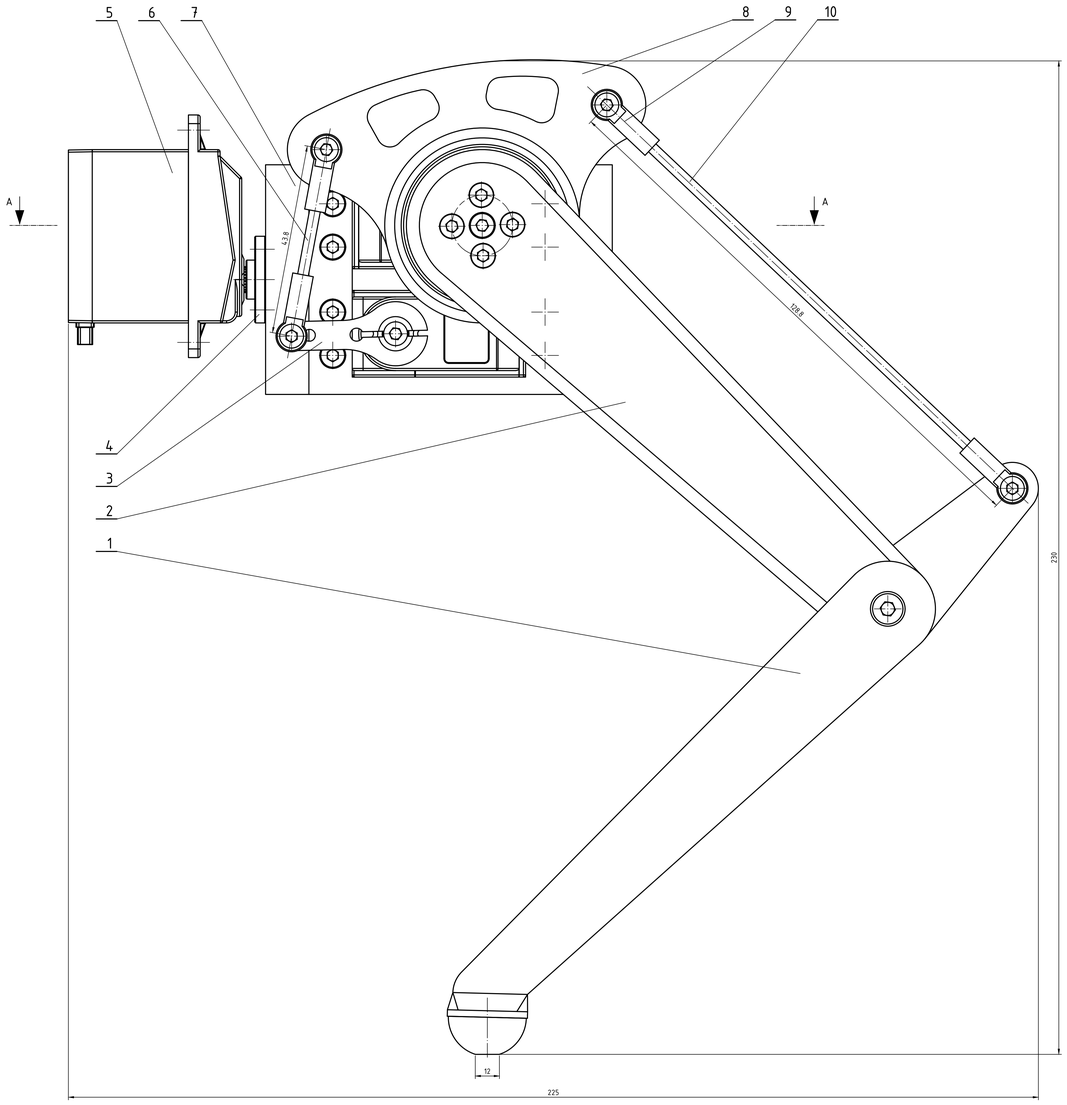
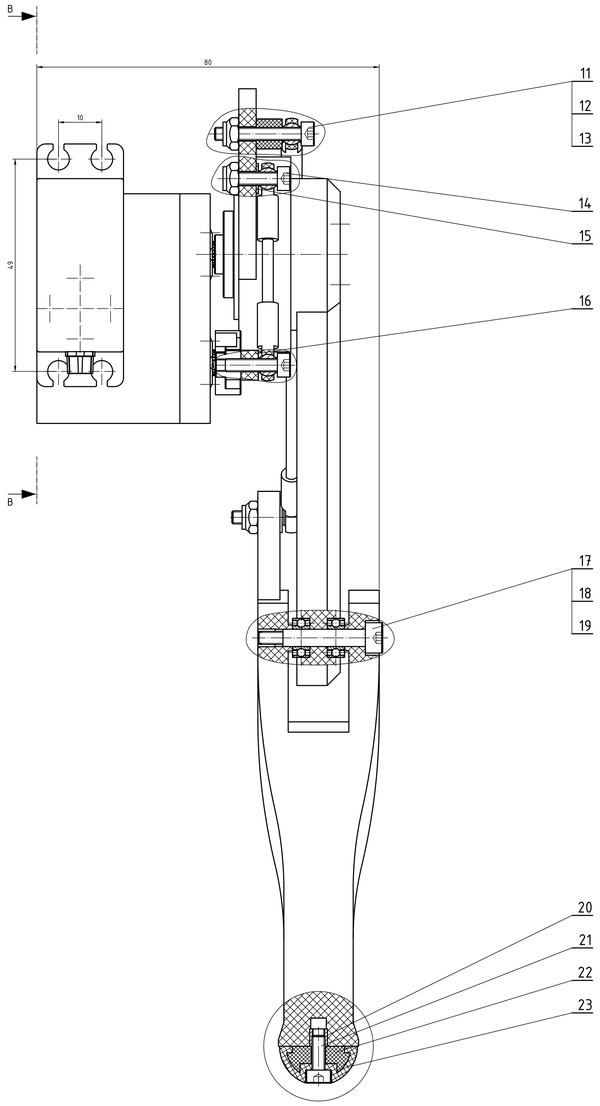
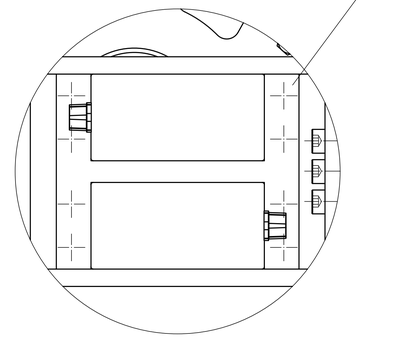


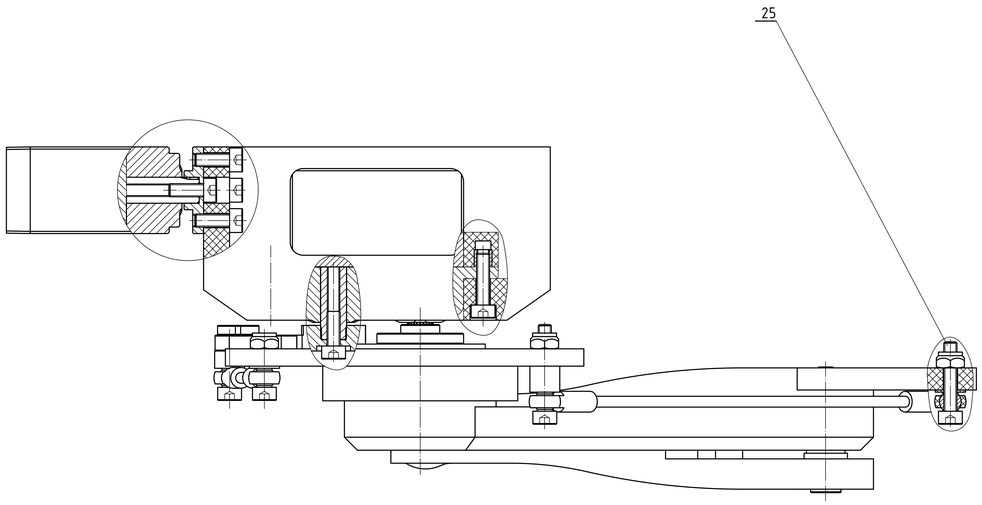


B-B
Scale 1:1

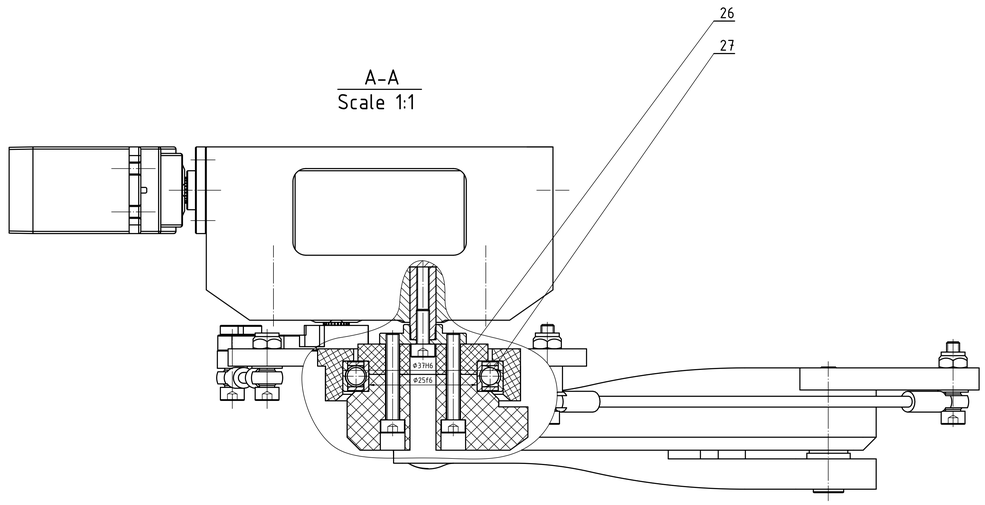


TECHNICAL REQUIREMENTS:

1. UNIT: MM
2. INSTALL ALL THREADED INSERTS USING SOLDERING IRON
3. START ASSEMBLING FROM THE HIP SERVO AND DISC TO THE SERVO HUB
4. CONNECT TWO SERVOS TO THE H-SHAPED CONNECTOR AS SHOWN SECTION B-B
5. FOR THE LEG LINKAGE, INSTALL TWO THRUST BEARINGS ON THE UPPER LEG BEFORE CONNECTING IT THE THE LOWER LEG



A-A
Scale 1:1



No.	Symbol	Name	Q.ty	Material	Notation
27	214-0322	6805 Ball Bearing	1		Misumi
26	L.BL.2.3	Servo Disc Washer	1	PLA	Workshop
25	TM3I4-18	M3x18 Socket Head Screw	1	Inox 304	Ocvitmin
24	L.BL.1.2	Servo Connector H-shaped	1	PLA	Workshop
23	L.BL.2.8	Feet Silicon Casing	1	Silicone	Workshop
22	L.BL.2.7	Feet Bone	1	PLA	Workshop
21	TM3I4-8	M3x8 Socket Head Screw	8	Inox 304	Ocvitmin
20	3TD3-4.1-4	M3x4.1x4 Threaded Insert	9	Brass	Ocvitmin
19	4TD4-6-4	M4x6x4 Threaded Insert	2	Brass	Ocvitmin
18	221000058378	628ZZ Ball Bearing	2		Misumi
17	TS416-25	M4x25 Socket Shoulder Screw	1	Inox 304	Ocvitmin
16	N3R4-4	M3x4 Plastic Spacer	1		Ocvitmin
15	VDTM3-7-0.5	M3x0.5 Flat Washer	2	Inox 304	Ocvitmin
14	TM3I4-12	M3x12 Socket Head Screw	10	Inox 304	Ocvitmin
13	UM3KL	M3 Torque Prevailing nut	3	Inox 304	Ocvitmin
12	N3R4-6	M3x6 Plastic Spacer	1		Ocvitmin
11	TM3I4-20	M3x20 Socket Head Screw	5	Inox 304	Ocvitmin
10	L.BL.2.6	M3x120 Metal Link	1	Stainless steel	Workshop
9	59935K13	M3 RC Rod End	4		McMASTER-CARR
8	L.BL.2.4	Cam Link	1	PLA	Workshop
7	L.BL.1.1	Servo hub	1	PLA	Workshop
6	L.BL.2.5	M3x35 Metal Link	1	Stainless steel	Workshop
5	3918565933	SPTS435LV RC Servo	3		SPT-SERVO
4	YOI0	25T Metal Servo Disc	2	Aluminium	Nshopvn
3	CD04	25T Metal Servo Arm	1	Aluminium	Nshopvn
2	L.BL.2.1	Upper leg	1	PLA	Workshop
1	L.BL.2.2	Lower leg	1	PLA	Workshop

DESIGN OF QUADRUPED ROBOT

Capstone Project

Func.	Full name	Sign	Date
Design	P.D.K.Nguyen		15/05
Instruct.	L.D.Hanh		
Approve.	L.D.Hanh		

BACK-LEFT LEG MODULE

Capstone Project

Quantity	Weight	Scale
1		2:1

Sheet: 2 | Total sheet: 5

HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY
FACULTY OF MECHANICAL ENGINEERING
CLASS CC19CDT1