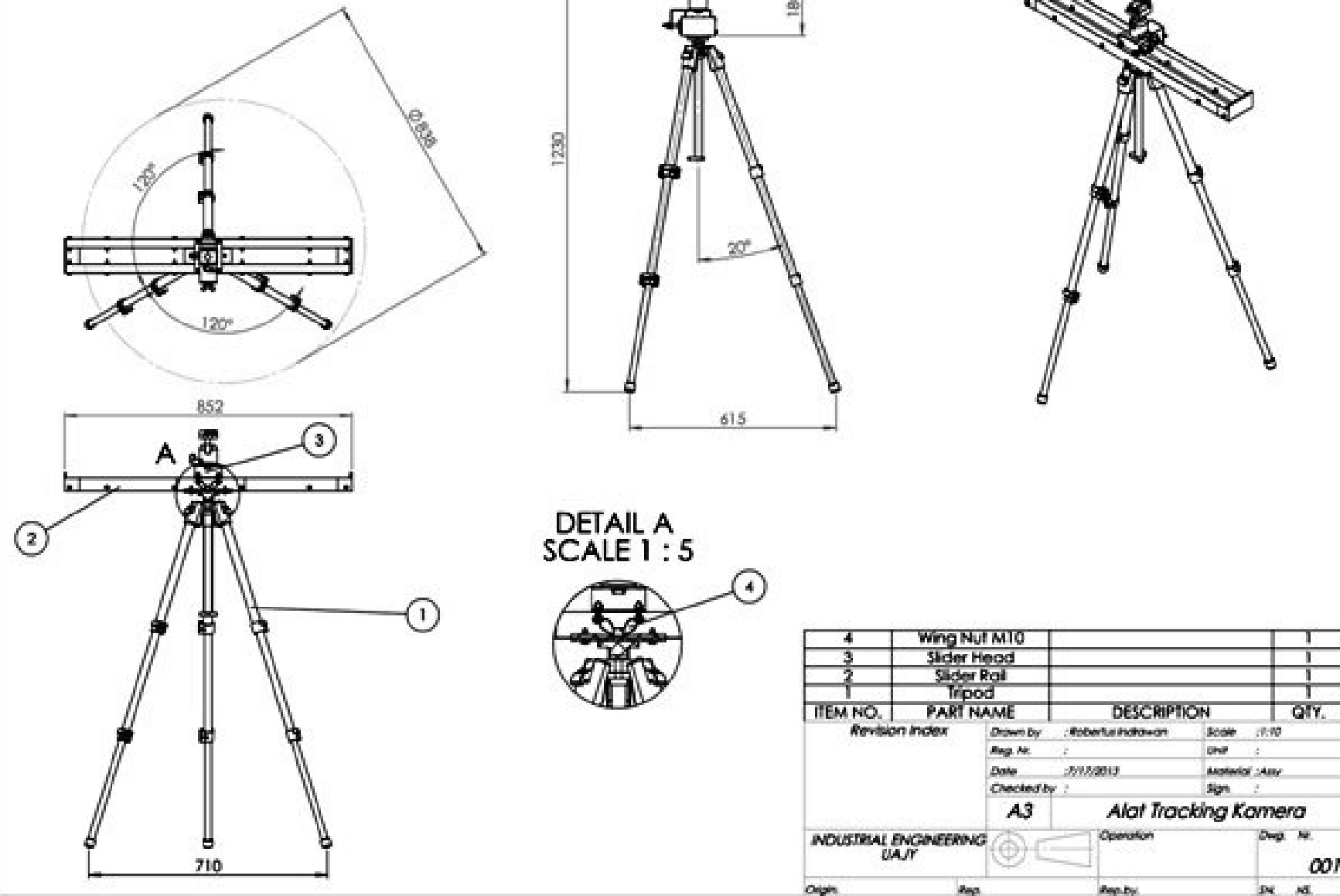
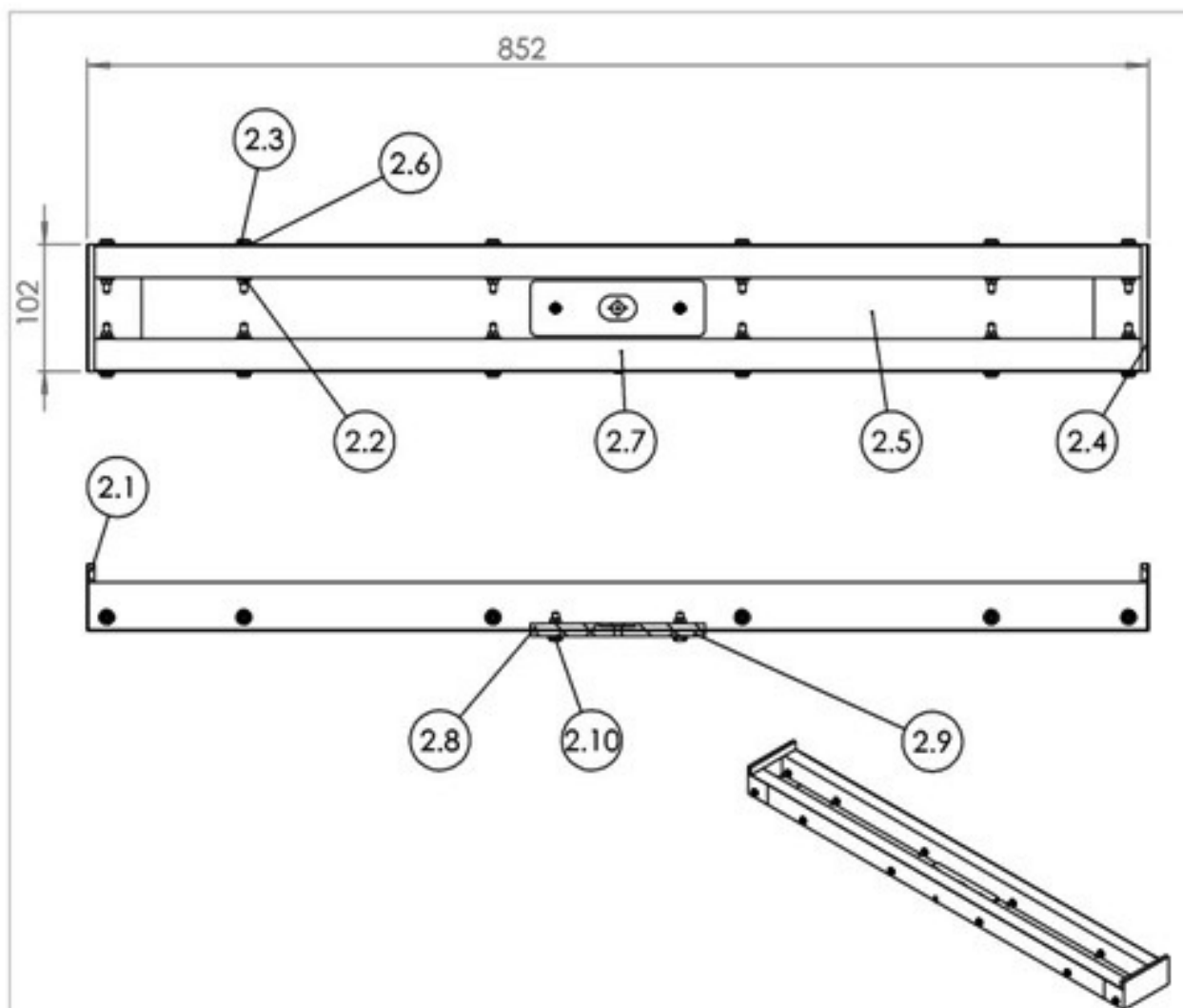


LAMPIRAN 1. Gambar





2.10	JP M5x20		2
2.9	Bottom Stiffener		1
2.8	Upper Stiffener		1
2.7	Rail		2
2.6	Ring M5		26
2.5	Rail Support		1
2.4	Stopper		2
2.3	JP M5x40		12
2.2	Nut M5		14
2.1	Rubber		2
ITEM NO.	PART NAME	DESCRIPTION	QTY.

Revision Index

Drawn by : Robertus Indrawan

Scale : 1:5

Reg. Nr. :

Unit : mm

Date : 7/17/2013

Material : Assy

Checked by :

Sign. :

A4

Slider Rail

INDUSTRIAL ENGINEERING
UAJY



Operation

Dwg. Nr.

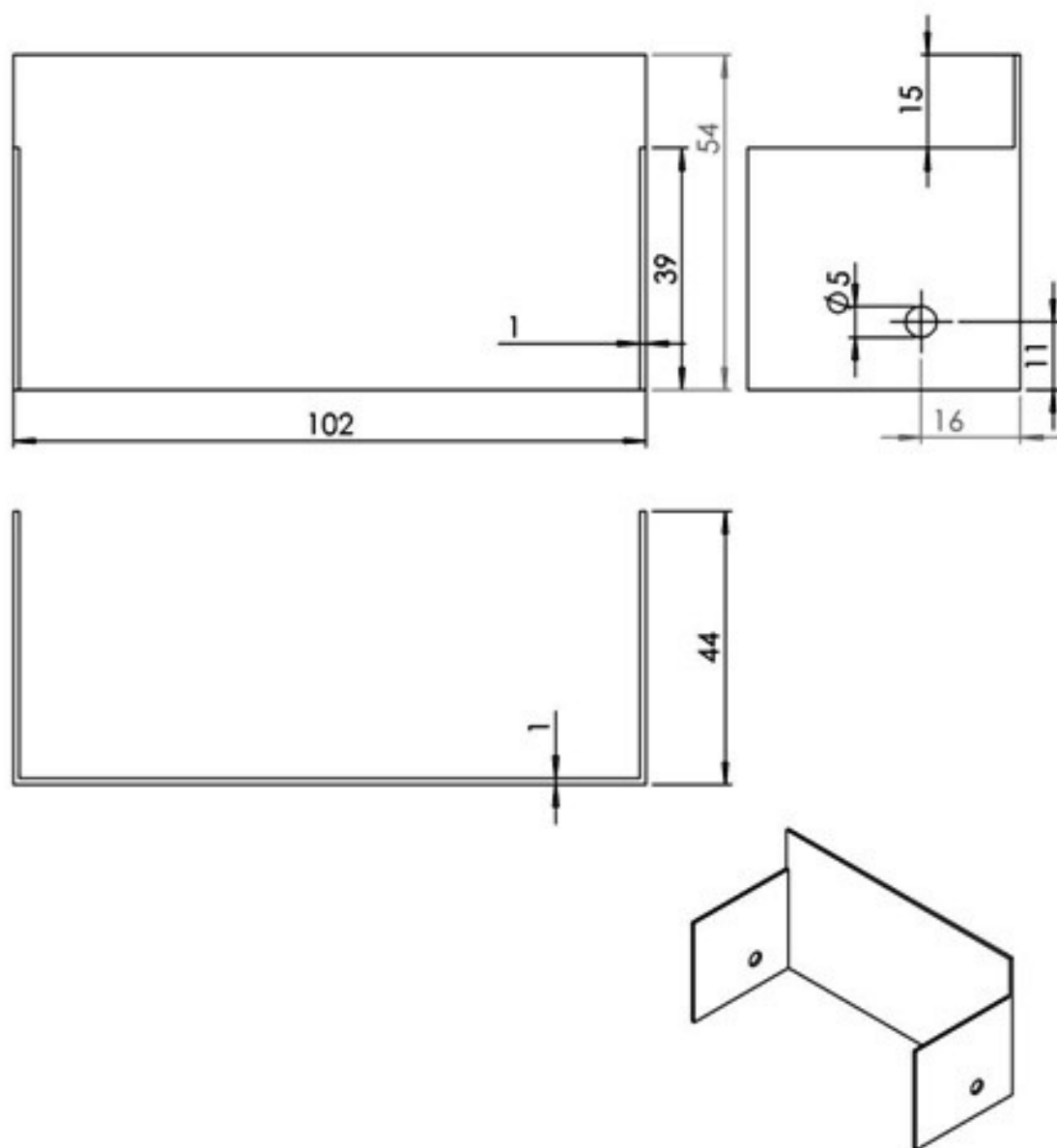
002

Origin.

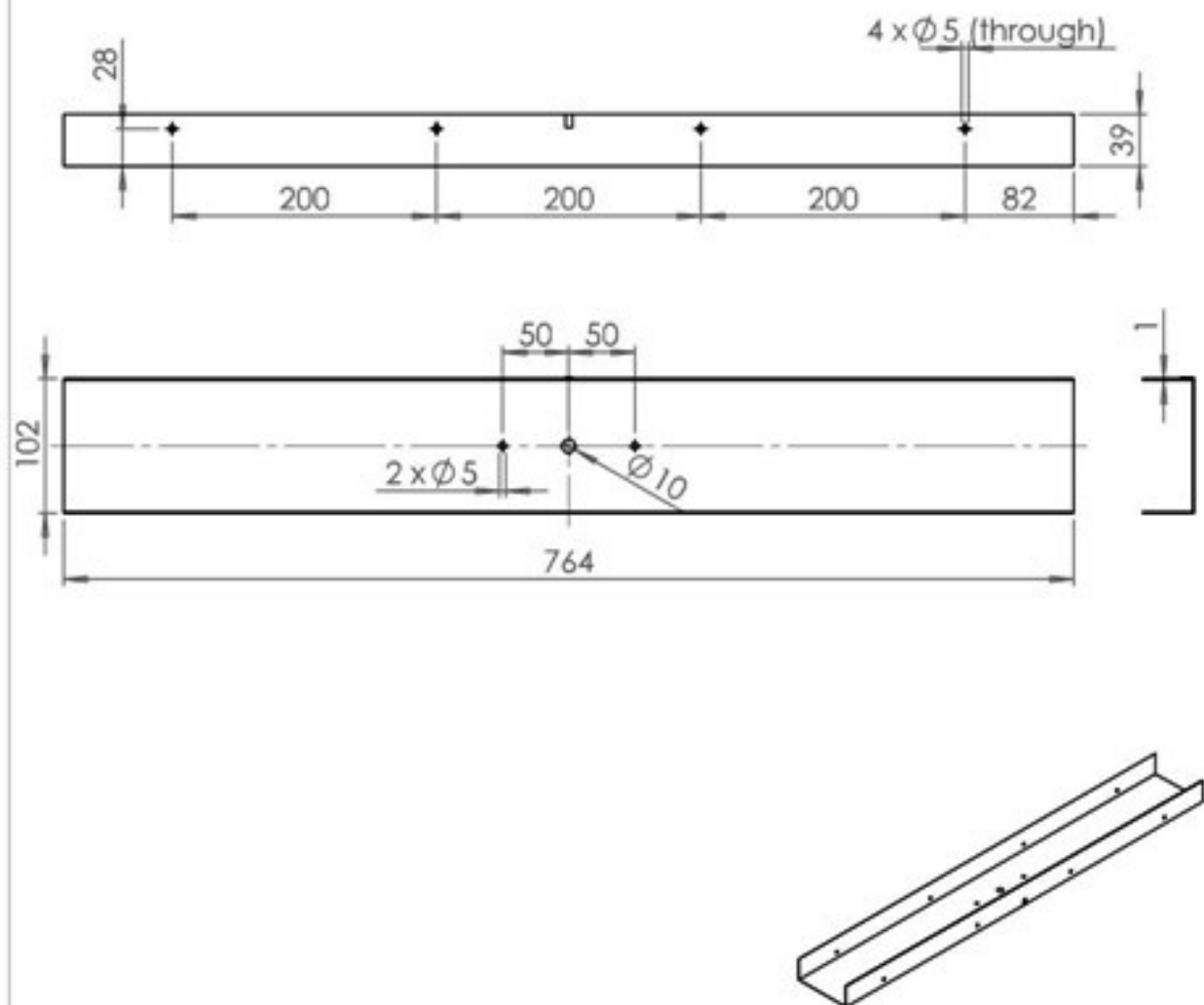
Rep.

Rep.by.

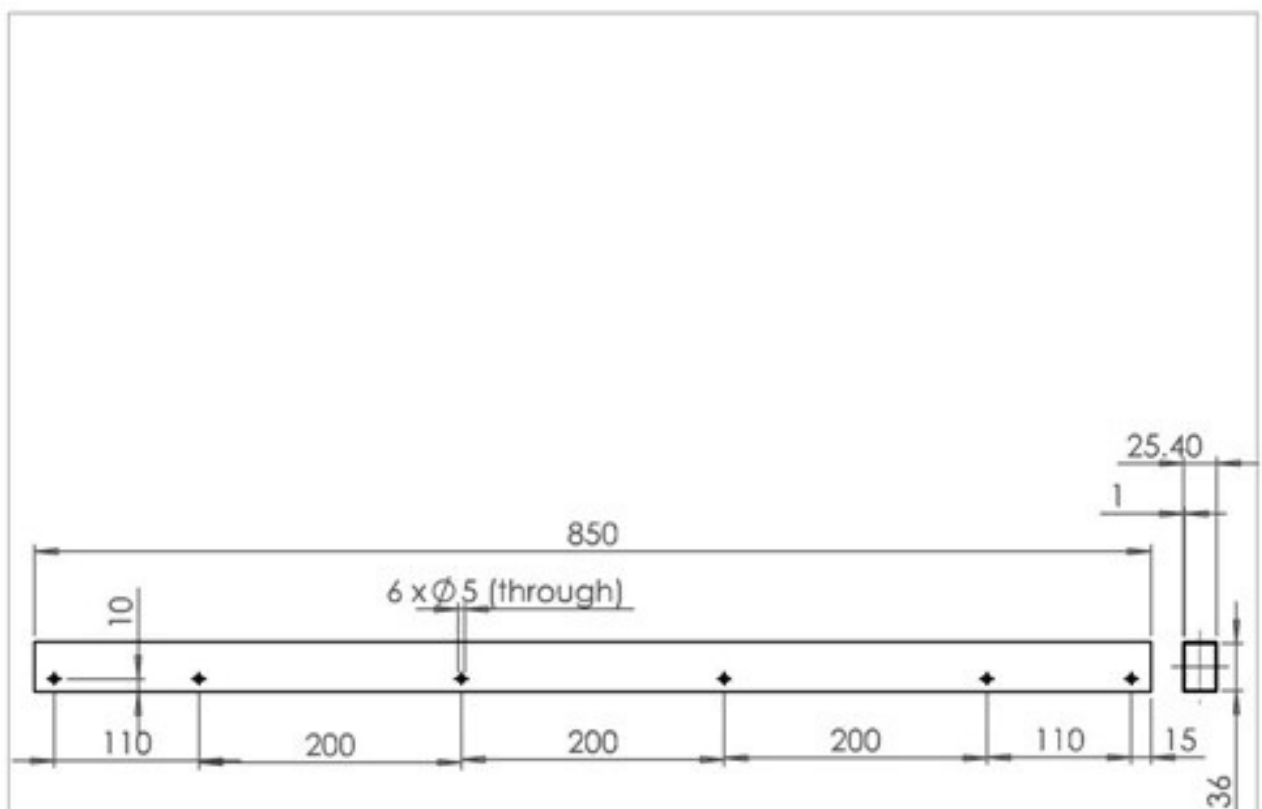
SN. NS.



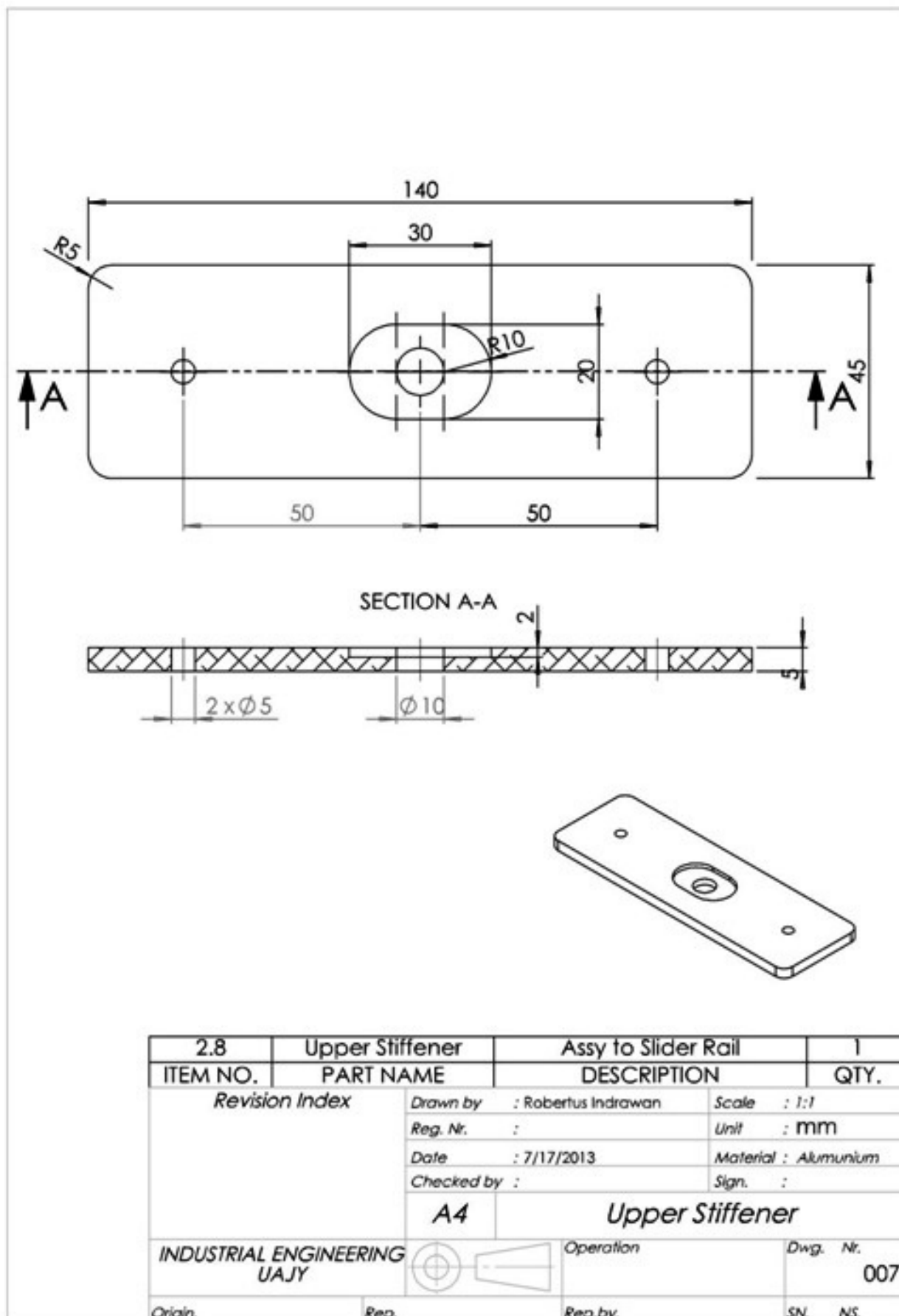
2.2	Stopper	Assy to Slaidar Rail	2
ITEM NO.	PART NAME	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:1
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Alumunium
		Checked by :	Sign. :
		A4	Stopper
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 004
Origin.	Rep.	Rep.by.	SN. NS.

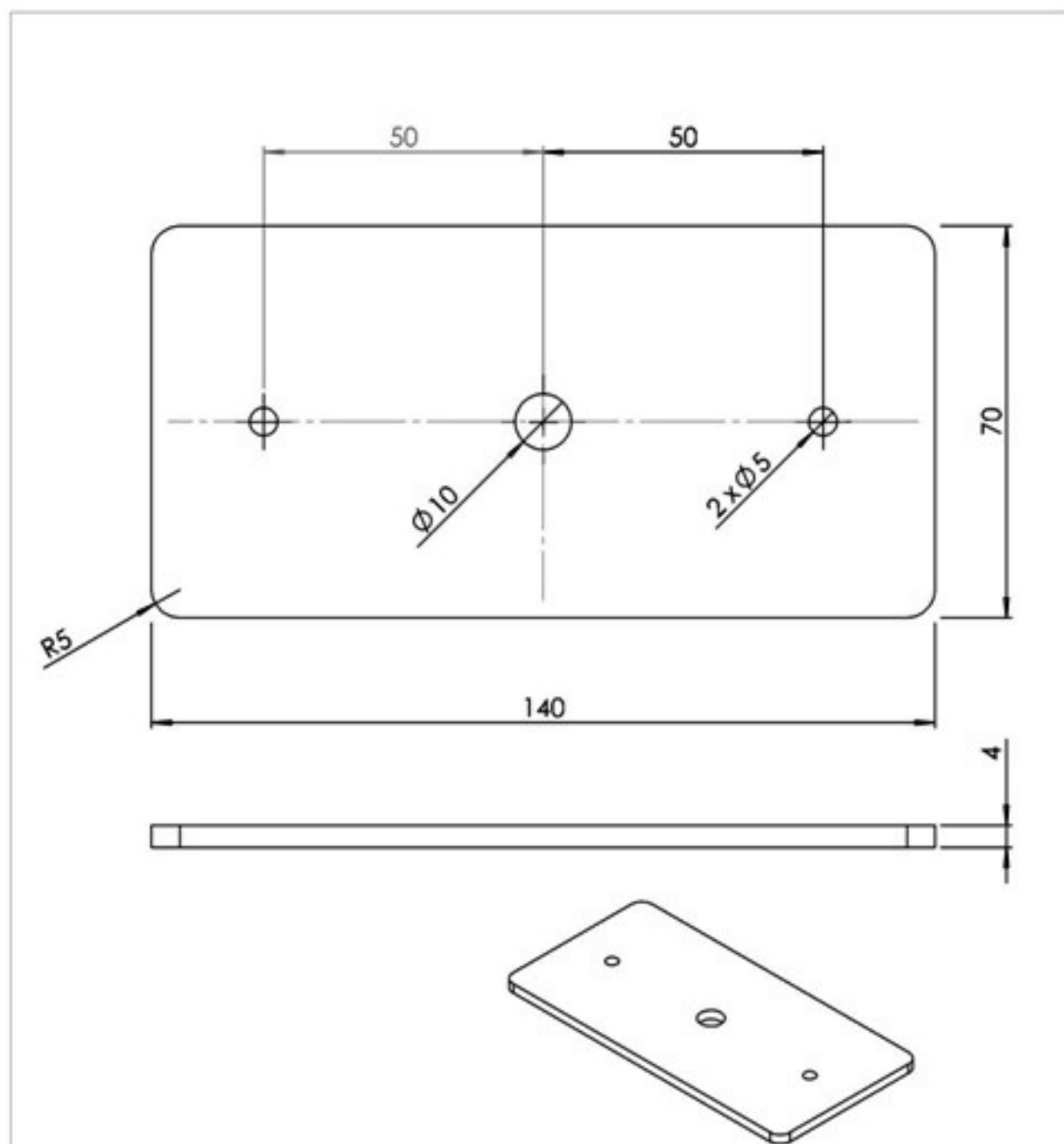


2.5	Rail Support	Assy to Slider Rail	1
ITEM NO.	PART NAME	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:5
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Aluminium
		Checked by :	Sign. :
		A4	Rail Support
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 005
Origin.	Rep.	Rep.by.	SN. NS.

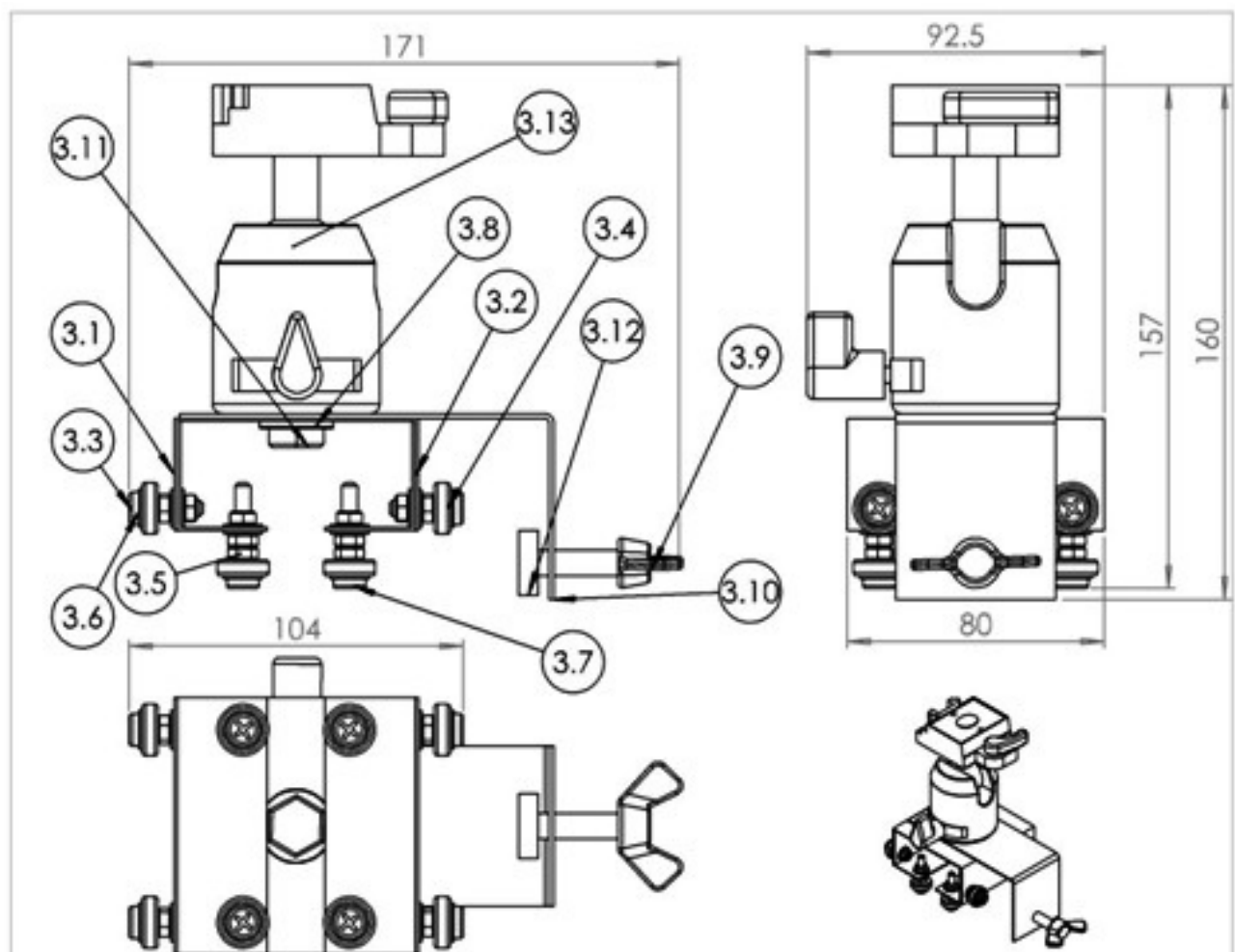


2.7	Rail	Assy to Slider Rail	2
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:5
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Alumunium
		Checked by :	Sign. :
		A4	Rail
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 006
Origin.	Rep.	Rep.by.	SN. NS.





2.10	Bottom Stiffener	Assy to Slider Rail	1
ITEM NO.	PART NAME	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:1
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Aluminium
		Checked by :	Sign. :
		A4	Bottom Stiffener
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 008
Origin.	Rep.	Rep.by.	SN. NS.



3.13	Ball Head		1
3.12	Slide Stopper		1
3.11	Hex Screw M10x30		1
3.10	Brake Plate		1
3.9	Wing Screw M8		1
3.8	Ring M10		1
3.7	JP M5x30		4
3.6	Ring M5		24
3.5	Nut M5		20
3.4	Bearing ABS 635z		8
3.3	JP M5x20		4
3.2	Slider Support		2
3.1	Slider Plate		1
ITEM NO.	PART NAME	DESCRIPTION	QTY.

Revision Index

Drawn by : Robertus Indrawan

Scale : 1:2

Reg. Nr. :

Unit : mm

Date : 7/17/2013

Material : Assy

Checked by :

Sign. :

A4

Slider Head

INDUSTRIAL ENGINEERING
UAJY

Operation

Dwg. Nr.

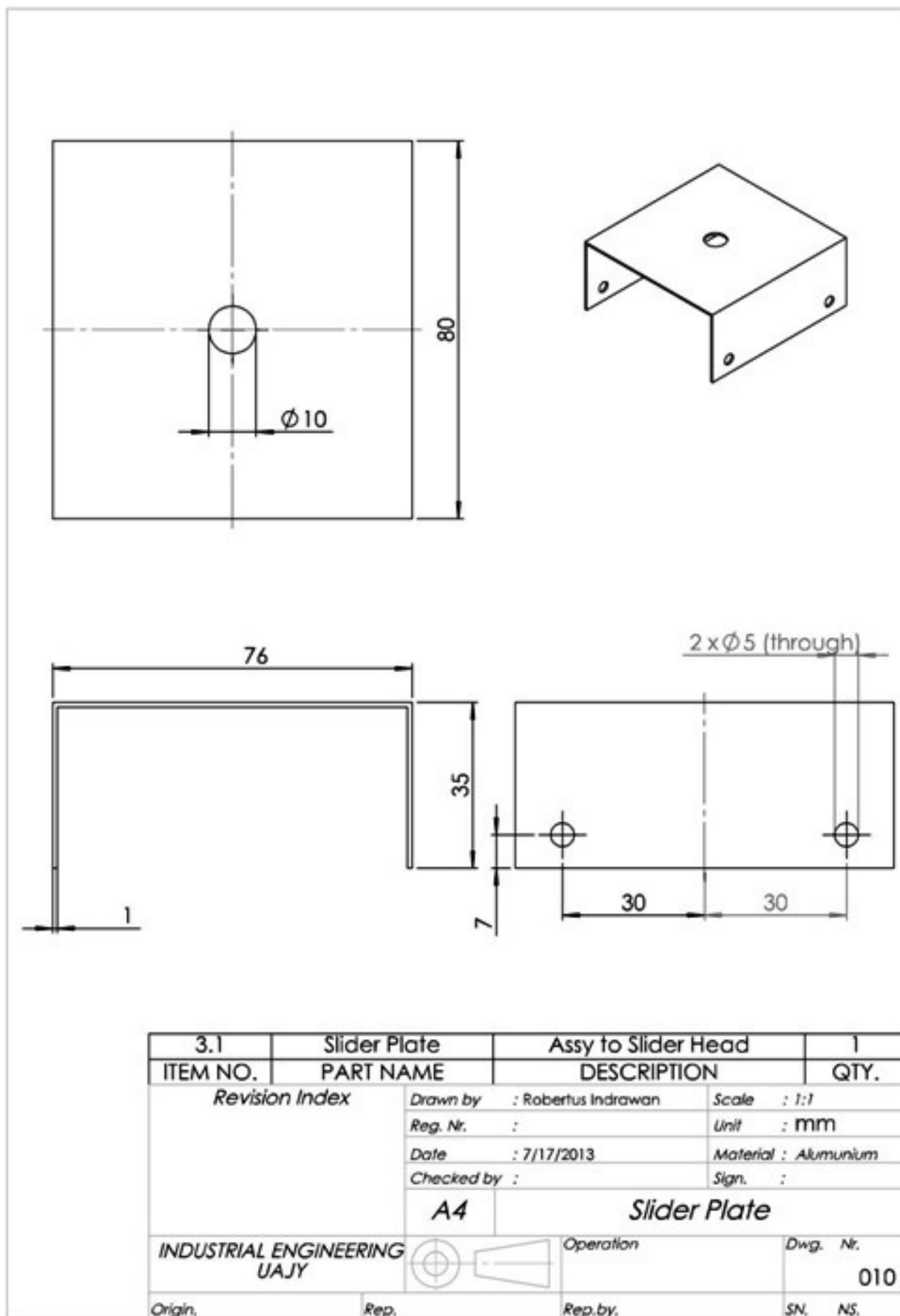
009

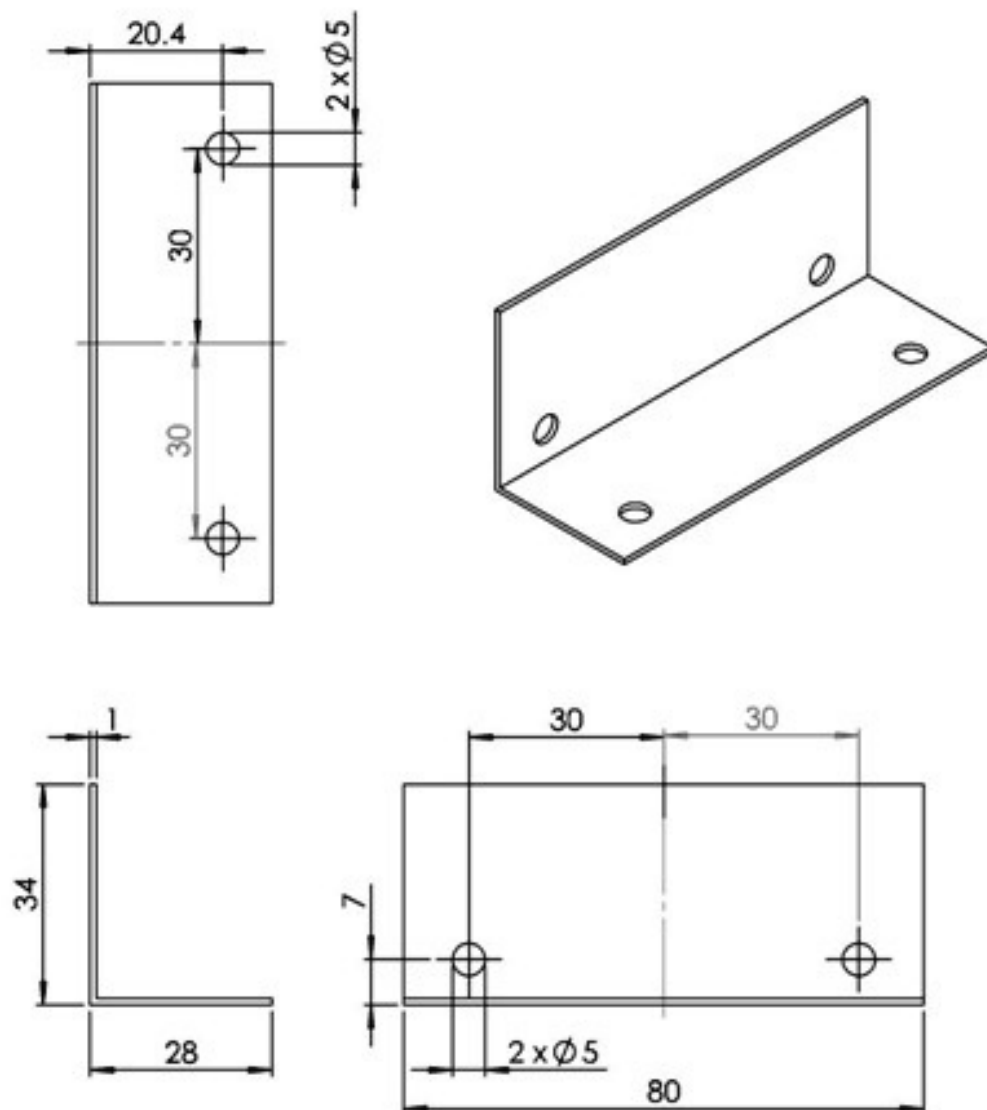
Origin.

Rep.

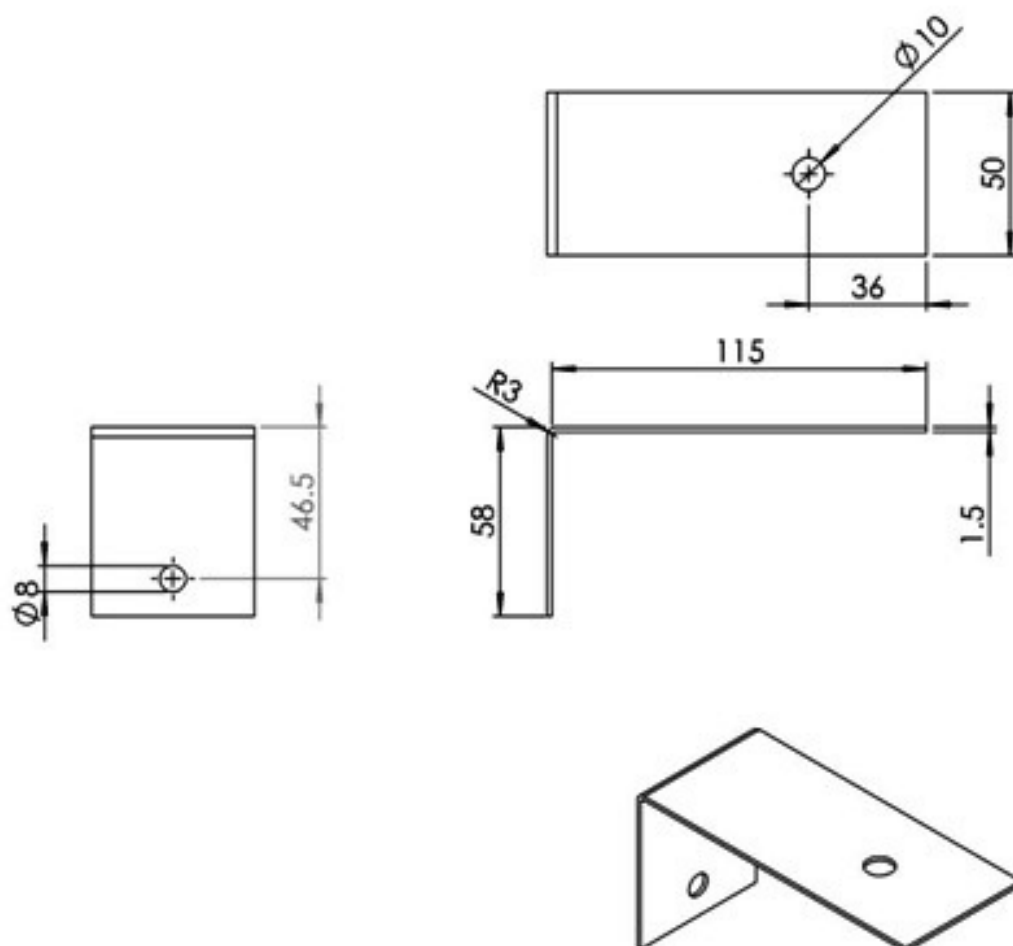
Rep.by.

SN. NS.

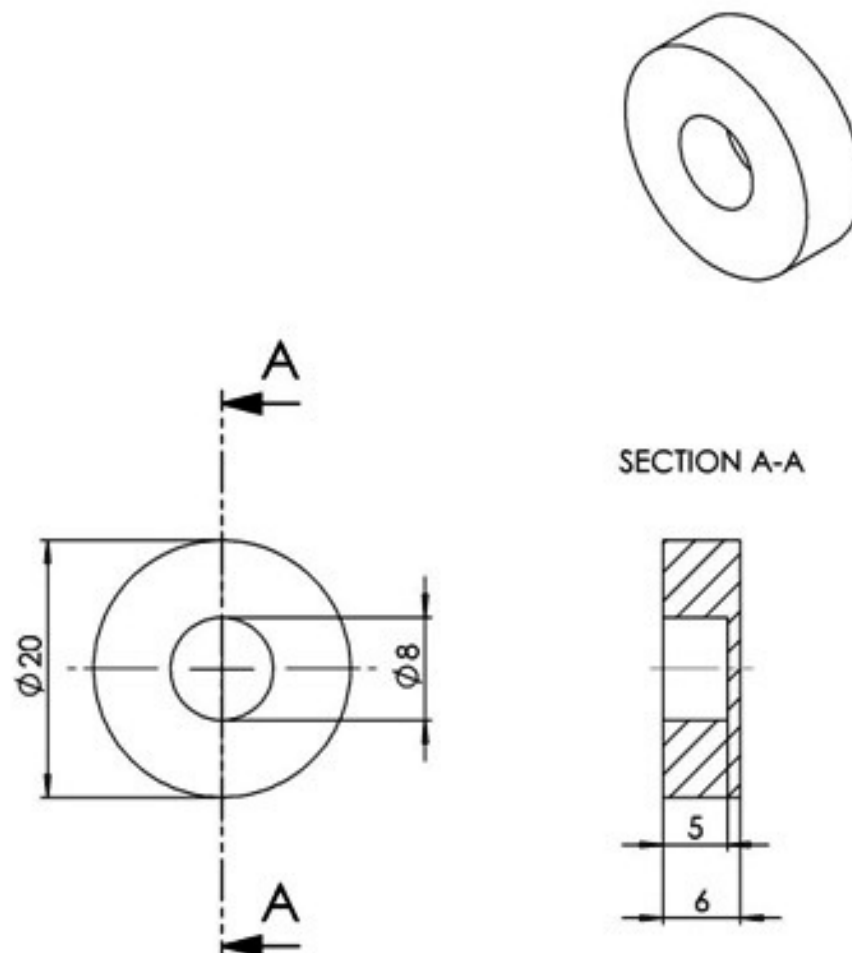




3.2	Slider Support	Assy to Slider Head	2
ITEM NO.	PART NAME	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:1
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Alumunium
		Checked by :	Sign. :
		A4	Slider Support
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 011
Origin.	Rep.	Rep.by.	SN. NS.



2.10	Brake Plate	Assy to Slider Head	1
ITEM NO.	PART NAME	DESCRIPTION	QTY.
Revision Index		Drawn by : Robertus Indrawan	Scale : 1:2
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Alumunium
		Checked by :	Sign. :
		A4	Brake Plate
INDUSTRIAL ENGINEERING UAJY		Operation	Dwg. Nr. 012
Origin.	Rep.	Rep.by.	SN. NS.



2.12	Slide Stopper	Assy to Slider Head	1
ITEM NO.	PART NAME	DESCRIPTION	QTY.
<i>Revision Index</i> INDUSTRIAL ENGINEERING UAJY		Drawn by : Robertus Indrawan	Scale : 2:1
		Reg. Nr. :	Unit : mm
		Date : 7/17/2013	Material : Rubber
		Checked by :	Sign. :
		A4	Slide Stopper
		Operation	Dwg. Nr. 013
Origin.	Rep.	Rep.by.	SN. NS.

Lampiran 2. Pengujian Dimensi Anthropometri Sampel Data

Keterangan : Data Lebar Bahu (LBH)

Keterangan	%	Nilai
Tingkat keyakinan	95	2
Tingkat ketelitian	5	0.05
K/S		40

Tabel Perhitungan Harga Rata - rata Subgroup

Jumlah Subgroup = $1 + 3.3 \log n$
 Jumlah data (n) = 24
 Jumlah Subgroup = 5.554697 » 6

Subgroup	Data (Xi)					Rerata-rata	Keterangan
1	41.3	36.5	41.5	34	42	39.06	seragam
2	49	43.5	40	40.2	44.5	43.44	seragam
3	41.5	34	42	49	43.5	42	seragam
4	47	42	44	35.5	46	42.9	seragam
5	42	33.5	38	43	38	38.9	seragam
6	36.5	47	41.6	38	49.5	42.52	seragam
Jumlah Rata - Rata Subgroup						248.82	
Total Xi						1244.1	
Total Xi ²						1547784.81	

Harga Rata - Rata Subgroup 41.47
 Standard Deviasi 4.4989

(Xi) ²				
1705.69	1332.25	1722.25	1156	1764
2401	1892.25	1600	1616.04	1980.25
1722.25	1156	1764	2401	1892.25
2209	1764	1936	1260.25	2116
1764	1122.25	1444	1849	1444
1332.25	2209	1730.56	1444	2450.25
Total (Xi) ²				52179.79

UJI KESERAGAMAN DATA

Std

rata2 2.011969

Batas Kendali Bawah 35.43409

Batas

Kendali Atas 47.50591

Keterangan : Data Seragam

UJI KECUKUPAN DATA

Nilai N

Hitungan 18.20293

Keterangan : Data Cukup

NILAI

PERCENTIL

Percentil 5% 34

Percentil 50% 41.8

Percentil 95% 49

Keterangan : Data Jangkauan Tangan (JKT)

Keterangan	%	Nilai
Tingkat keyakinan	95	2
Tingkat ketelitian	5	0.05
K/S		40

Tabel Perhitungan Harga Rata - rata Subgroup

Jumlah Subgroup = $1 + 3.3 \log n$

Jumlah data (n)

= 30

Jumlah Subgroup

= 5.8745 » 6

Subgroup	Data (Xi)					Rerata-rata	Keterangan
1	80	77.2	83.3	70.5	80	78.2	seragam
2	82	85.8	81.5	80	82	82.26	seragam
3	77	78	79.5	82.3	73	77.96	seragam
4	81	81	82	76	82	80.4	seragam
5	78	66	71.8	77	66	71.76	seragam
6	74	87	82.3	61	84	77.66	seragam
Jumlah Rata - Rata Subgroup						468.24	
Total Xi						2341.2	
Total Xi^2						5481217.44	

Harga Rata - Rata Subgroup 78.04

Standard Deviasi 6.076217

$(\text{Xi})^2$				
6400	5959.84	6938.89	4970.25	6400
6724	7361.64	6642.25	6400	6724
5929	6084	6320.25	6773.29	5329
6561	6561	6724	5776	6724
6084	4356	5155.24	5929	4356
5476	7569	6773.29	3721	7056
Total $(\text{Xi})^2$				183777.94

UJI KESERAGAMAN DATA

Std rata2 2.717367
Batas Kendali Bawah 69.8879
Batas
Kendali Atas 86.1921

Keterangan : **Data Seragam**

UJI KECUKUPAN DATA

Nilai N
Hitungan 9.376241

Keterangan : **Data Cukup**

NILAI

PERCENTIL

Percentil 5% 66
Percentil 50% 80
Percentil 95% 84.99

Lampiran 3.

Elevent Point Score

Skor	Penilaian
0	Solusi yang benar-benar tidak berguna
1	Solusi yang tidak mencukupi
2	Solusi yang sangat buruk
3	Solusi yang buruk
4	Solusi yang masih dapat diolernasi
5	Solusi yang mencukupi
6	Solusi yang memuaskan
7	Solusi yang baik
8	Solusi yang sangat baik
9	Solusi yang unggul
10	Solusi yang sempurna atau ideal

Form Angket Penilaian Uji Alat

No	Atribut	Keterangan	Nilai	Mean
1	Fungsi terpenuhi	Panjang slider memenuhi kebutuhan		
		Kualitas hasil gerakan slider baik		
2	Kinerja mudah	Alat mudah dibawa, tidak berat, dan <i>packing simple</i>		
		Alat mudah digunakan karena <i>assembly</i> mudah		
3	Desain Inovatif	Punya keunggulan tersendiri		
4	Faktor keamanan terpenuhi	Resiko mencederai kecil, sambungan dan rangka kuat		
		Resiko kerusakan kecil, kamera harus <i>balance</i>		
		Resiko kesalahan penggunaan kecil, alat mudah dioperasikan		
5	Harga produksi murah	Penggunaan standar part		
		Penggunaan material murah		
		Pemilihan konstruksi yang sederhana		