

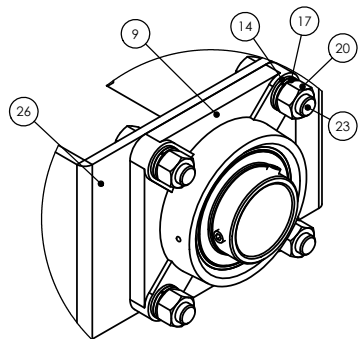
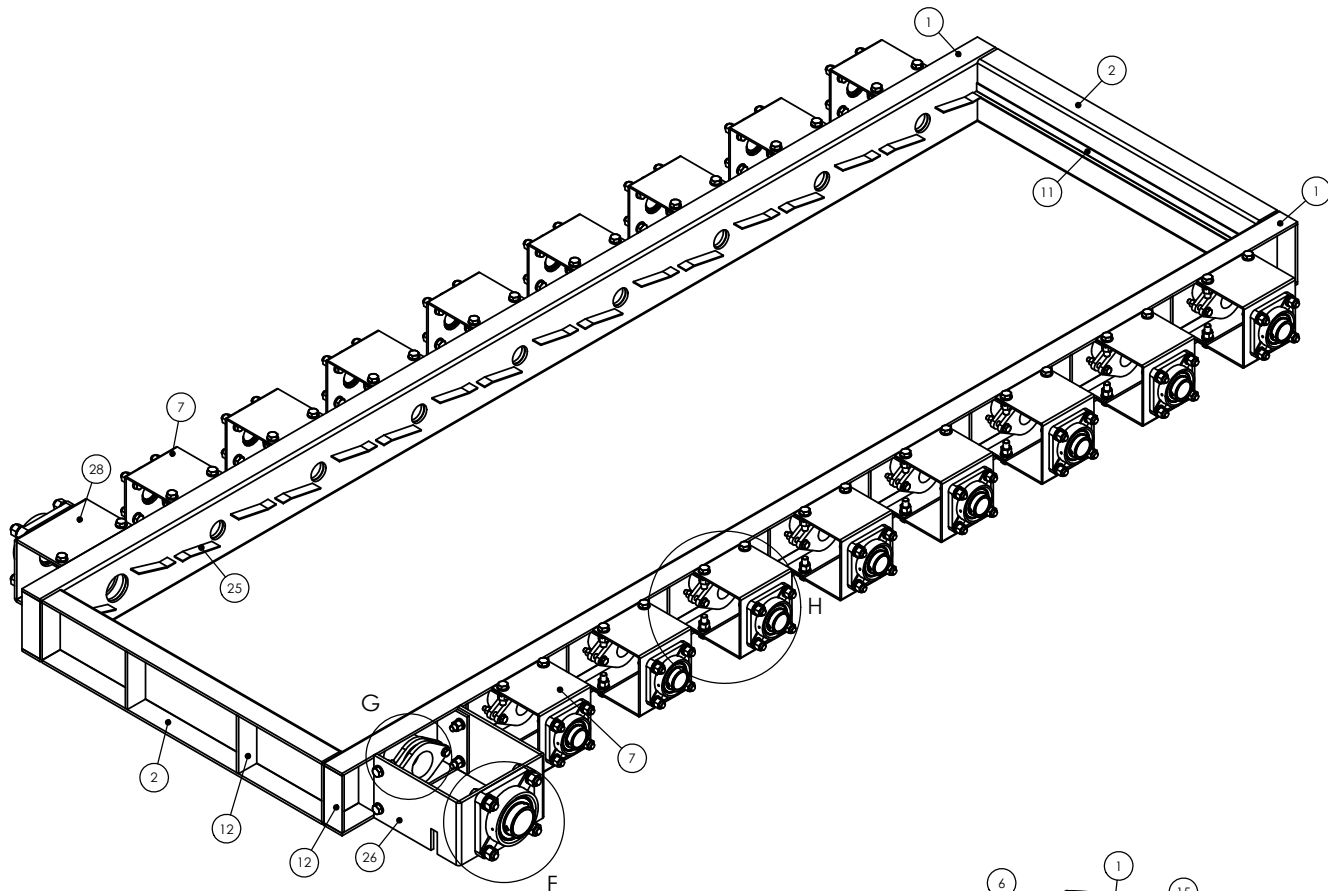


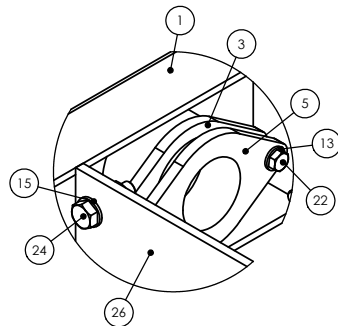
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Frame Assembly	As Per DWG.: 9110010-Damper-HL-10-02	1
2	Blade Assembly	As Per DWG.: 9110010-Damper-HL-10-10	8
3	Link Assembly 01	As Per DWG.: 9110010-Damper-HL-10-12	8
4	Rod	As Per DWG.: 9110010-Damper-HL-10-12	1
5	Stiffener Pipe	As Per DWG.: 9110010-Damper-HL-10-12	2
6	Coupling Flange	As Per DWG.: 9110010-Damper-HL-10-12	1
7	Bolting (B.N.SW.W)	M16x70	9
8	First Blade Assembly	As Per DWG.: 9110010-Damper-HL-10-08	1
9	Link Assembly 02	As Per DWG.: 9110010-Damper-HL-10-12	1

Note:				
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION: 04
			TITLE: <h2 style="text-align: center;">Damper Main Assembly</h2>	
	NAME	SIGNATURE	DATE	CLIENT :  شرکت صنعتی سانتیگراد (مهندسی، ساخت و نصب) ۱۳۸۲  Centigrade Ind. Inc.
DRAWN	A.Jokar		1400.09.23	
CHKD	A.Jokar		1400.09.23	
APPVD	E.Beygi		1400.09.23	
G.C.	H.Mohajeri			
MATERIAL:		WEIGHT:	DWG NO. <h1 style="text-align: center;">9110010-Damper-H-10-01</h1>	
			SCALE:	SHEET 1 OF 12

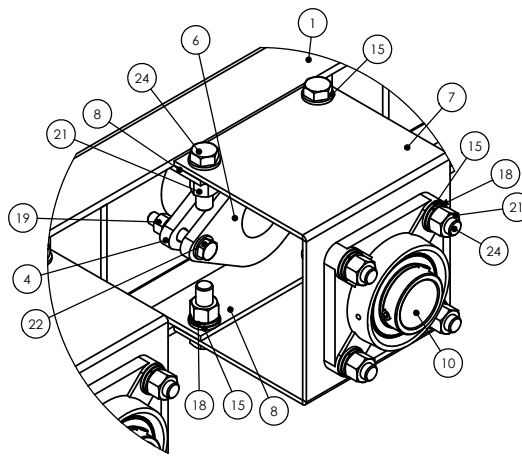




DETAIL F



DETAIL G



DETAIL H

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	Material	T.Weight
1	2	Vertical Frame	8x320x3540	St-52	143
2	2	Horizontal Frame	8x320x1036	St-52	42.4
3	2	First Female Gland	As Per DWG.: 9110010-Damper-HL-10-06	A-335	4.4
4	16	Female Gland	As Per DWG.: 9110010-Damper-HL-10-06	A-335	31
5	2	First Male Gland	As Per DWG.: 9110010-Damper-HL-10-06	Gray Cast Iron	3.5
6	16	Male Gland	As Per DWG.: 9110010-Damper-HL-10-06	Gray Cast Iron	23.5
7	16	Bearing Support	5x190x526	St-52	60
8	32	Support Clamp	6x60x190	St-52	18
9	2	Bearing Housing	UCF-215	--	--
10	16	Bearing Housing	UCF-210	--	--
11	2	Horizontal Air Seal	3x38x1036	St-52	2.5
12	24	Frame Stiffener	8x184x67	St-52	18.5
13	72	Washer DIN	A-12	Galvanized	--
14	15	Washer	A-18	Galvanized	--
15	274	Washer DIN	A-16	Galvanized	--
16	36	Spring washer	A-12	Galvanized	--
17	8	Spring washer	A-18	Galvanized	--
18	136	Spring washer	A-16	Galvanized	--
19	36	Hex. Nut	M12	Galvanized	--
20	8	Hex. Nut	M18	Galvanized	--
21	136	Hex. Nut	M16	Galvanized	--
22	36	Hex. Bolt	M12x70	Galvanized	--
23	8	Hex. Bolt	M18x70	Galvanized	--
24	136	Hex. Bolt	M16x55	Galvanized	--
25	32	Air seal	3x30x140	St-52	3
26	1	First Bearing Support	10x200x912	St-52	14.3
27	2	Bearing Support Clamp	8x190x67	St-52	18.5
28	1	First Bearing Support	8x260x532	St-52	8.6
29	2	First Support Clamp	6x65x260	St-52	2.8
30	4	Air seal	3x30x140	St-52	0.2

Note:

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS

DEBURR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION: 04

TITLE:  
**Damper Frame Assembly**

QTY: 4 Set  
(Left & Right)

	NAME	SIGNATURE	DATE
DRAWN	A.Jokar		1400.09.23
CHK'D	A.Jokar		1400.09.23
APPV'D	E.Beygi		1400.09.23
Q.C.	H.Mohajeri		

MATERIAL:

WEIGHT:

DWG NO.

**9110010-Damper-H-10-03**

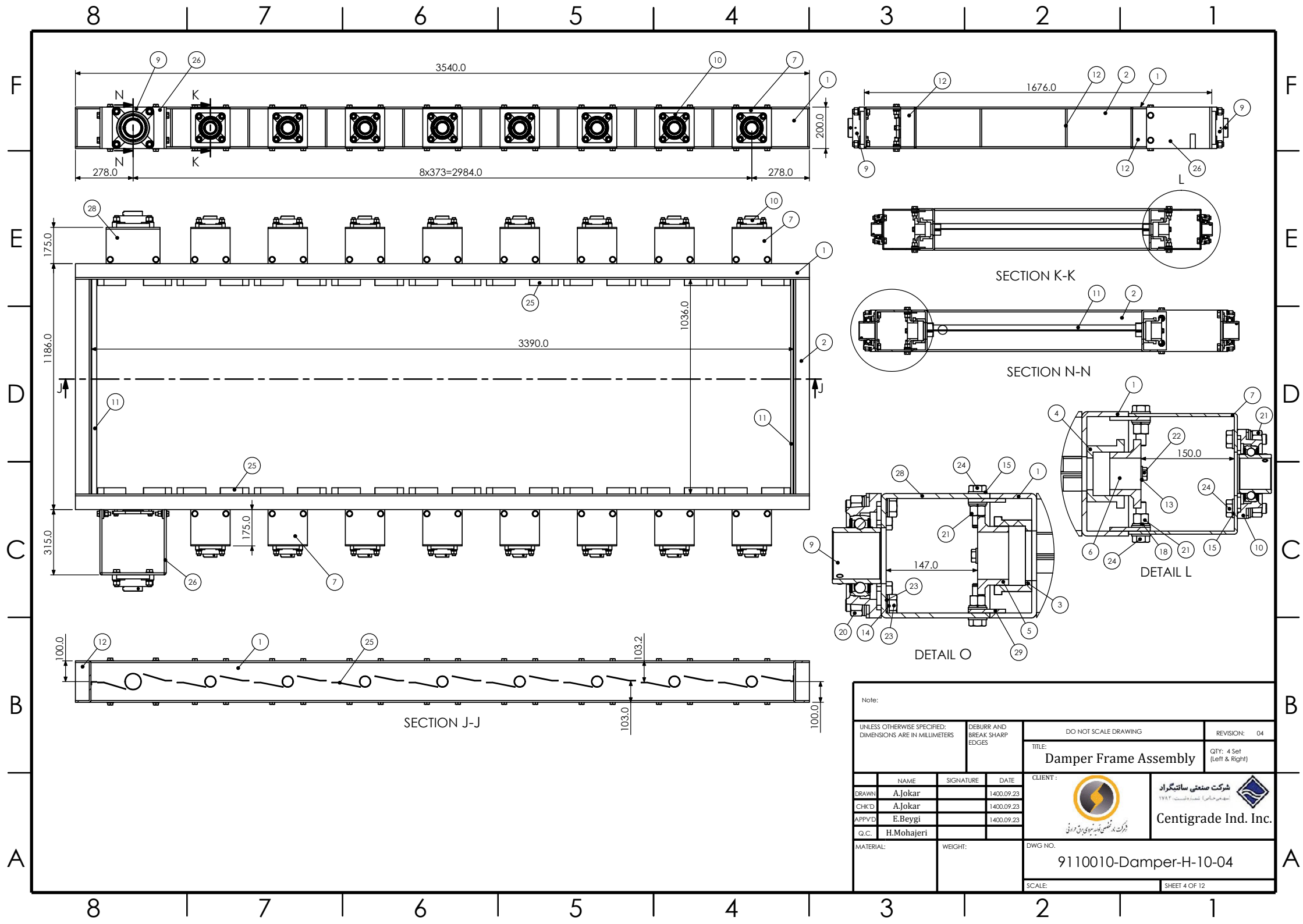
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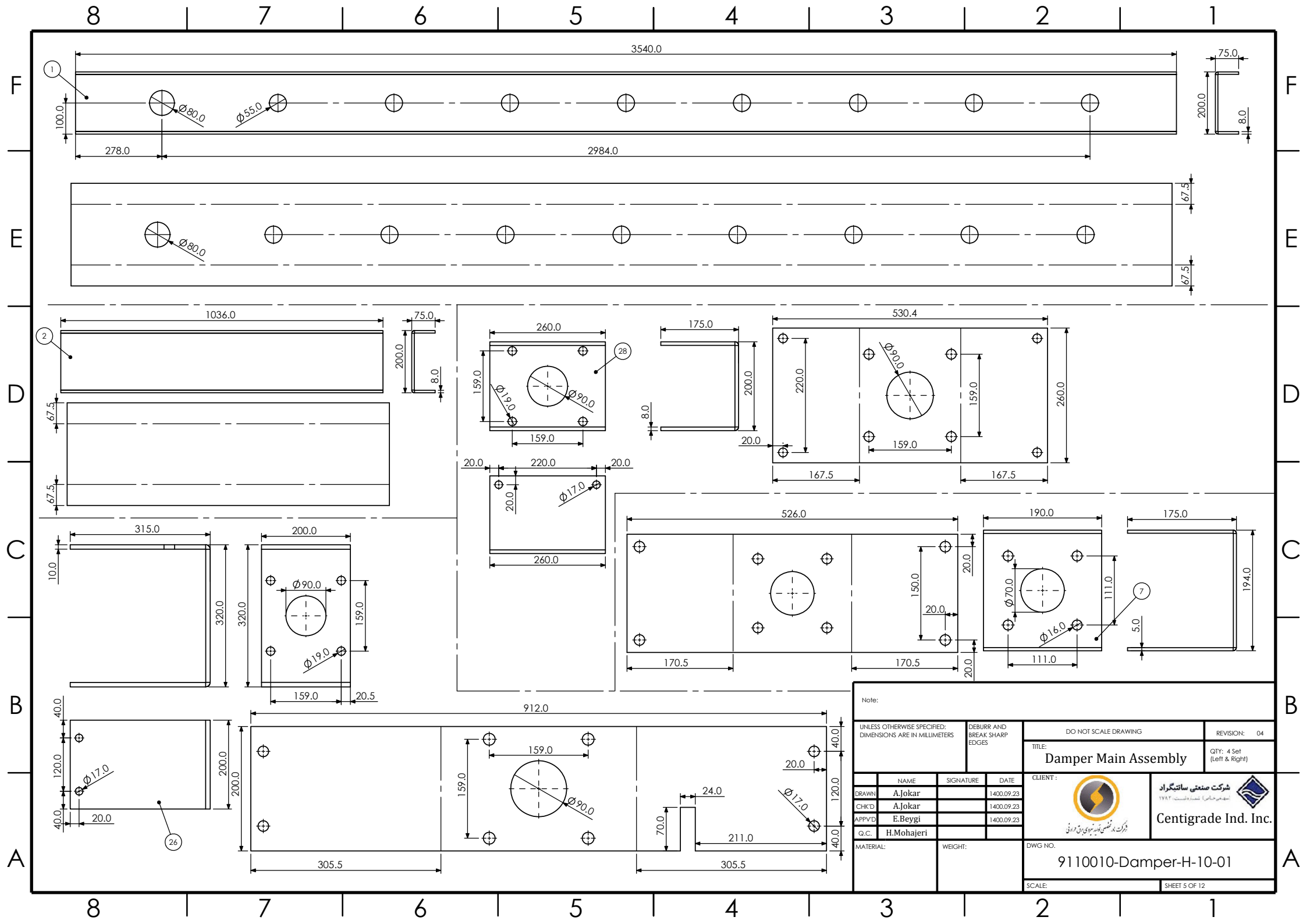
SHEET 3 OF 12

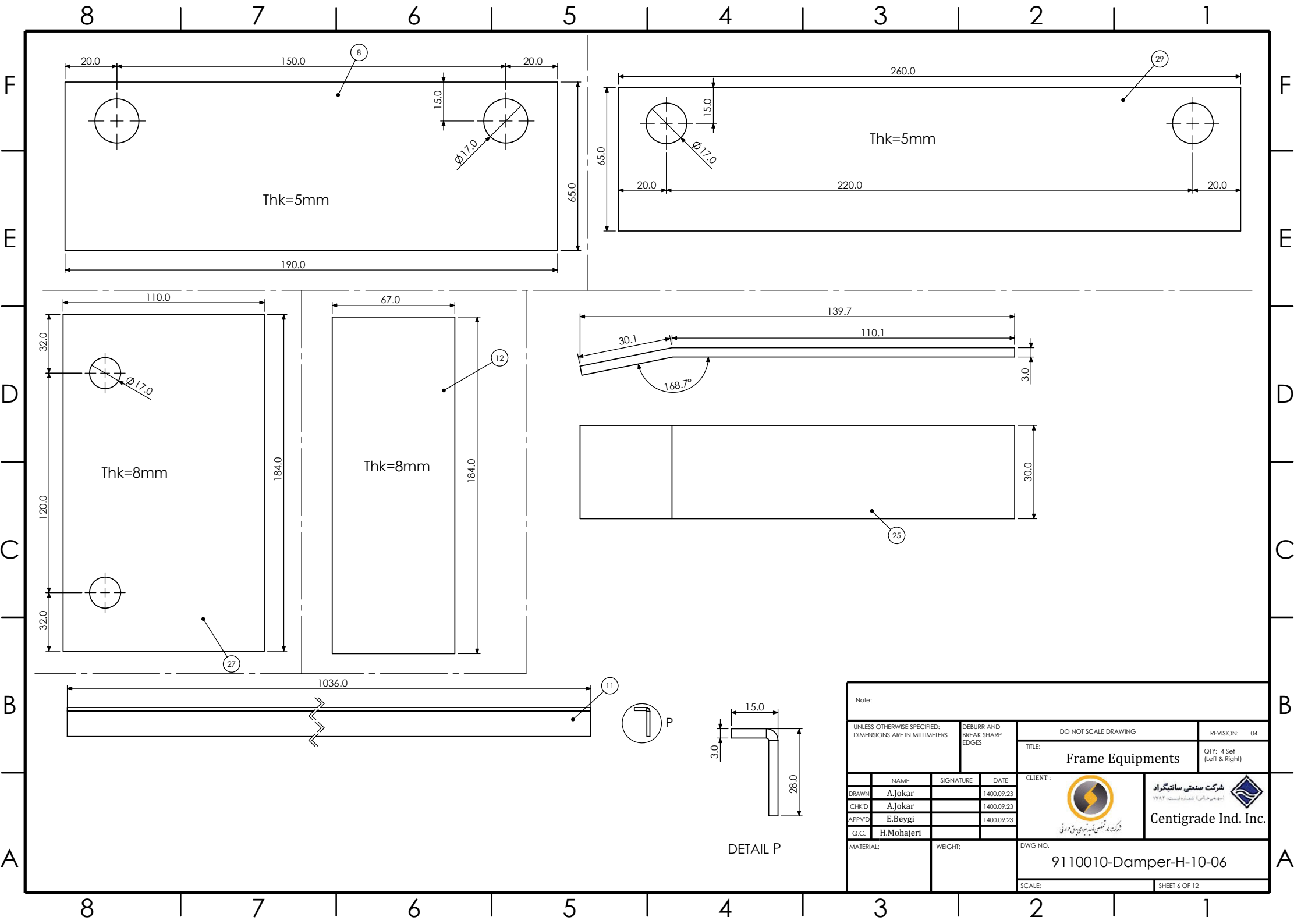



شرکت صنعتی سانیگراد  
تولیدی ماشین آلات و تجهیزات  
1394

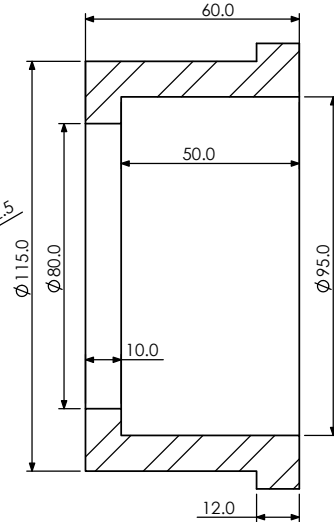
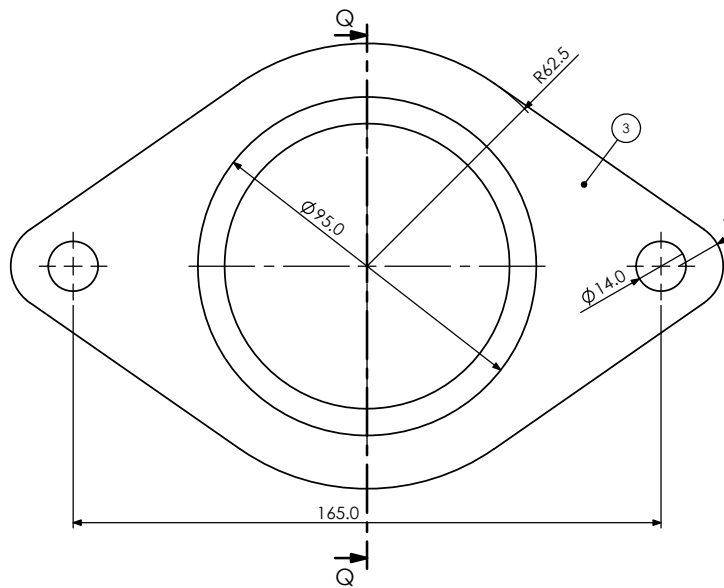
**Centigrade Ind. Inc.**



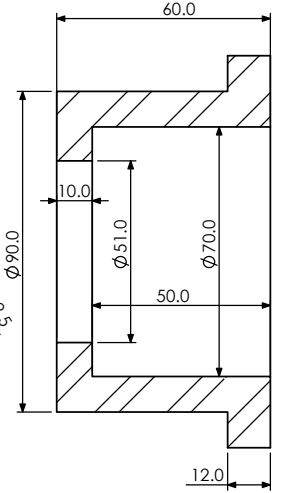
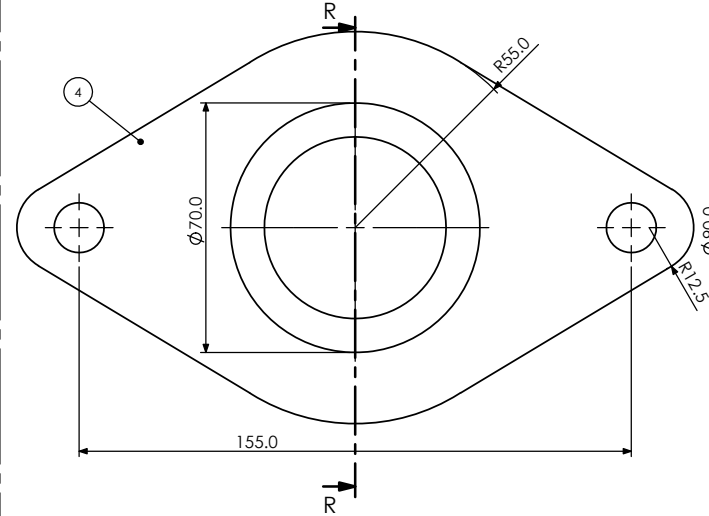




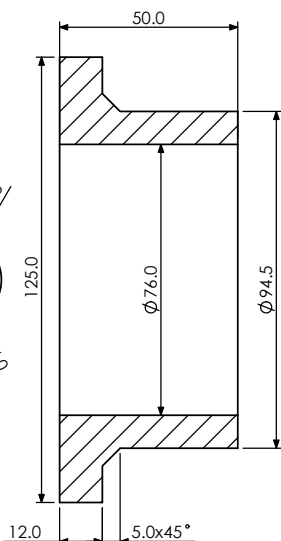
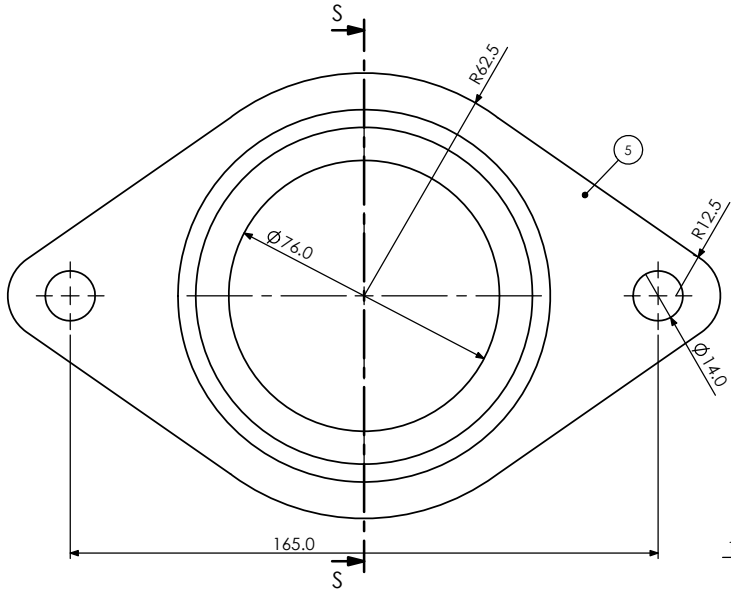
Note:					
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	
				REVISION: 04	
				TITLE:  Frame Equipments	
				QTY: 4 Set (Left & Right)	
	NAME	SIGNATURE	DATE	CLIENT :	
DRAWN	A.Jokar		1400.09.23	 شرکت صنعتی سانیتگراد تهران، خیابان آیت الله بهشتی، پلاک ۱۷۸۲	
CHK'D	A.Jokar		1400.09.23		
APPV'D	E.Beygi		1400.09.23		
Q.C.	H.Mohajeri				
MATERIAL:		WEIGHT:		DWG NO.  9110010-Damper-H-10-06	
				SCALE:	
				SHEET 6 OF 12	



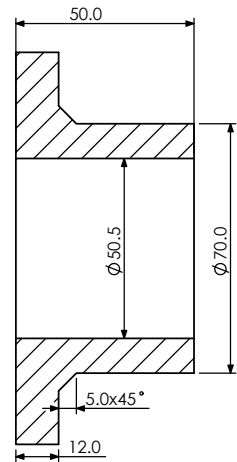
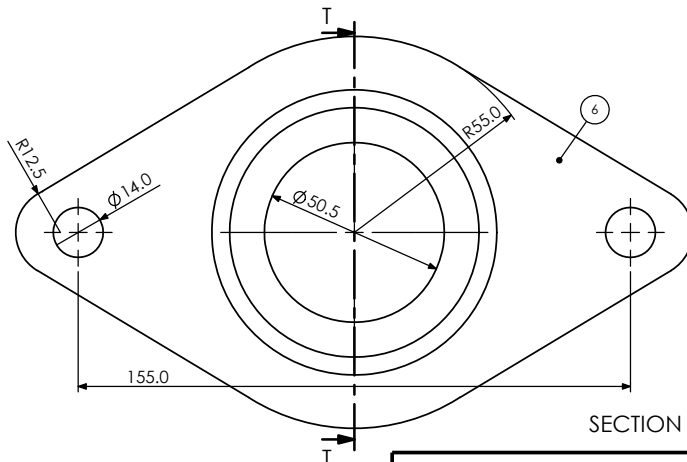
SECTION Q-Q




SECTION R-R

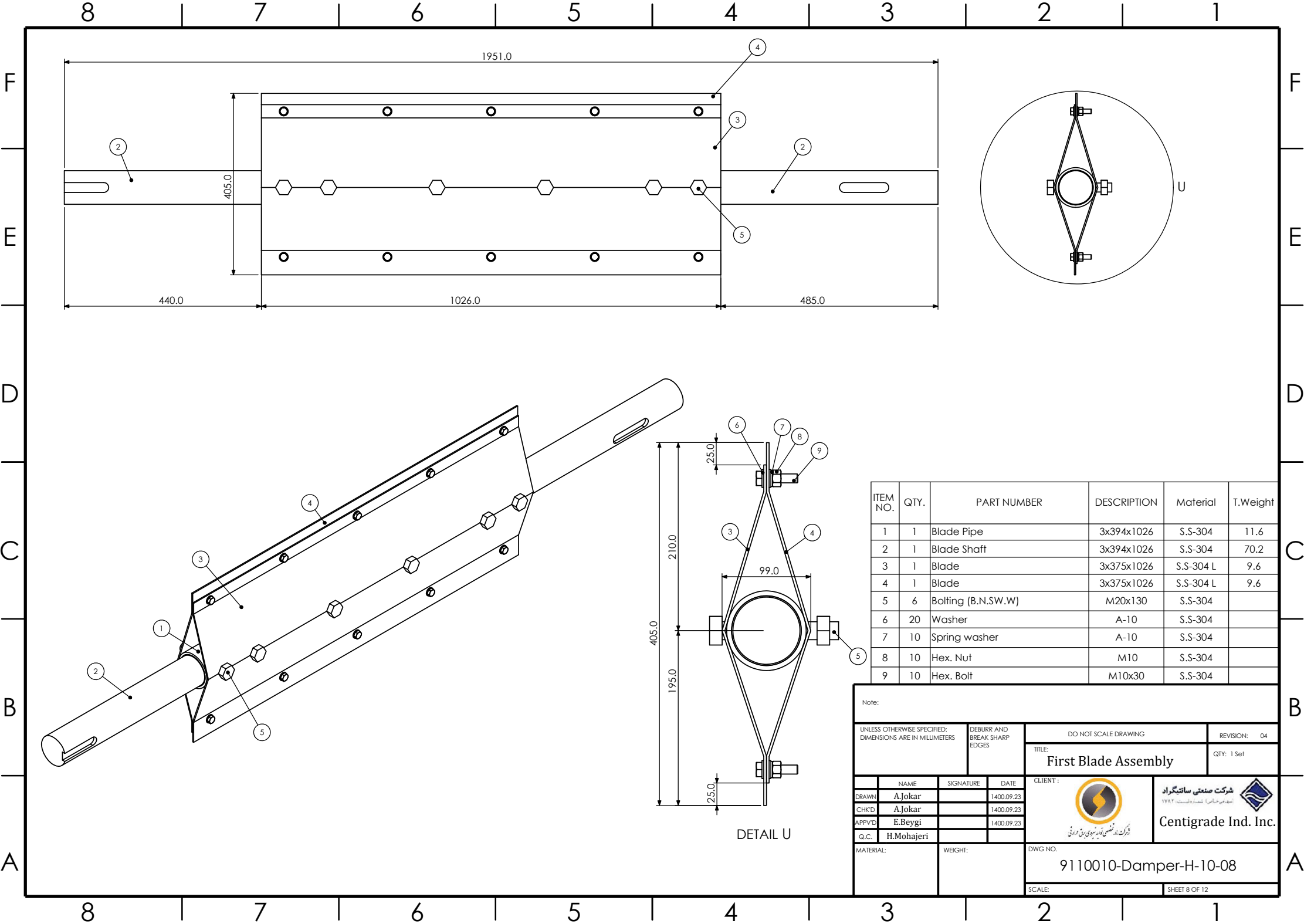


SECTION S-S



SECTION T-T

Note:				DO NOT SCALE DRAWING		REVISION: 04	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS				DEBURR AND BREAK SHARP EDGES		TITLE: <b>Frame Equipments</b>	
DRAWN: A.Jokar				SIGNATURE:		CLIENT : 	
CHK'D: A.Jokar				DATE: 1400.09.23		QTY: 4 Set (Left & Right)	
APPV'D: E.Beygi				DATE: 1400.09.23		شركت صنعتی سانیگراد تاسیس: ۱۳۸۴ شمسی	
Q.C.: H.Mohajeri				DATE:		Centigrade Ind. Inc.	
MATERIAL:				WEIGHT:		DWG NO. <b>9110010-Damper-H-10-07</b>	
						SCALE: SHEET 7 OF 12	



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	Material	T.Weight
1	1	Blade Pipe	3x394x1026	S.S-304	11.6
2	1	Blade Shaft	3x394x1026	S.S-304	70.2
3	1	Blade	3x375x1026	S.S-304 L	9.6
4	1	Blade	3x375x1026	S.S-304 L	9.6
5	6	Bolting (B.N.S.W.W)	M20x130	S.S-304	
6	20	Washer	A-10	S.S-304	
7	10	Spring washer	A-10	S.S-304	
8	10	Hex. Nut	M10	S.S-304	
9	10	Hex. Bolt	M10x30	S.S-304	

Note:

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS

DEBURR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION: 04

TITLE:  
First Blade Assembly

QTY: 1 Set

DRAWN  
A.Jokar


CHK'D  
A.Jokar

APPV'D  
E.Beygi

Q.C.  
H.Mohajeri

SIGNATURE

DATE  
1400.09.23

CLIENT :  
  
شرکت صنعتی سانیگراد  
تهران، خیابان شهید بهشتی، پلاک ۱۹۸۴

Centigrade Ind. Inc.

9110010-Damper-H-10-08

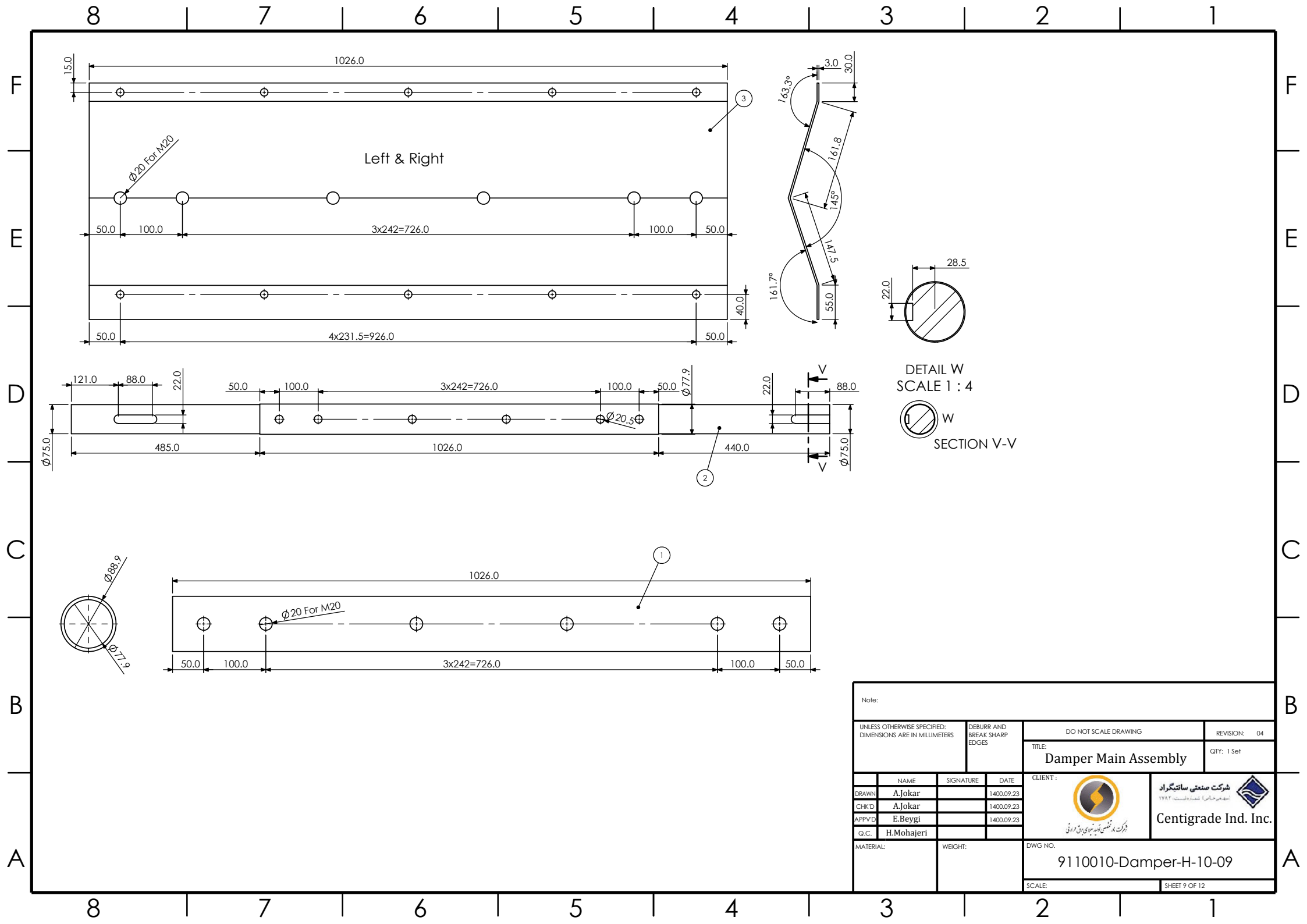
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WEIGHT:

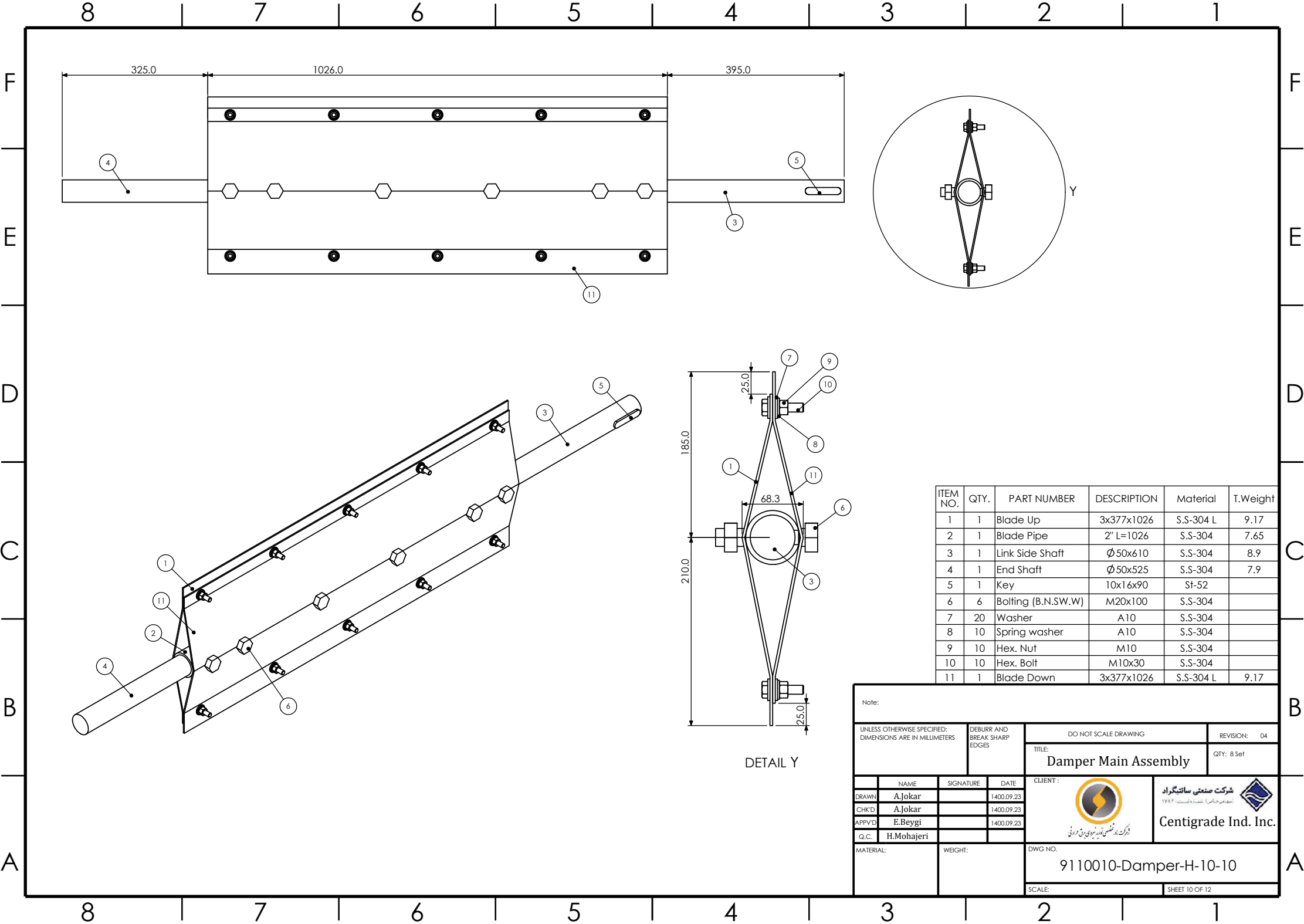
DWG NO.  
9110010-Damper-H-10-08

SCALE:  
SHEET 8 OF 12





Note:									
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS				DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION: 04	
						TITLE: Damper Main Assembly		QTY: 1 Set	
		NAME		SIGNATURE		DATE		CLIENT :	
DRAWN		A.Jokar				1400.09.23		 شركت صنعتی سانتیگراد تأسیس: ۱۳۸۲ شمسی Centigrade Ind. Inc.	
CHK'D		A.Jokar				1400.09.23			
APPV'D		E.Beygi				1400.09.23			
Q.C.		H.Mohajeri							
MATERIAL:				WEIGHT:		DWG NO. 9110010-Damper-H-10-09			
						SCALE:		SHEET 9 OF 12	



ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	Material	T.Weight
1	1	Blade Up	3x377x1026	S.S-304 L	9.17
2	1	Blade Pipe	2" L=1026	S.S-304	7.65
3	1	Link Side Shaft	Ø50x610	S.S-304	8.9
4	1	End Shaft	Ø50x525	S.S-304	7.9
5	1	Key	10x16x90	St-52	
6	6	Bolting (B.N.SW.W)	M20x100	S.S-304	
7	20	Washer	A10	S.S-304	
8	10	Spring washer	A10	S.S-304	
9	10	Hex. Nut	M10	S.S-304	
10	10	Hex. Bolt	M10x30	S.S-304	
11	1	Blade Down	3x377x1026	S.S-304 L	9.17

Note:

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS

DEBURR AND  
BREAK SHARP  
EDGES

DO NOT SCALE DRAWING

REVISION: 04

TITLE:  
Damper Main Assembly

QTY: 8 Set

DRAWN  
A.Jokar


CHK'D  
A.Jokar

APPV'D  
E.Beygi

Q.C.  
H.Mohajeri

SIGNATURE

DATE  
1400.09.23

CLIENT :  
  
شرکت صنعتی سانیگراد  
تهران - خیابان ولیعصر - پلاک ۱۷۸۲

Centigrade Ind. Inc.

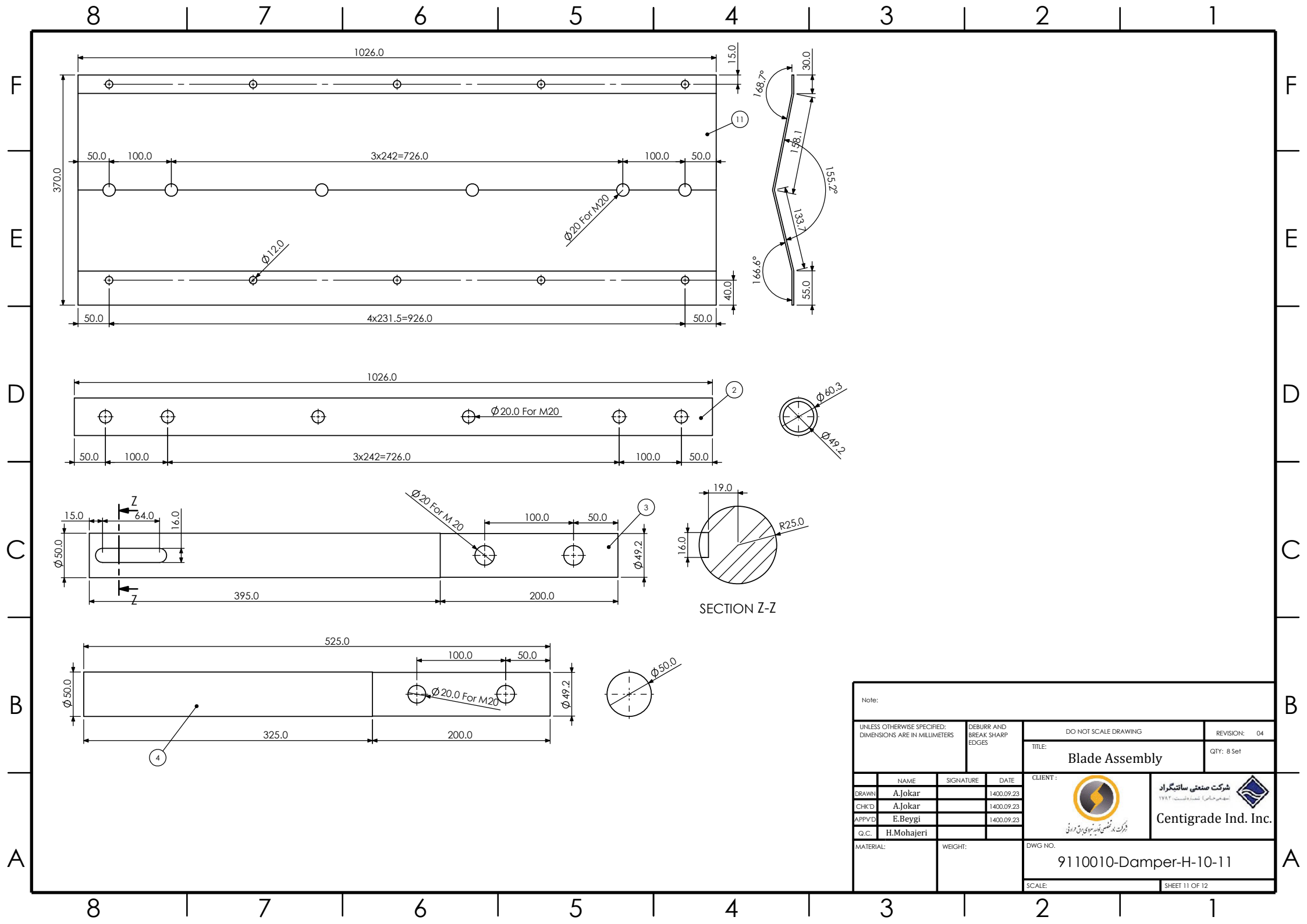
9110010-Damper-H-10-10


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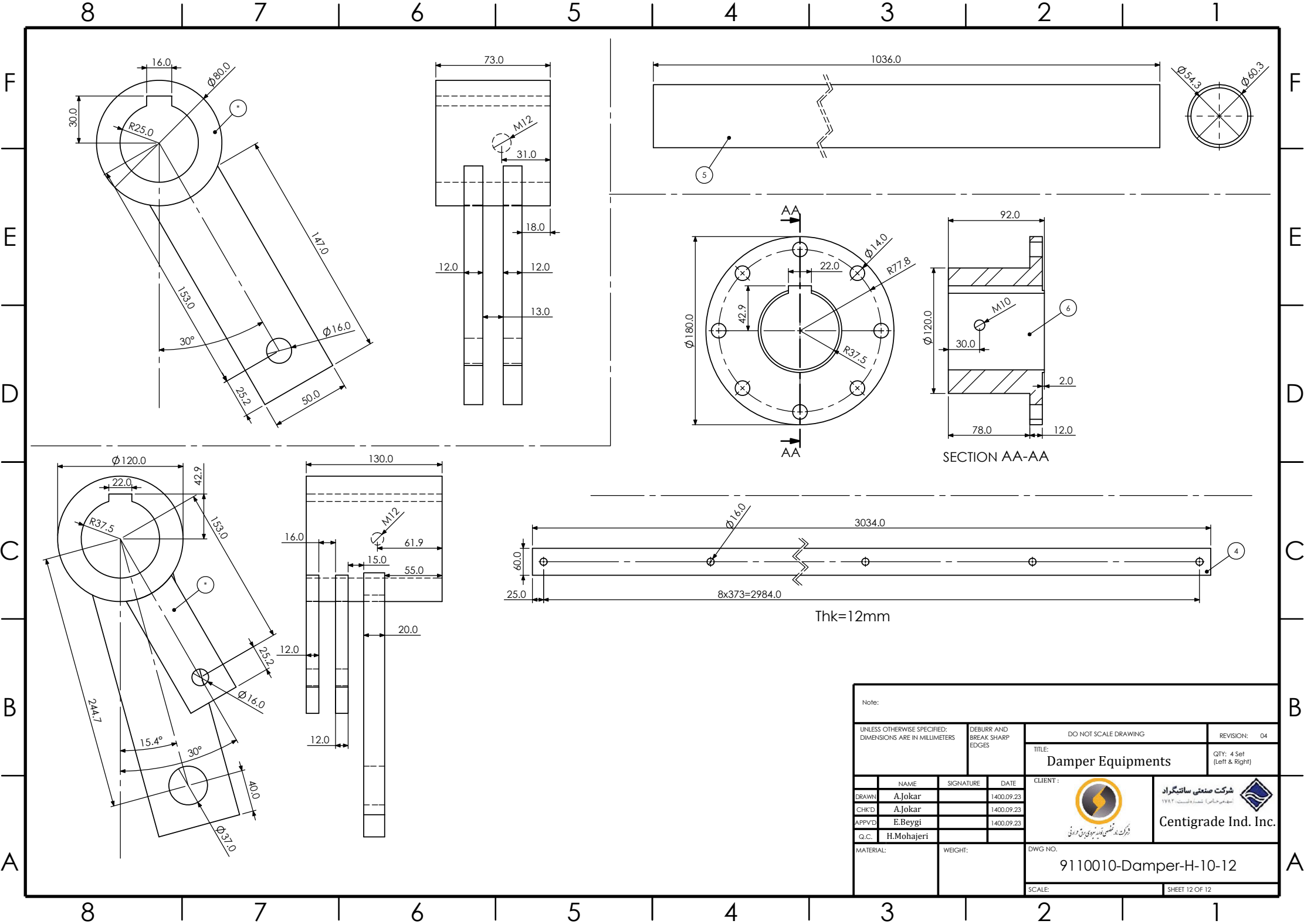
WEIGHT:



DWG NO.  
9110010-Damper-H-10-10

SCALE:  
SHEET 10 OF 12



Note:				DO NOT SCALE DRAWING		REVISION: 04
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		DEBURR AND BREAK SHARP EDGES		TITLE: <b>Blade Assembly</b>		QTY: 8 Set
DRAWN	NAME <b>A.Jokar</b>	SIGNATURE	DATE 1400.09.23	CLIENT :		
CHK'D	<b>A.Jokar</b>		1400.09.23	 شرکت صنعتی سانیگراد تهران - خیابان آیت الله العظمی بروجردی - پلاک ۱۷۸۲		
APPV'D	<b>E.Beygi</b>		1400.09.23			
Q.C.	<b>H.Mohajeri</b>			<b>Centigrade Ind. Inc.</b>		
MATERIAL:		WEIGHT:		DWG NO. <b>9110010-Damper-H-10-11</b>		
				SCALE: SHEET 11 OF 12		



Note:				DO NOT SCALE DRAWING		REVISION: 04
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS			DEBURR AND BREAK SHARP EDGES		TITLE: Damper Equipments	
DRAWN	A.Jokar	SIGNATURE	DATE	CLIENT :		QTY: 4 Set (Left & Right)
CHK'D	A.Jokar		1400.09.23	 شرکت صنعتی سانیگراد تهران، خیابان ولیعصر، پلاک ۱۷۸۲		 Centigrade Ind. Inc.
APPV'D	E.Beygi		1400.09.23			
Q.C.	H.Mohajeri			DWG NO.		9110010-Damper-H-10-12
MATERIAL:		WEIGHT:		SCALE:		SHEET 12 OF 12