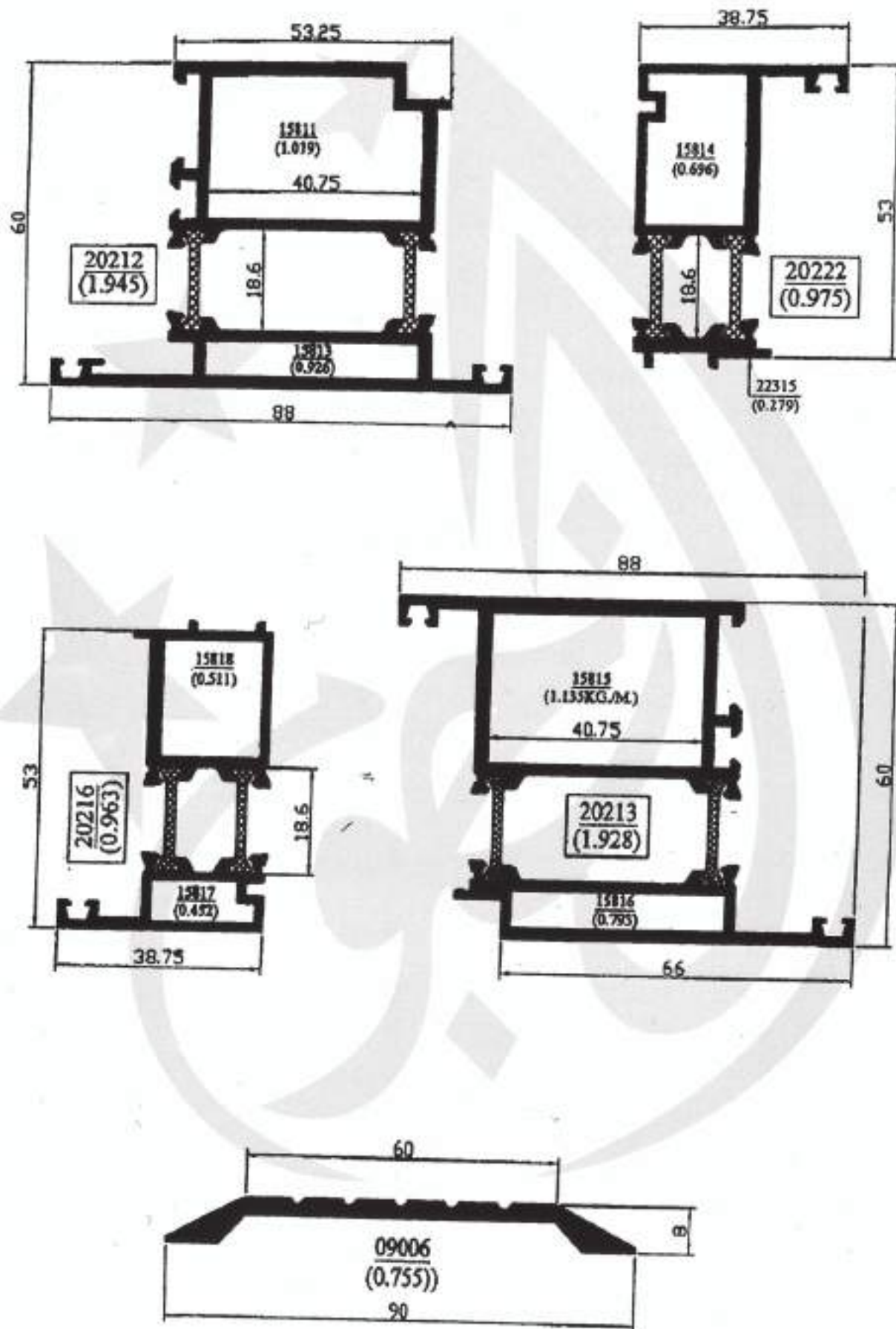




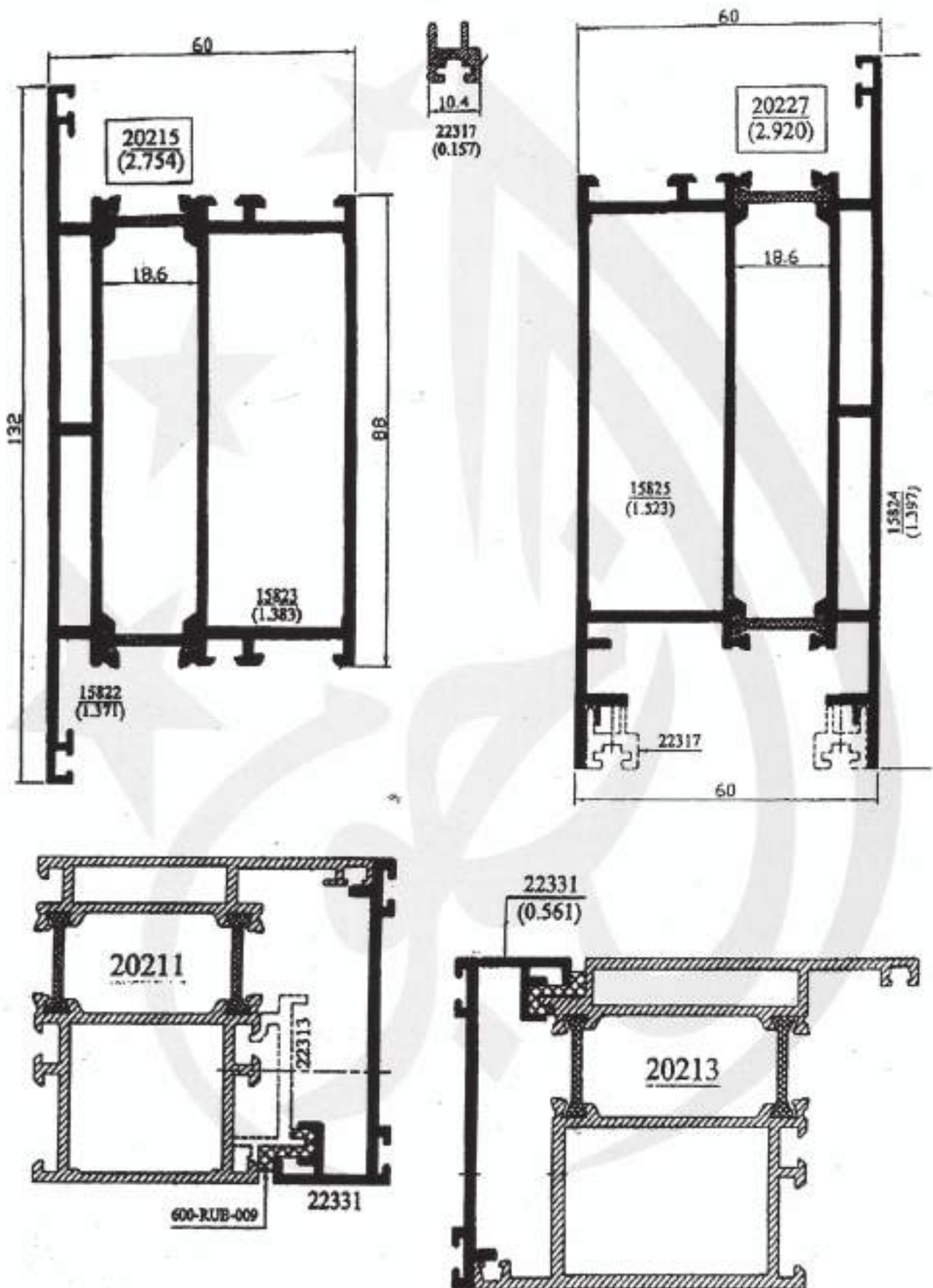
Thermal Break
10 cm Rigid Sec



Thermal Break
10 cm Higel Sac

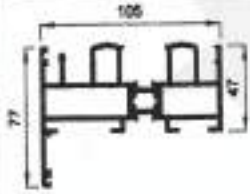
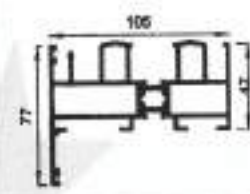
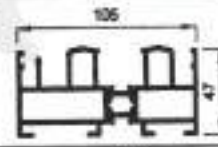
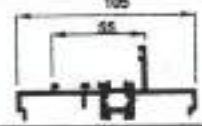
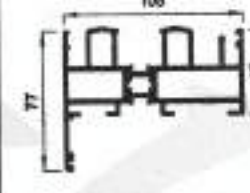
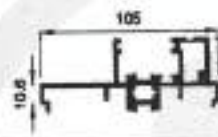
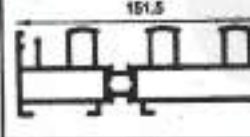
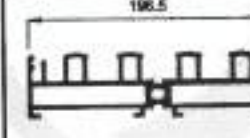

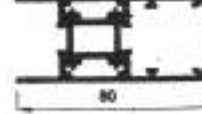


Thermal Break
10 cm 40/20 Sec

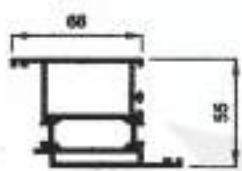
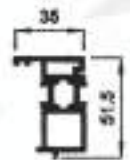
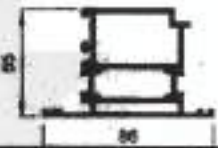

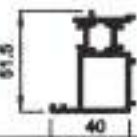
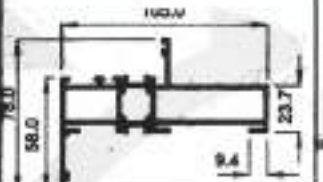
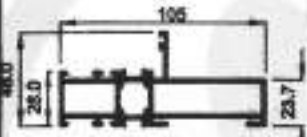
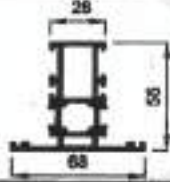
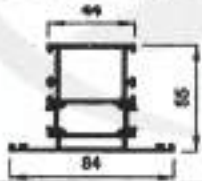
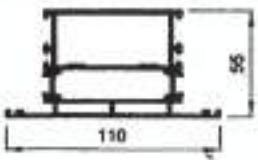


Thermal Break
10 cm High Sec

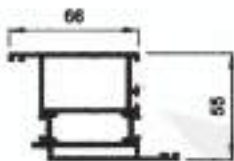

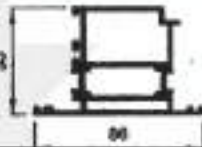
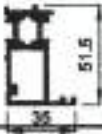
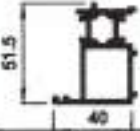
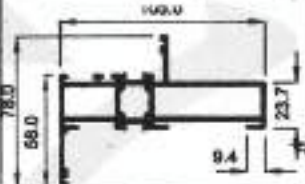
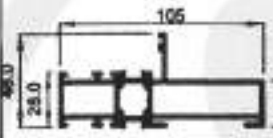
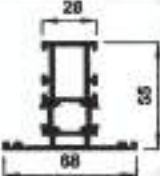
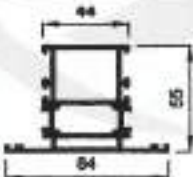
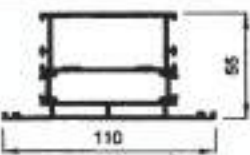


ASSEMBLE CODE NO.	PROFILE SHAPE	SECTION NO	DISCRIPTION	PAGE NO
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5007		81538 & 81539	SLIDING OUTER FRAME WITH ARCHITRAVE	63
5002		81528 & 81527	SLIDING OUTER FRAME	63
5004		71608 & 71609	ADAPTOR FOR SLIDING W/ FIXED	63
5008		81540 & 81528	SLIDING OUTER FRAME WITH ARCHITRAVE	63A
5009		71614 & 71613	ADAPTOR FOR SLIDING W/ FIXED	63A
5010		81528 & 81541	SLIDING OUTER FRAME	63A
5011		81541 & 81542	SLIDING OUTER FRAME	63A
5003		81529	SLIDING WINDOW/ DOOR SHUTTER	64
5006		81534	SLIDING WINDOW/ DOOR SHUTTER 90° ASSEMBLE	64

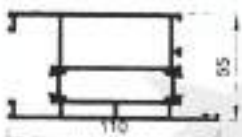

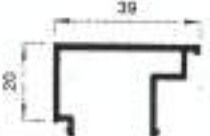
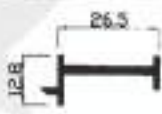









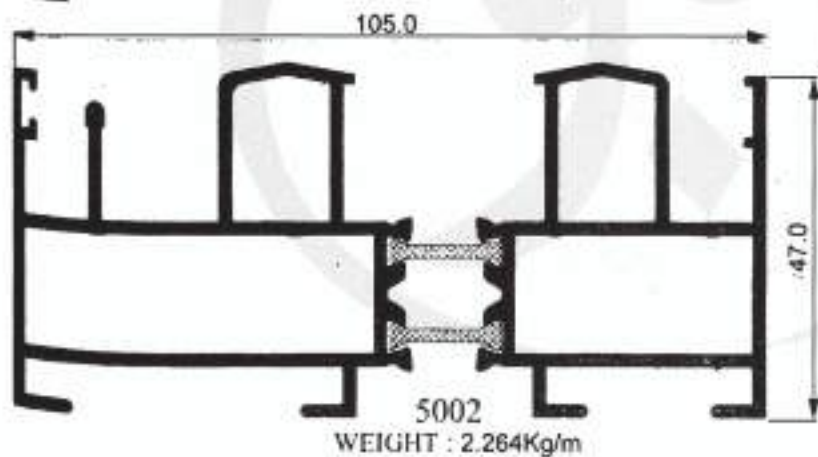
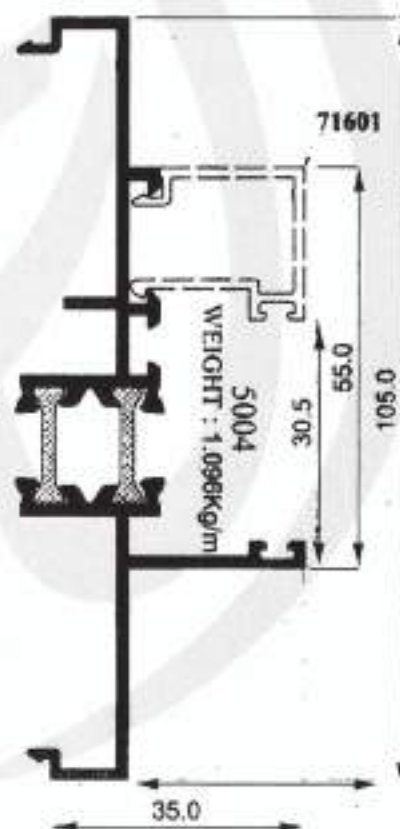
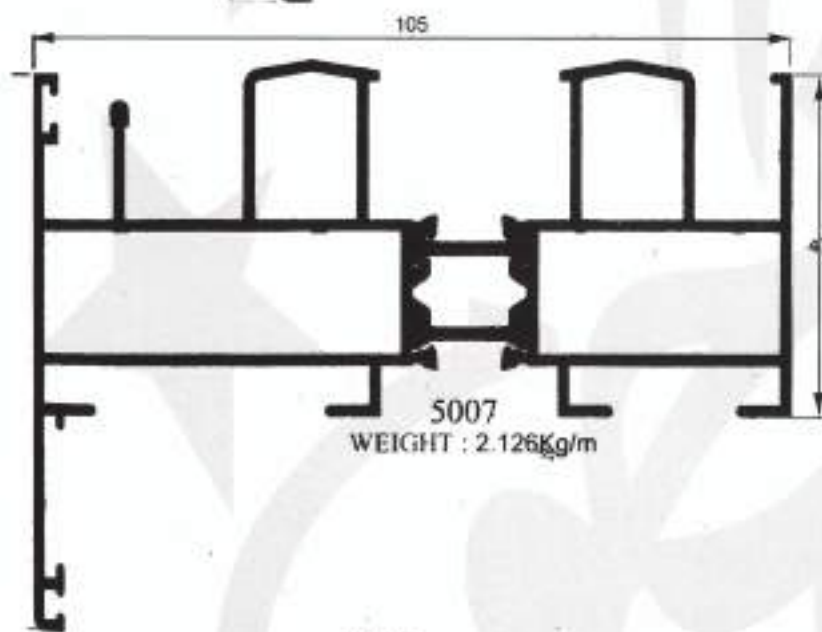
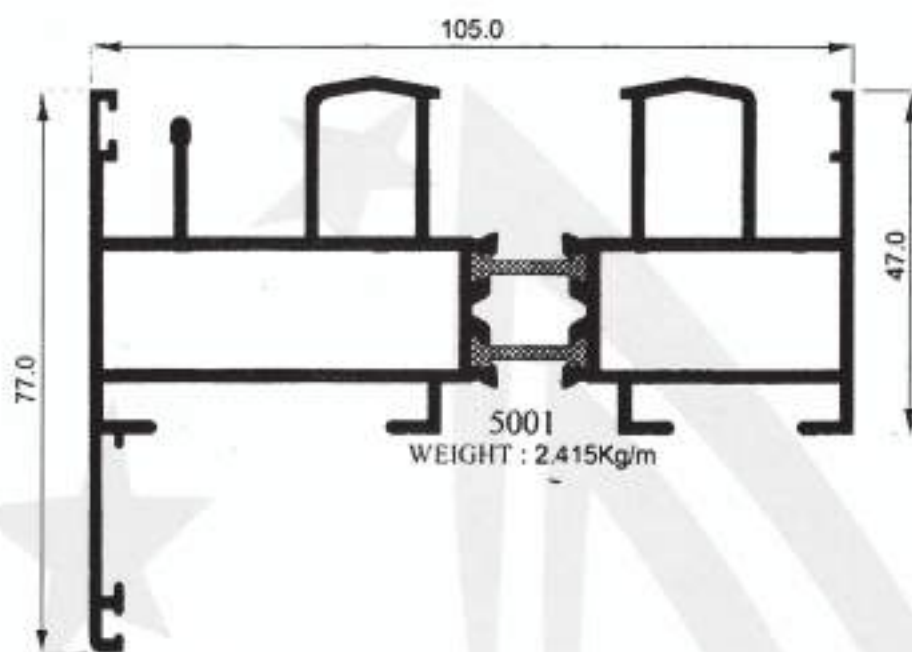
6006		81508 & 81509	DOOR SHUTTER OPEN IN	80
6007		81511 & 81510	DOUBLE LEAF DOOR MEETING ADAPTOR OPEN IN	81
6008		81512 & 81513	DOOR SHUTTER OPEN OUT	81
6009		81514 & 71600	DOUBLE LEAF DOOR MEETING ADAPTOR OPEN OUT	81
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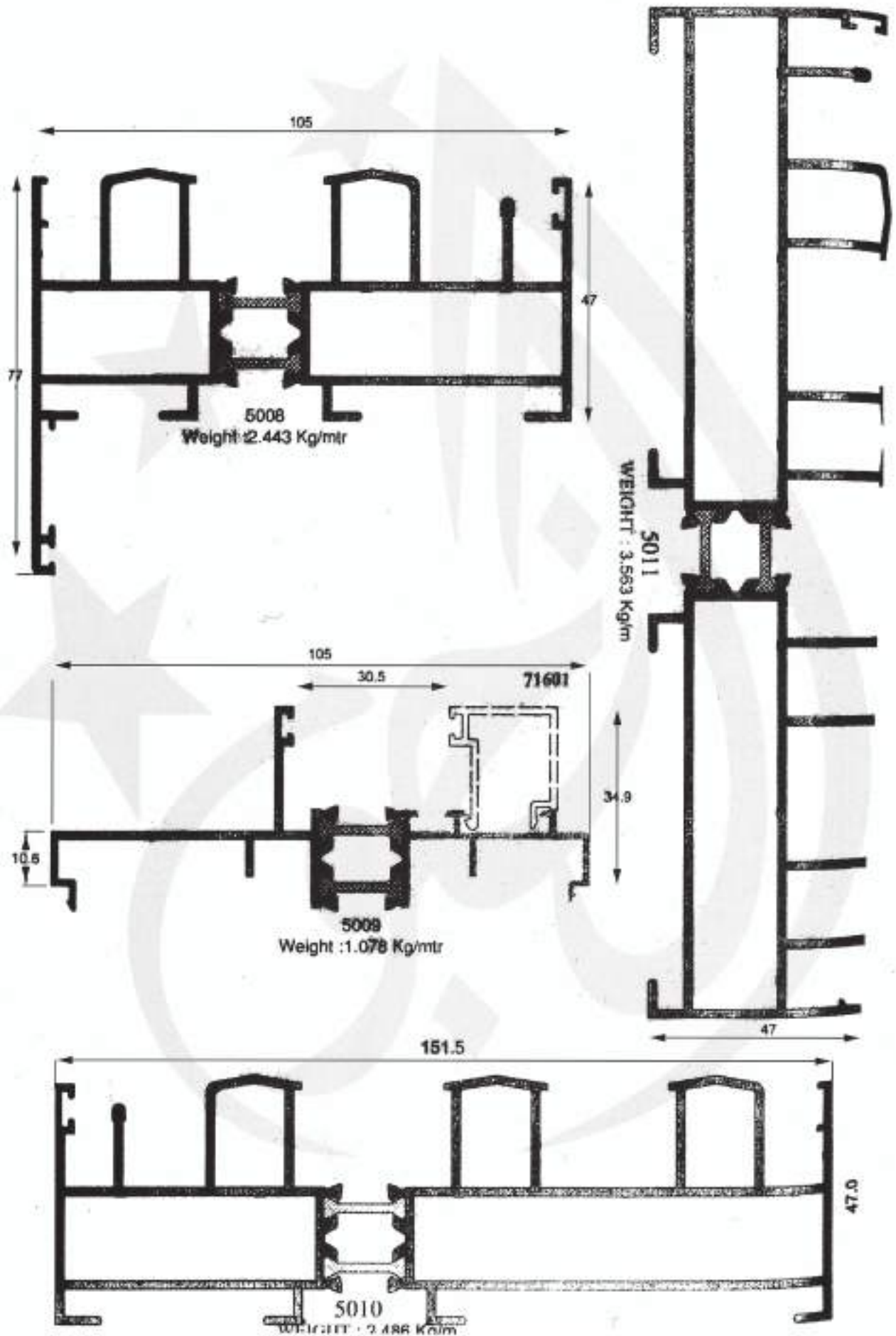


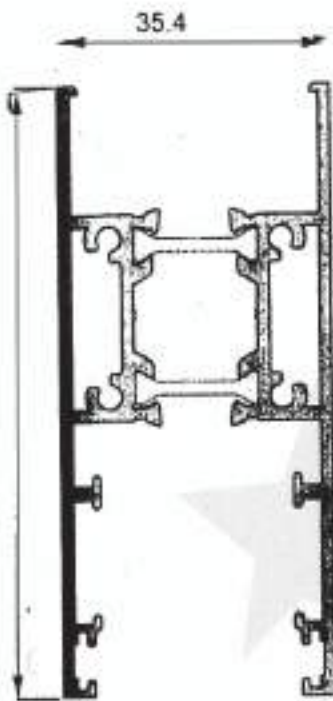
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6007		81511 & 81510	DOUBLE LEAF DOOR MEETING ADAPTOR OPEN IN	81
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6010		81500 & 81515	TRANSOM	82
6011		81506 & 81516	TRANSOM	82
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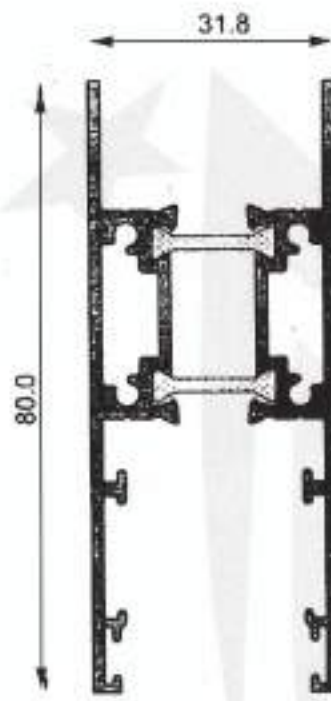
6013		81519 & 81520	DOOR BOTTOM RAIL	82
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-----		81521	CORNER CLEAT FOR 6001, 6002 & 6005	84
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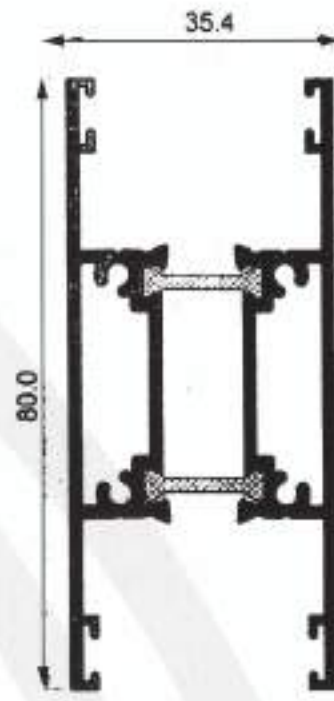




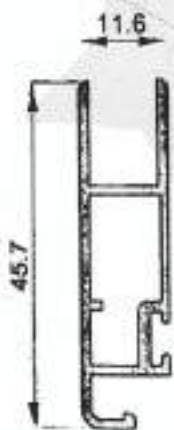
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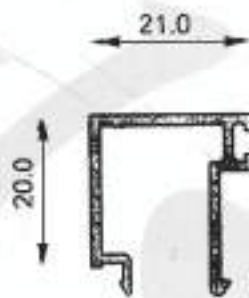
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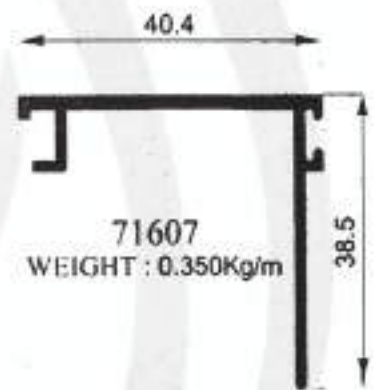
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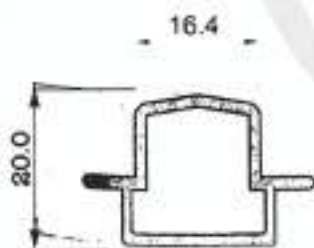
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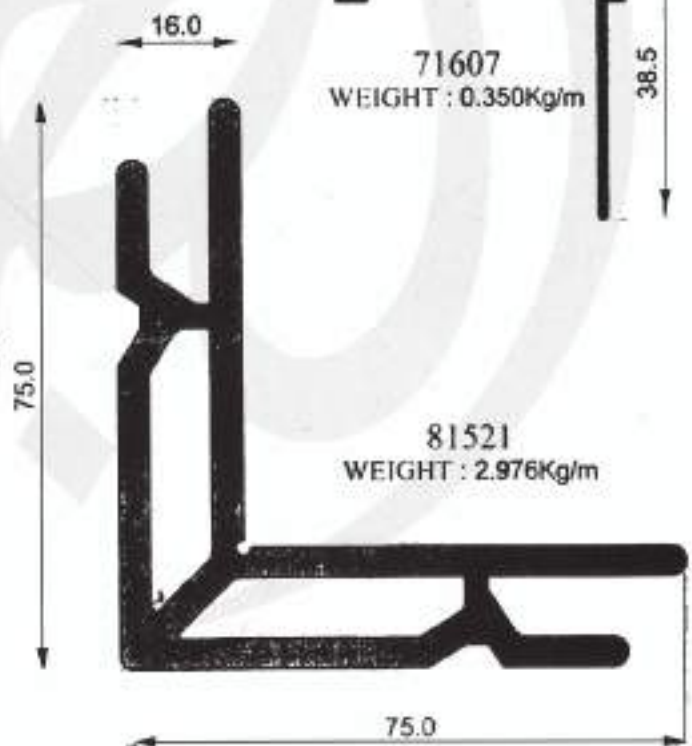
71601
WEIGHT : 0.275Kg/m



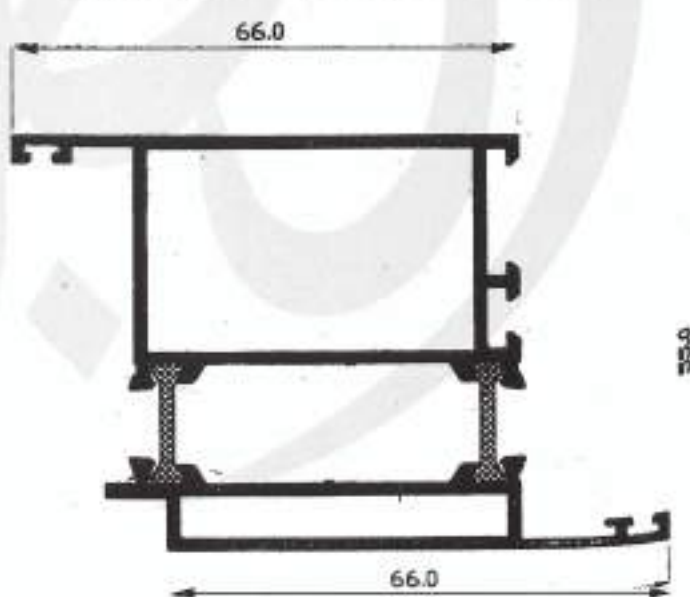
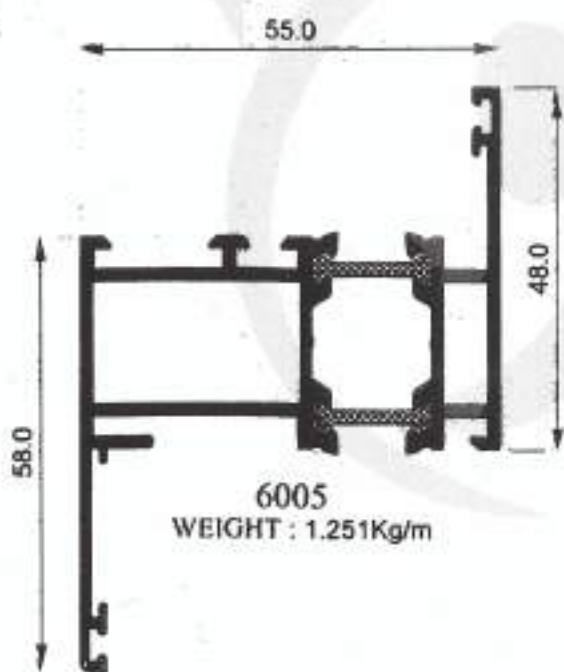
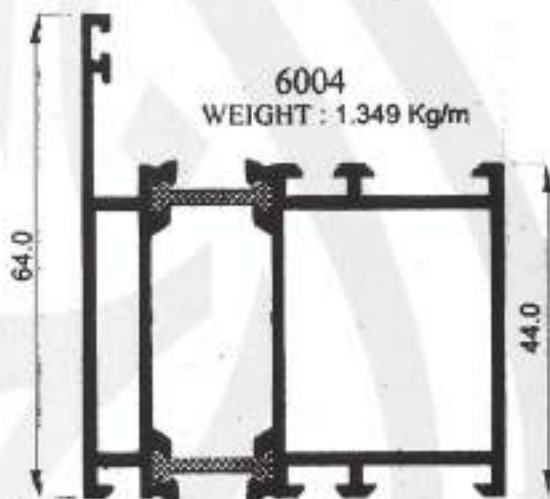
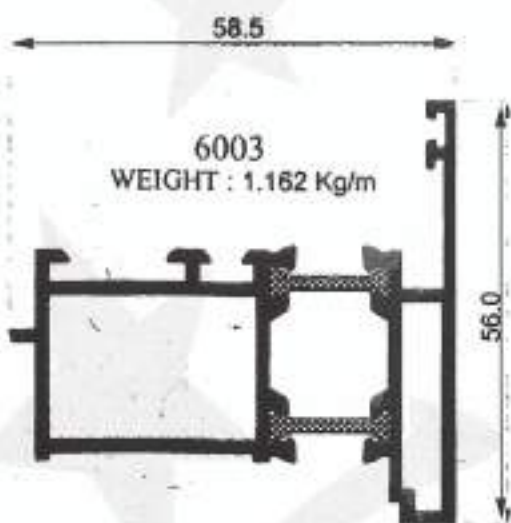
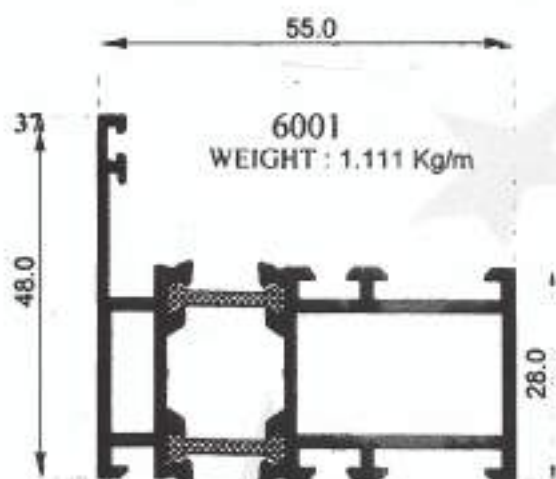
71607
WEIGHT : 0.350Kg/m

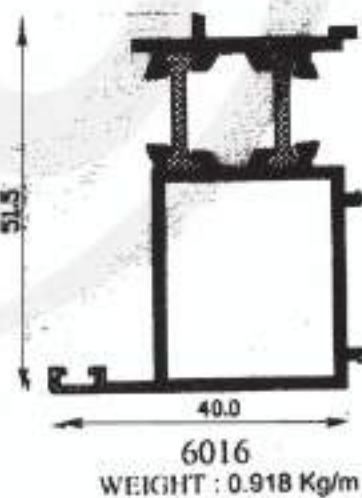
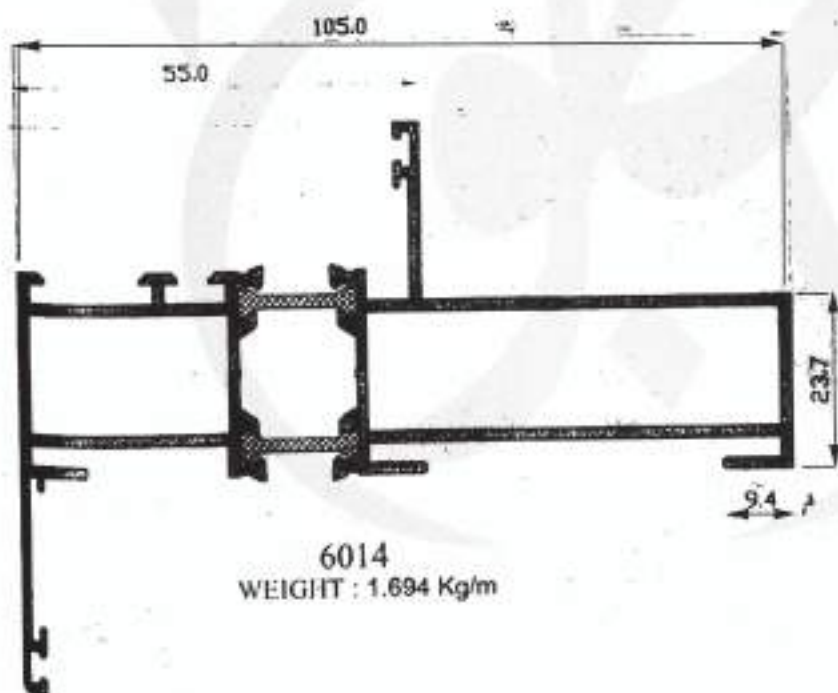
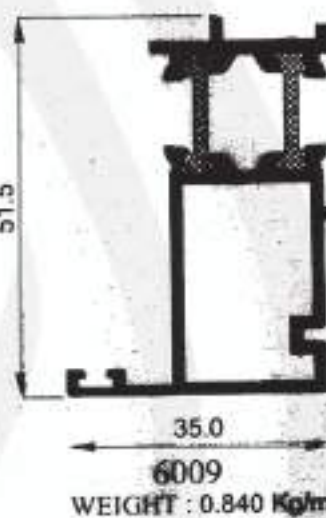
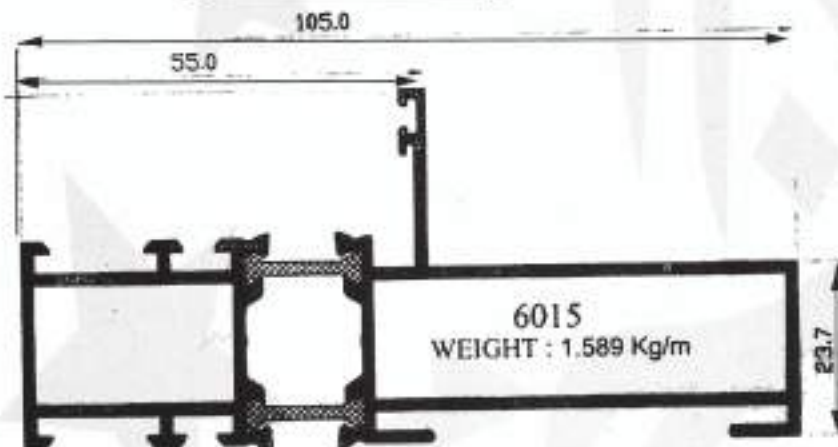
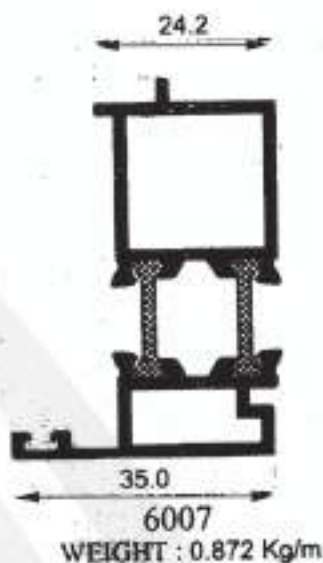
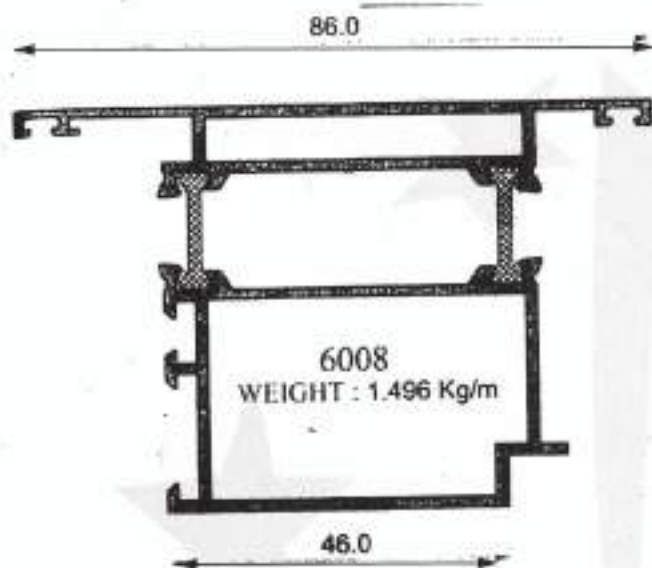


81531
WEIGHT : 0.335 Kg/m

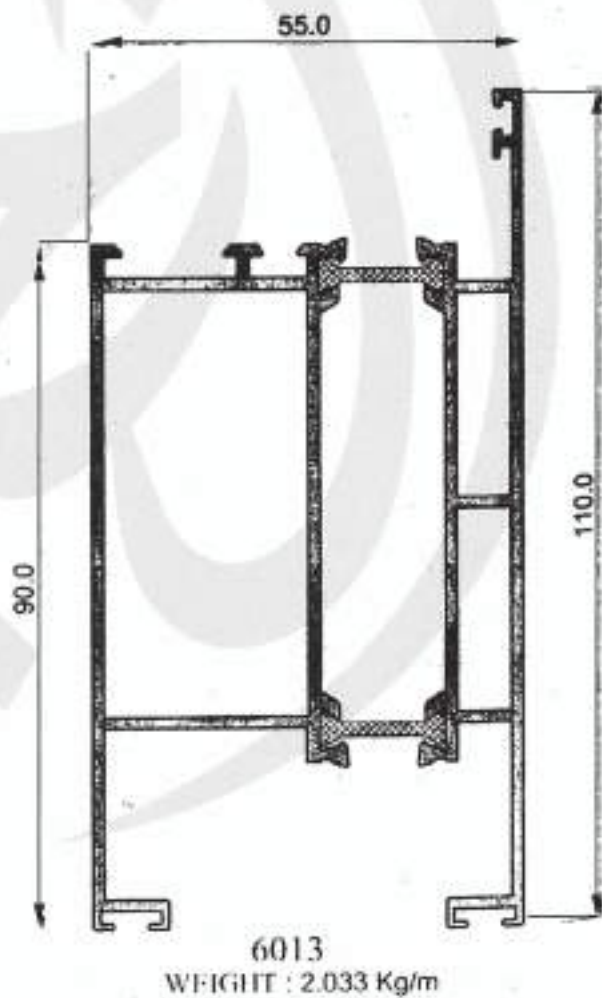
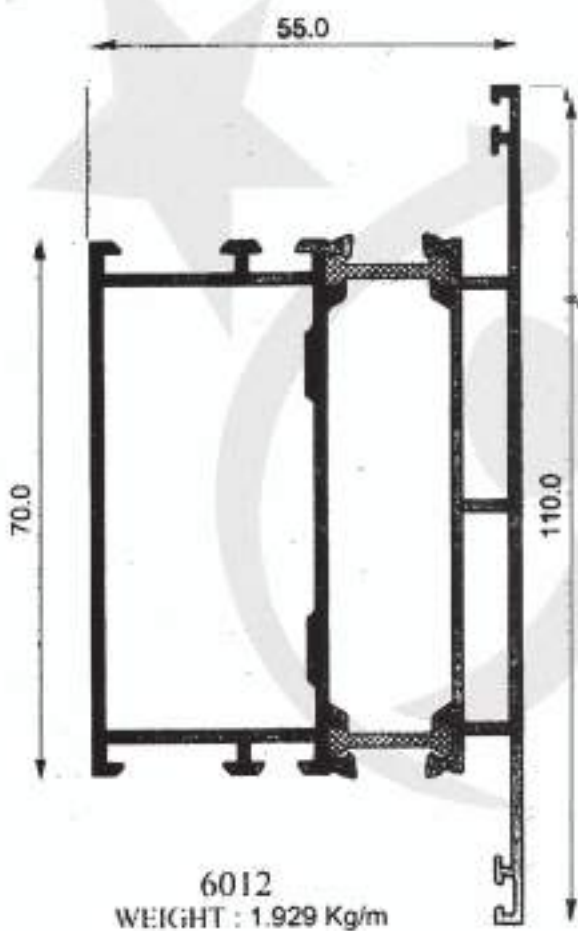
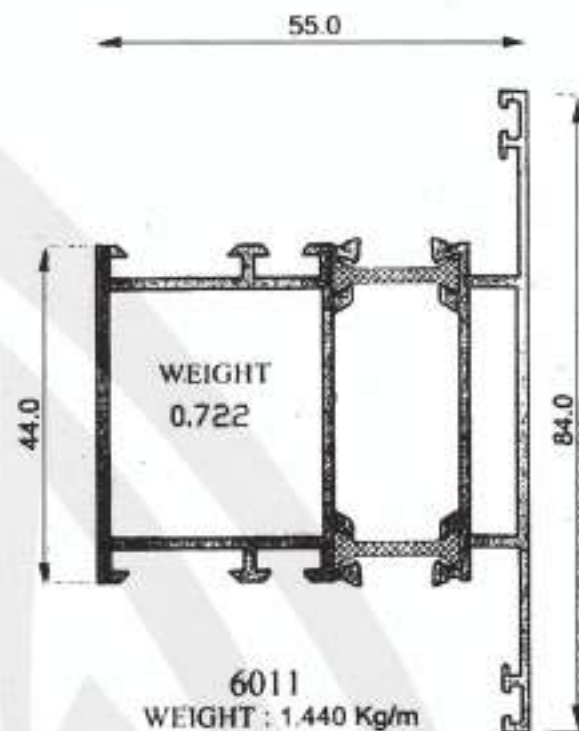
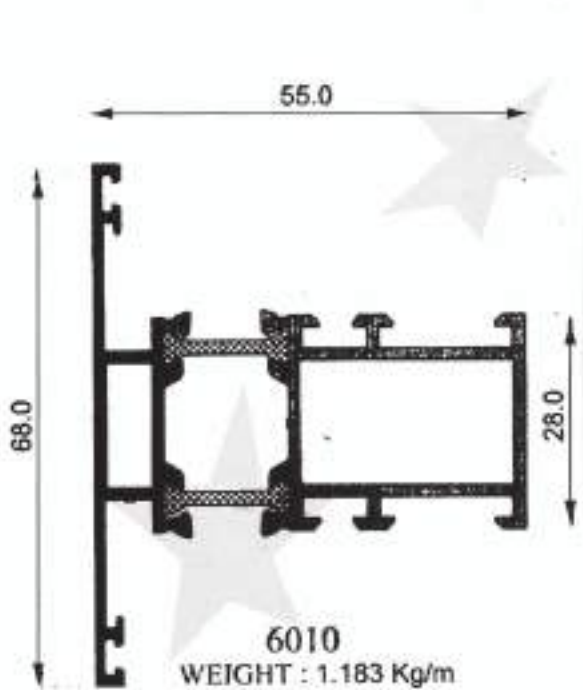


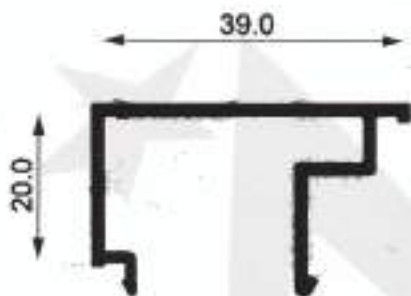
81521
WEIGHT : 2.976Kg/m



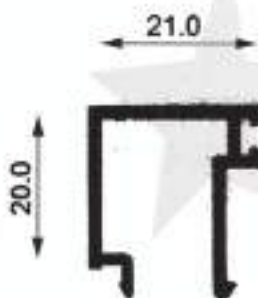


Arabian Thermal Break Svc.

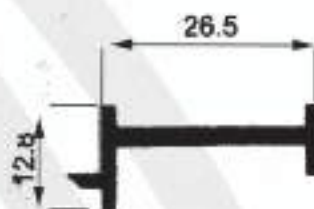




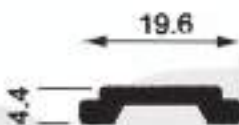
71602
WEIGHT : 0.354Kg/m



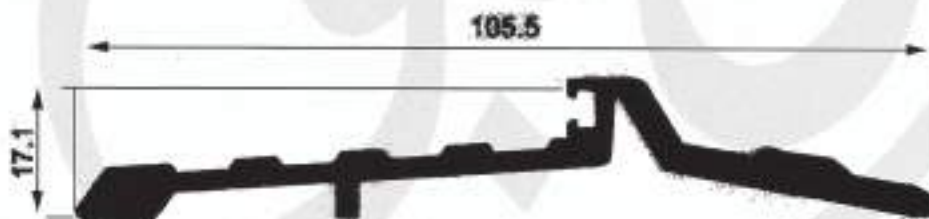
71601
WEIGHT : 0.275Kg/m



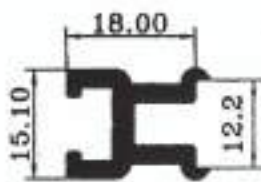
71603
WEIGHT : 0.221Kg/m



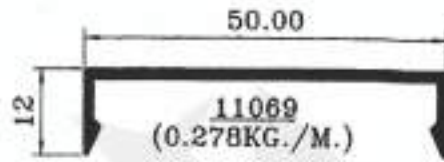
71604
WEIGHT : 0.142Kg/m



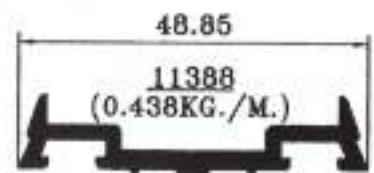
71605
WEIGHT : 1.139Kg/m



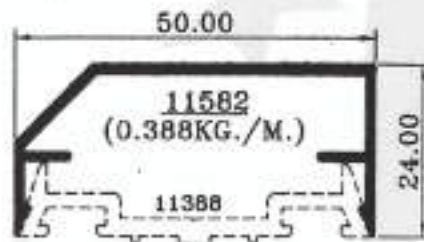
11472
(0.365KG./M.)



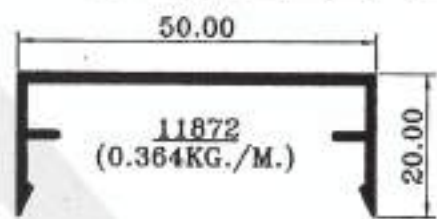
11069
(0.278KG./M.)



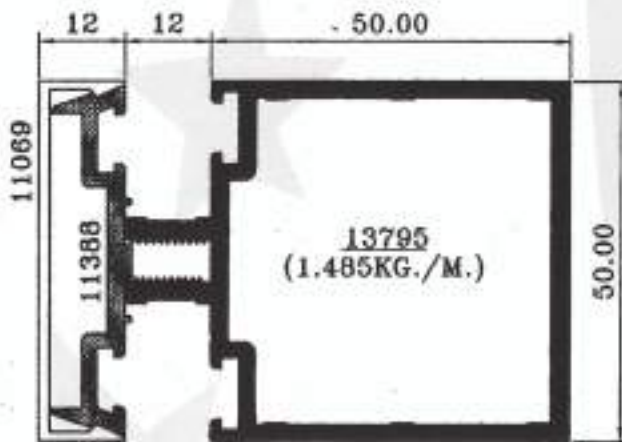
11388
(0.438KG./M.)



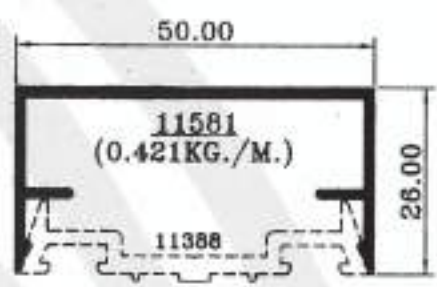
11582
(0.388KG./M.)



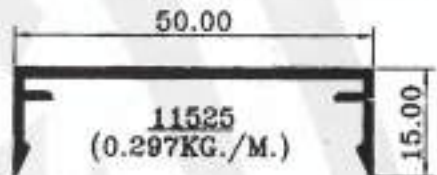
11872
(0.364KG./M.)



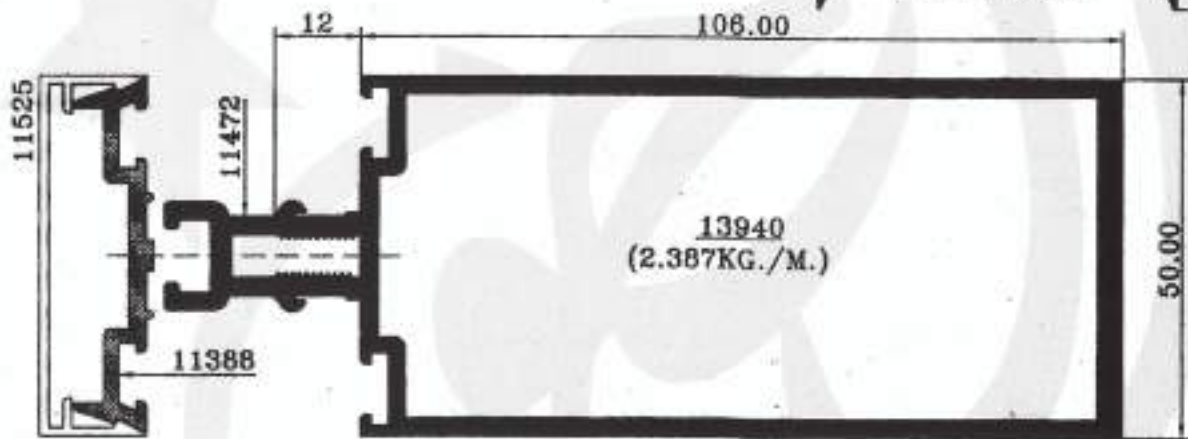
13795
(1.485KG./M.)



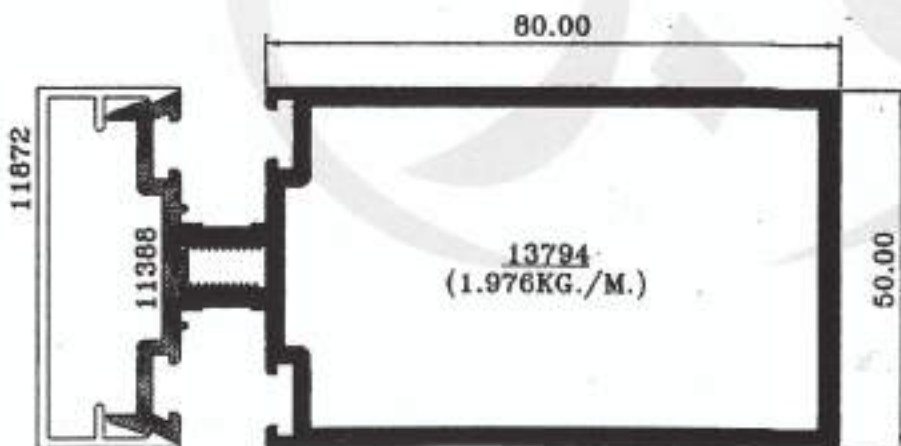
11581
(0.421KG./M.)



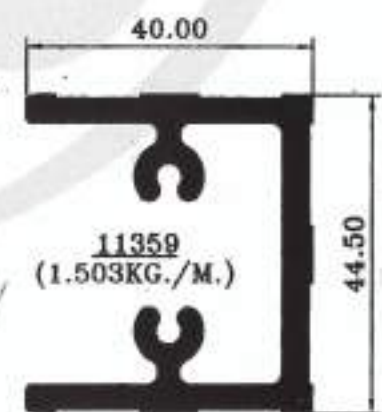
11525
(0.297KG./M.)



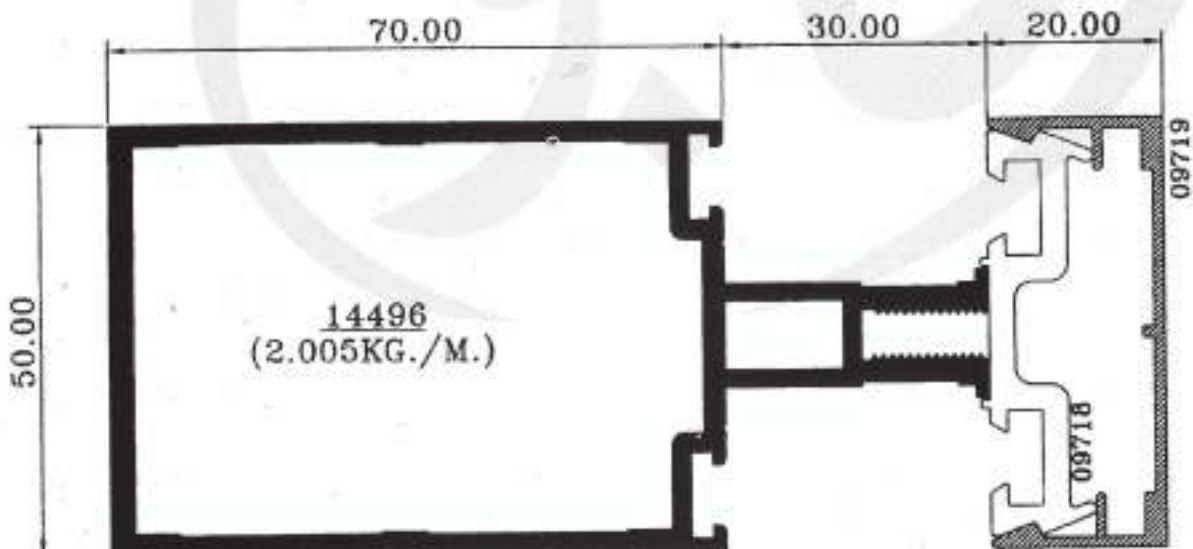
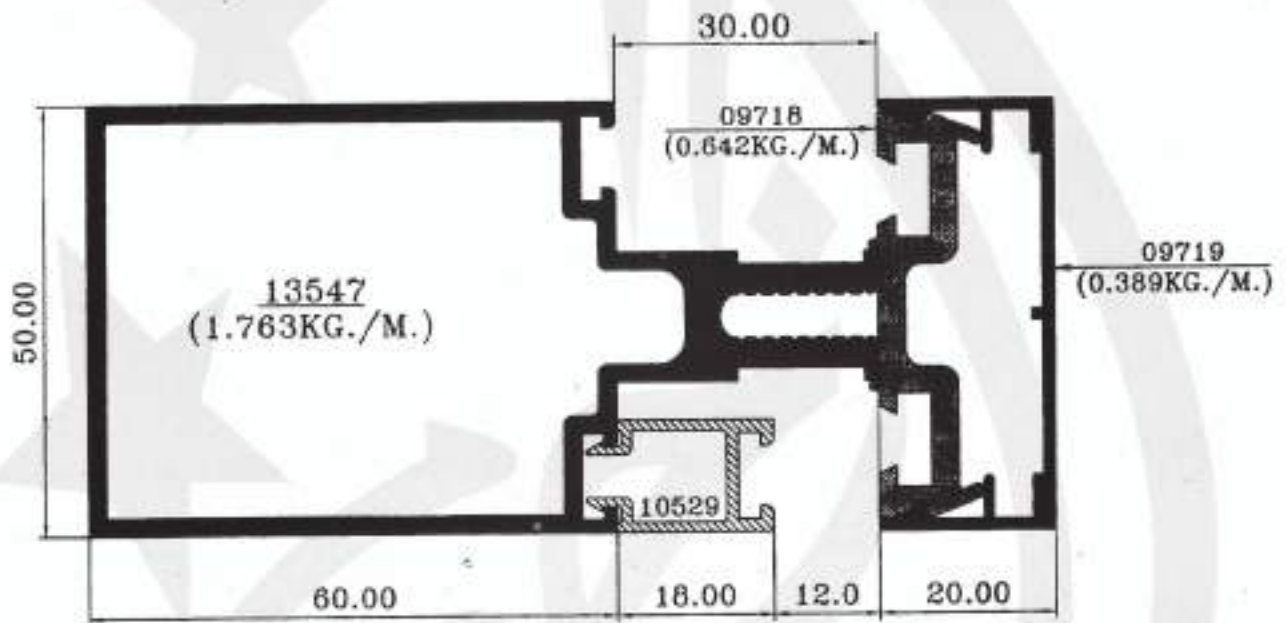
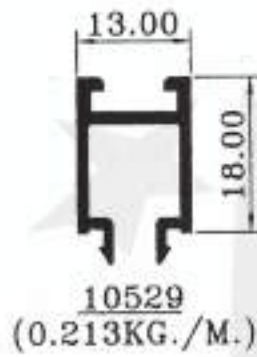
13940
(2.387KG./M.)

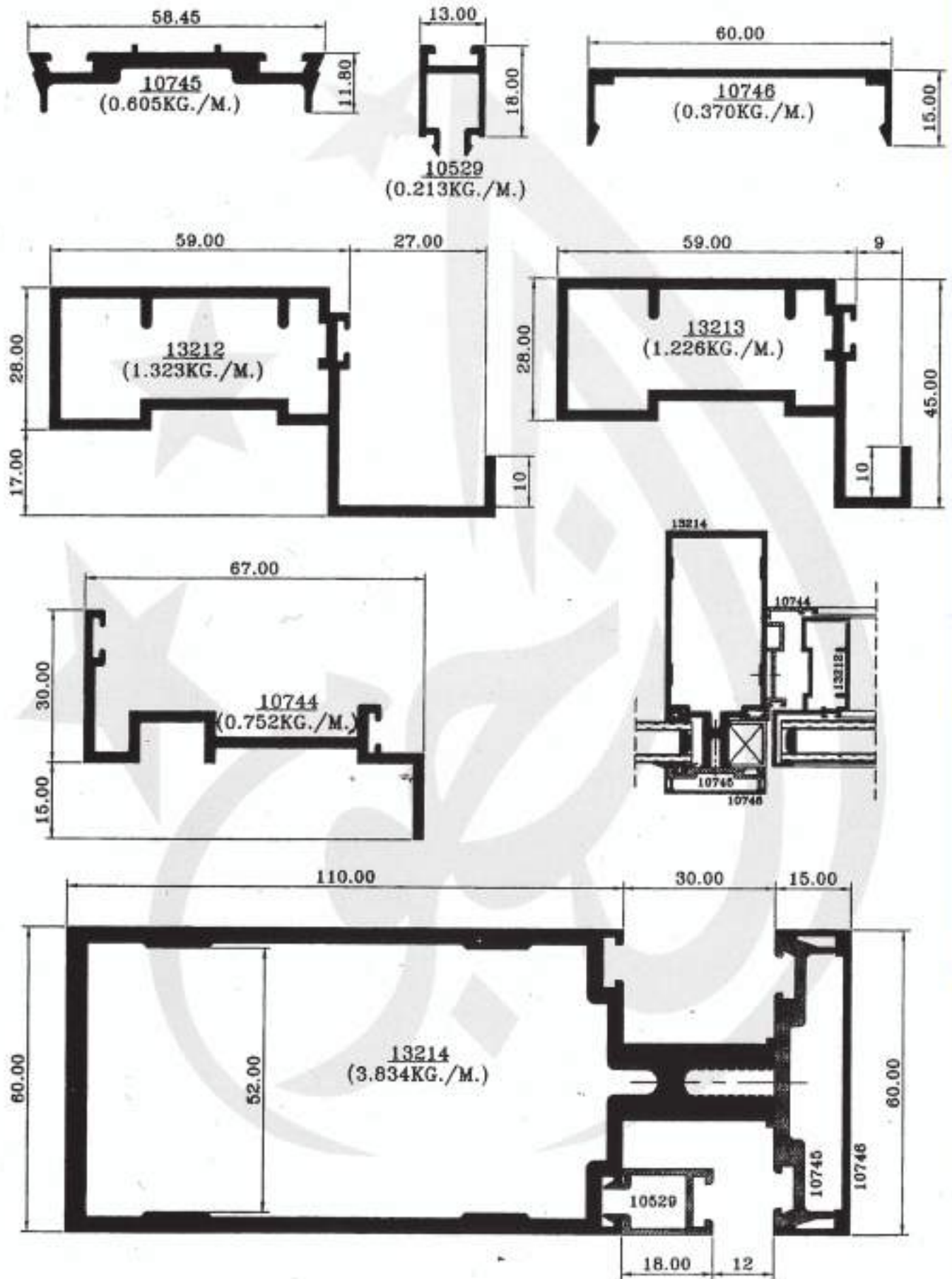


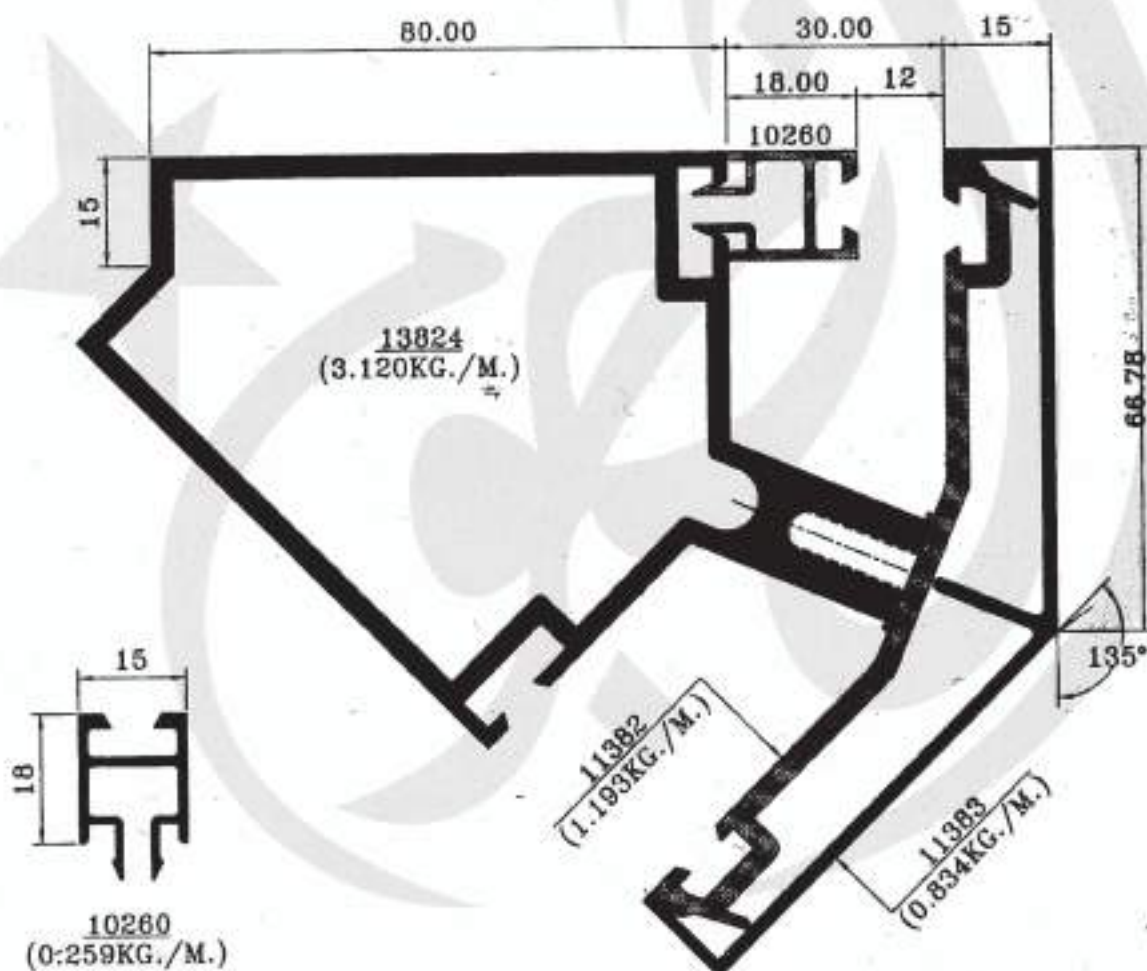
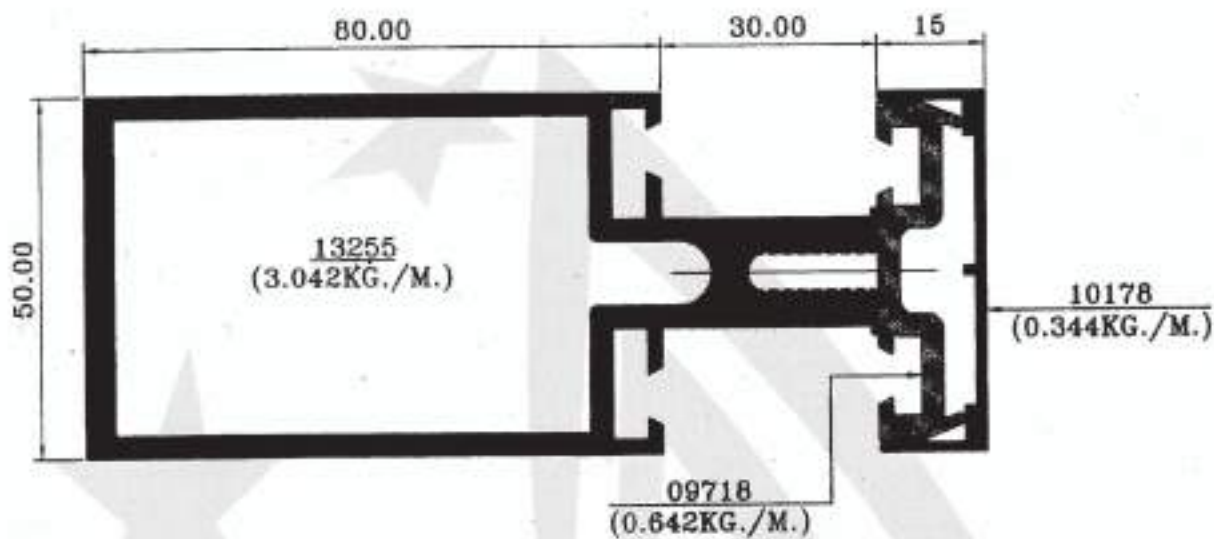
13794
(1.976KG./M.)



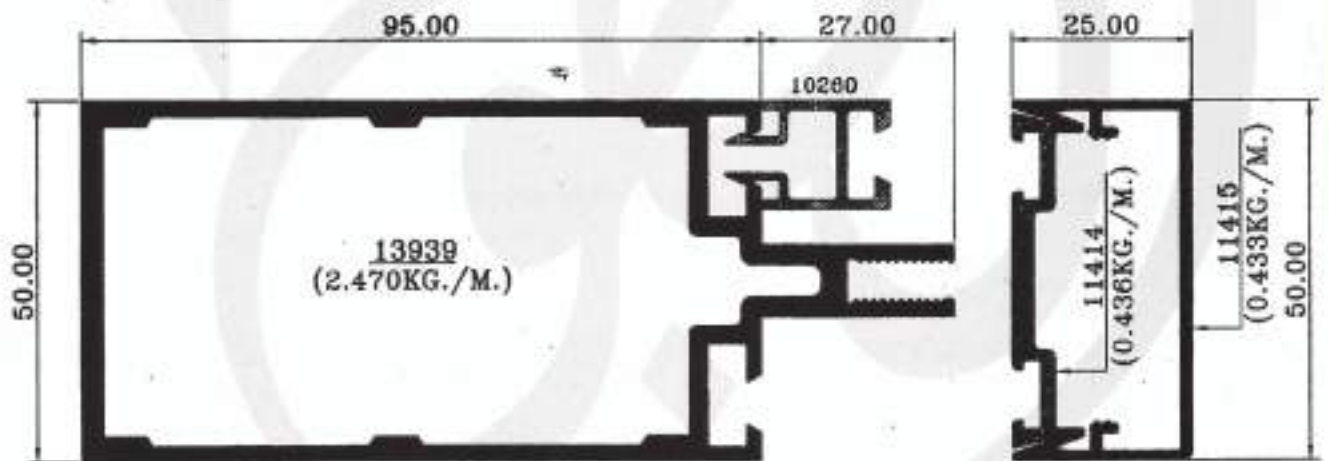
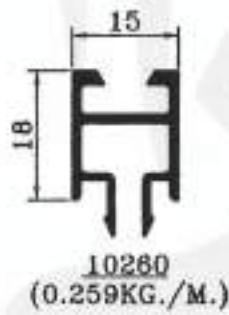
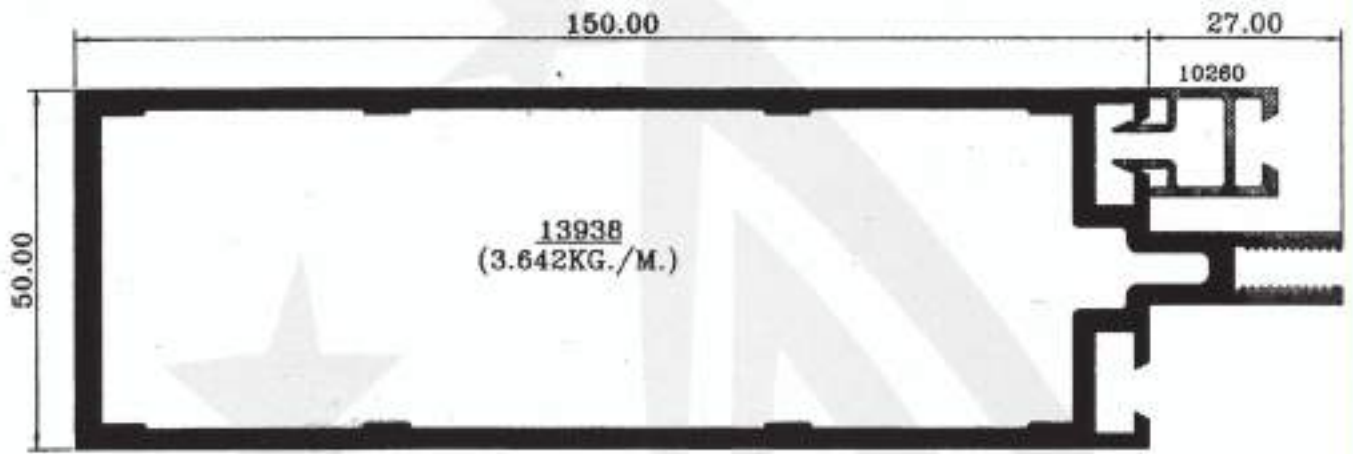
11359
(1.503KG./M.)

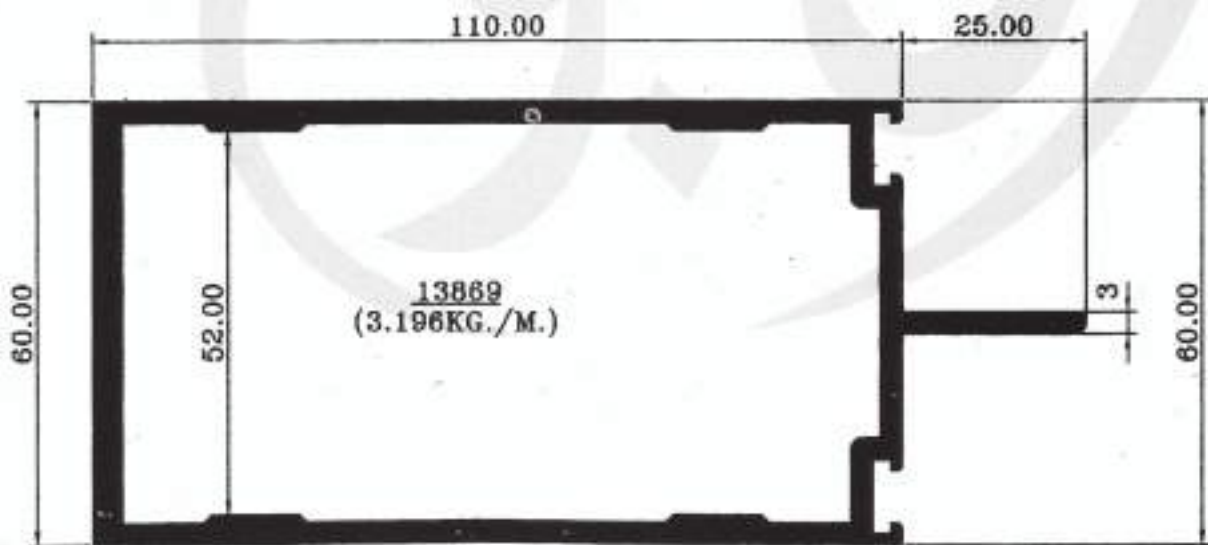
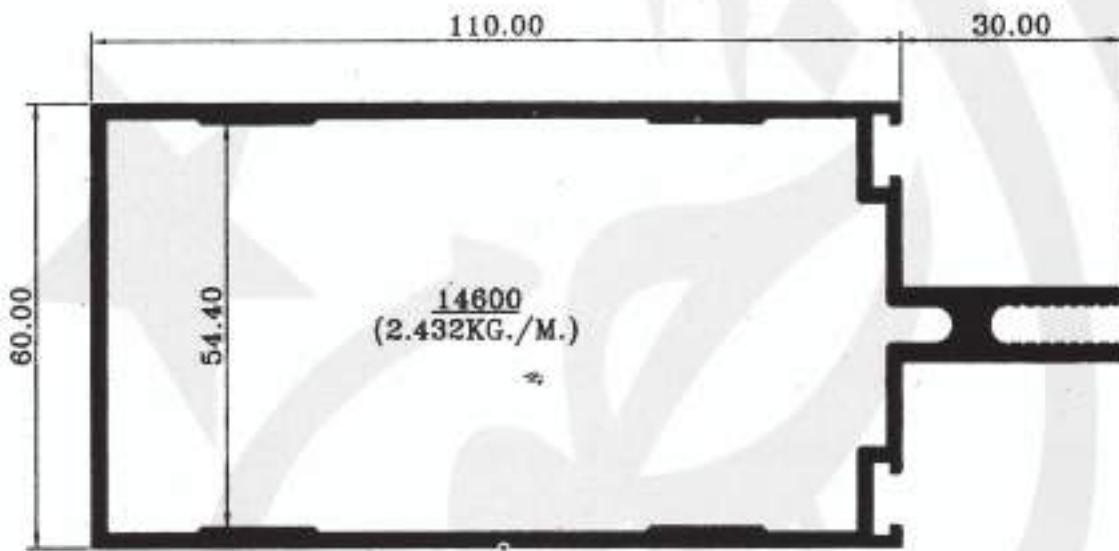
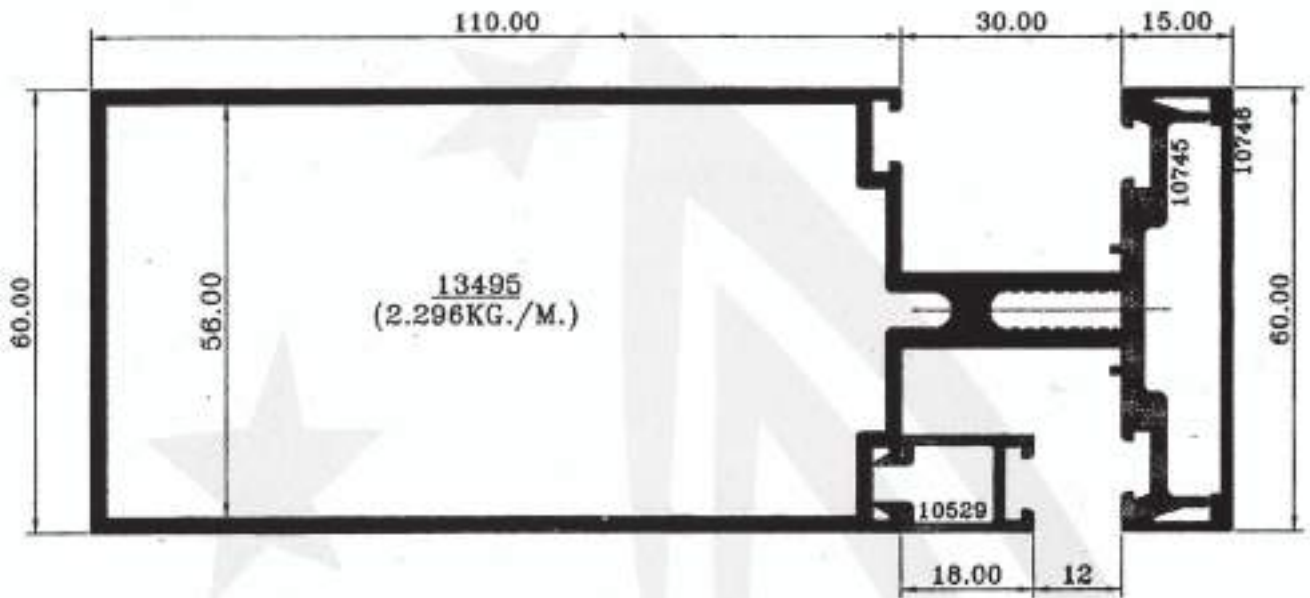


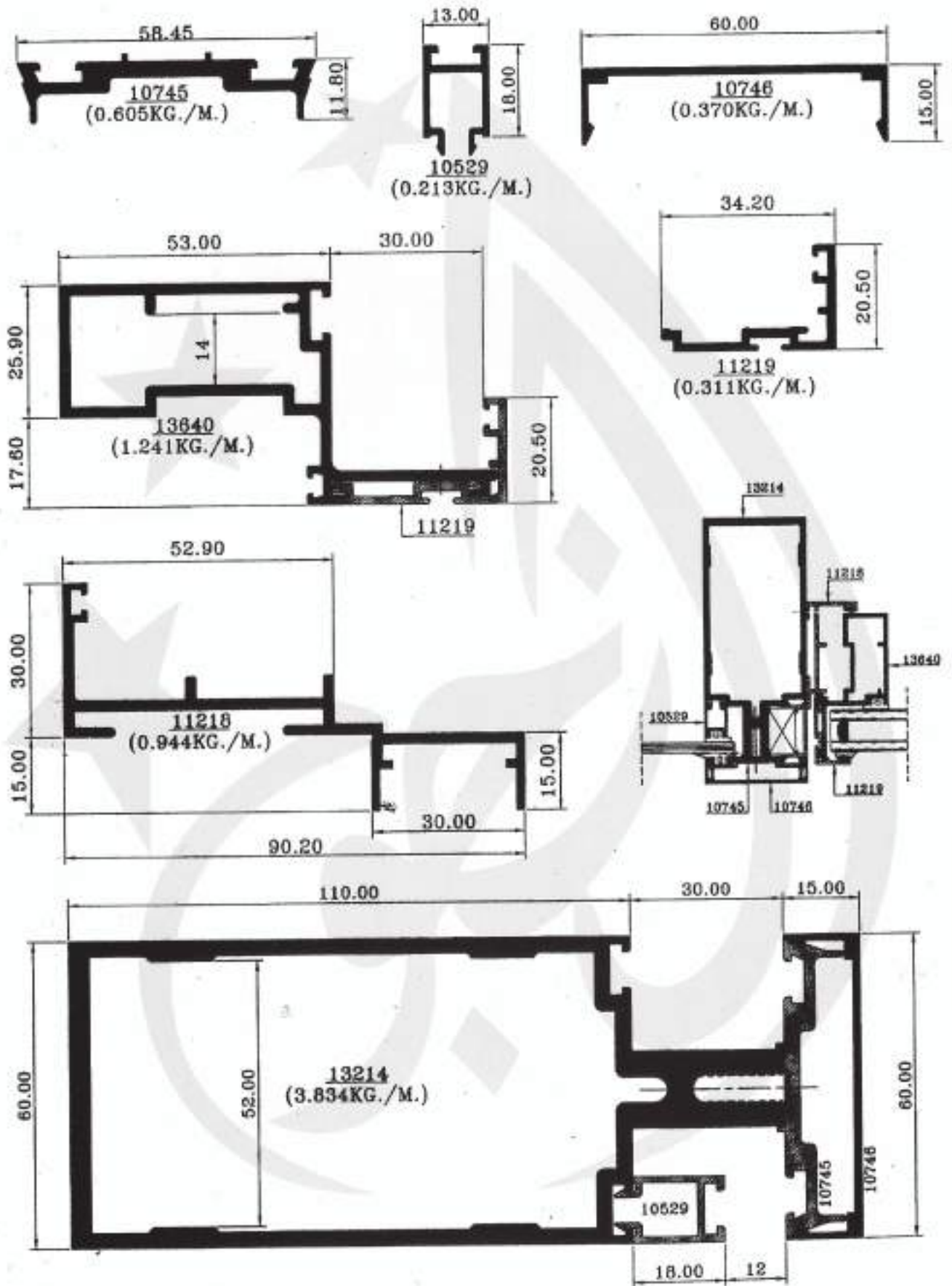


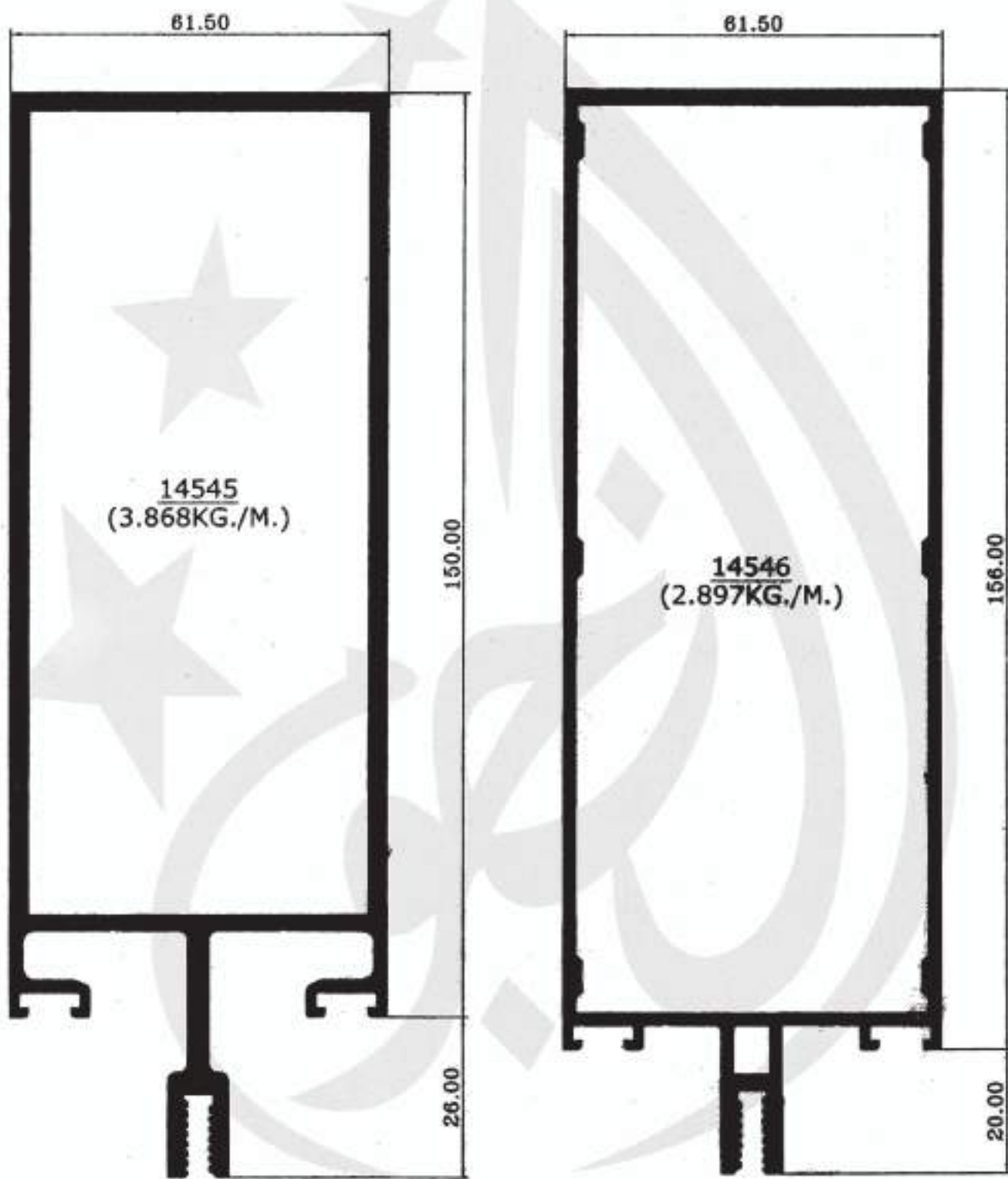


Curtain Wall Section

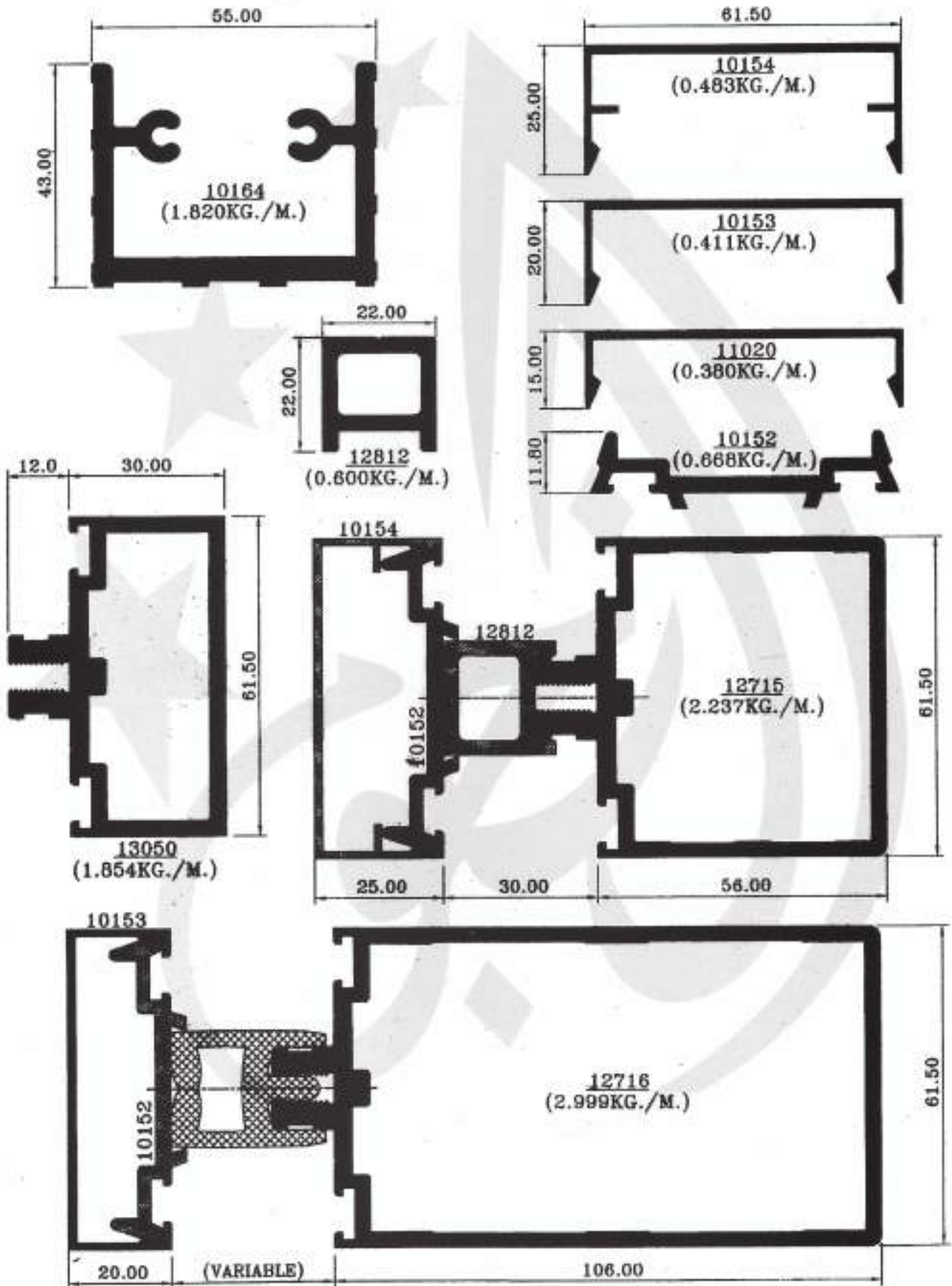


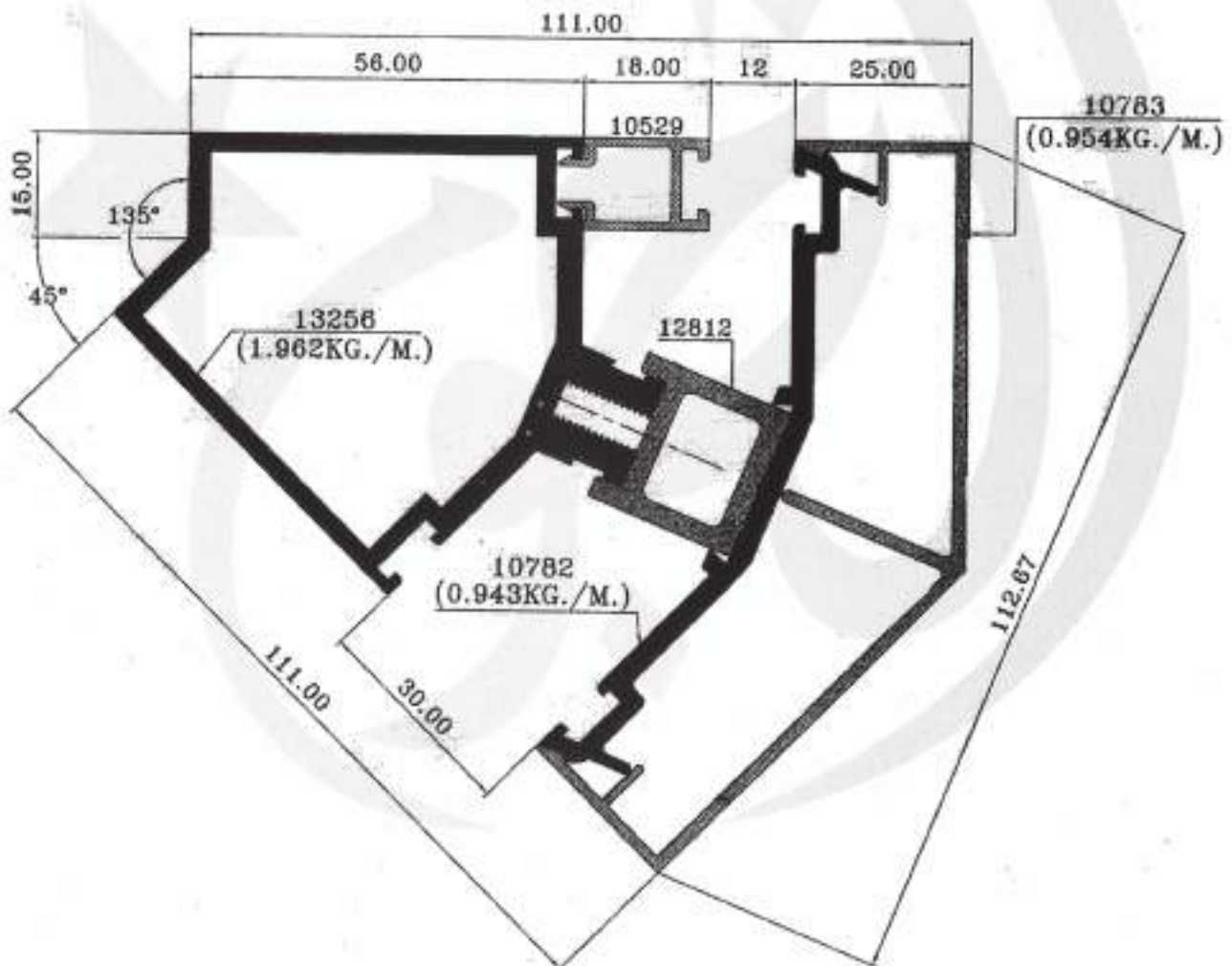
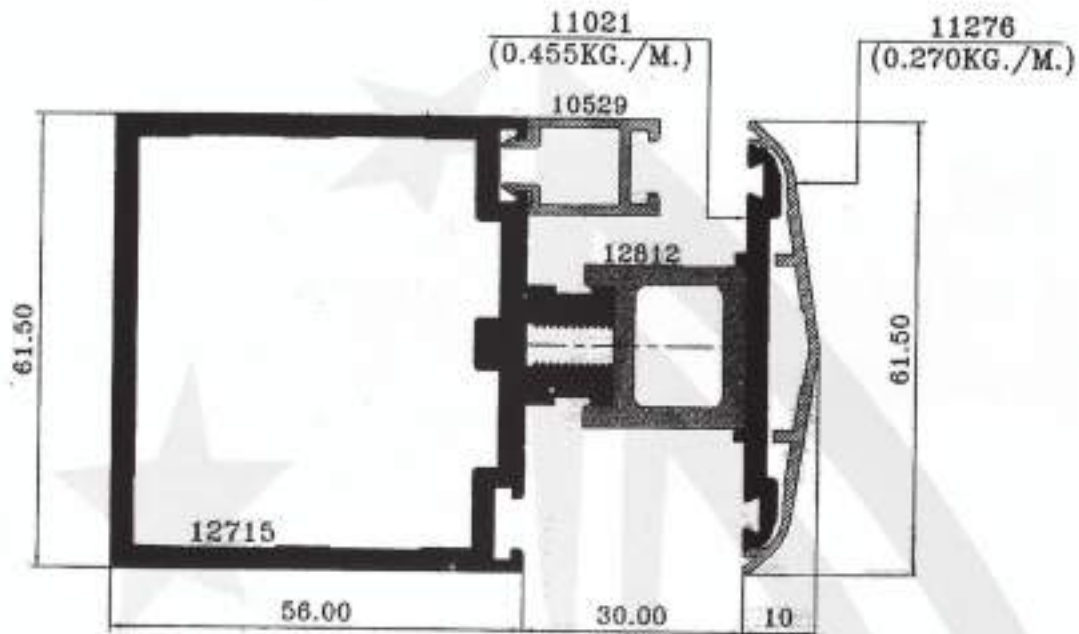


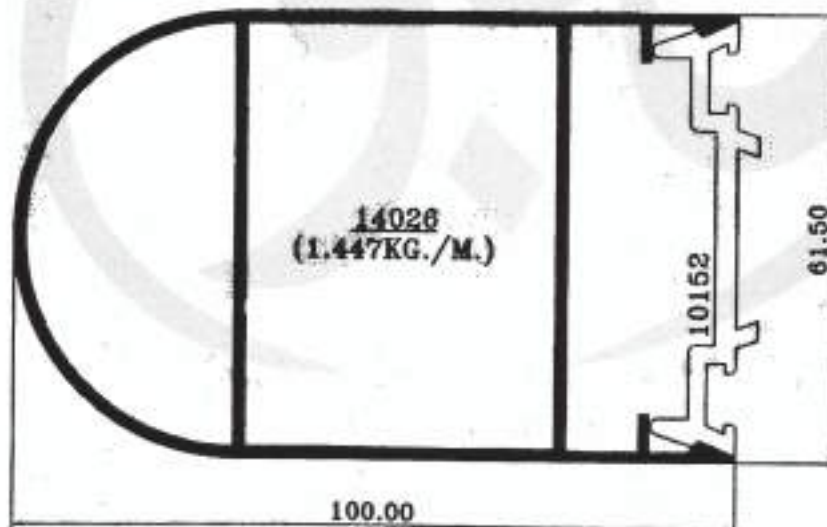
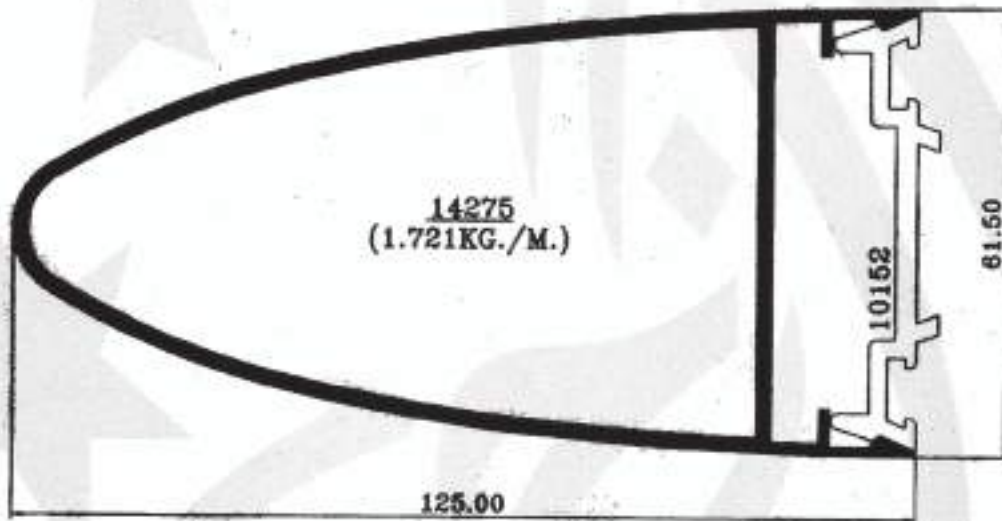
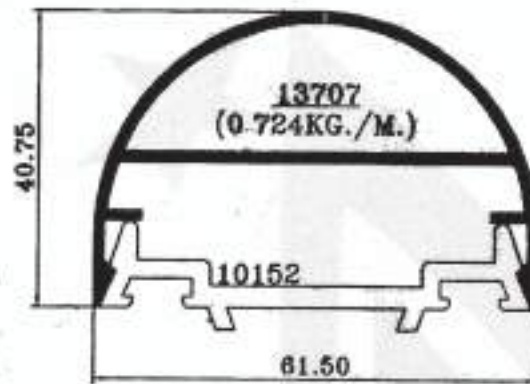


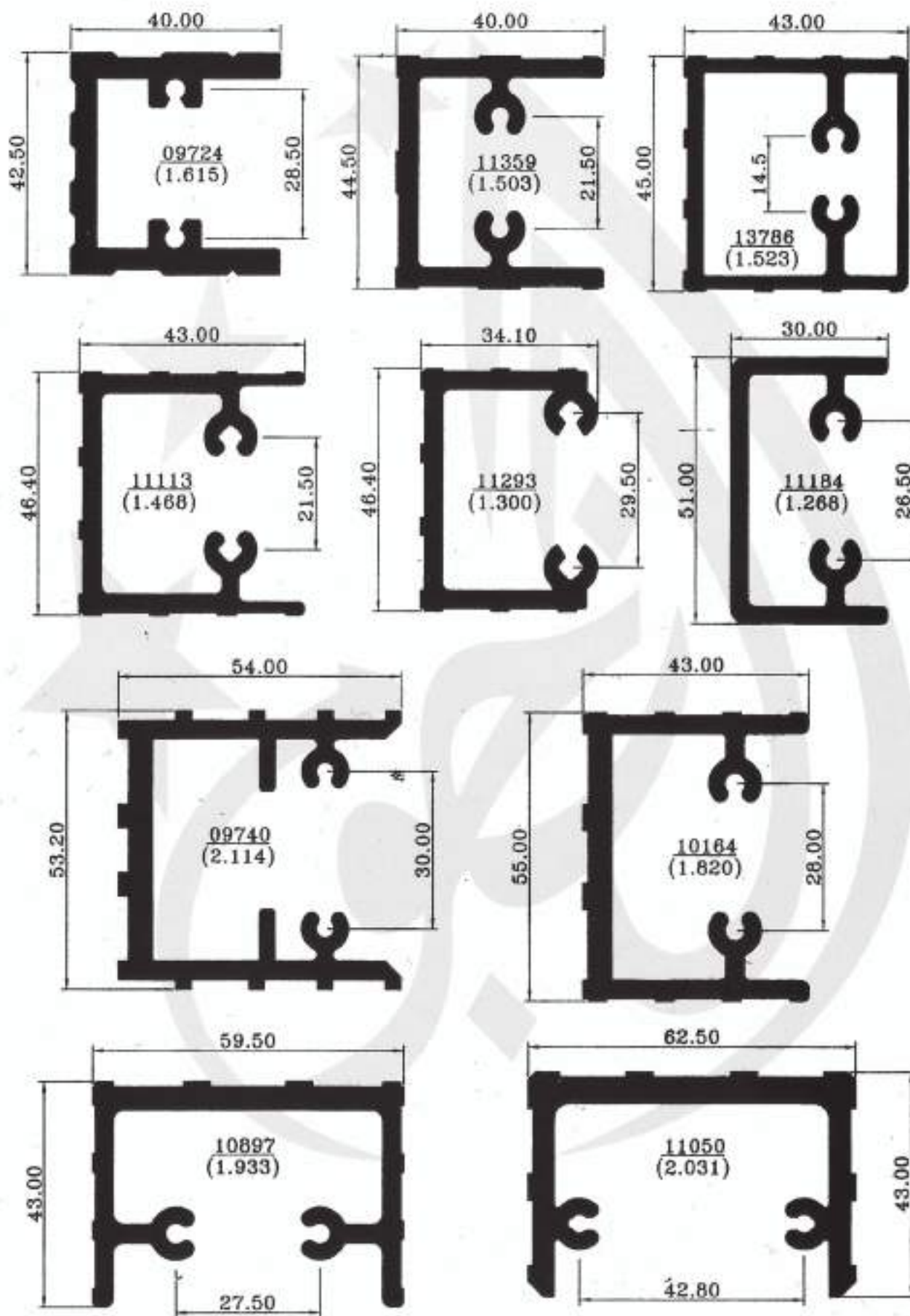


Curtain Wall
Section



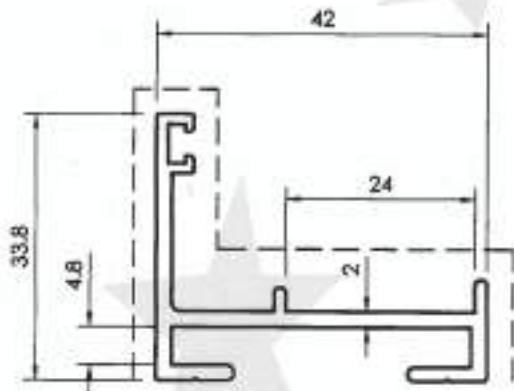




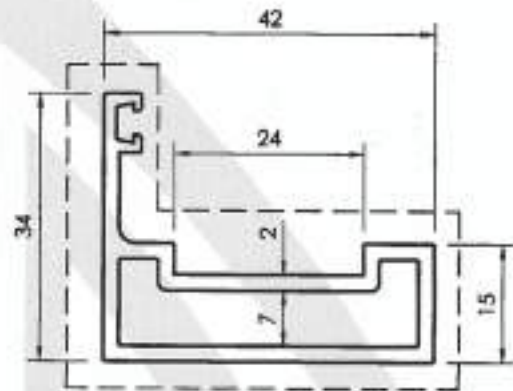


Curtain Wall Section

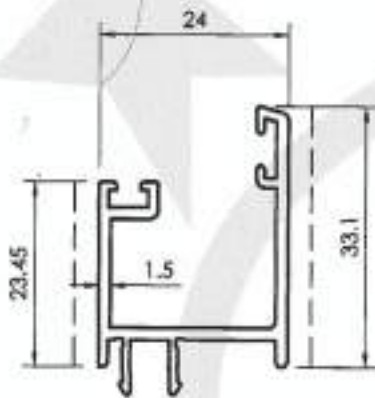
Mullion / Transom Profiles



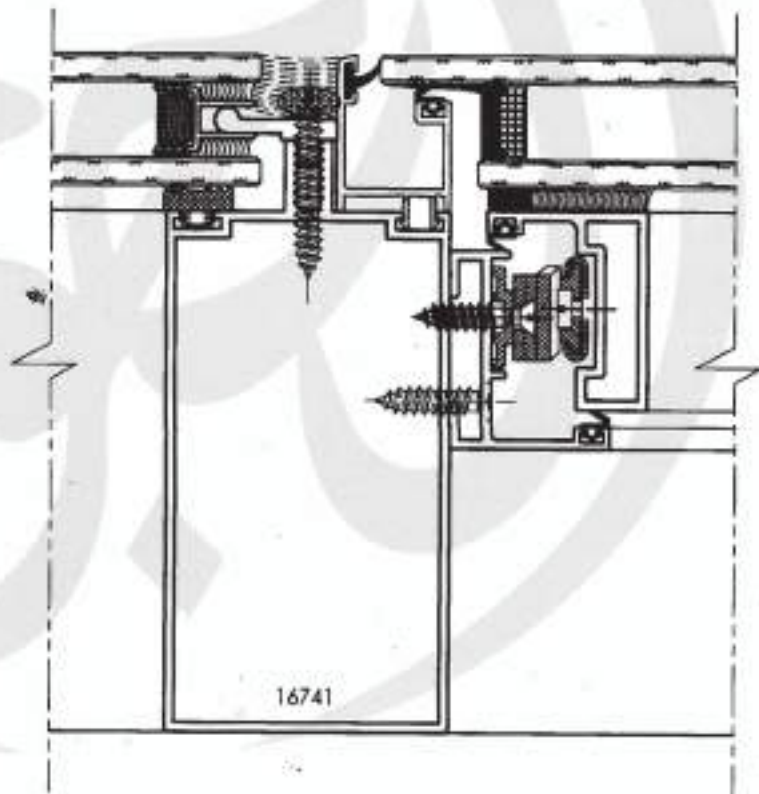
22405
(0.560 kg/m)
CURTAIN WALL
FRAME PROFILE



15907
(0.740 kg/m)
CURTAIN WALL
SASH PROFILE

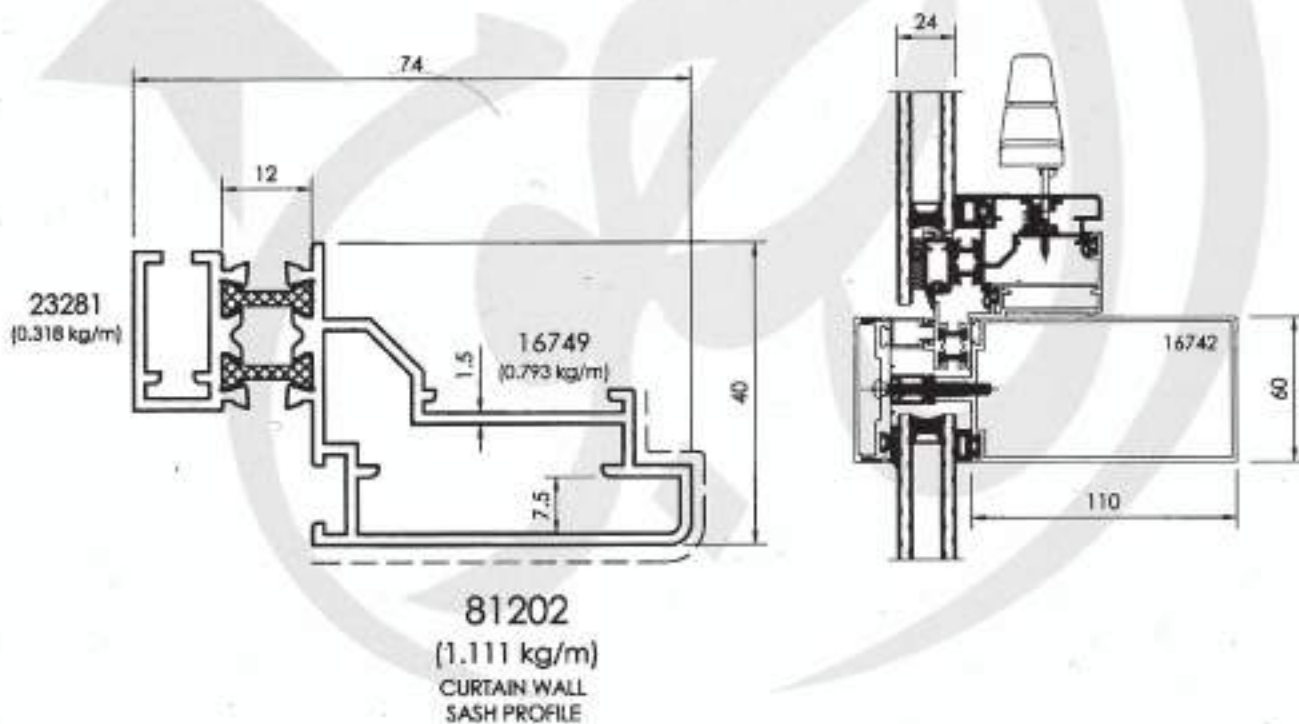
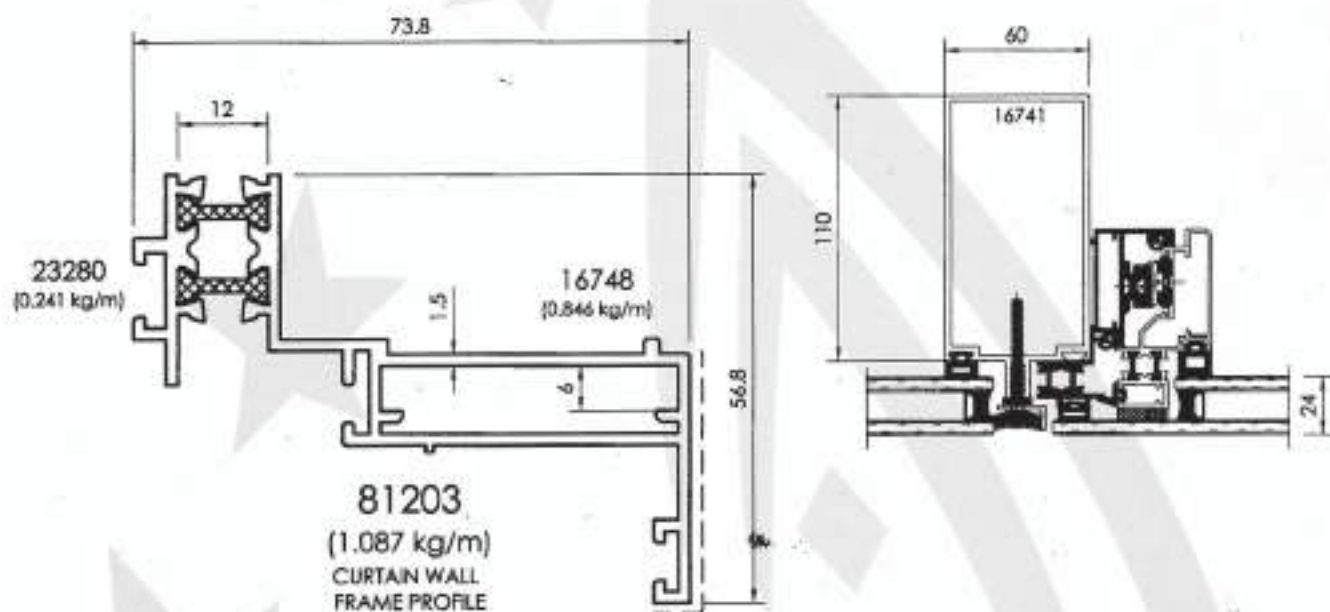


24373
(0.407 kg/m)
GLAZING CLIP



All dimensions in mm
Visible area -----

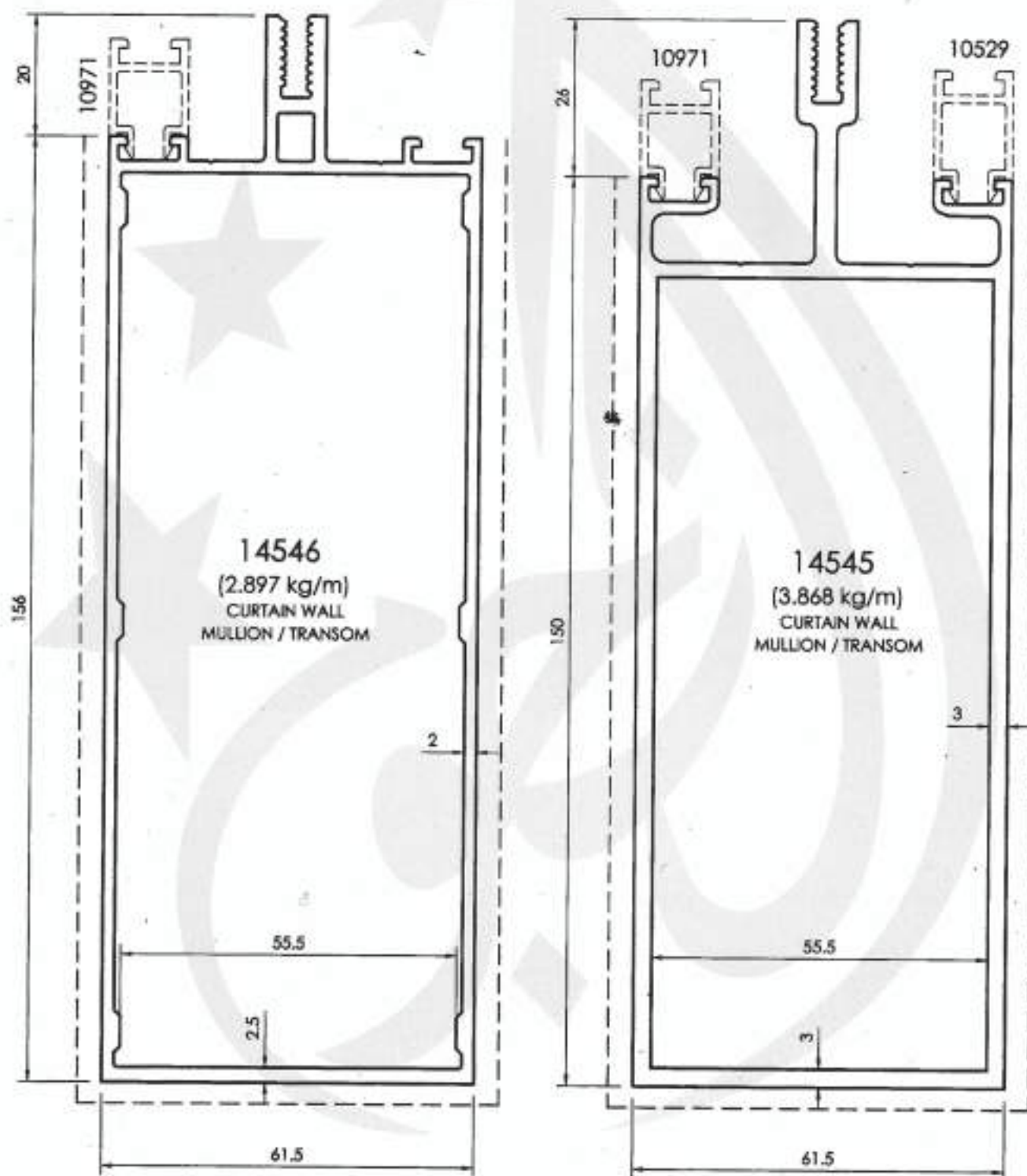
Mullion / Transom Profiles



All dimensions in mm
----- Visible area



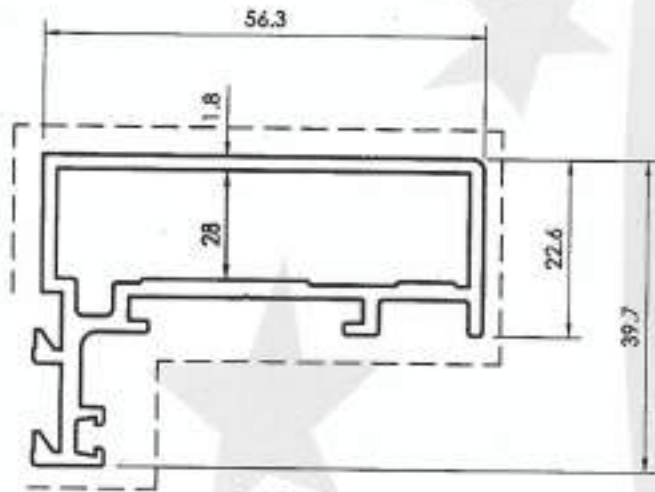
Mullion / Transom Profiles



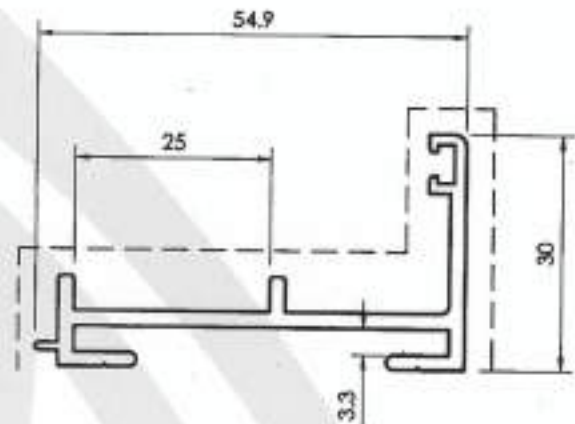
All dimensions in mm
 - - - - - Visible area



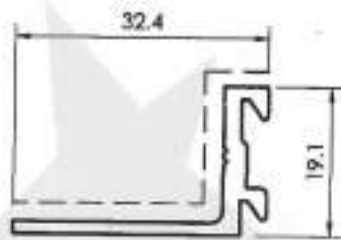
Curtain Wall Profiles



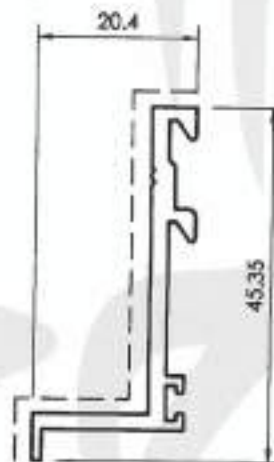
14079
(1.036 kg/m)
SASH PROFILE



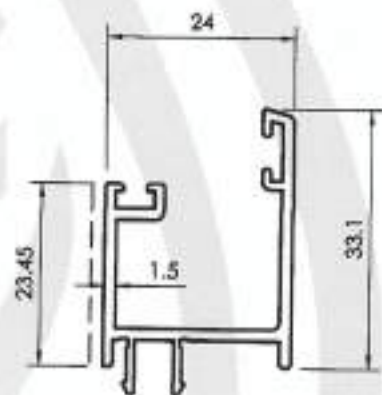
11619
(0.606 kg/m)
FRAME PROFILE



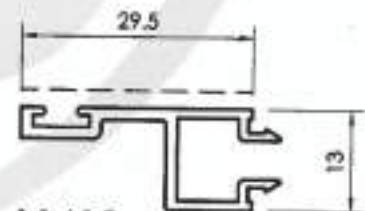
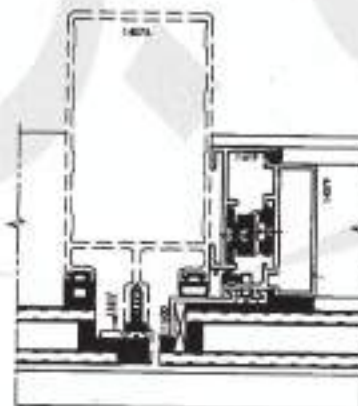
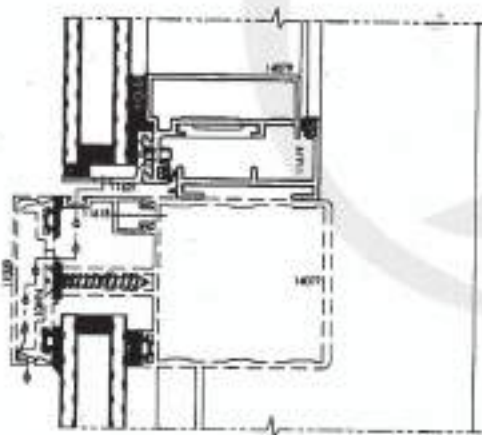
11621
(0.288 kg/m)
GLASS HOLDER



11620
(0.426 kg/m)
GLASS HOLDER



24373
(0.407 kg/m)
GLAZING CLIP

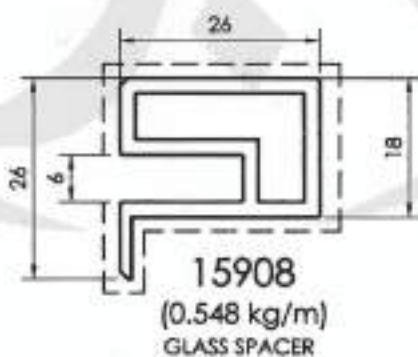
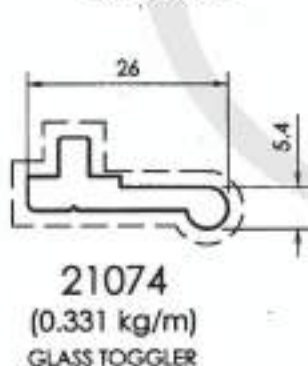
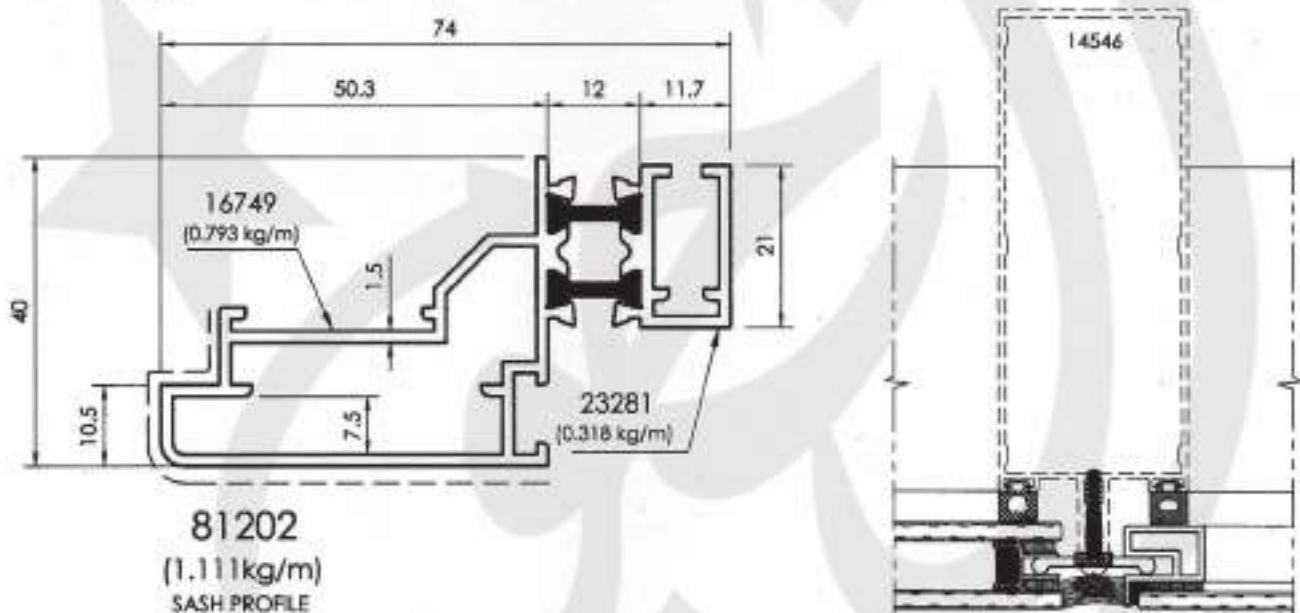
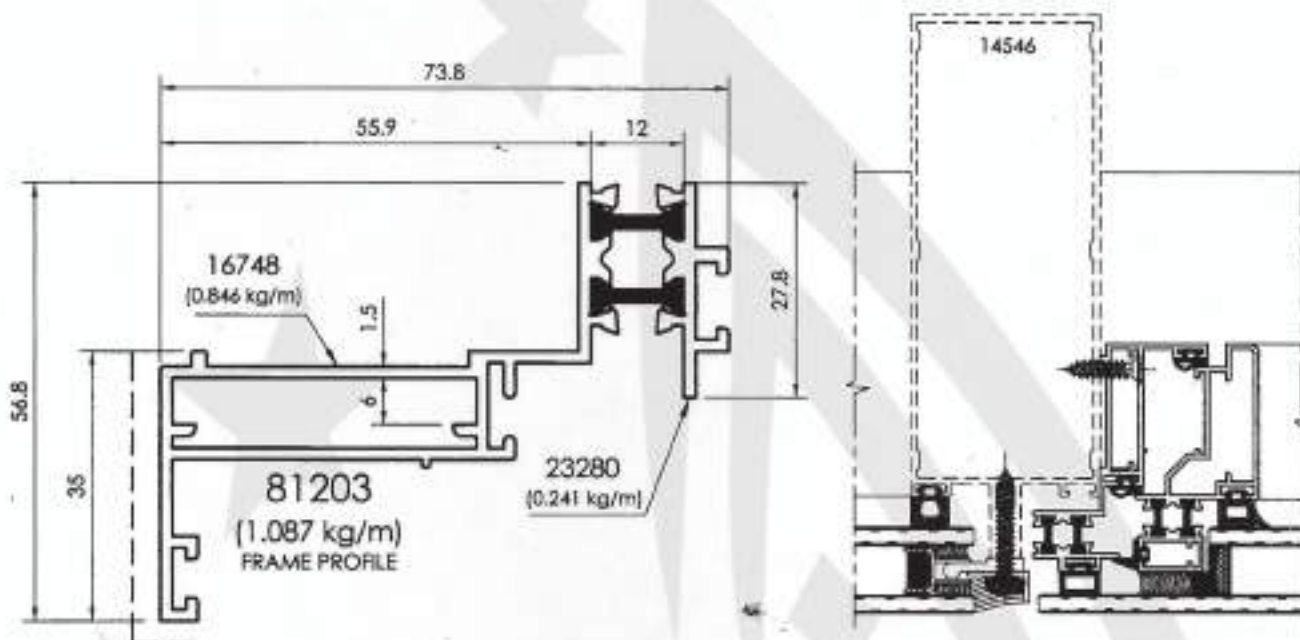


11618
(0.257 kg/m)
ADAPTOR

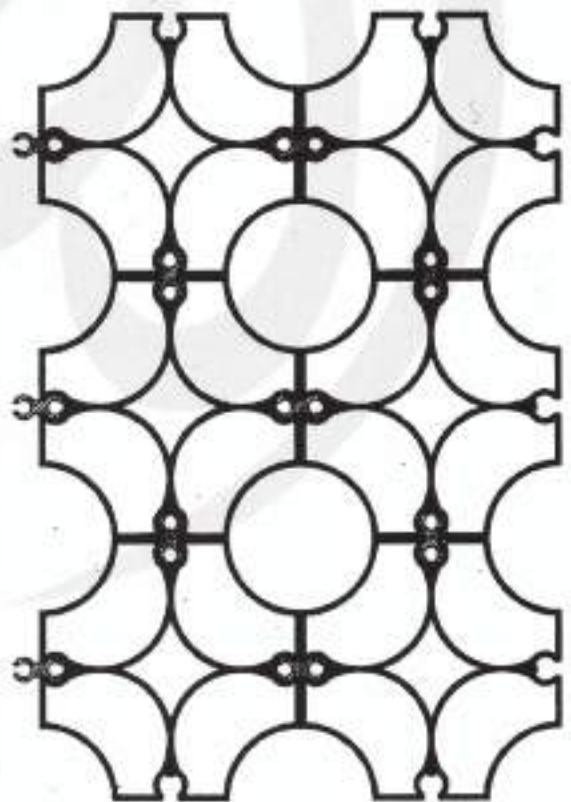
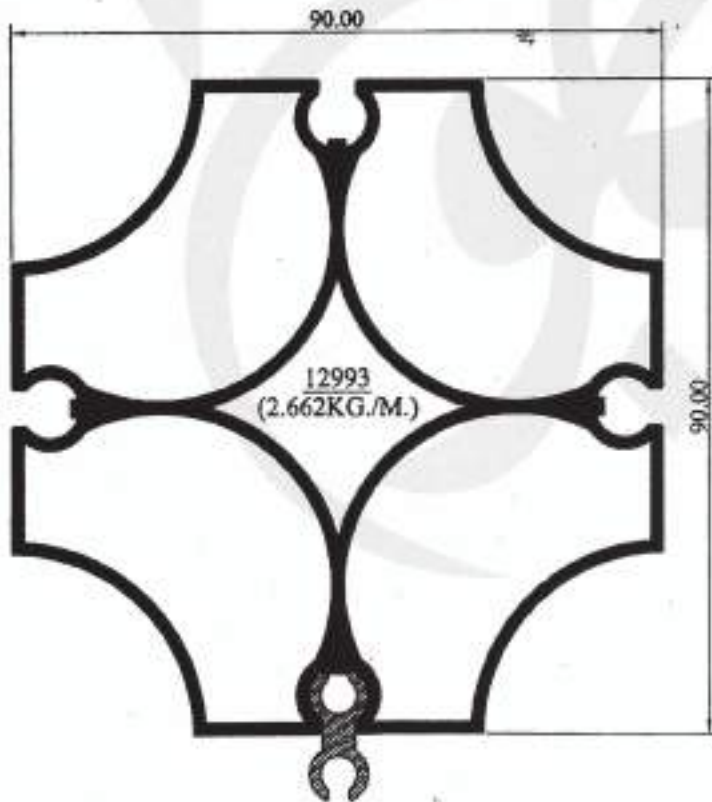
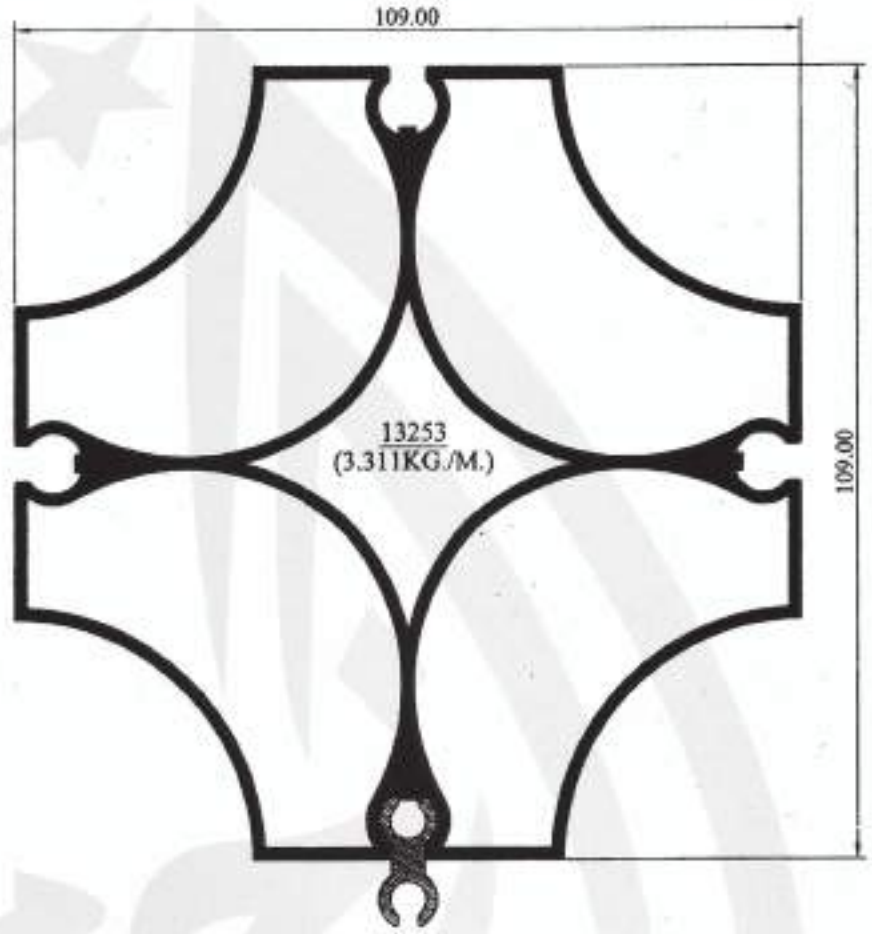
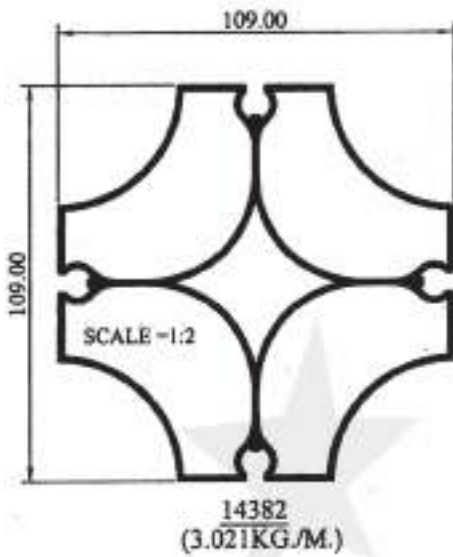
All dimensions in mm
Visible area, - - - -

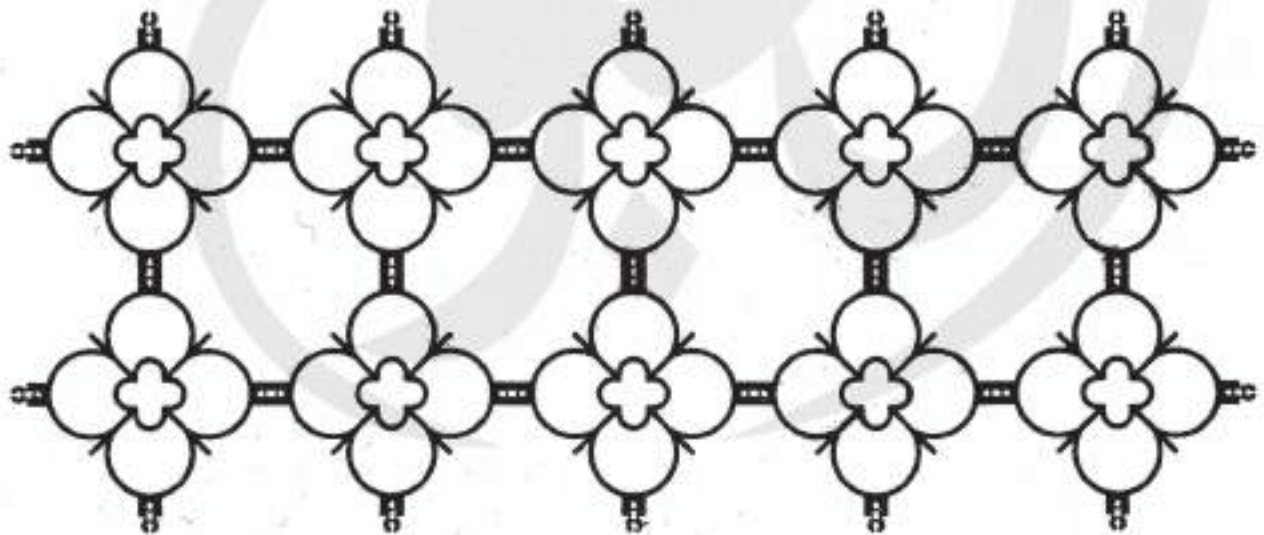
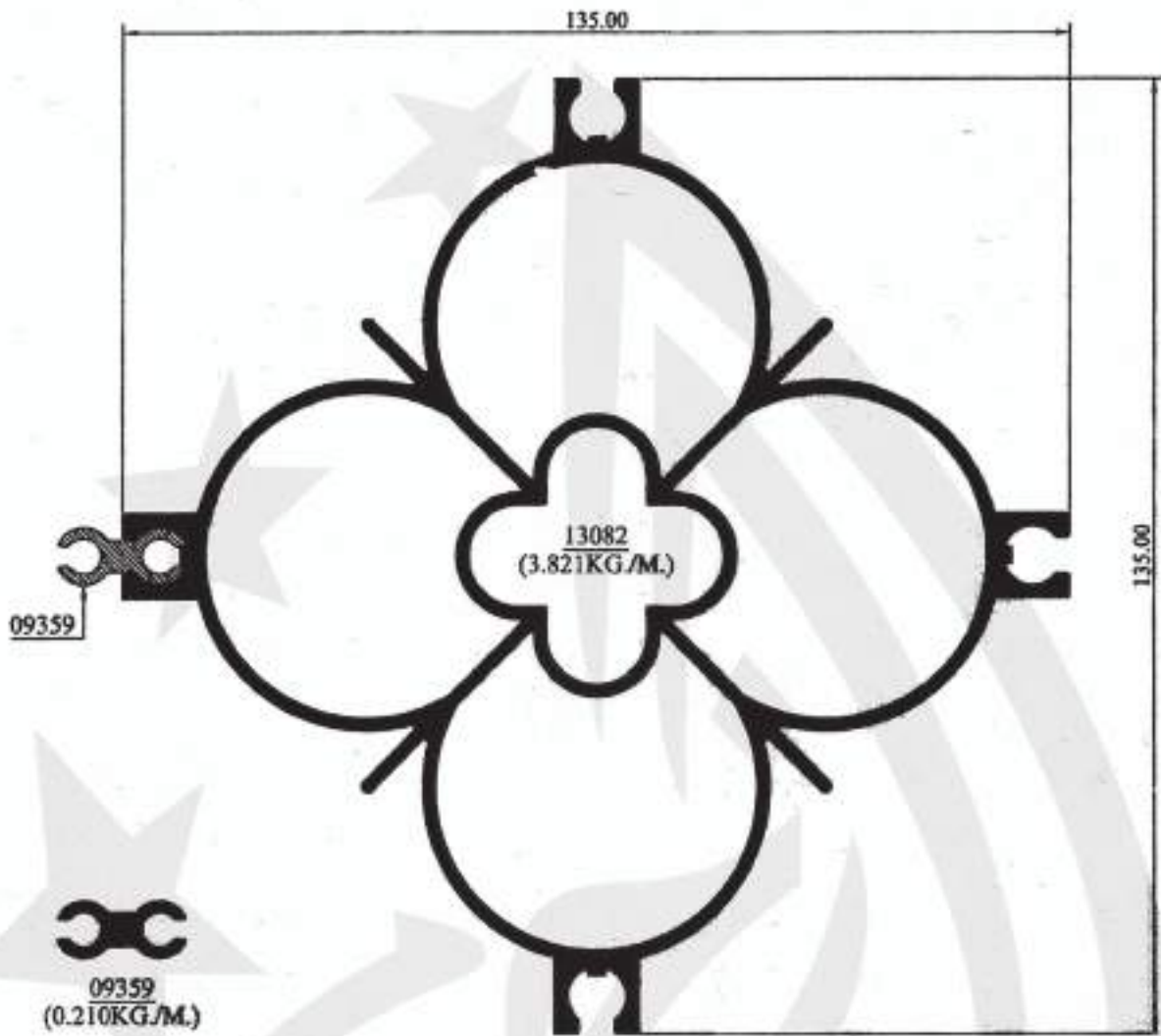


Curtain Wall Profiles

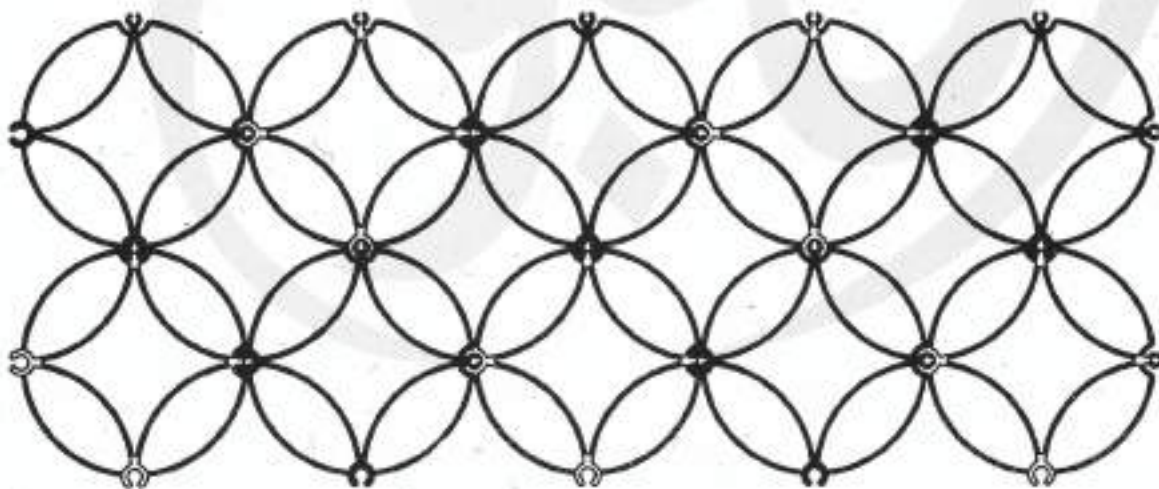
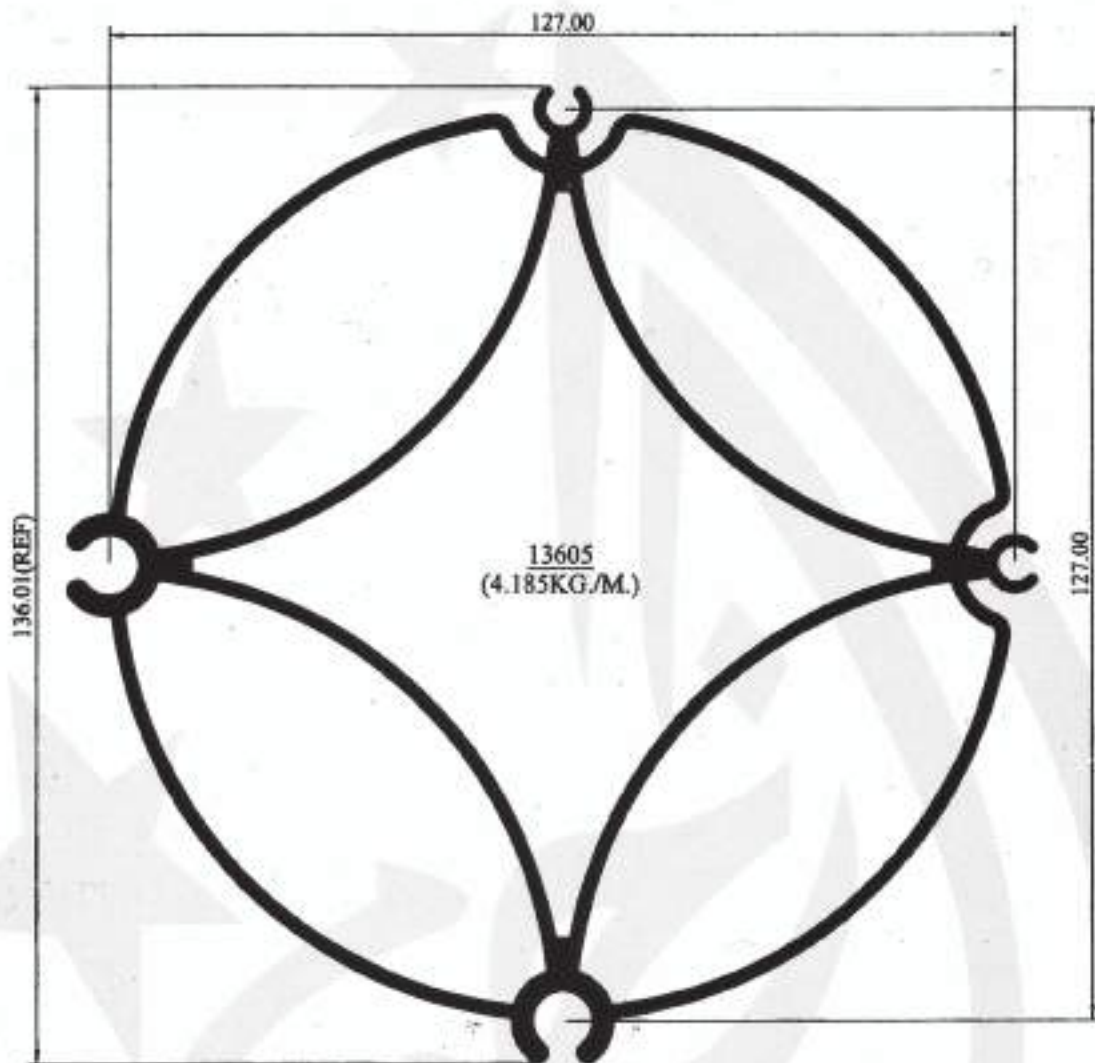


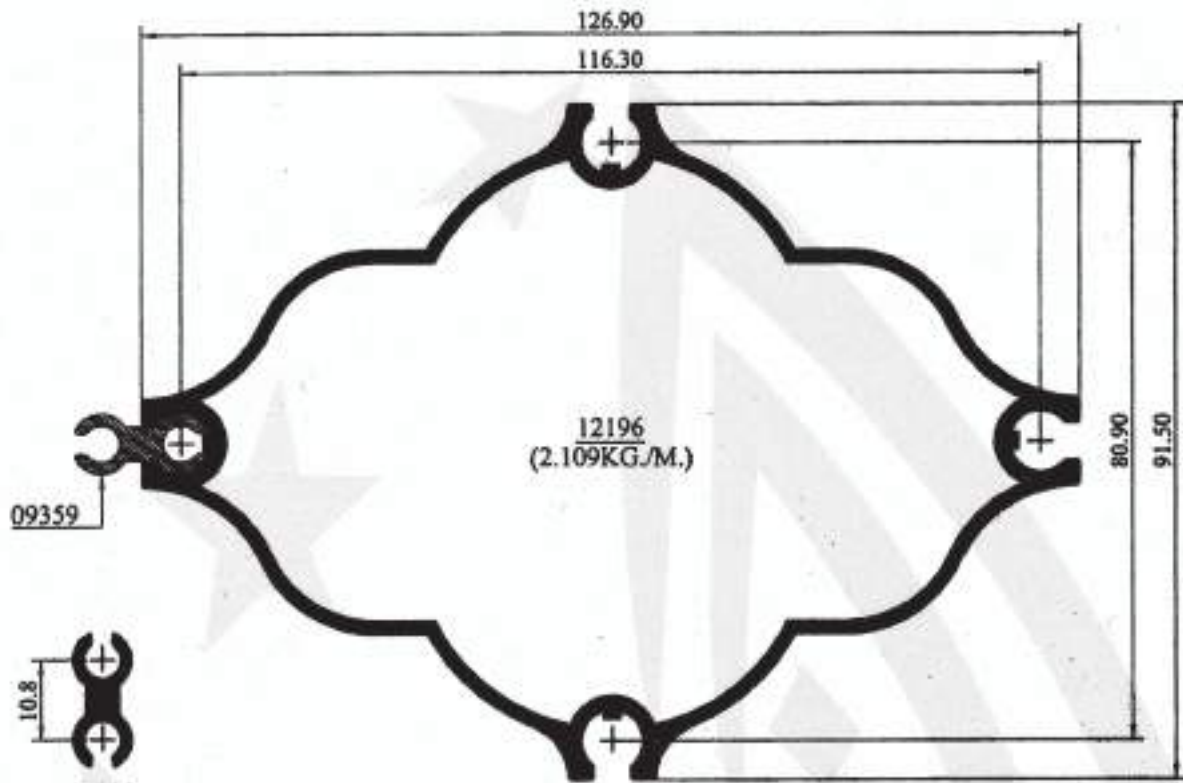
All dimensions in mm
----- Visible area



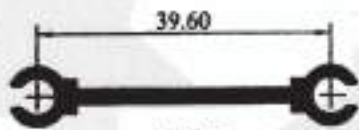


ASSEMBLY OF PROFILES
13082 & 09359

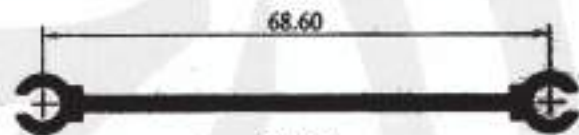




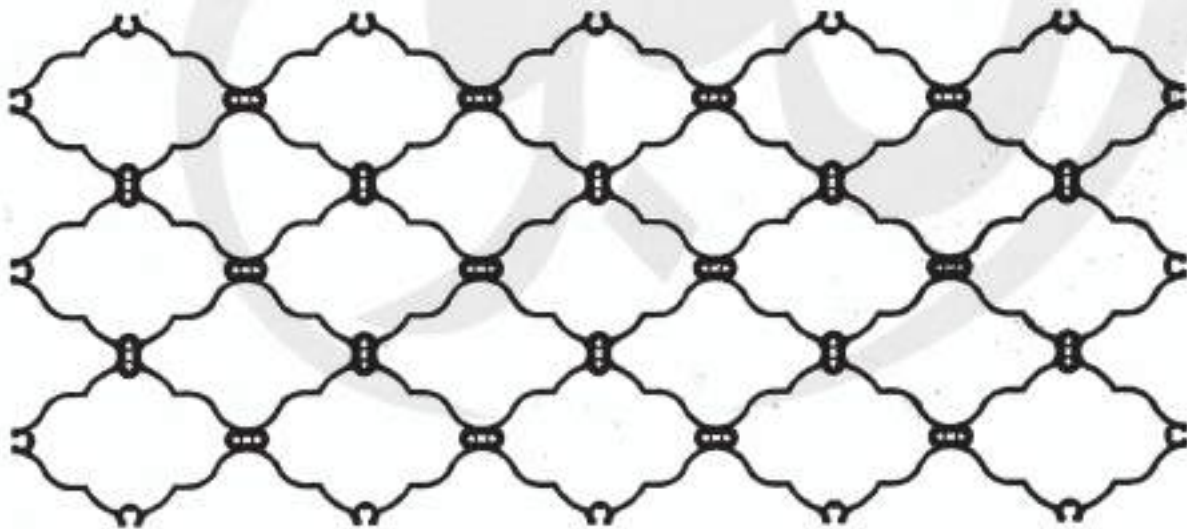
09359
(0.210KG/M.)



09357
(0.380KG/M.)



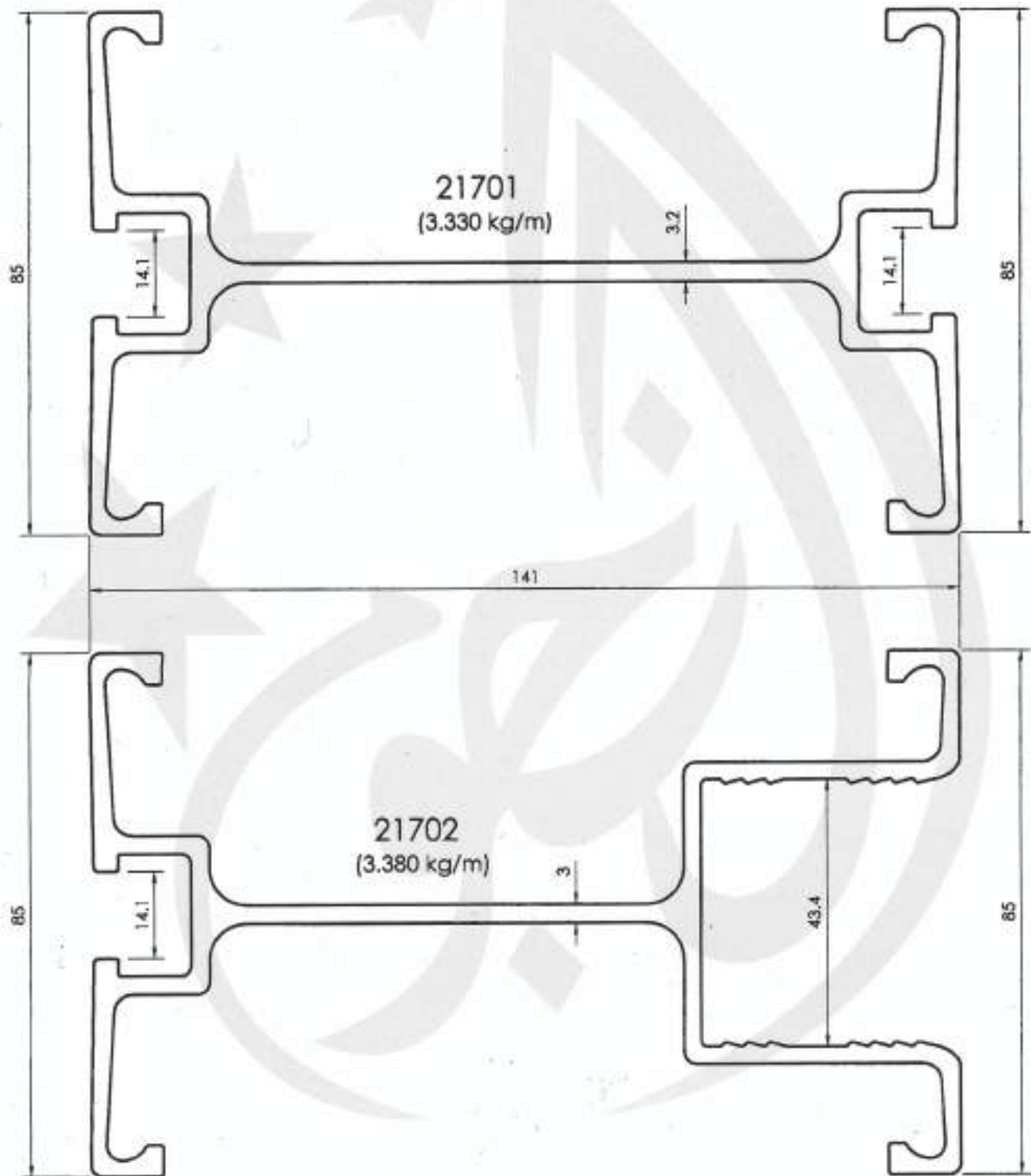
09358
(0.536KG/M.)



ASSEMBLY OF PROFILES

12196 & 09359

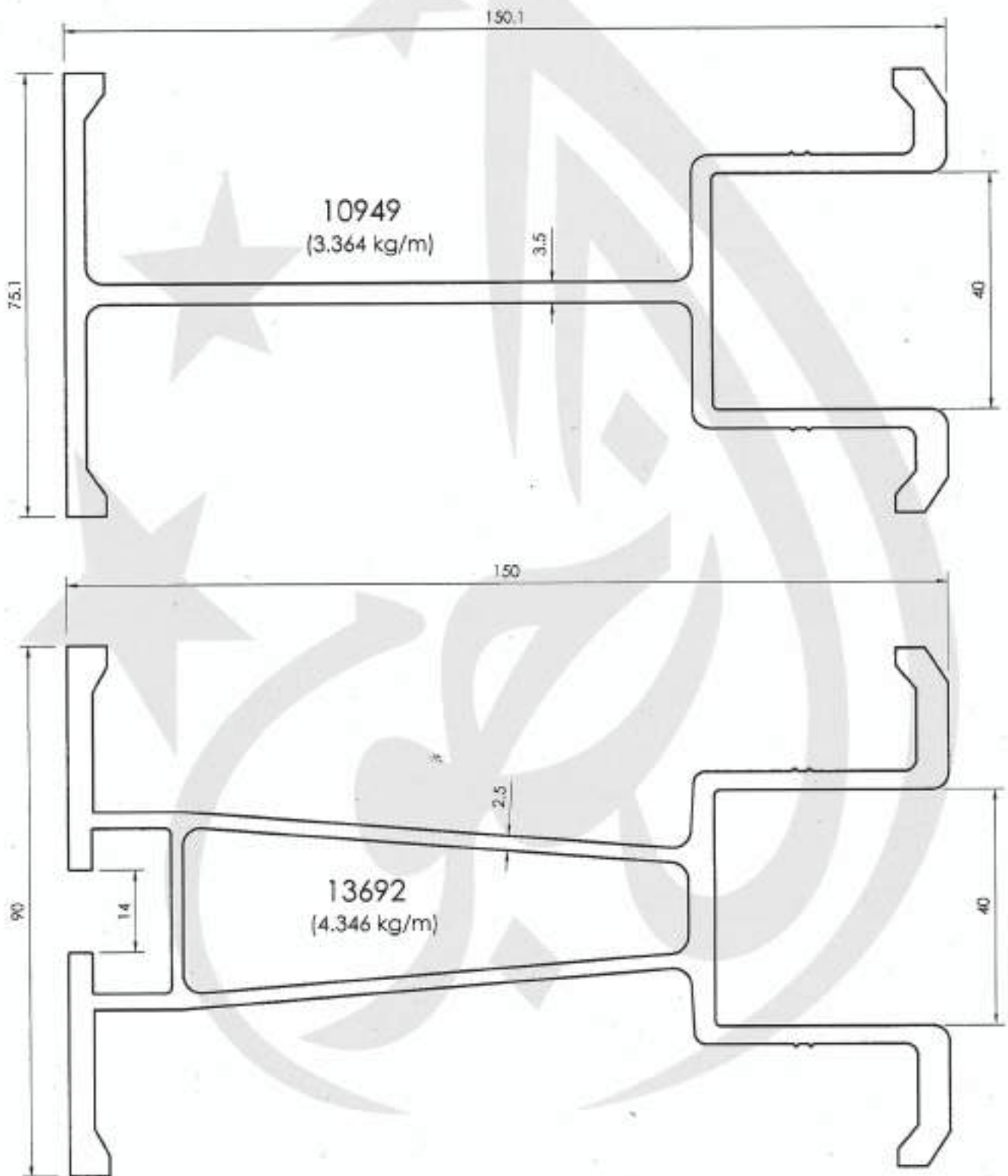
Scaffolding



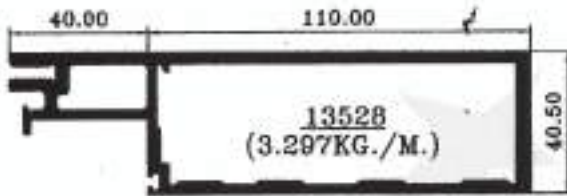
All dimensions in mm
Visible area_-----



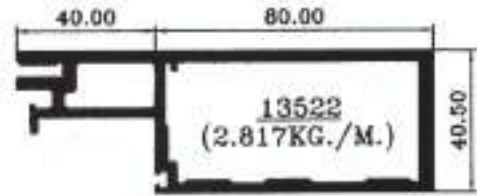
Scaffolding



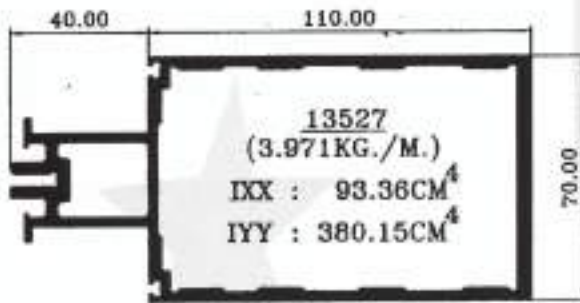
All dimensions in mm
Visible area.....



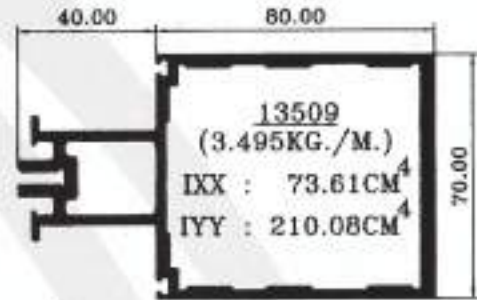
IXX : 28.60CM⁴
IYY : 289.00CM⁴



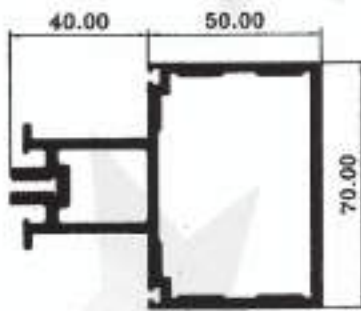
IXX : 22.70CM⁴
IYY : 157.50CM⁴



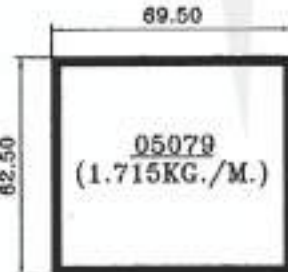
IXX : 93.36CM⁴
IYY : 380.15CM⁴



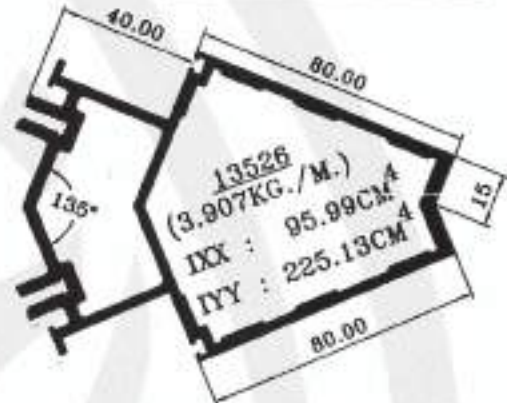
IXX : 73.61CM⁴
IYY : 210.08CM⁴



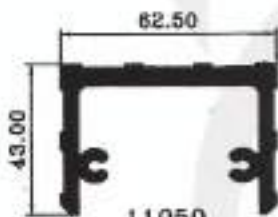
IXX : 51.55CM⁴
IYY : 86.79CM⁴



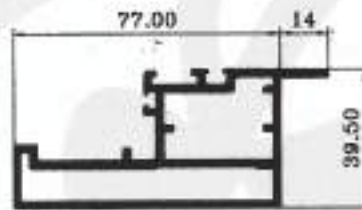
IXX : 39.21CM⁴
IYY : 46.27CM⁴



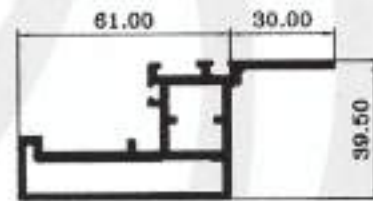
IXX : 95.99CM⁴
IYY : 225.13CM⁴



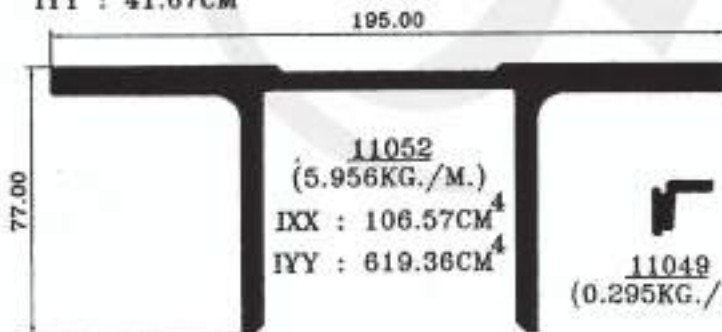
IXX : 12.96CM⁴
IYY : 41.67CM⁴



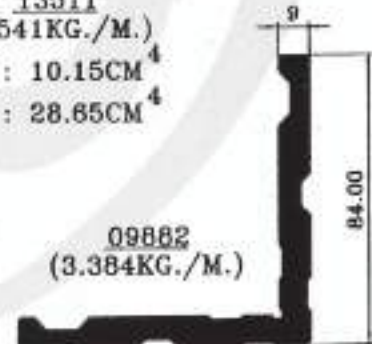
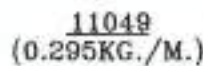
IXX : 11.30CM⁴
IYY : 38.89CM⁴

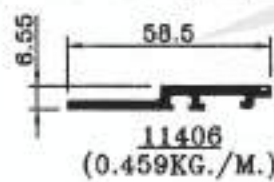
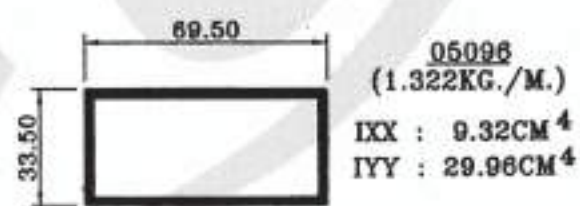
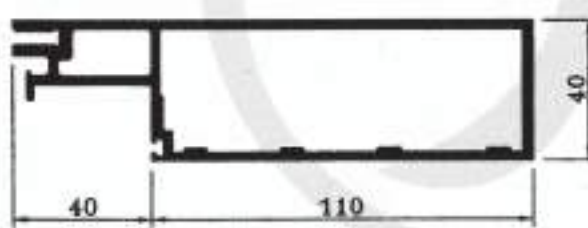
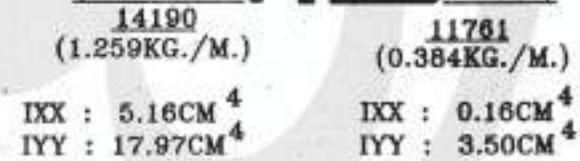
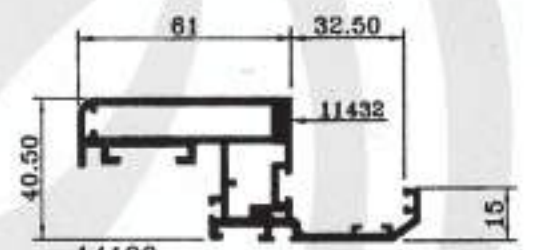
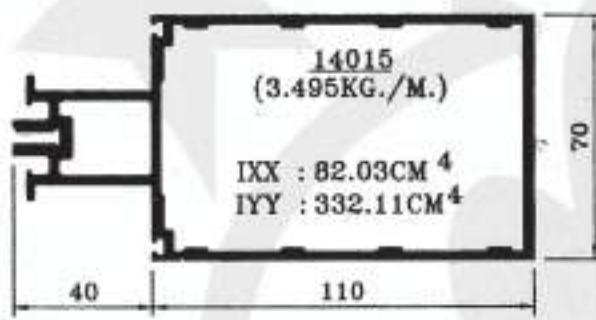
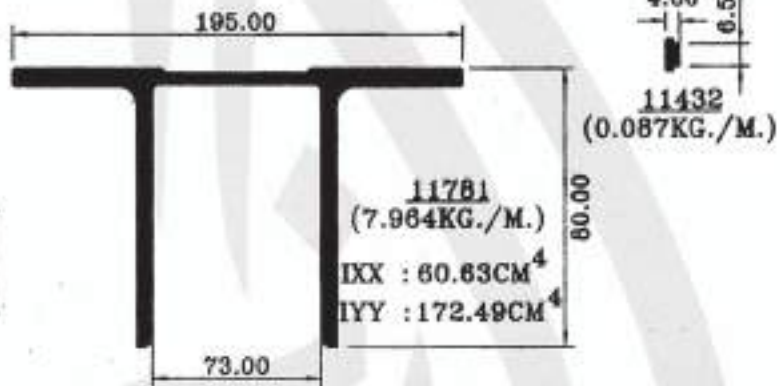
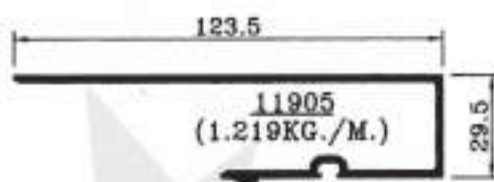
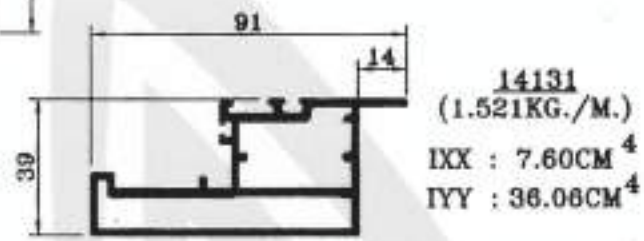
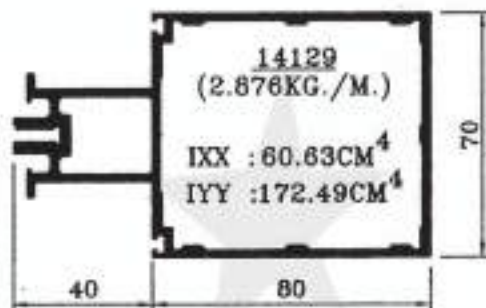
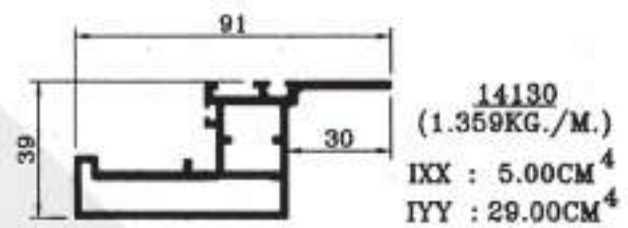
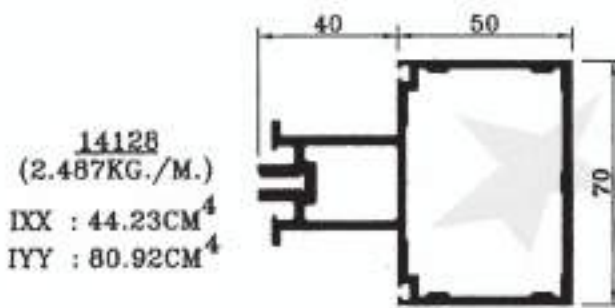


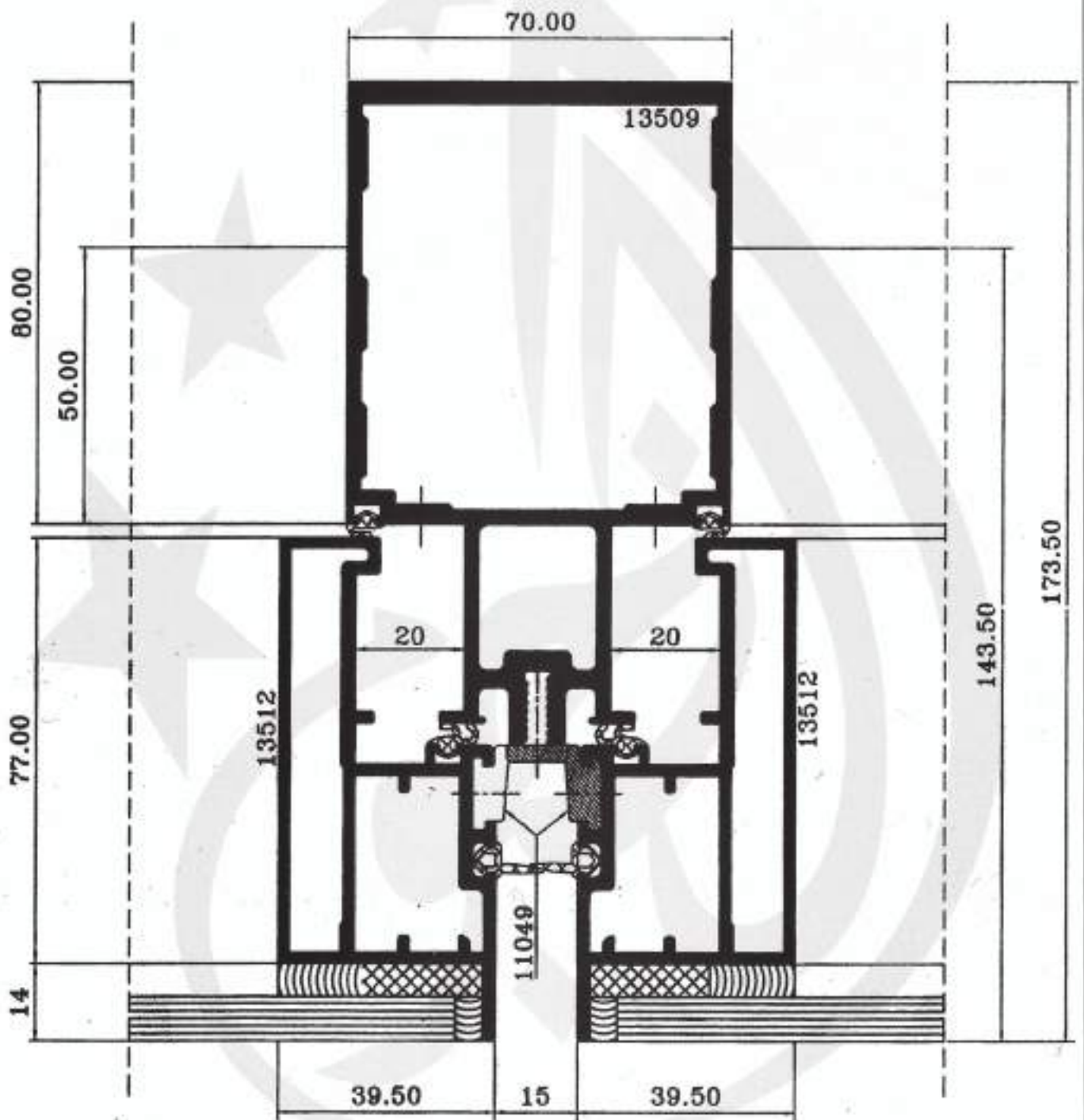
IXX : 10.15CM⁴
IYY : 28.65CM⁴



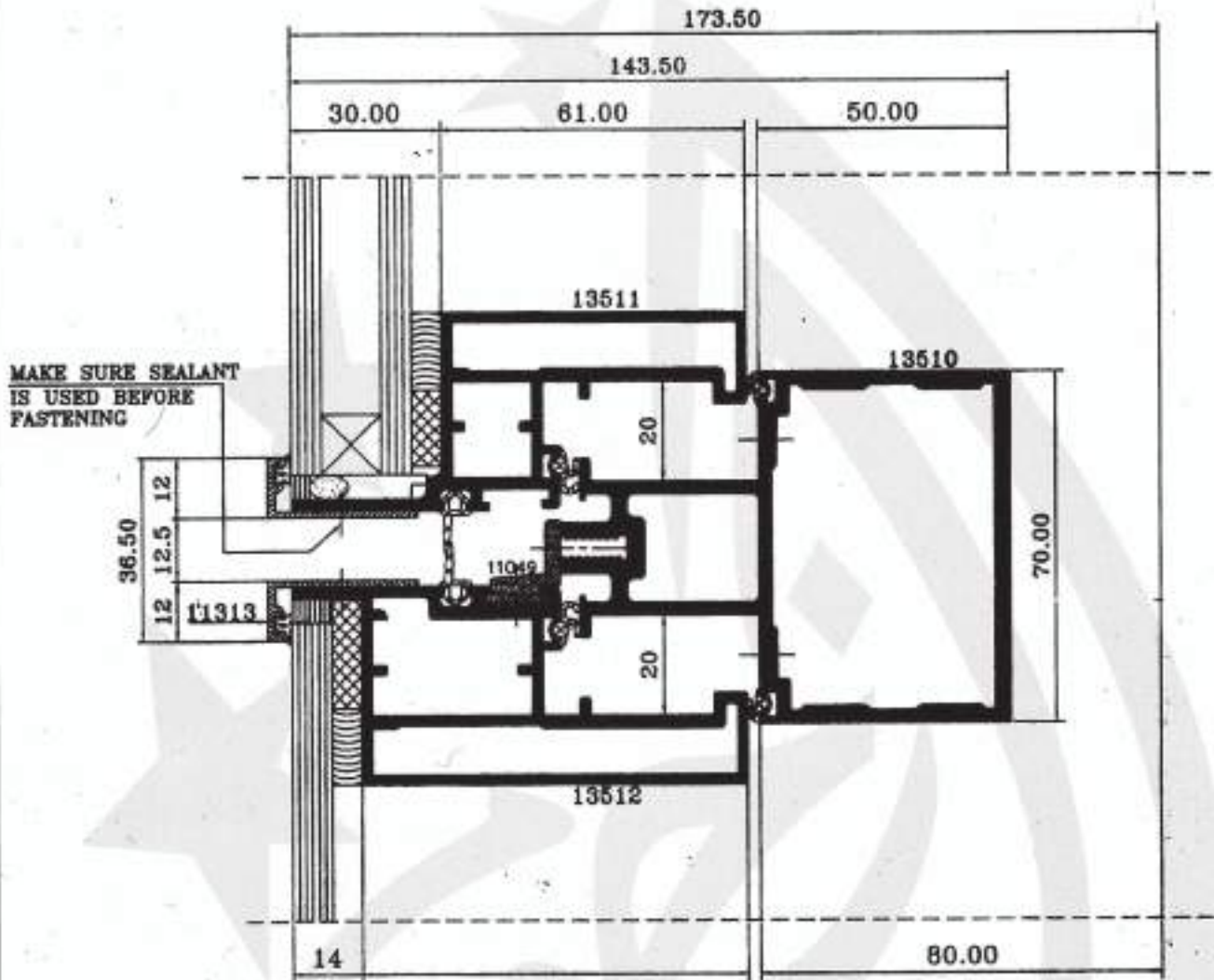
IXX : 106.57CM⁴
IYY : 619.36CM⁴



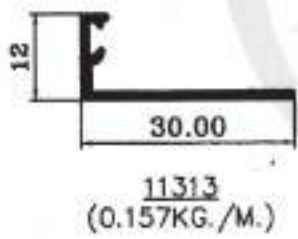


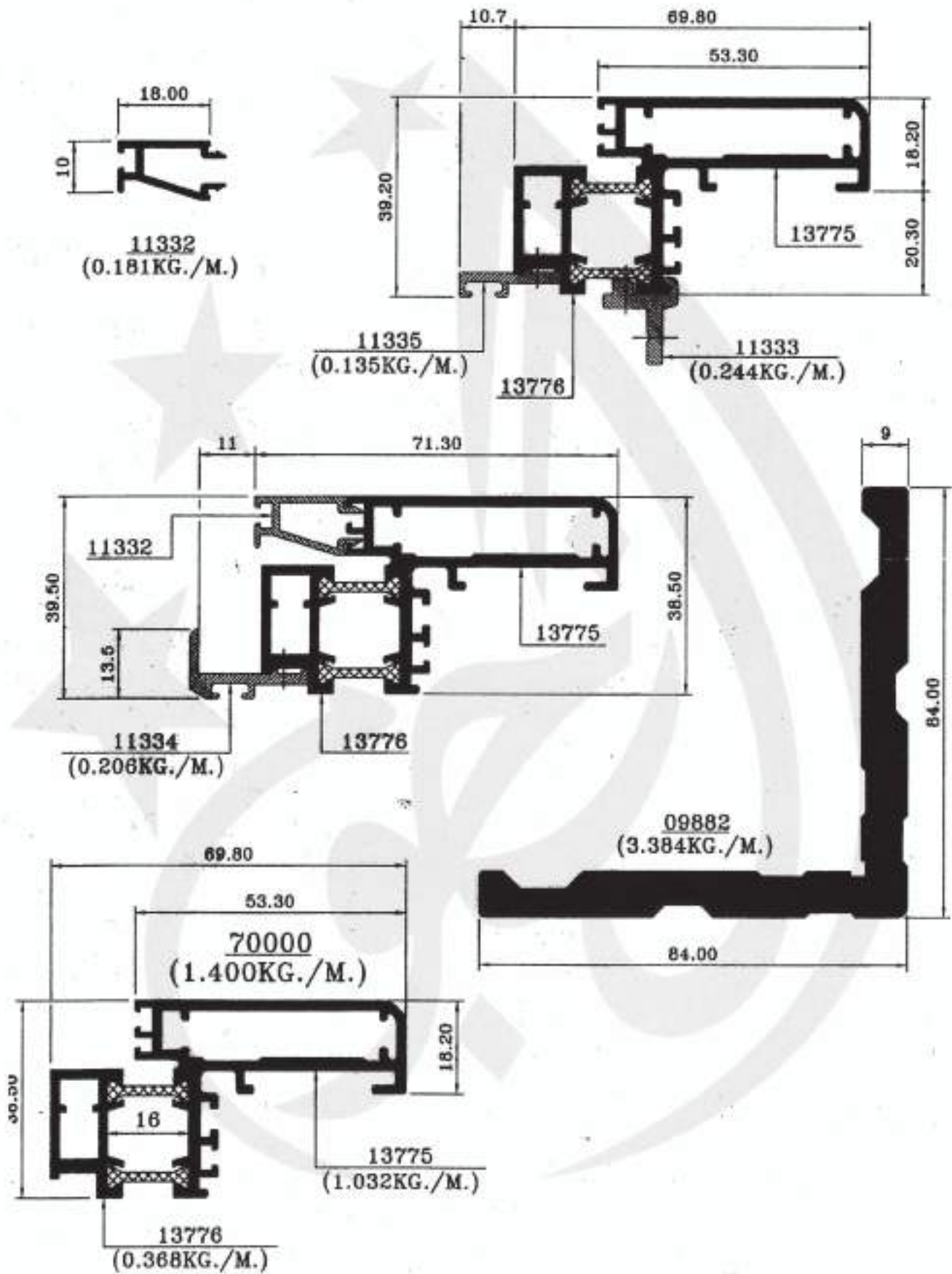


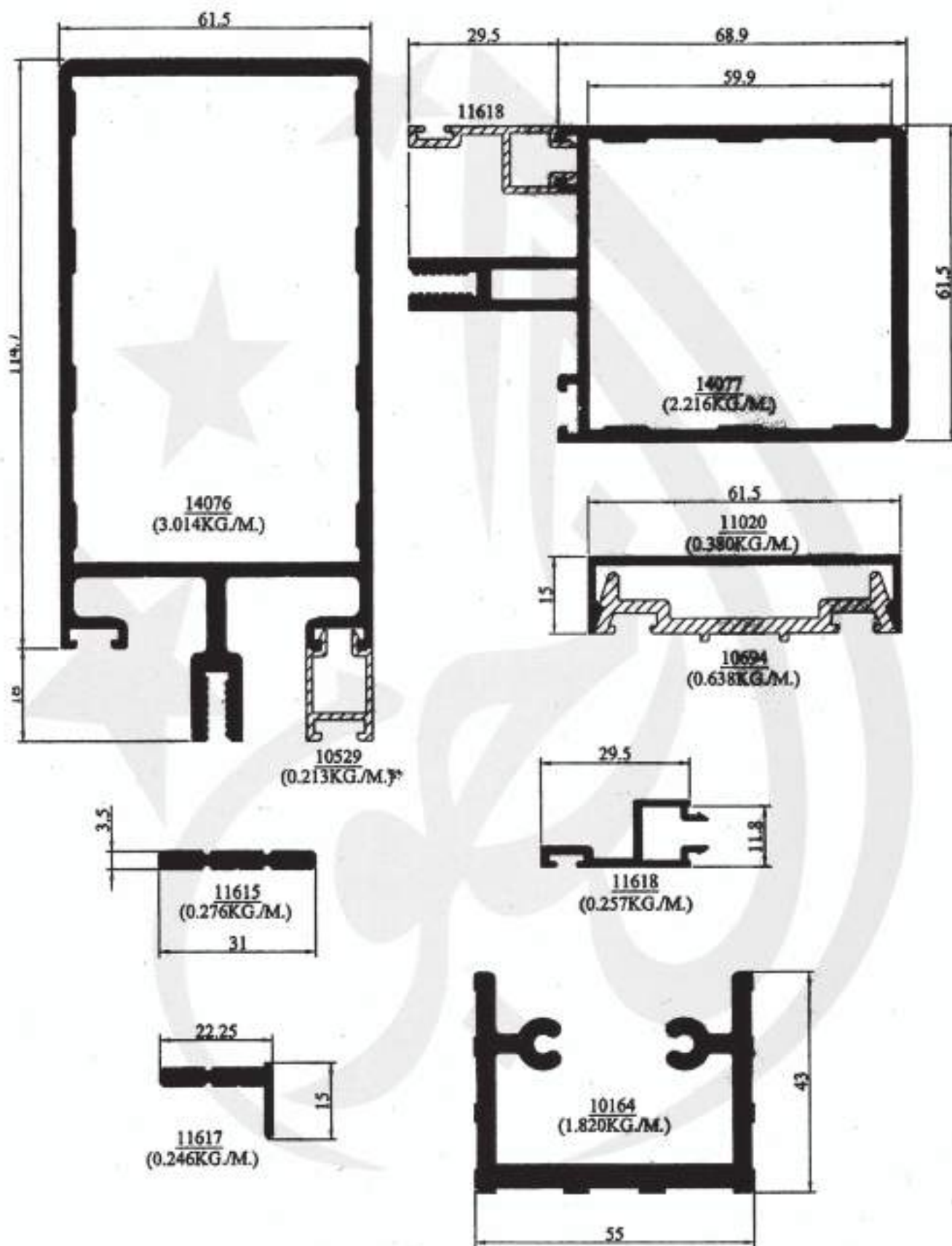
DETAIL-2

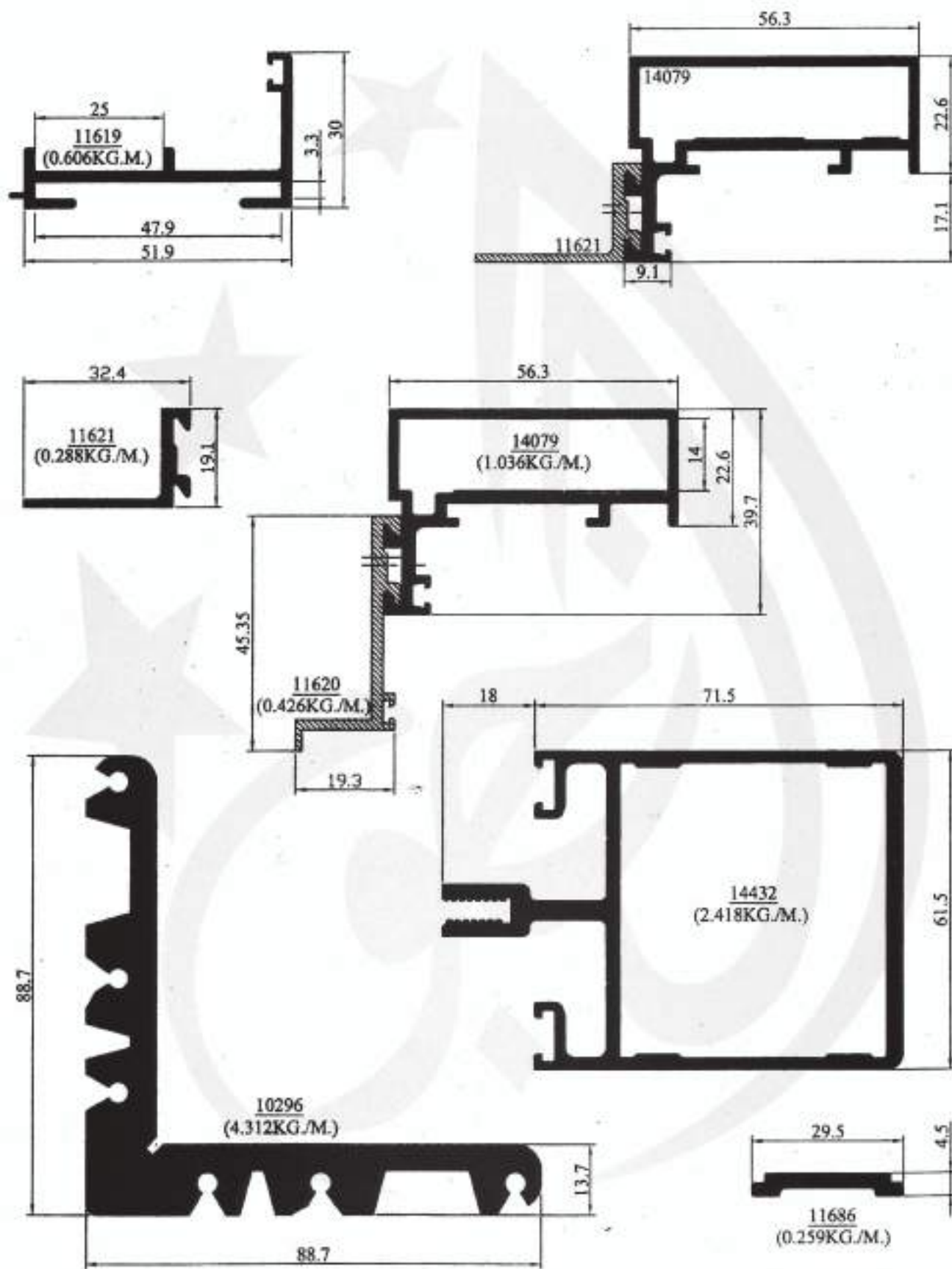


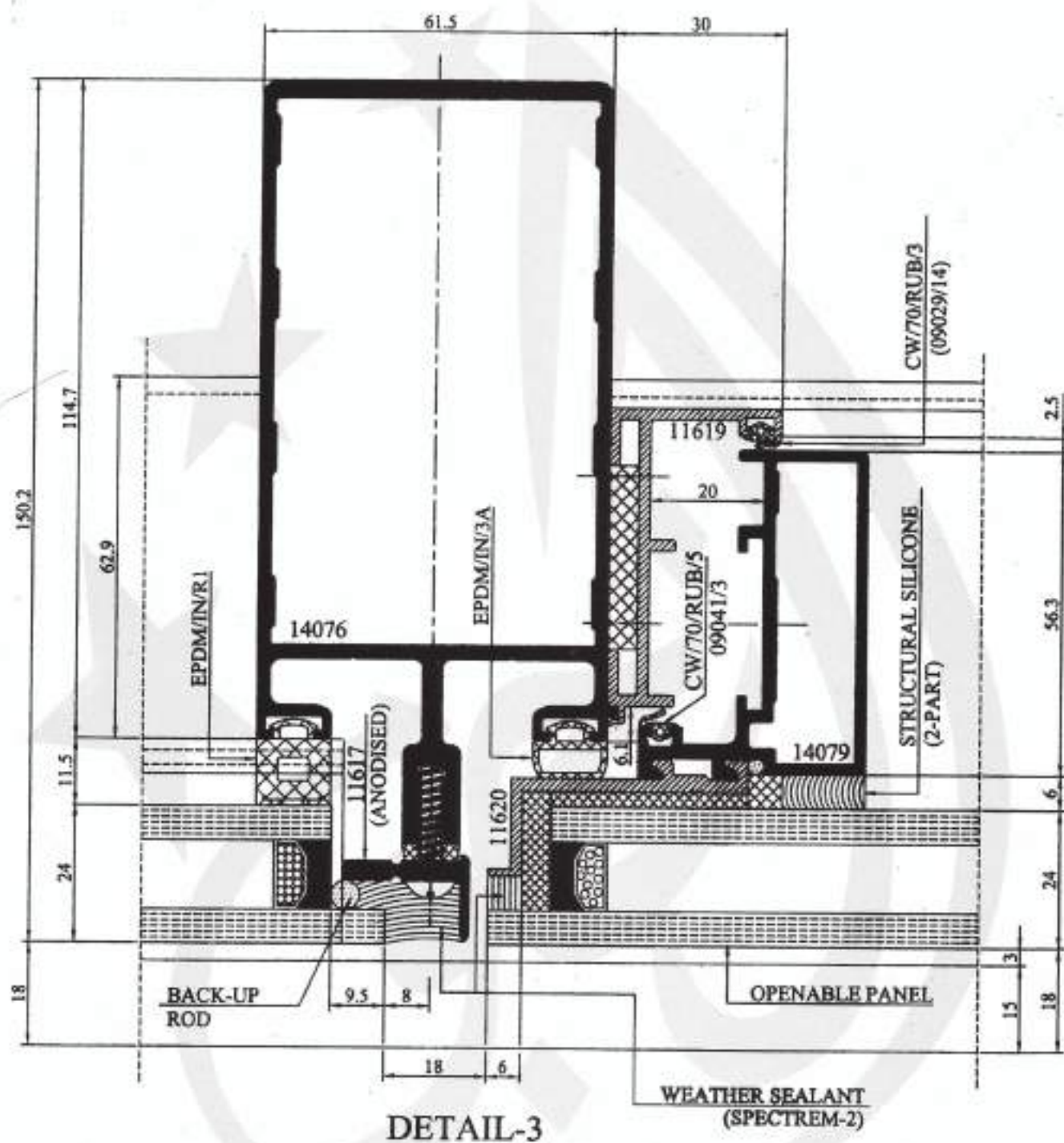
DETAIL-3A
 (FIXED & OPENABLE PANELS)
 (WITH GAURD)



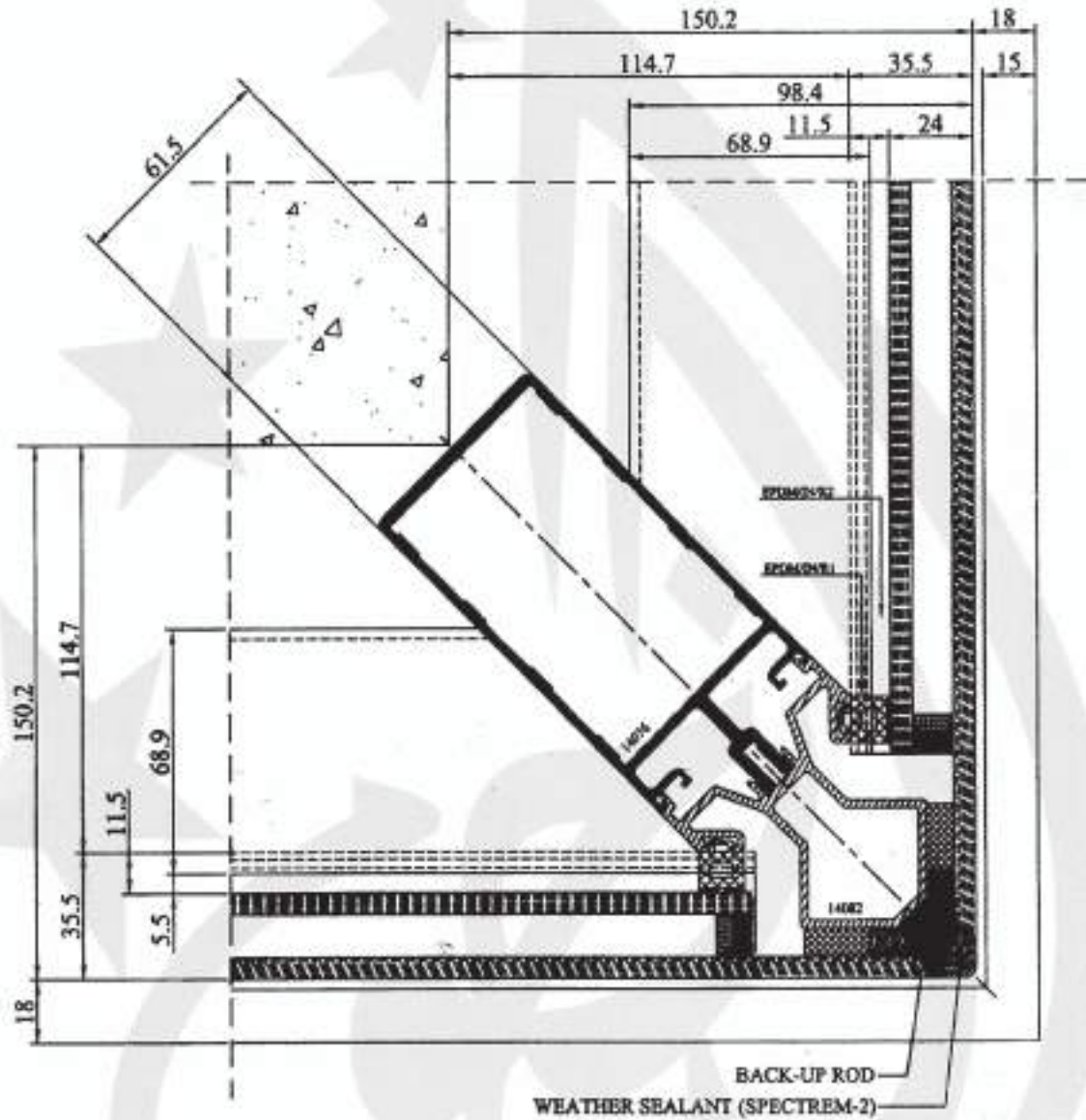








DETAIL-3



**90° CORNER ASSEMBLY
(OUT)**



Diwali



RAL 1000



RAL 1006



RAL 1001



RAL 1007



RAL 1015



RAL 1020



RAL 1028



RAL 1002



RAL 1011



RAL 1016



RAL 1021



RAL 1032



RAL 1003



RAL 1012



RAL 1017



RAL 1023



RAL 1033



RAL 1004



RAL 1013



RAL 1018



RAL 1024



RAL 1034



RAL 1005



RAL 1014



RAL 1019



RAL 1027



RAL 1037

nicwala



RAL 2000



RAL 2008



RAL 2001



RAL 2009



RAL 2002



RAL 2010



RAL 2003



RAL 2011



RAL 2004



RAL 2012

loy keatong



RAL 3000



RAL 3003



RAL 3007



RAL 3012



RAL 3015



RAL 3018



RAL 3027



RAL 3001



RAL 3004



RAL 3009



RAL 3013



RAL 3016



RAL 3020



RAL 3031



RAL 3002



RAL 3005



RAL 3011



RAL 3014



RAL 3017



RAL 3022



fanabata



lantern festival



Kwanzaa





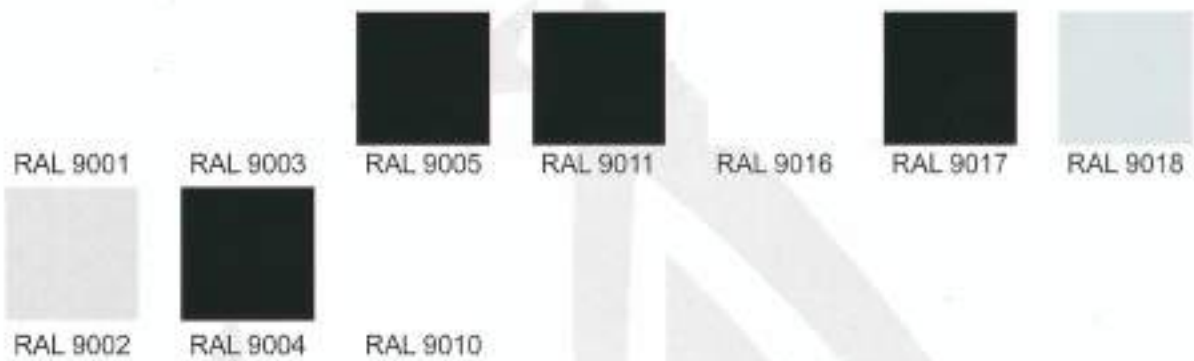
Impulstanz

fete de la musique

RAL 7000	RAL 7011	RAL 7030	RAL 8000	RAL 8001	RAL 8011	RAL 8019
RAL 7001	RAL 7012	RAL 7031	RAL 8002	RAL 8002	RAL 8012	RAL 8022
RAL 7002	RAL 7013	RAL 7032	RAL 8003	RAL 8003	RAL 8014	RAL 8023
RAL 7003	RAL 7015	RAL 7033	RAL 8004	RAL 8004	RAL 8015	RAL 8024
RAL 7004	RAL 7016	RAL 7034	RAL 8007	RAL 8007	RAL 8016	RAL 8025
RAL 7005	RAL 7021	RAL 7035	RAL 8008	RAL 8008	RAL 8017	RAL 8028
RAL 7006	RAL 7022	RAL 7036	RAL 7040	RAL 7044		
RAL 7008	RAL 7023	RAL 7037	RAL 7042	RAL 7045		
RAL 7009	RAL 7024	RAL 7038	RAL 7043	RAL 7046	RAL 7047	
RAL 7010	RAL 7026	RAL 7039				



halloween



carnevale





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13509	102	11619	108								
13510	102	11621	108								



Stars aluminium L. L. C.
P.O.Box : 3574, Sharjah, U.A.E.
Tel : 06 543 3937
Fax : 06 543 3041
E-mail: stars@starsaluminium.com

Star Glass
Tel : 06 543 1604
Fax : 06 542 2995

Stars Aluminium - Umm Al Quwain Branch
Tel: 06 764 7155
Fax: 06 764 7144



www.starsaluminium.com



