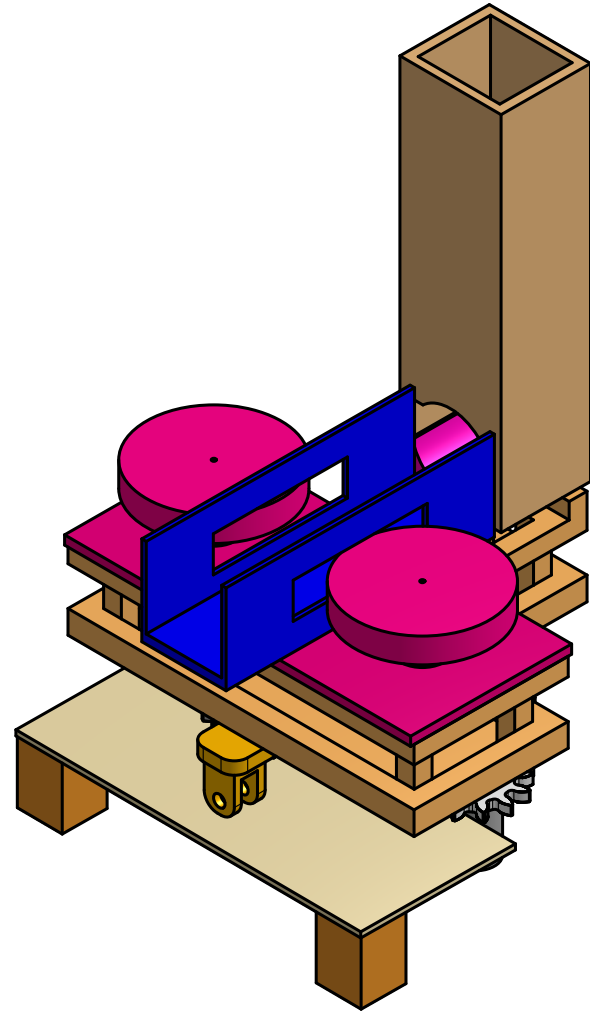


# Ping Pong Ball Launcher

Part C

**Mahir Arora**

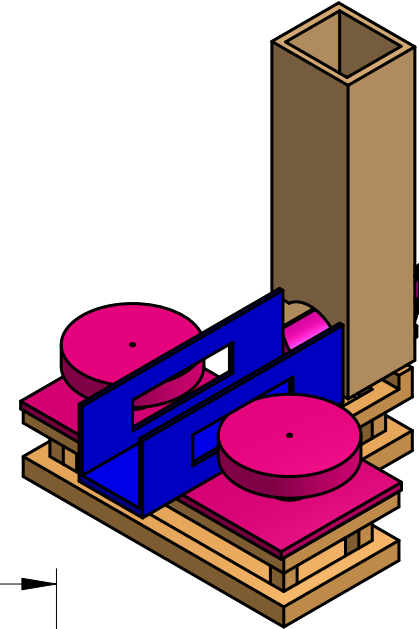
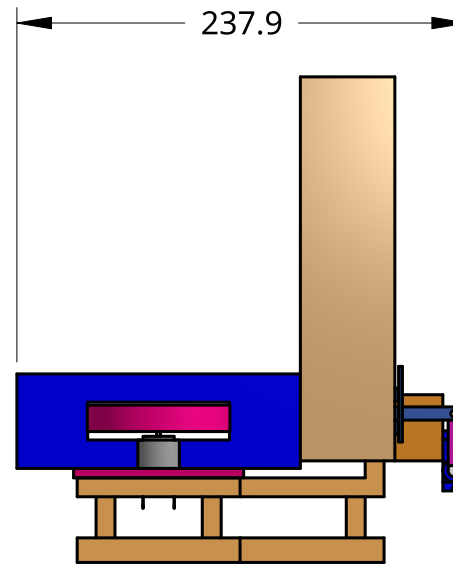
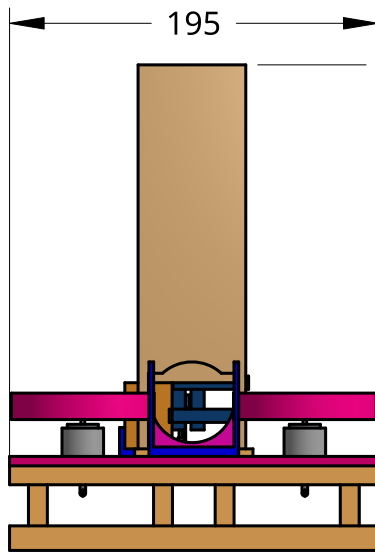
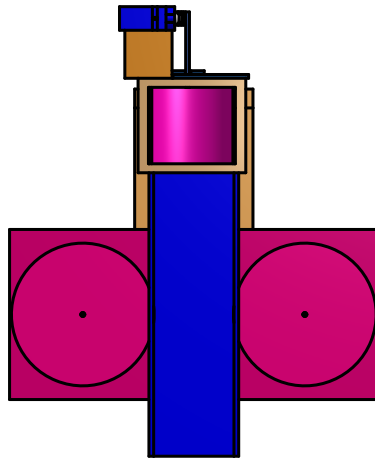
TDJ4MI  
Mr. Cox



**BLUEVALE COLLEGIATE INSTITUTE**

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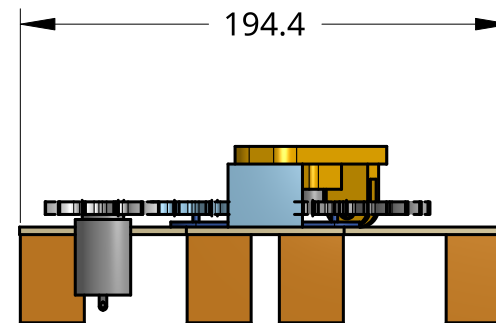
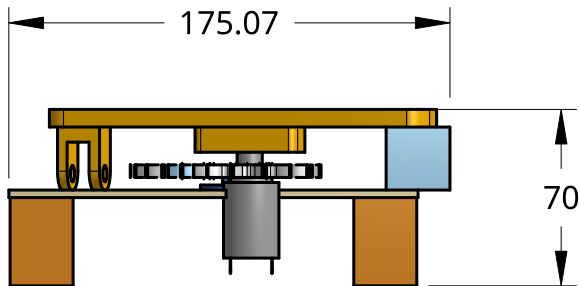
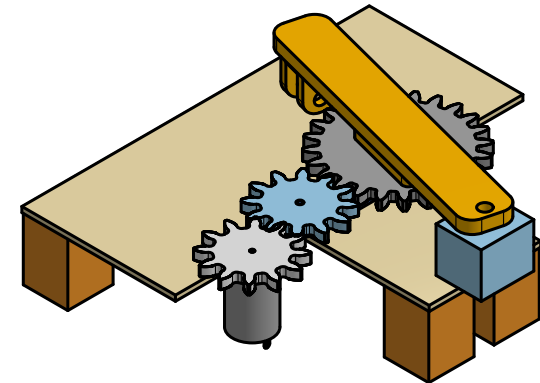
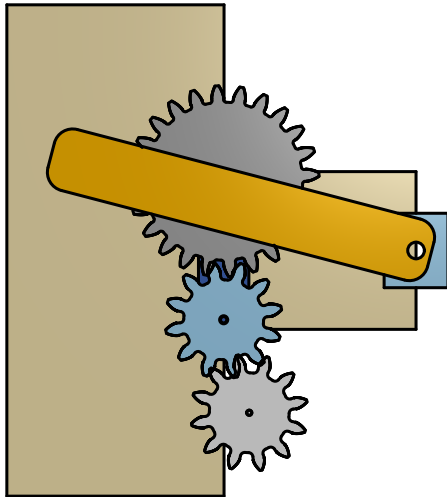
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|-----------|-------------------------|--------|------------|-------------|---|
| TITLE:    | Ping Pong Ball Launcher | SCALE: | 1:3        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA             | DATE:  | 01/24/2025 | SHEET NO:   | 1 |



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80 BLUEVALE ST. N. WATERLOO, ON N2J 3R5

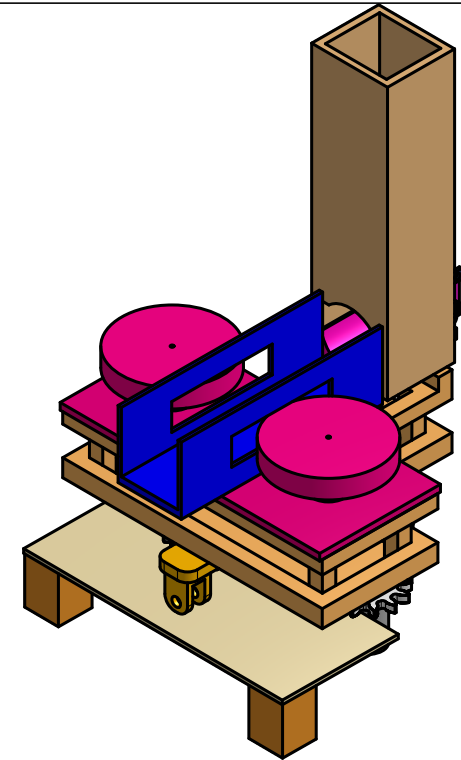
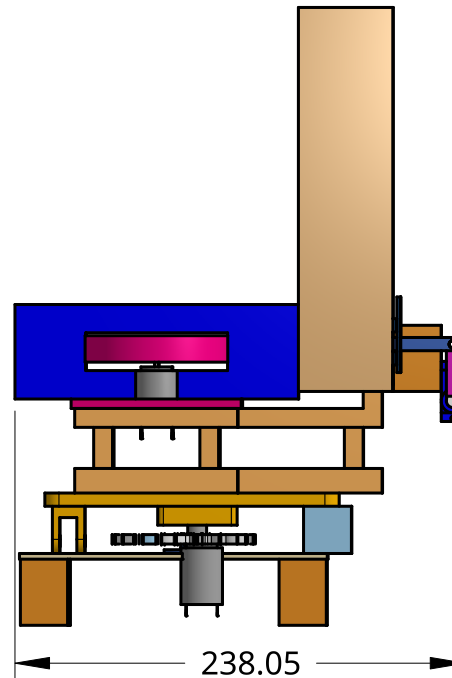
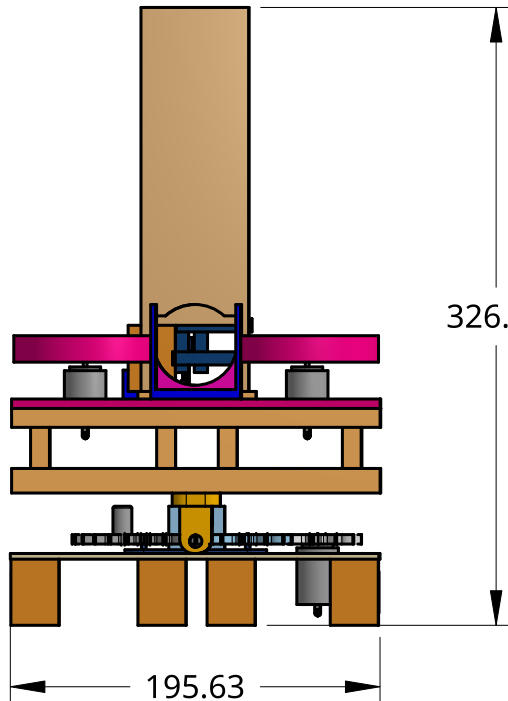
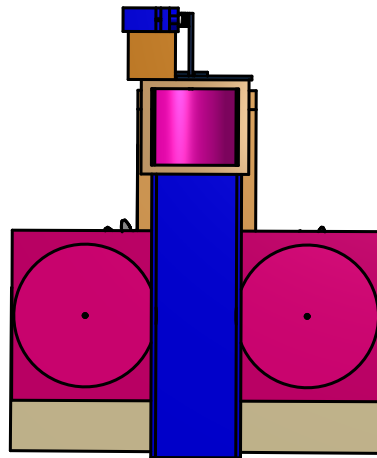
|           |             |        |            |             |   |
|-----------|-------------|--------|------------|-------------|---|
| TITLE:    | Launcher    | SCALE: | 1:4        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



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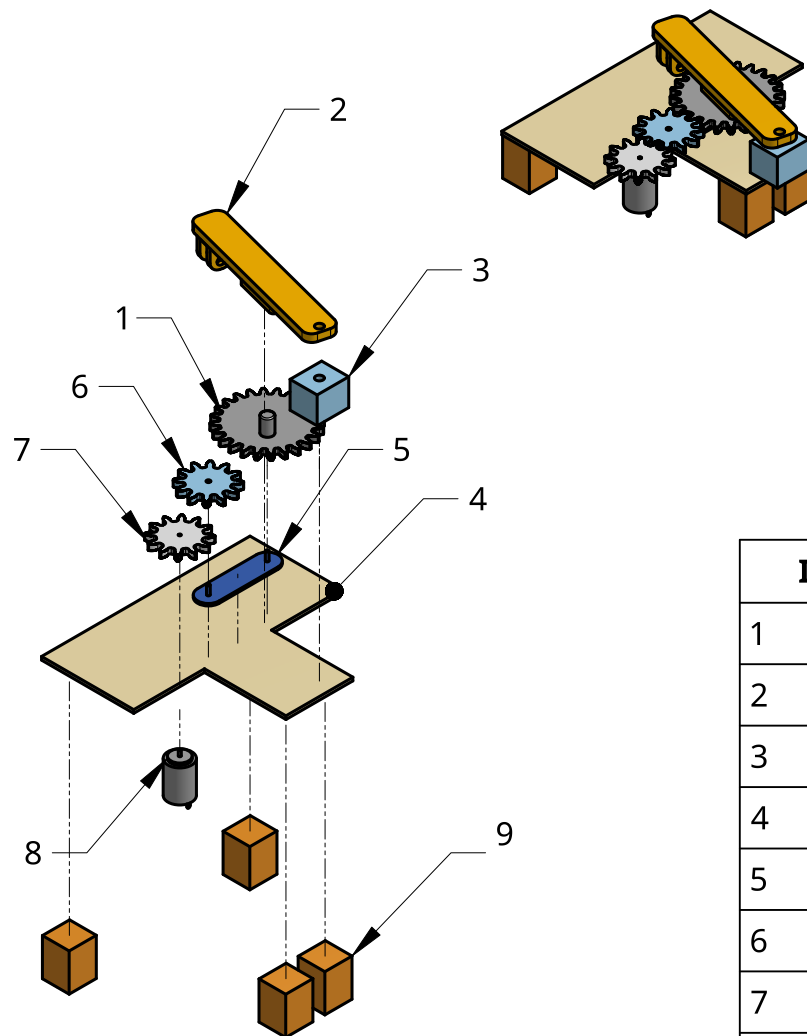
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|-----------|----------------------|--------|------------|-------------|---|
| TITLE:    | GEAR ANGLE MECHANISM | SCALE: | 1:3        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA          | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



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|           |                 |        |            |             |   |
|-----------|-----------------|--------|------------|-------------|---|
| TITLE:    | Entire Launcher | SCALE: | 1:4        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA     | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



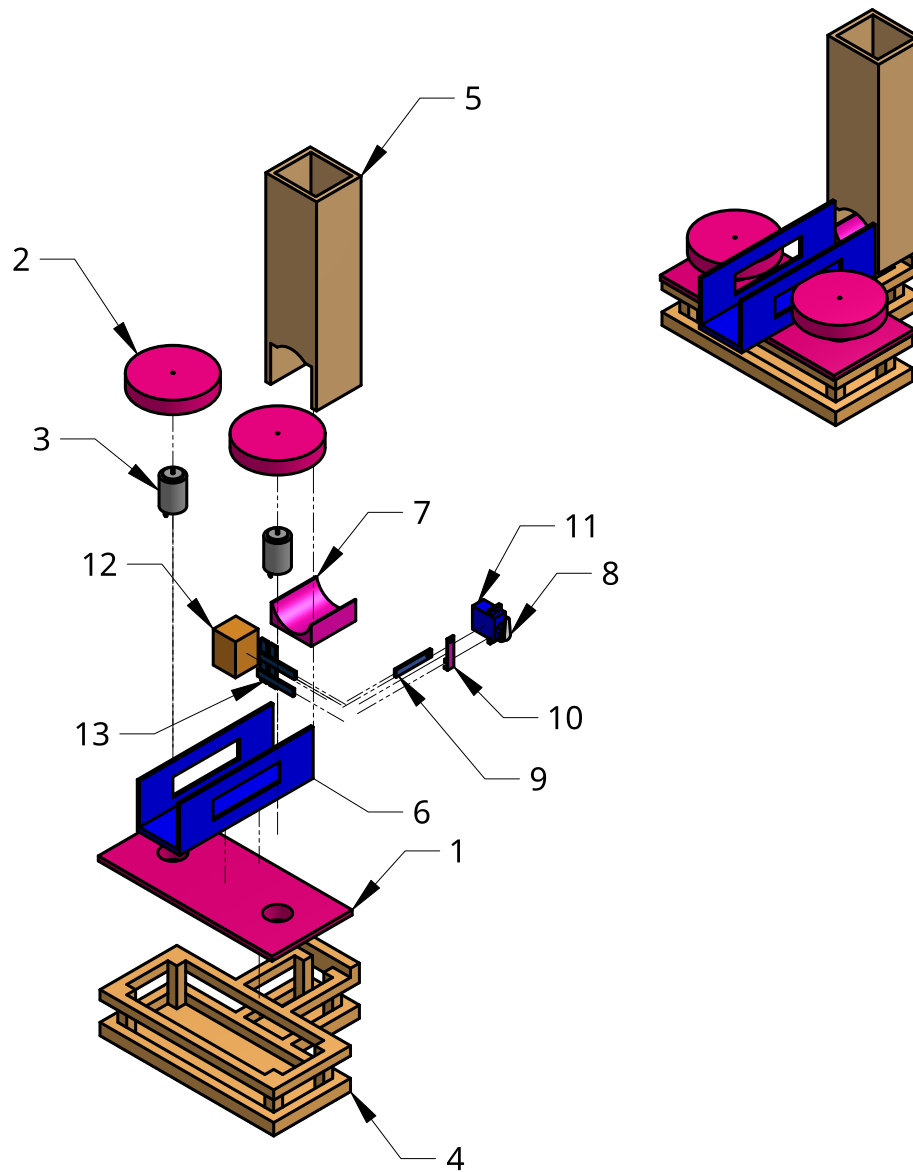
| Item | Quantity | Name                           |
|------|----------|--------------------------------|
| 1    | 1        | Spur gear (24 teeth)           |
| 2    | 1        | Angle Slider                   |
| 3    | 1        | Block                          |
| 4    | 1        | Base For Slider                |
| 5    | 1        | Gear Holder                    |
| 6    | 1        | Spur gear (12 teeth)           |
| 7    | 1        | Spur gear for Motor (12 teeth) |
| 8    | 1        | Motor                          |
| 9    | 4        | Block                          |



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|           |                      |        |            |             |   |
|-----------|----------------------|--------|------------|-------------|---|
| TITLE:    | GEAR ANGLE MECHANISM | SCALE: | 1:5        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA          | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



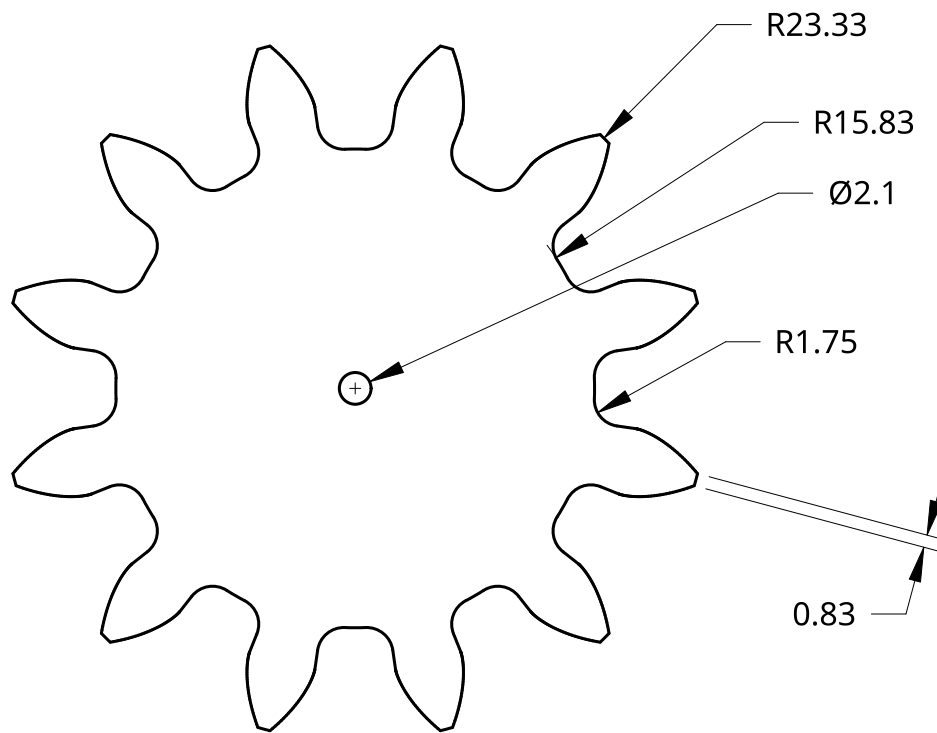
| Item | Quantity | Name             |
|------|----------|------------------|
| 1    | 1        | Motor Holder     |
| 2    | 2        | Wheels           |
| 3    | 2        | Motor            |
| 4    | 1        | Base             |
| 5    | 1        | Ball Drop        |
| 6    | 1        | Firing Chamber   |
| 7    | 1        | Ball Roll        |
| 8    | 1        | Servo Arm        |
| 9    | 1        | Push Stick       |
| 10   | 1        | Servo Arm Extend |
| 11   | 1        | Servo            |
| 12   | 1        | Block            |
| 13   | 4        | Push Stick Guard |



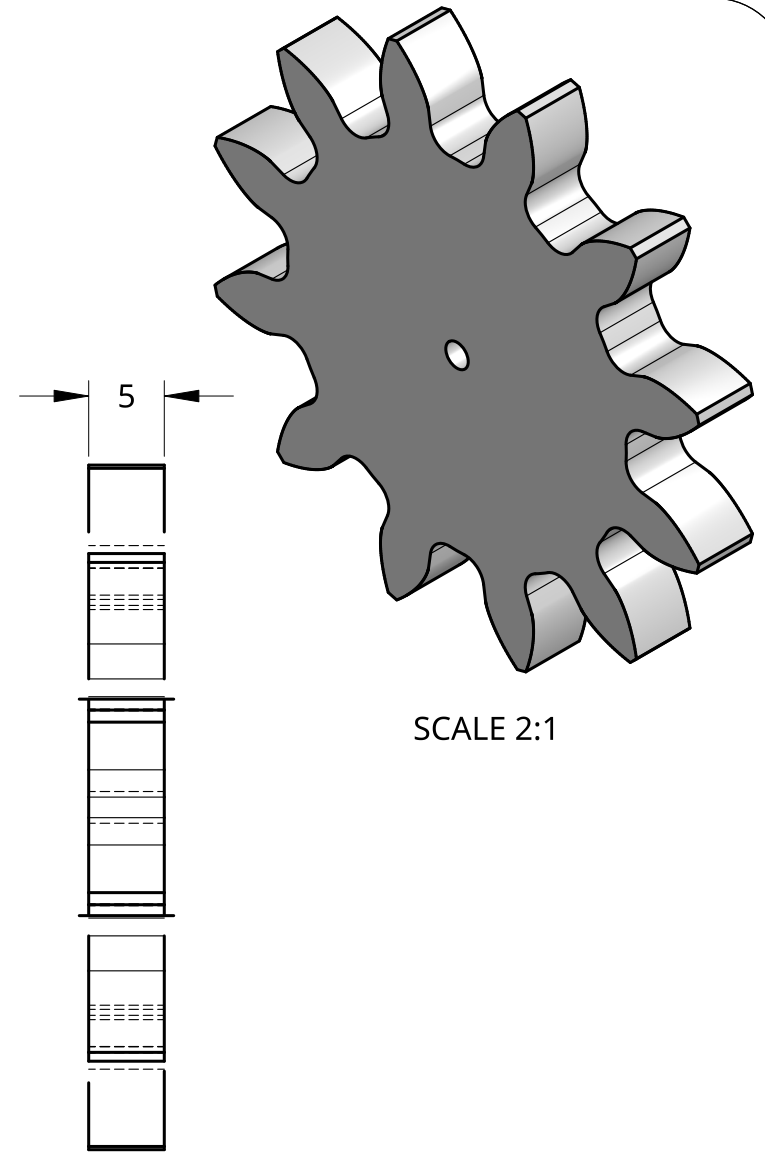
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|           |             |        |            |             |   |
|-----------|-------------|--------|------------|-------------|---|
| TITLE:    | LAUNCHER    | SCALE: | 1:6        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



SCALE 2:1



SCALE 2:1

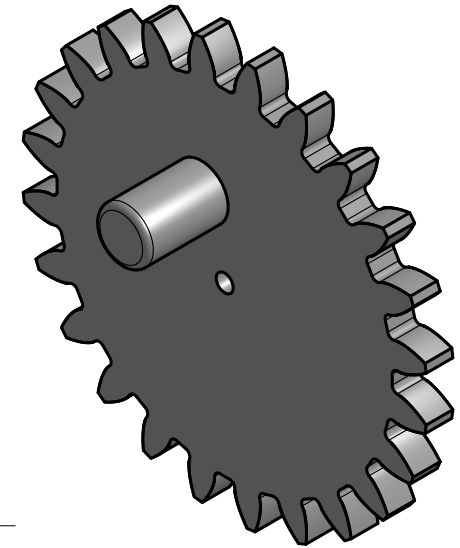
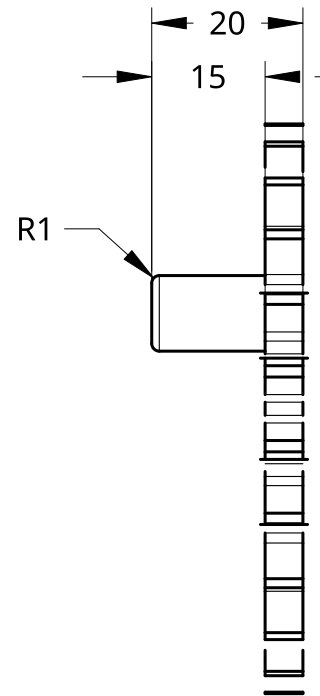
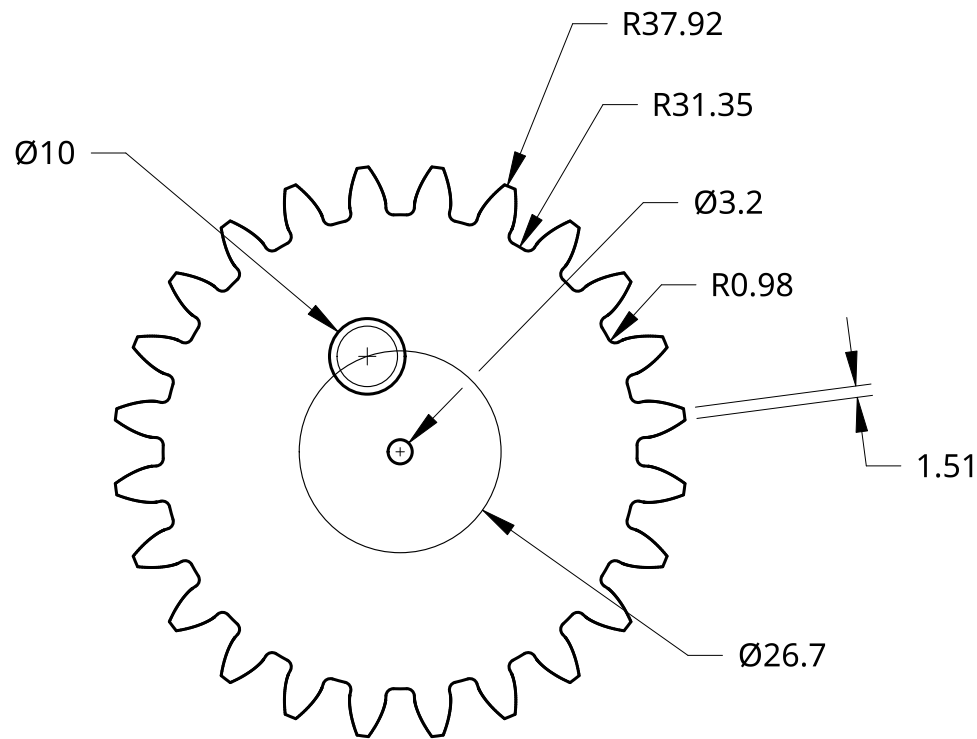
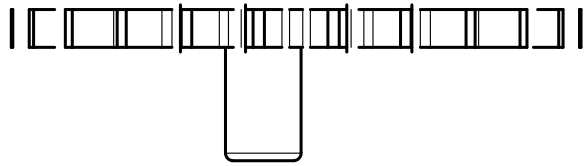
SCALE 2:1



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|           |                      |        |            |             |   |
|-----------|----------------------|--------|------------|-------------|---|
| TITLE:    | SPUR GEAR (12 TEETH) | SCALE: | 1:1        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA          | DATE:  | 01/21/2025 | SHEET NO:   | 1 |

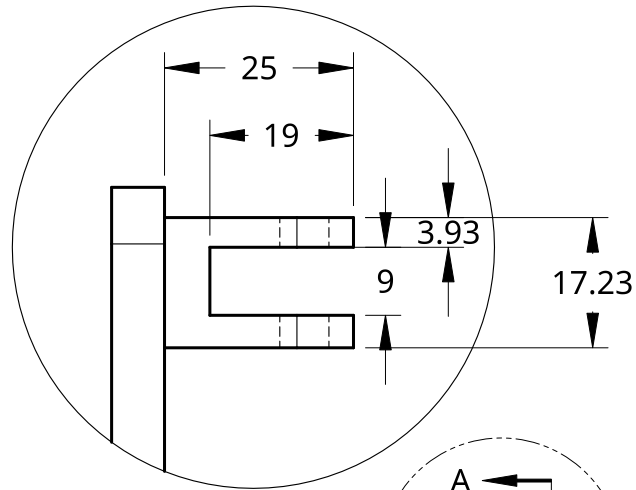
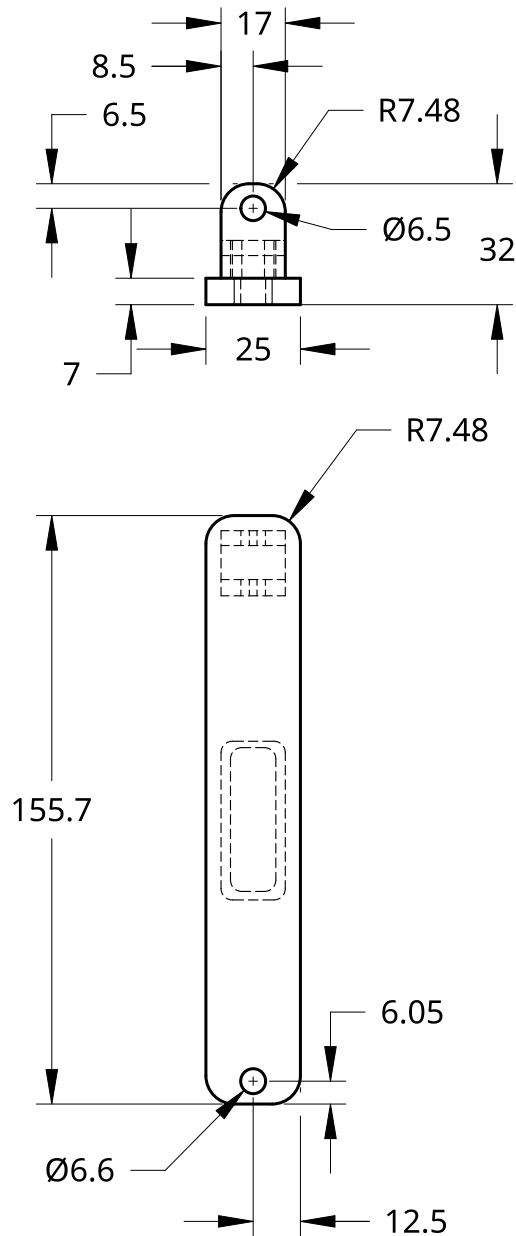


# BLUEVALE COLLEGIATE INSTITUTE

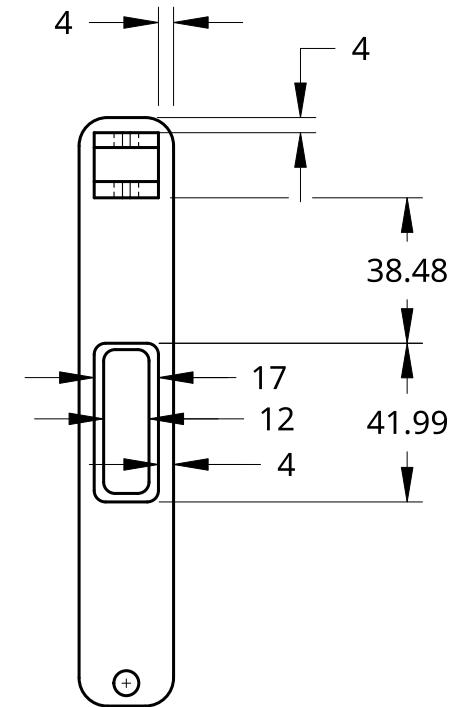
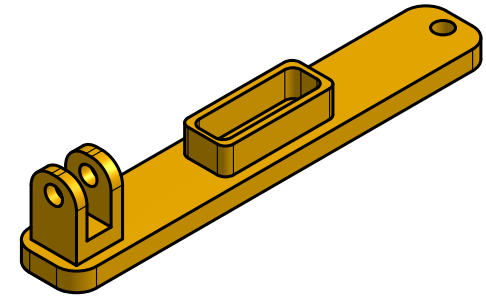
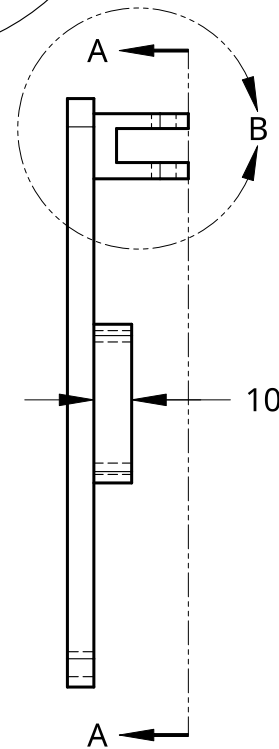
80 BLUEVALE ST. N. WATERLOO, ON N2J 3R5

|           |                      |        |            |             |   |
|-----------|----------------------|--------|------------|-------------|---|
| TITLE:    | SPUR GEAR (24 TEETH) | SCALE: | 1:1        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA          | DATE:  | 01/21/2025 | SHEET NO:   | 1 |





DETAIL B  
SCALE 1:1



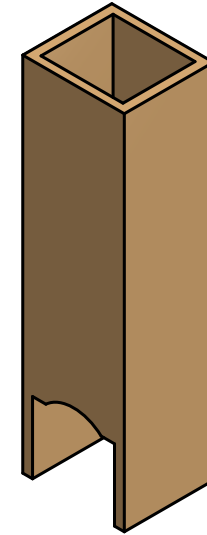
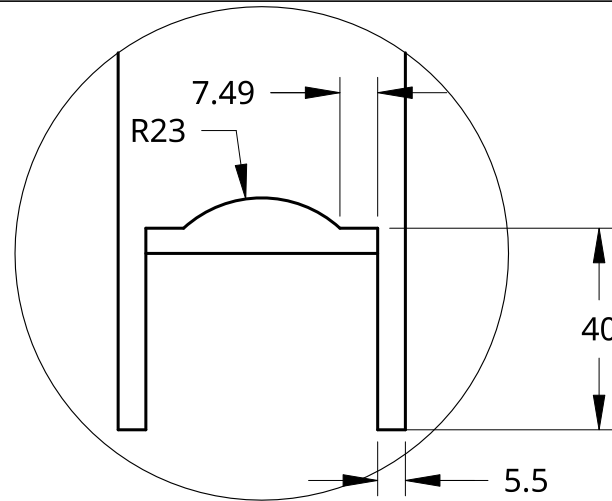
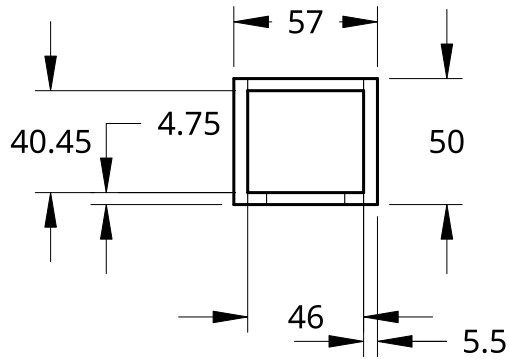
SECTION A - A



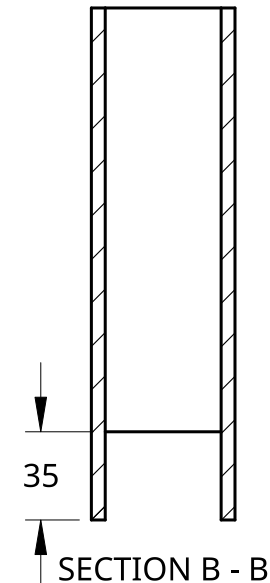
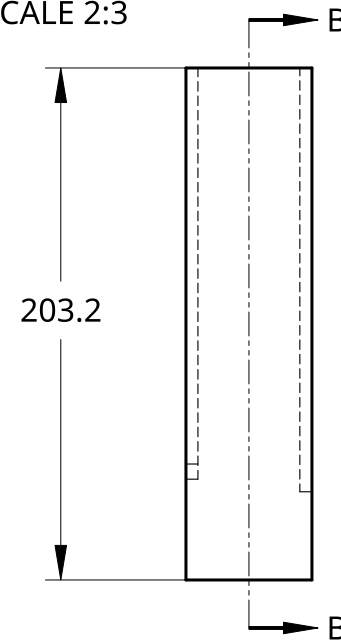
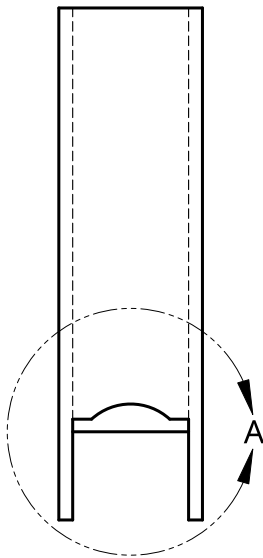
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|           |              |        |            |             |   |
|-----------|--------------|--------|------------|-------------|---|
| TITLE:    | Angle Slider | SCALE: | 1:2        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA  | DATE:  | 01/21/2025 | SHEET NO:   | 1 |



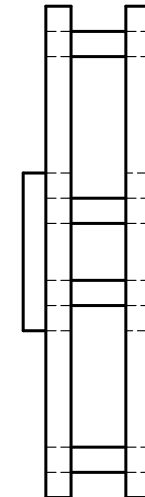
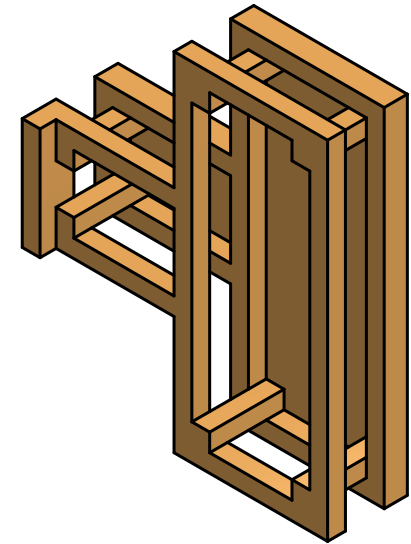
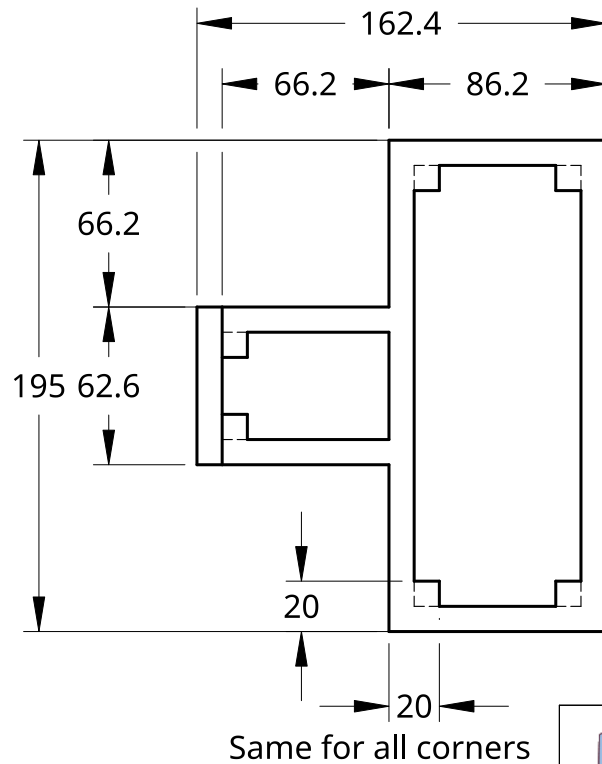
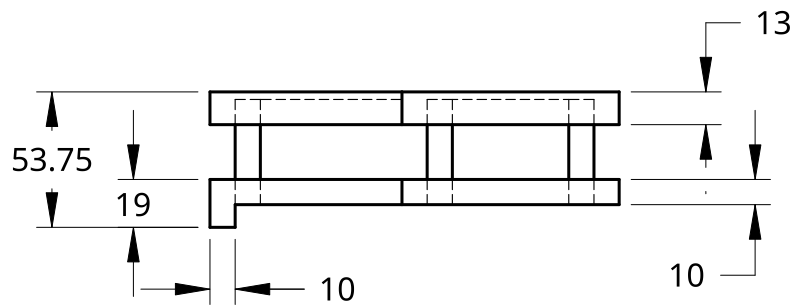
DETAIL A  
SCALE 2:3



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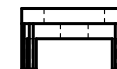
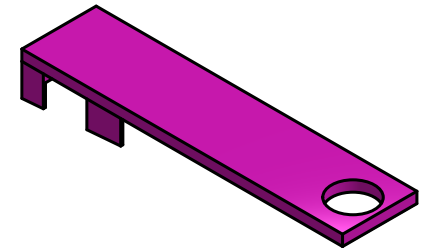
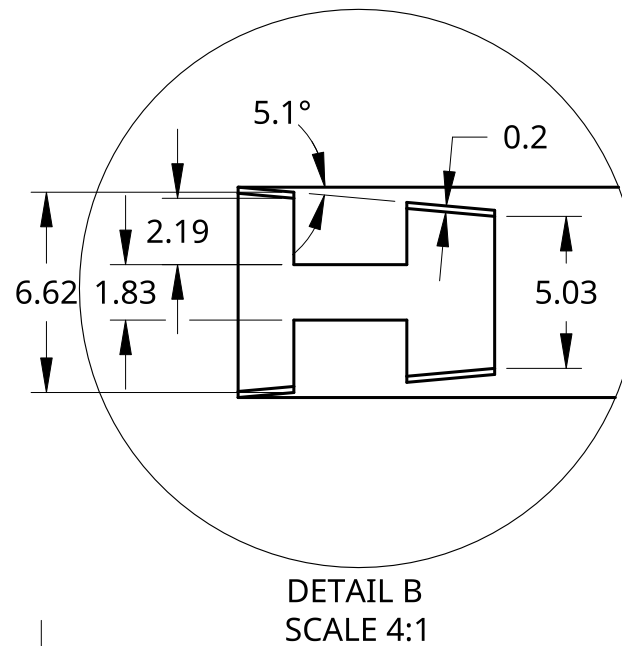
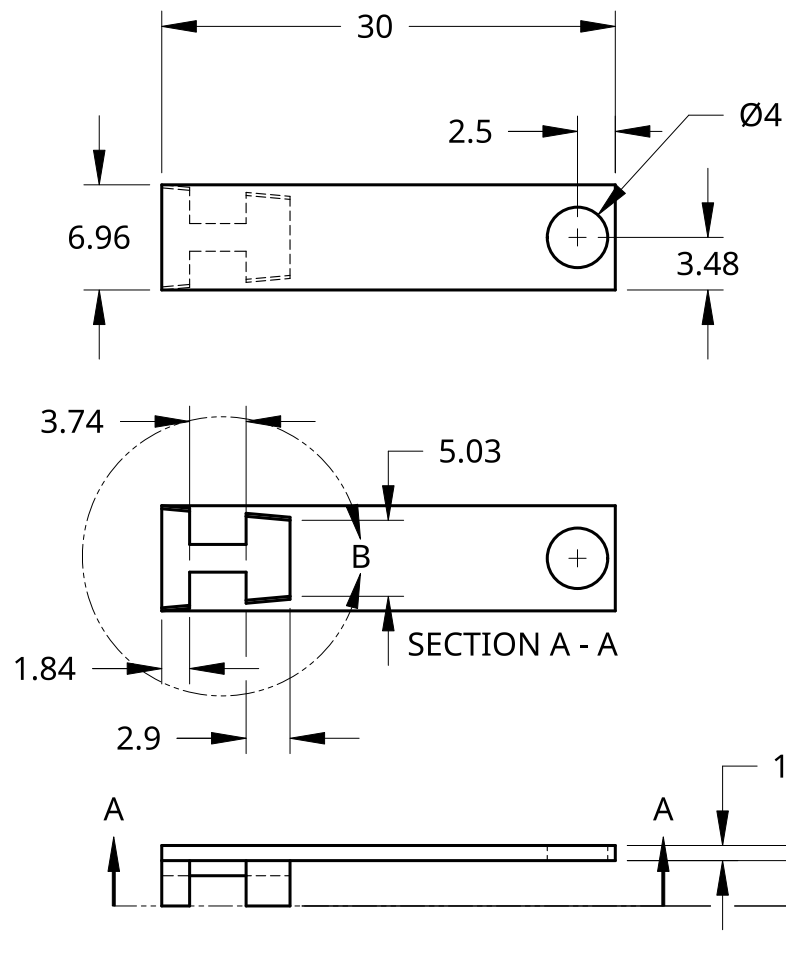
|           |             |        |            |             |   |
|-----------|-------------|--------|------------|-------------|---|
| TITLE:    | Ball Drop   | SCALE: | 1:3        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA | DATE:  | 01/21/2025 | SHEET NO:   | 1 |



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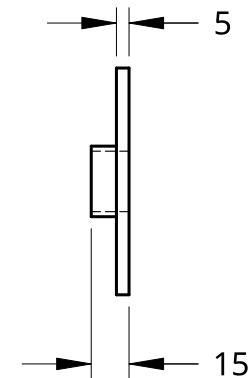
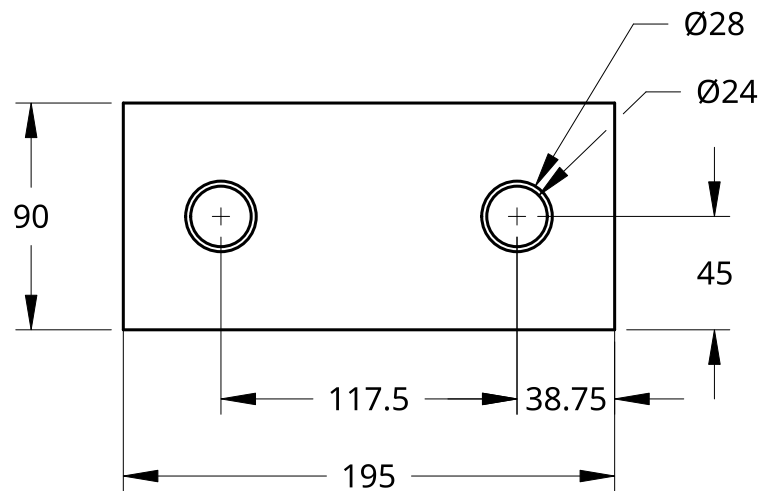
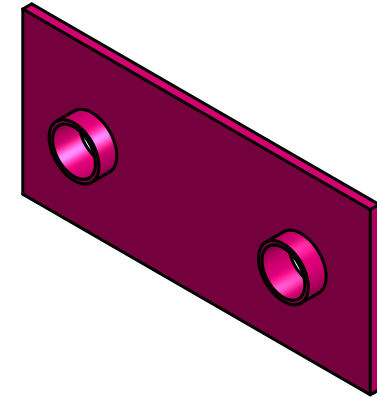
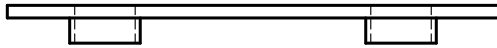
|           |             |        |            |             |   |
|-----------|-------------|--------|------------|-------------|---|
| TITLE:    | Base        | SCALE: | 1:3        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA | DATE:  | 01/22/2025 | SHEET NO:   | 1 |



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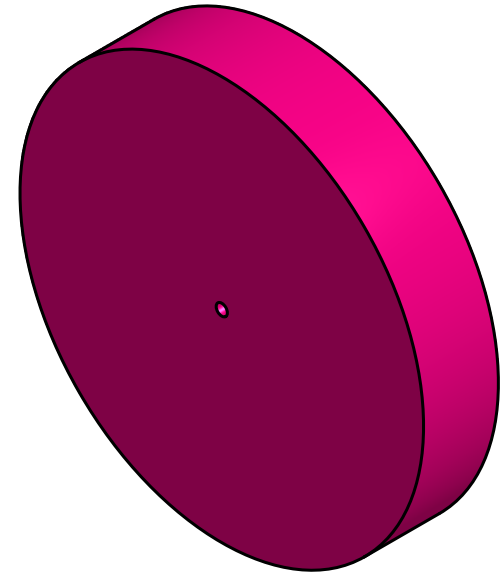
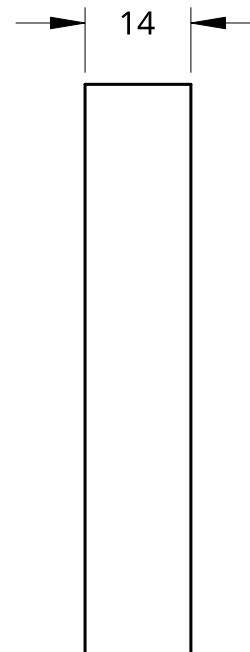
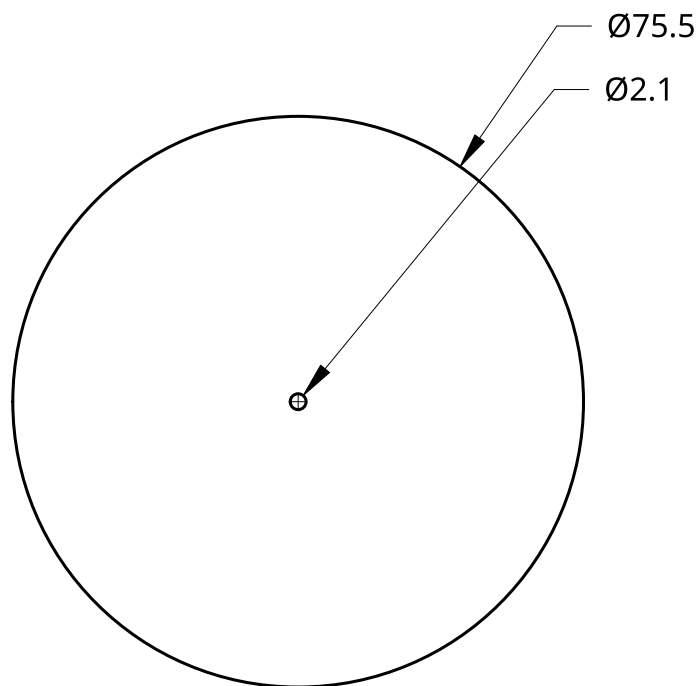
|           |                    |        |            |             |   |
|-----------|--------------------|--------|------------|-------------|---|
| TITLE:    | Clip Arm For Servo | SCALE: | 2:1        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA        | DATE:  | 01/21/2025 | SHEET NO:   | 1 |



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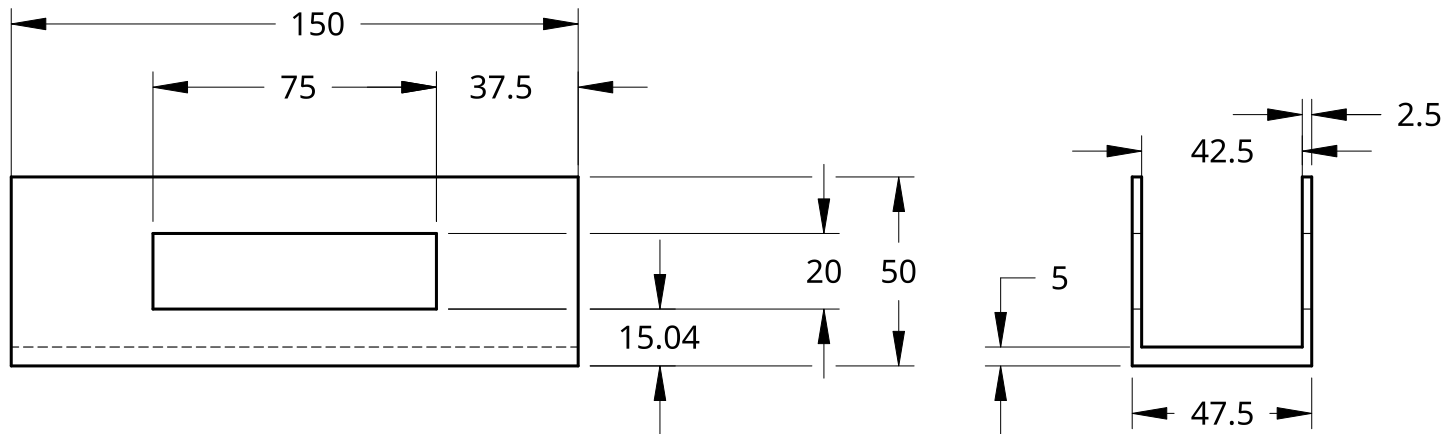
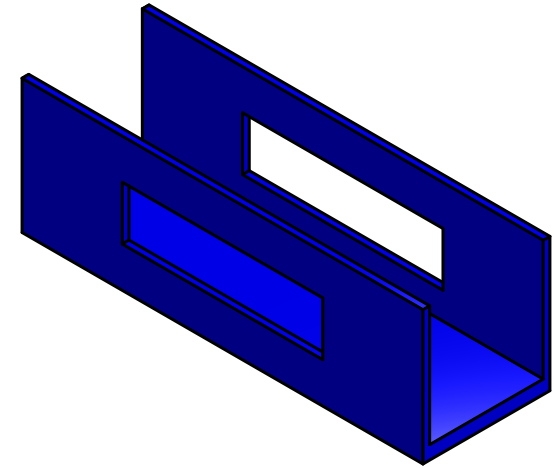
|           |                    |        |            |             |   |
|-----------|--------------------|--------|------------|-------------|---|
| TITLE:    | Motor Holding Part | SCALE: | 1:3        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA        | DATE:  | 01/21/2025 | SHEET NO:   | 1 |



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80 BLUEVALE ST. N. WATERLOO, ON N2J 3R5

|           |             |        |            |             |   |
|-----------|-------------|--------|------------|-------------|---|
| TITLE:    | Wheels      | SCALE: | 1:1        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA | DATE:  | 01/21/2025 | SHEET NO:   | 1 |



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|           |                |        |            |             |   |
|-----------|----------------|--------|------------|-------------|---|
| TITLE:    | Firing Chamber | SCALE: | 1:2        | SHEET SIZE: | A |
| DRAWN BY: | MAHIR ARORA    | DATE:  | 01/22/2025 | SHEET NO:   | 1 |