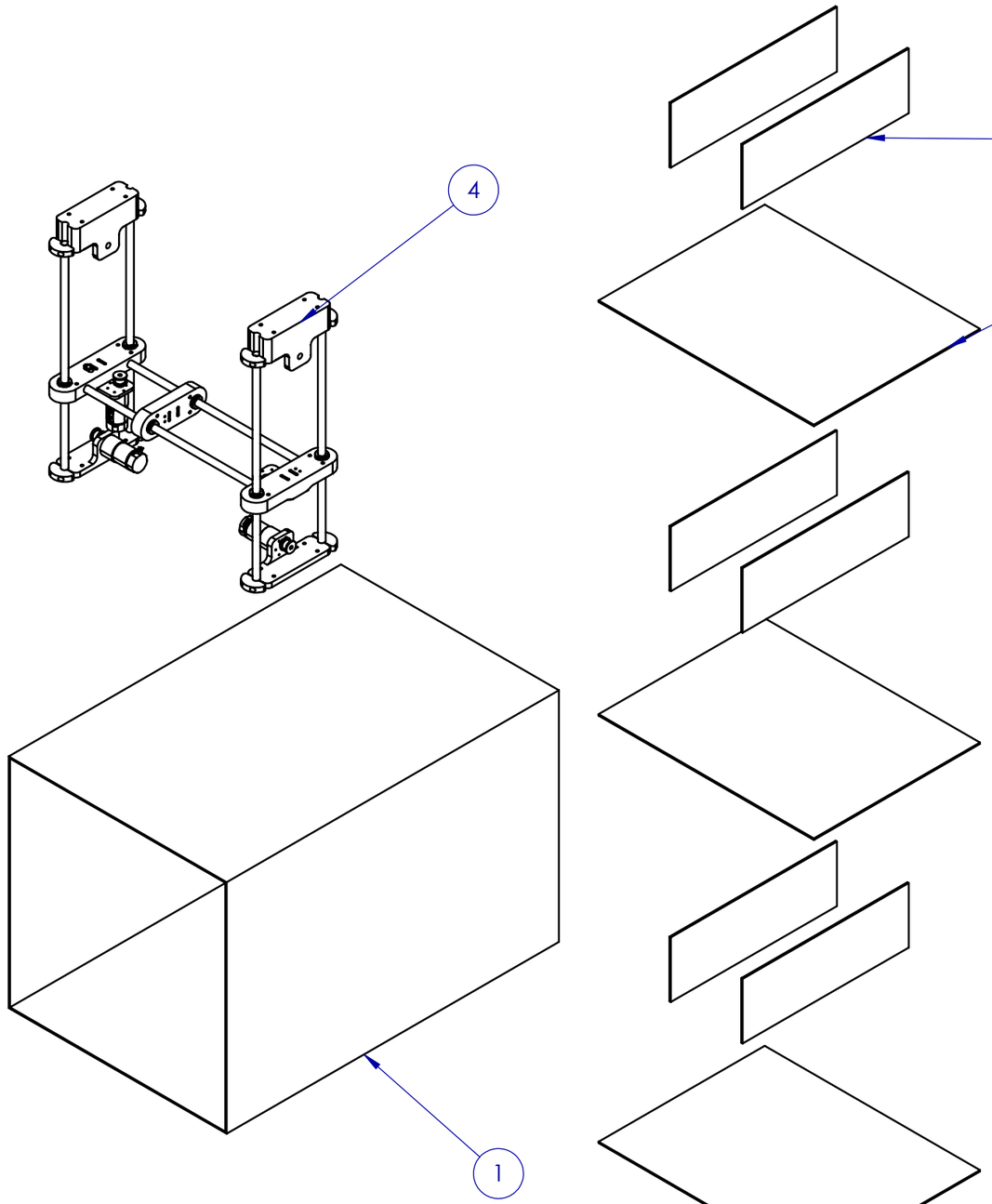
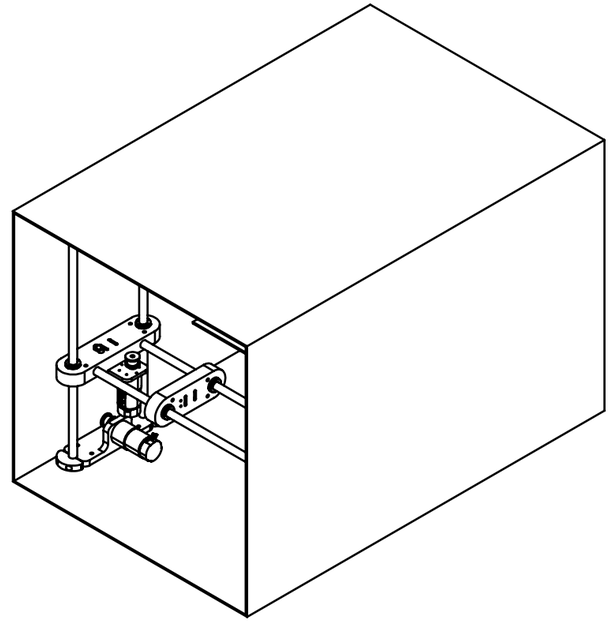
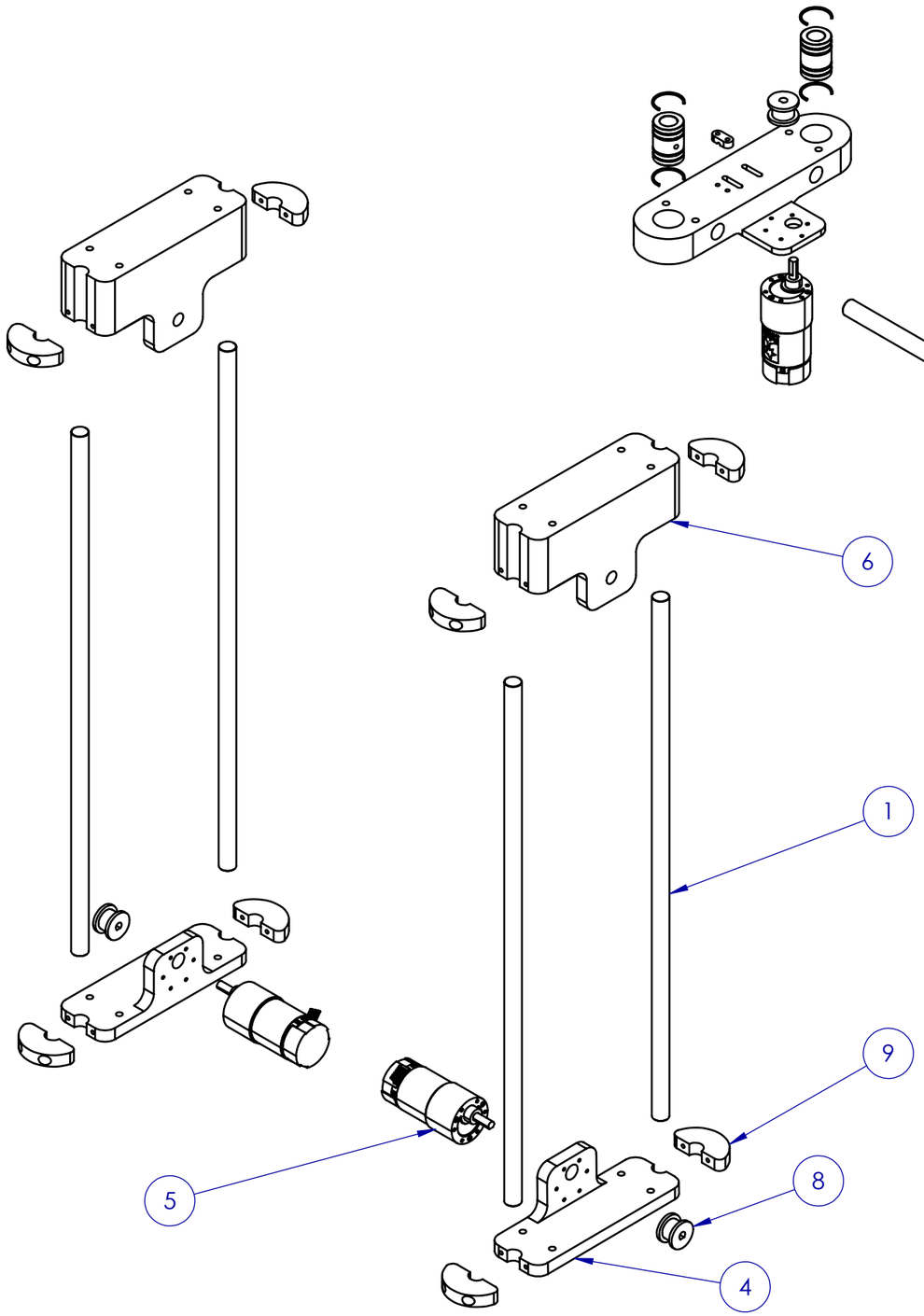




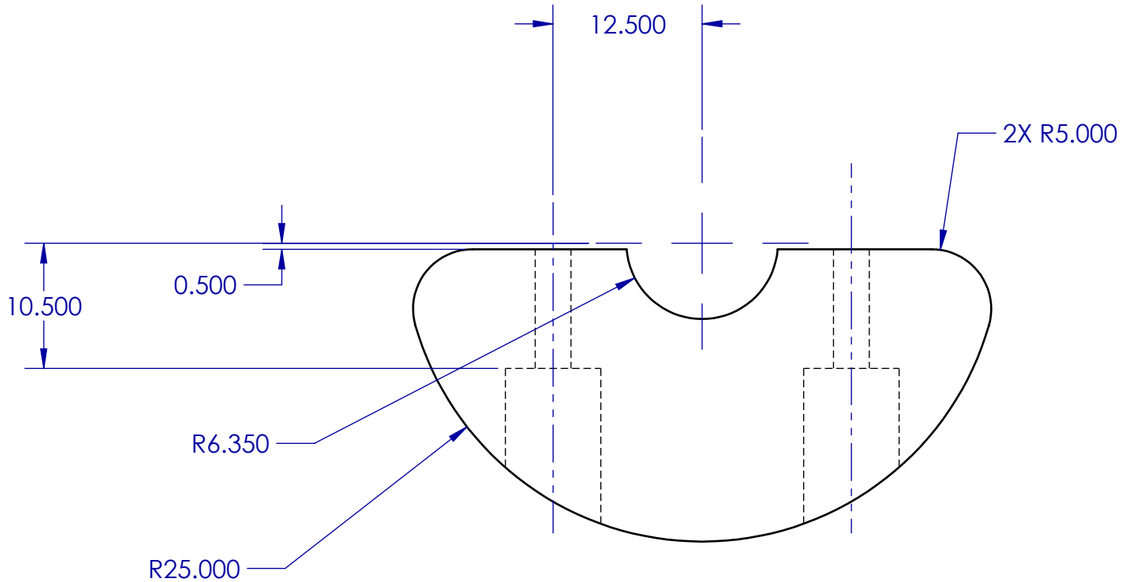
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	100000	Collection Rover Body	1
2	140000	shelf wall	6
3	130000	shelf plate	3
4	110000	VP Elevator	1

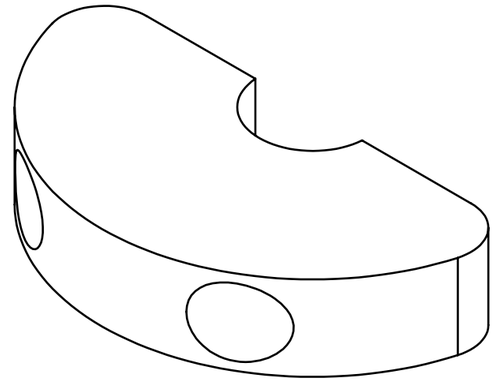
Cal Poly Mechanical Engineering			Title:Collection Rover	Drwn. By: ANTONY CHEN
	Dwg. #: E100000		Date:2/4/2026 Scale: 1:9	Chkd. By: Antony Chen

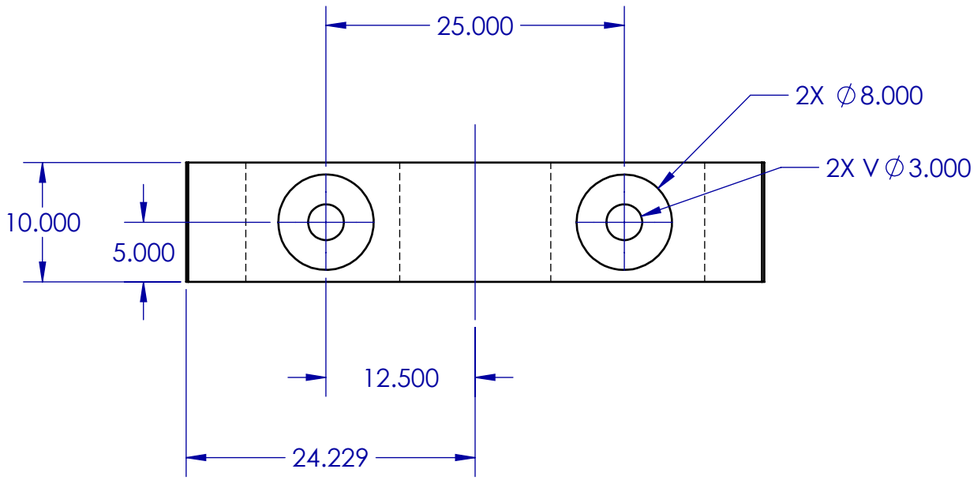


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	112000	Linear Motion Shaft	6
2	113000	High-Speed Linear Sleeve Bearing	6
3	114000	External Retaining Ring	12
4	118000	Rails Bottom Mount	2
5	111000	37d-gearmotor-100-131-150-encoder	3
6	119000	Rails Top Mount	2
7	116000	Bearing Mount	2
8	11A000	Spool	3
9	117000	Clamp	8
10	111000	Bearing Arm Mount	1
11	11B000	String Clamp	2

Cal Poly Mechanical Engineering			Title:VP Elevator		Drwn. By: ANTONY CHEN
	Dwg. #: E110000		Date:2/4/2026	Scale: 1:4	Chkd. By: Antony Chen

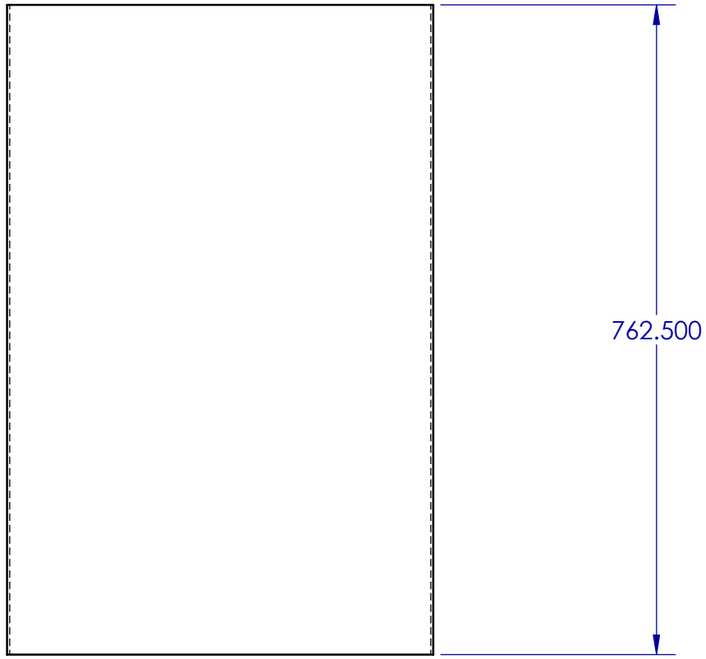


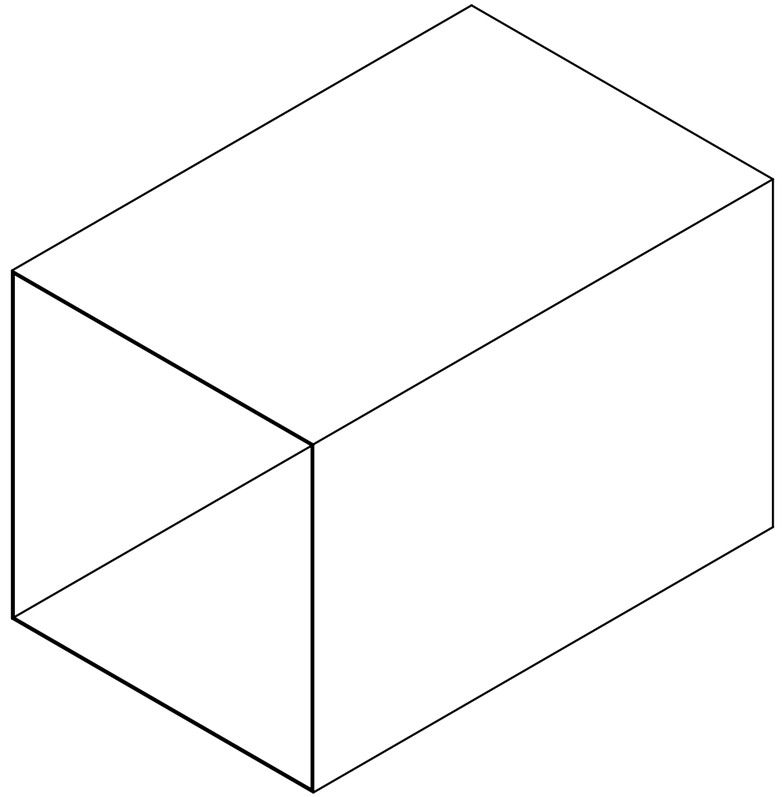


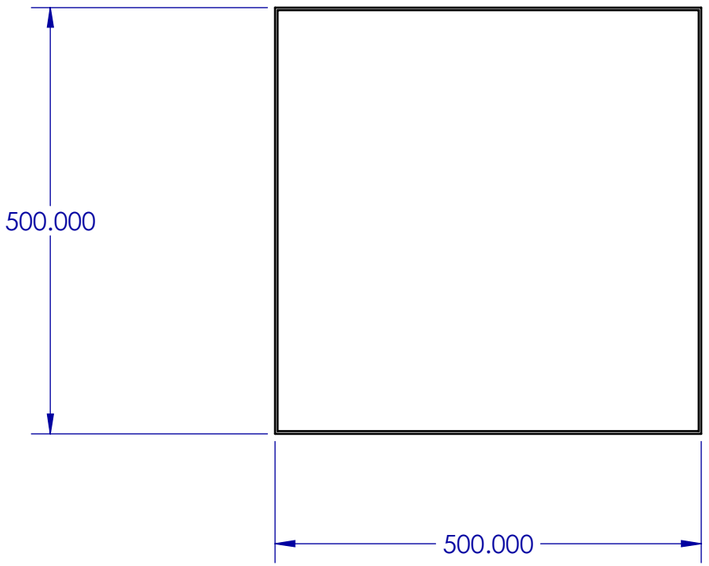


NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Clamp		Drwn. By: ANTONY CHEN
	Dwg. #: 117000		Date:2/4/2026	Scale: 2:1	Chkd. By: Antony Chen

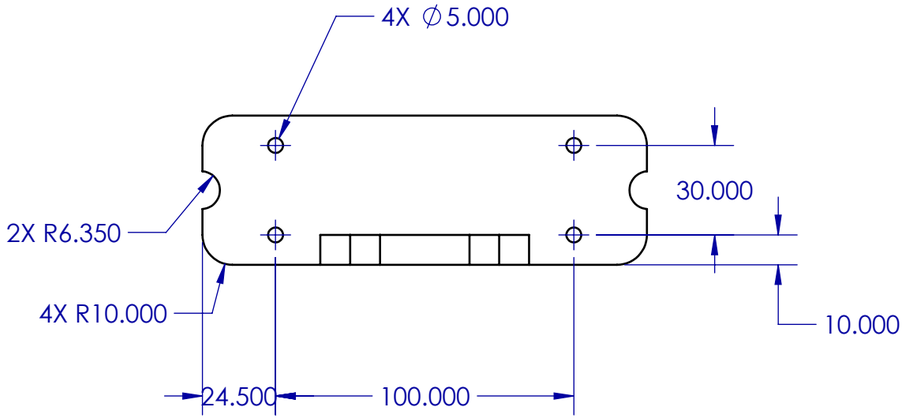


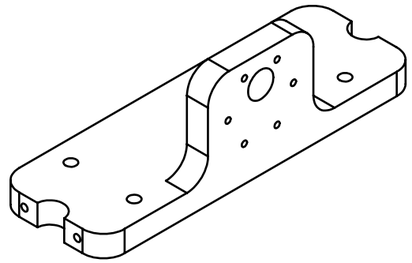


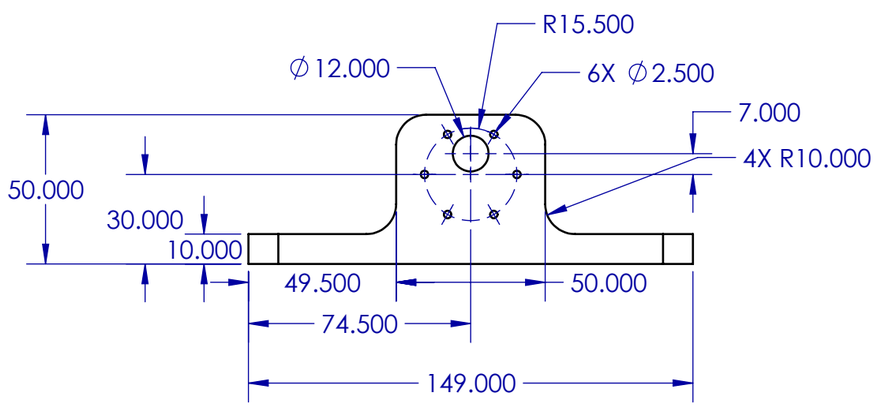


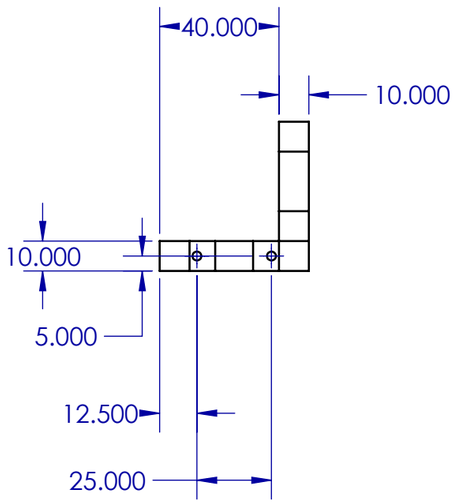
NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Collection Rover Body		Drwn. By: ANTONY CHEN
	Dwg. #: 120000		Date:2/4/2026	Scale: 1:7	Chkd. By: Antony Chen









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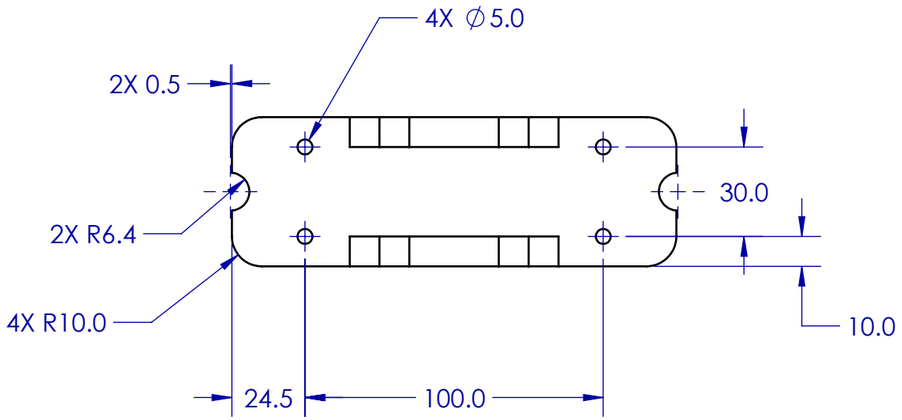
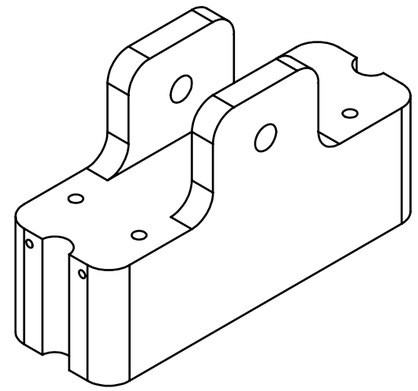
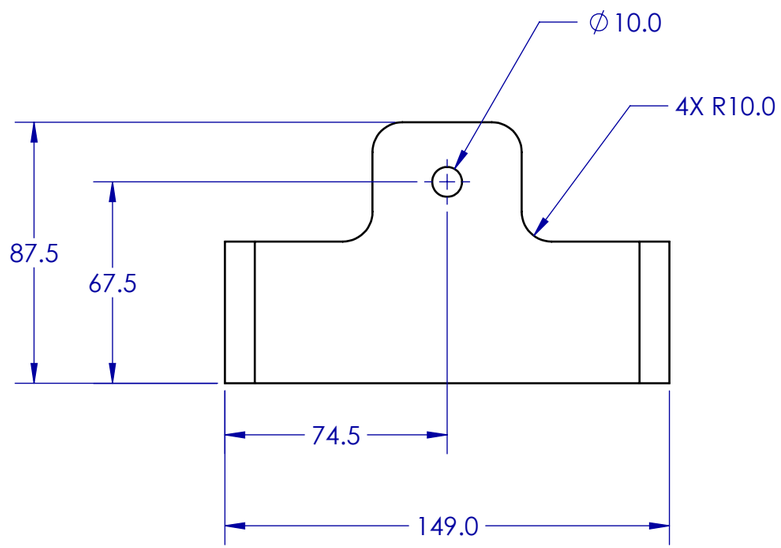
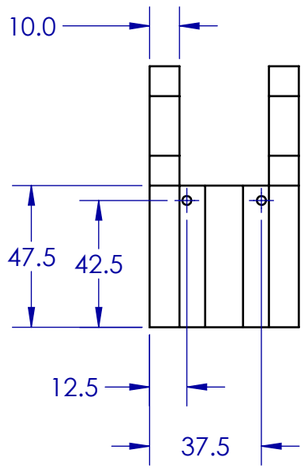
2. TOLERANCES:
   X.X=±.5
   ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Rails Bottom Mount		Drwn. By: ANTONY CHEN
	Dwg. #: 118000		Date:2/4/2026	Scale: 1:2	Chkd. By: Antony Chen



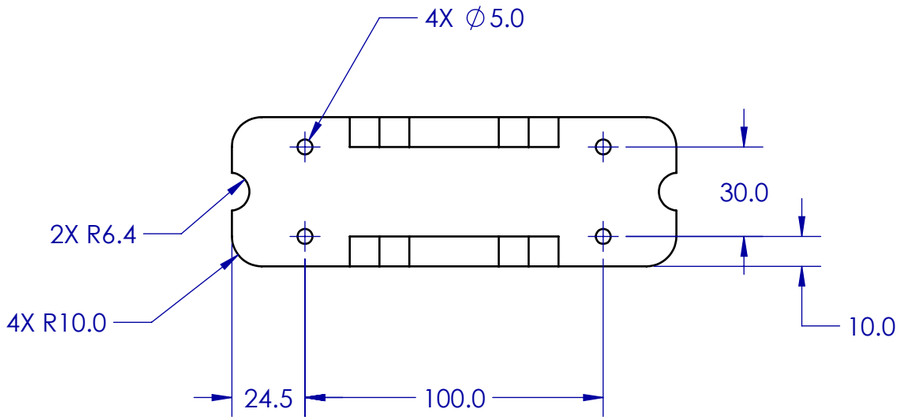


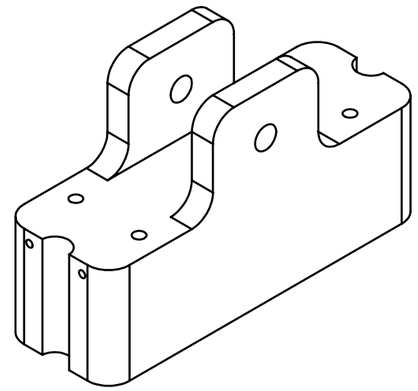


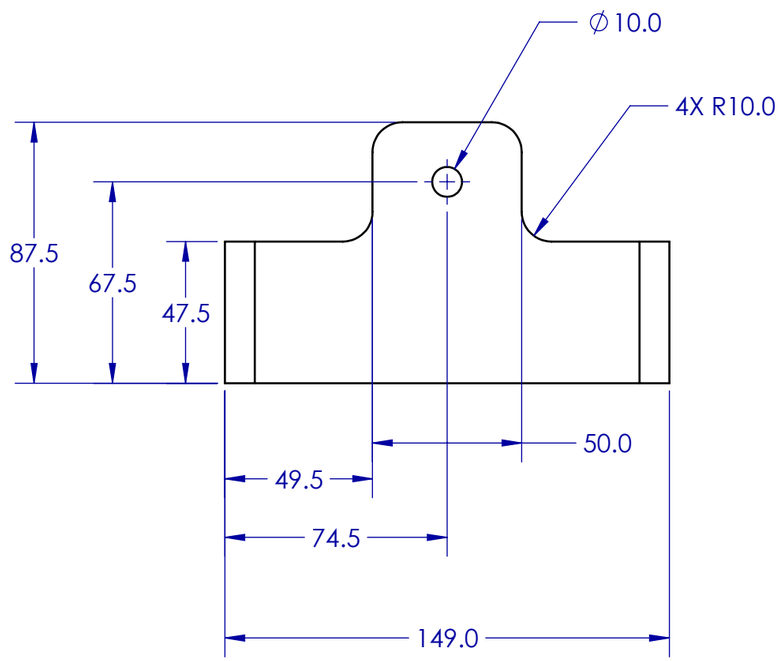


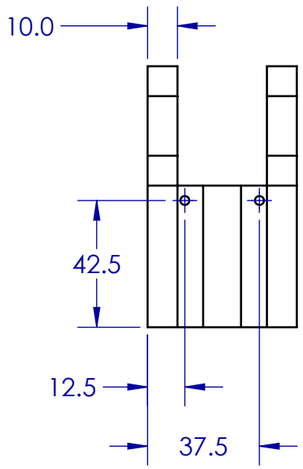
NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Rails Top Mount		Drwn. By: ANTONY CHEN
	Dwg. #:		Date:2/4/2026	Scale: 1:1	Chkd. By: Antony Chen



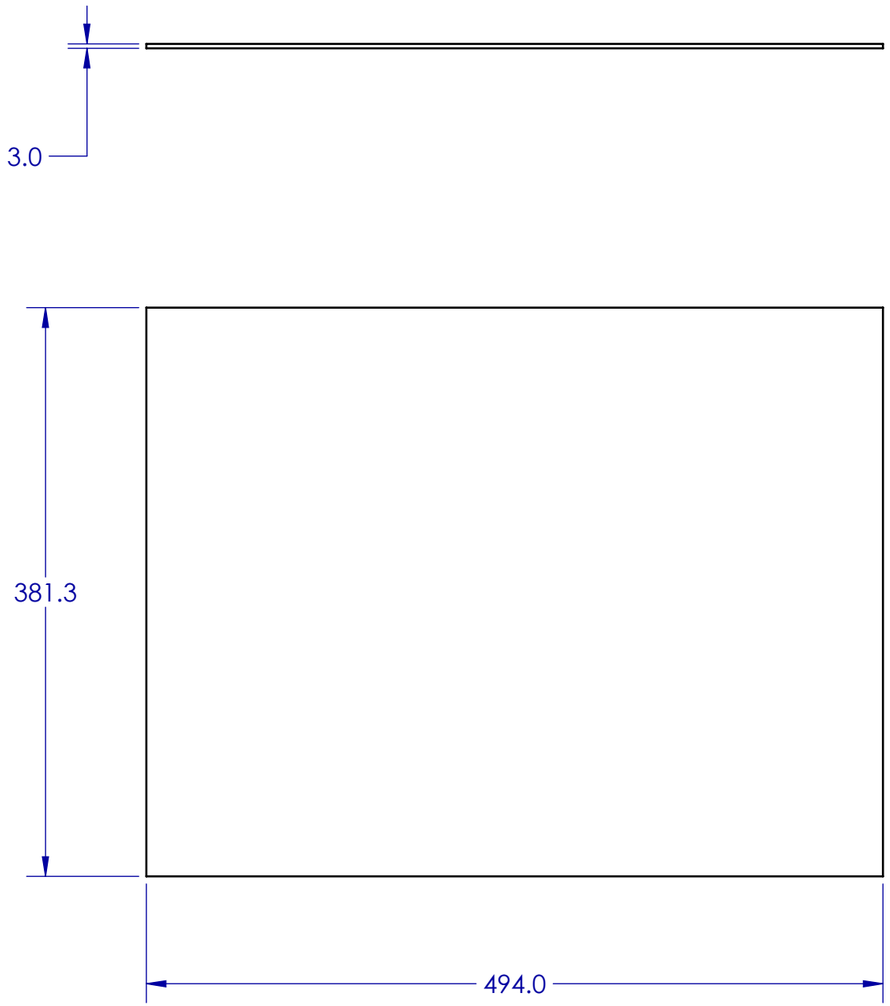


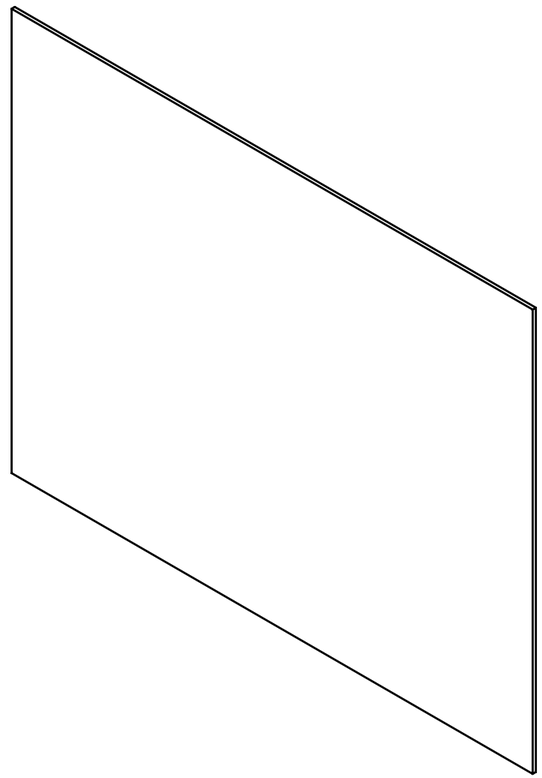




NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

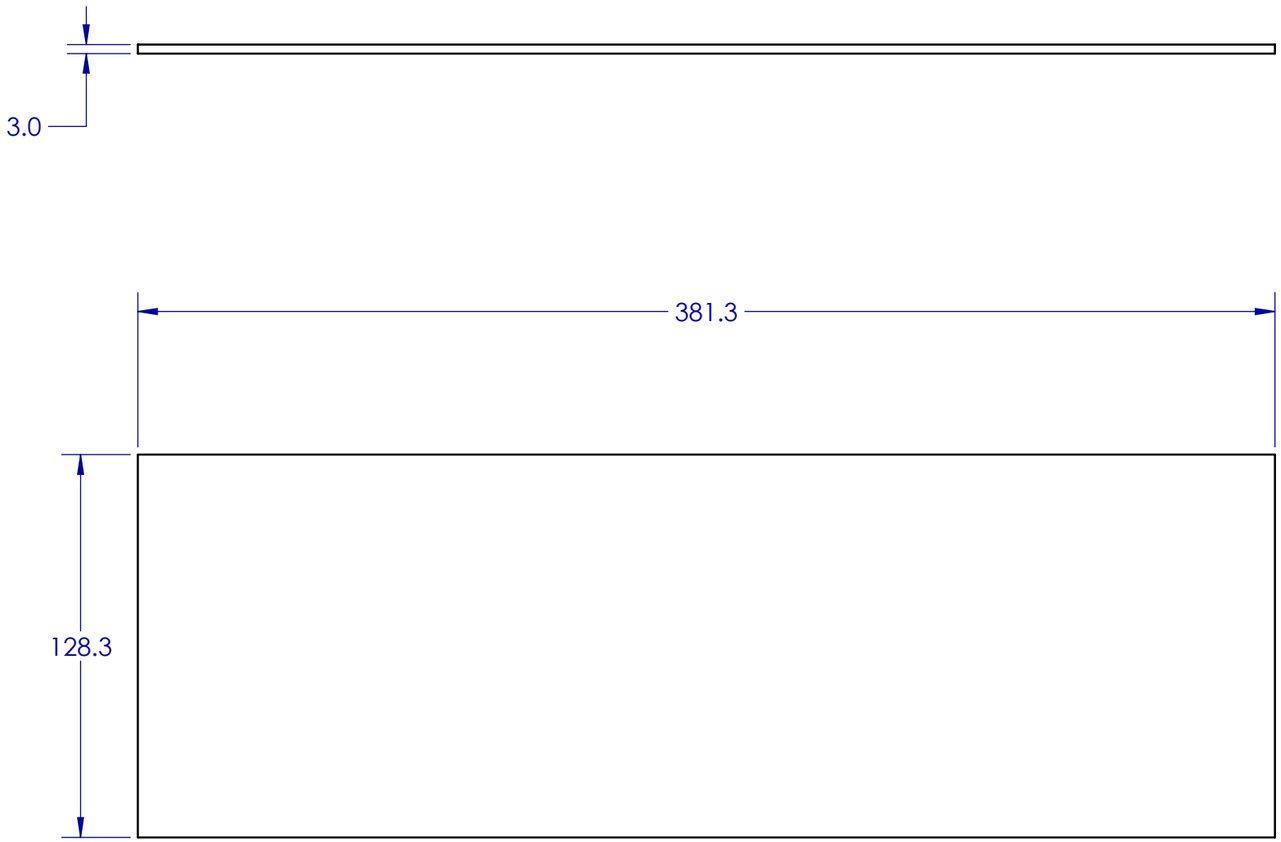
Cal Poly Mechanical Engineering			Title: Rails Top Mount	Drwn. By: ANTONY CHEN
	Dwg. #: 119000		Date:2/4/2026 Scale: 1:2	Chkd. By: Antony Chen

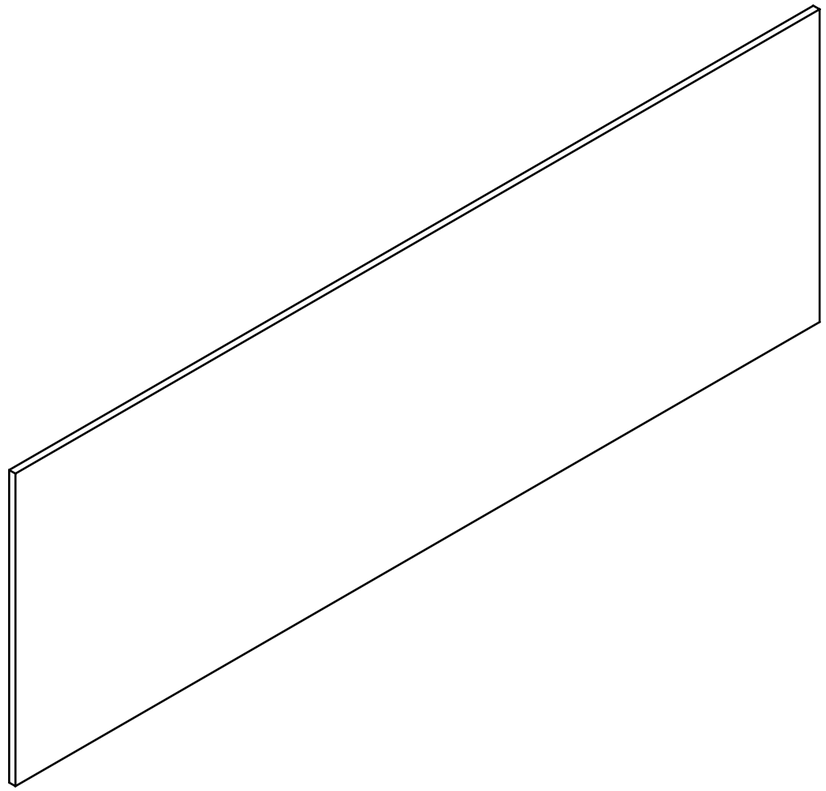




NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

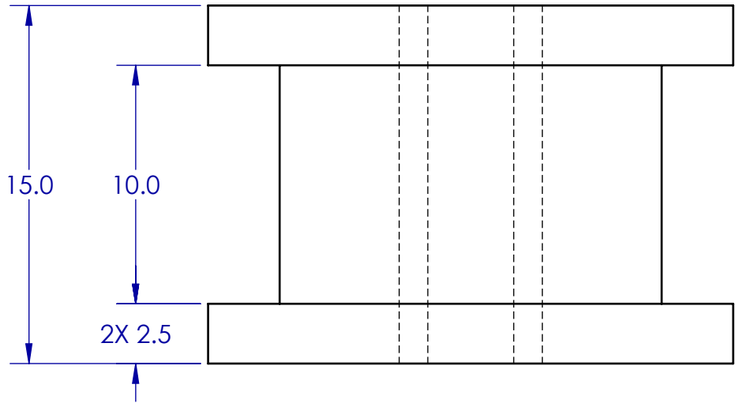
Cal Poly Mechanical Engineering			Title: shelf plate		Drwn. By: ANTONY CHEN
	Dwg. #: 130000		Date:2/4/2026	Scale: 1:4	Chkd. By: Antony Chen

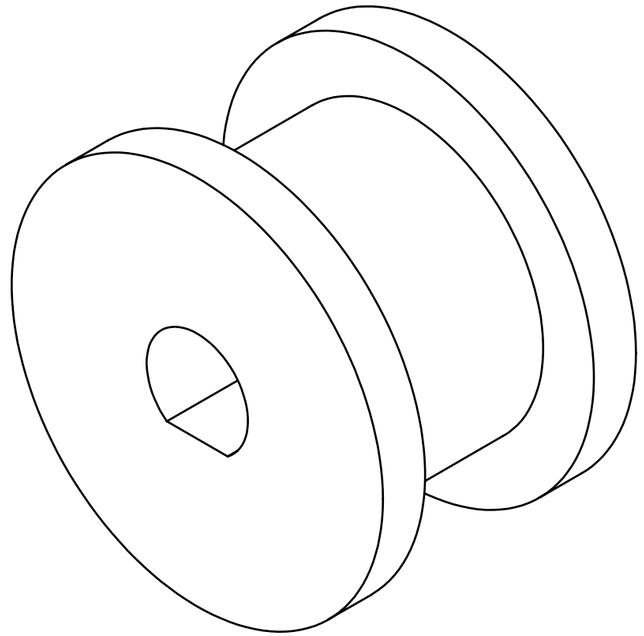


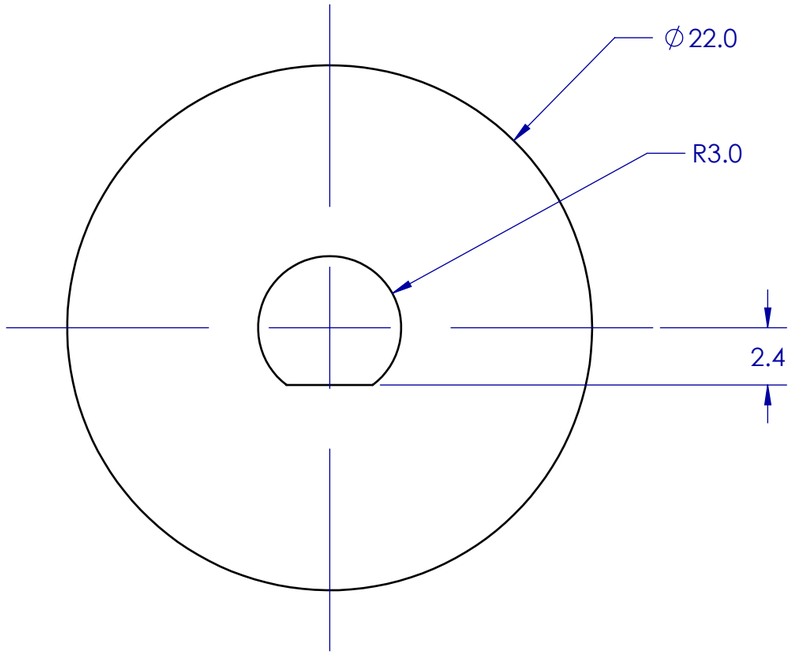


NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.05
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: shelf wall		Drwn. By: ANTONY CHEN
	Dwg. #: 140000		Date:2/4/2026	Scale: 1:2	Chkd. By: Antony Chen







NOTES:
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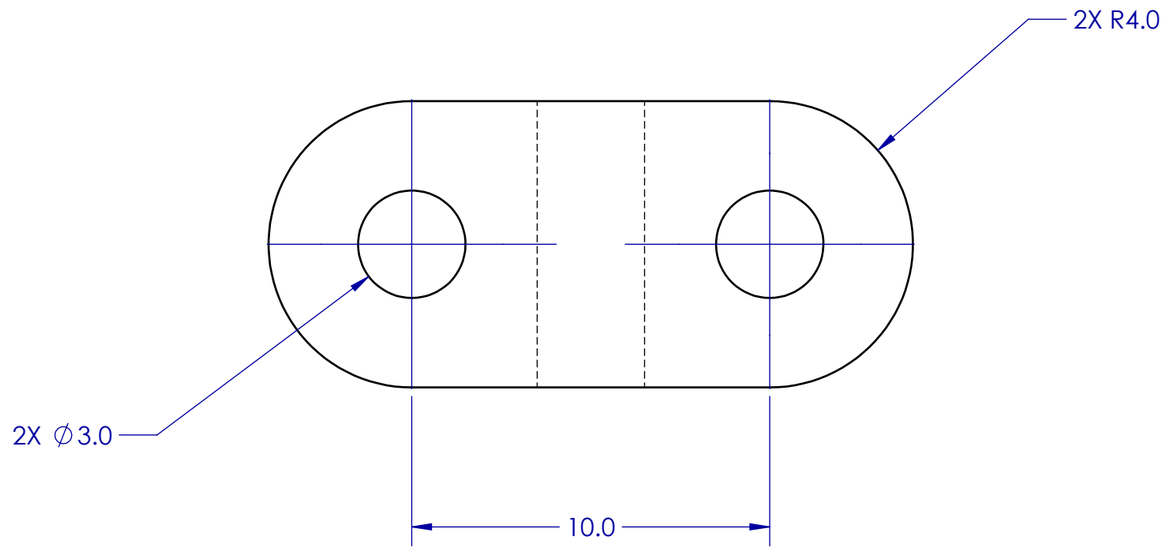
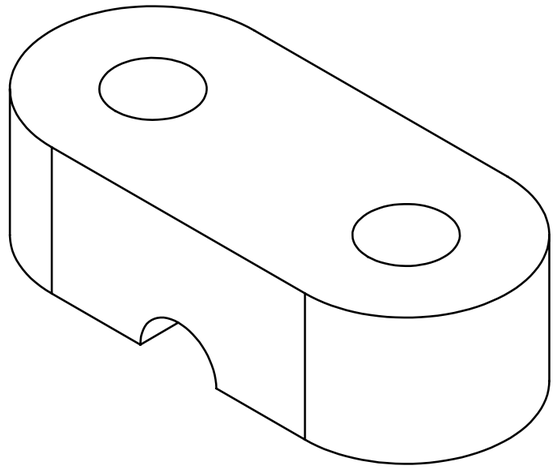
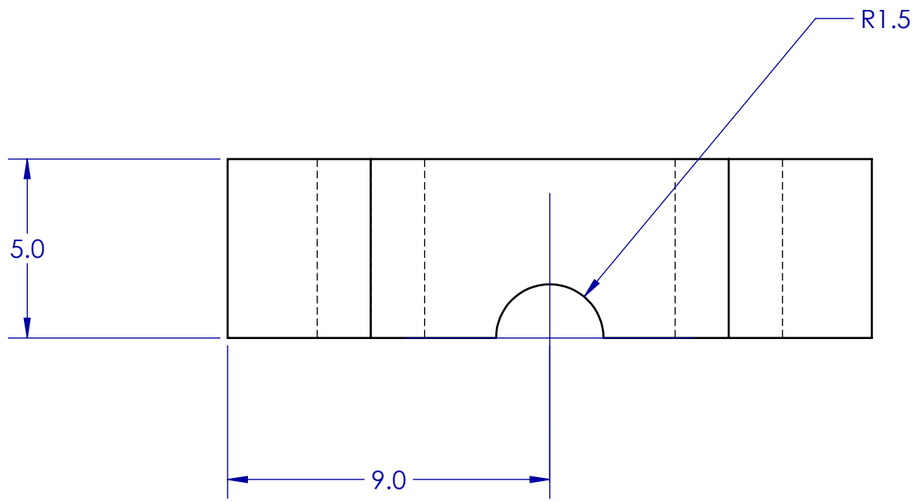
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\overset{63}{\nabla}$FAO

Cal Poly Mechanical Engineering			Title: Spool		Drwn. By: ANTONY CHEN
	Dwg. #11A000:		Date:2/4/2026	Scale: 4:1	Chkd. By: Antony Chen

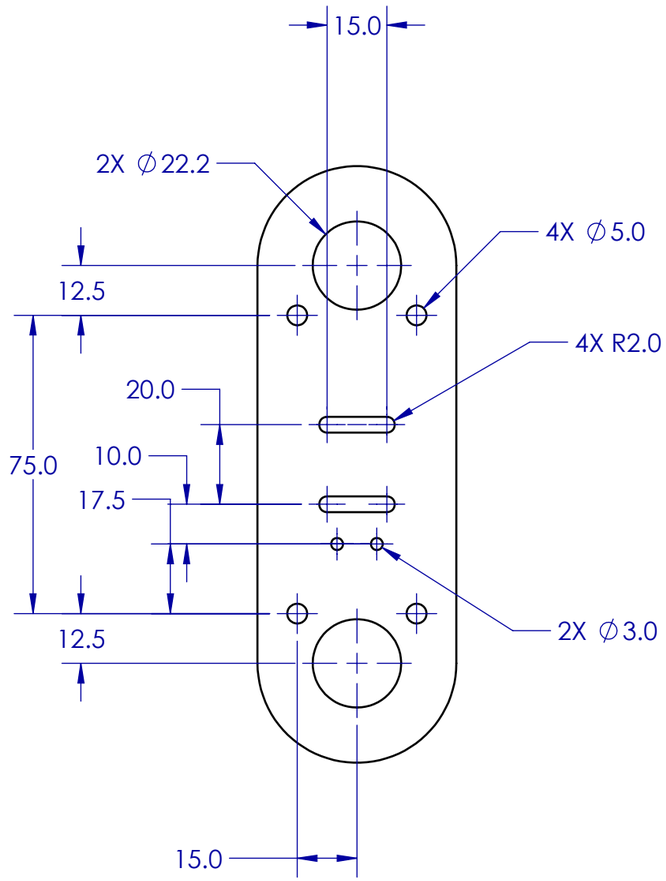


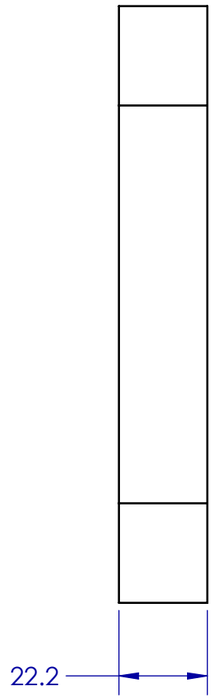


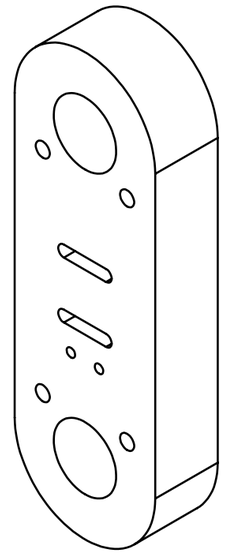


NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: String Clamp		Drwn. By: ANTONY CHEN
	Dwg. #:11B000		Date:2/4/2026	Scale: 6:1	Chkd. By: Antony Chen

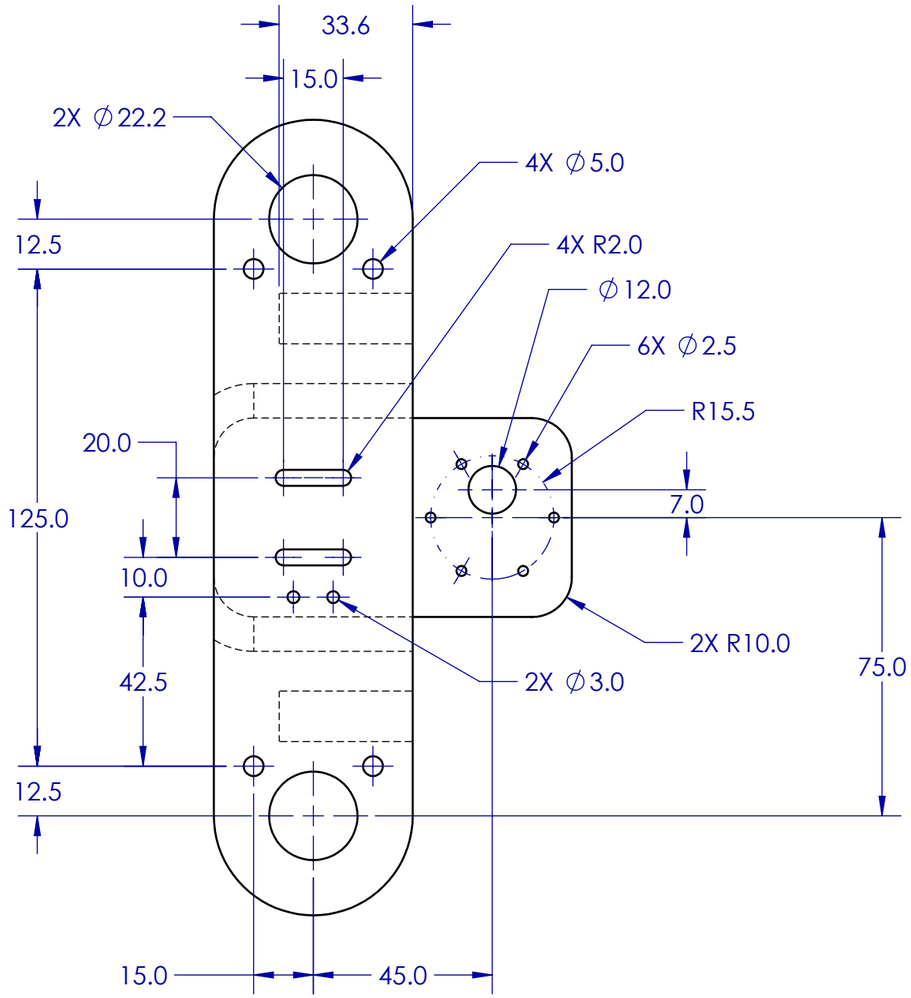


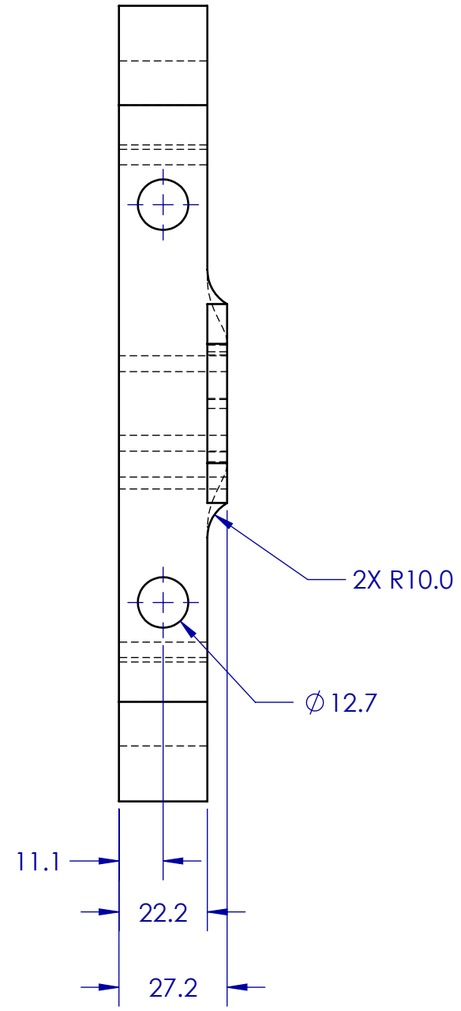


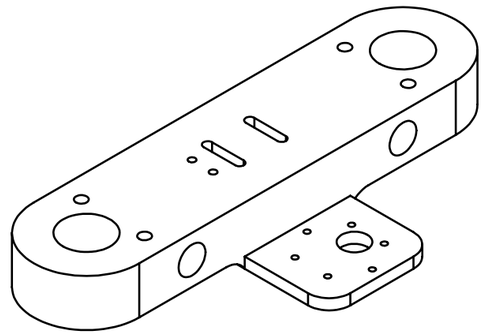


NOTES:
UNLESS OTHERWISE SPECIFIED:
1. ALL DIMENSIONS IN MM
2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Bearing Arm Mount		Drwn. By: ANTONY CHEN
	Dwg. #: 115000		Date:2/4/2026	Scale: 2:3	Chkd. By: Antony Chen







NOTES:
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2. TOLERANCES:
X.X=±.5
ANGLES=±1°
3. INSIDE TOOL RADIUS .02 MAX
4. BREAK SHARP EDGES .01 MAX
5. $\sqrt{}^{63}$ FAO

Cal Poly Mechanical Engineering			Title: Bearing Mount		Drwn. By: ANTONY CHEN
	Dwg. #: 116000		Date:2/4/2026	Scale: 2:3	Chkd. By: Antony Chen