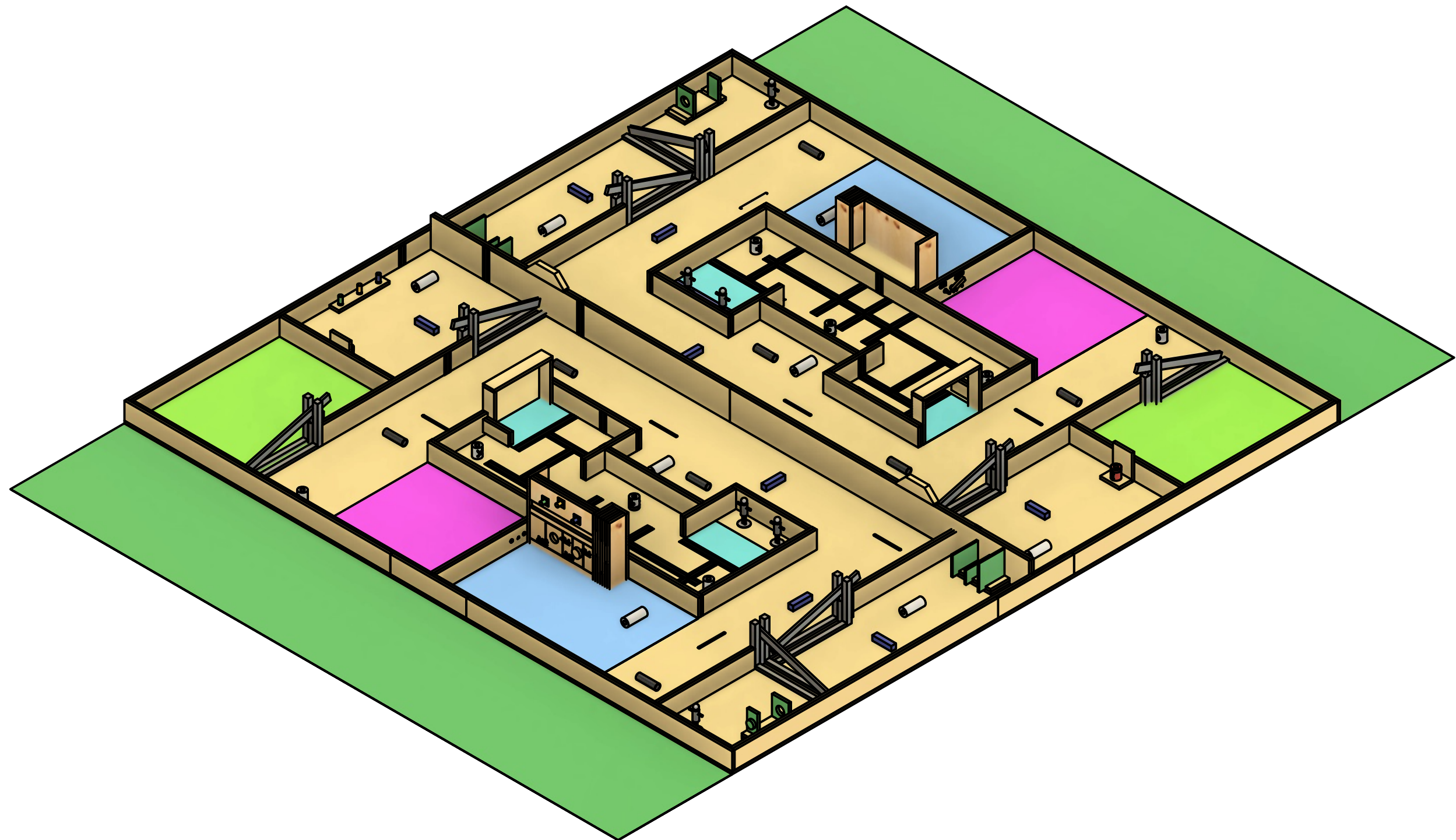
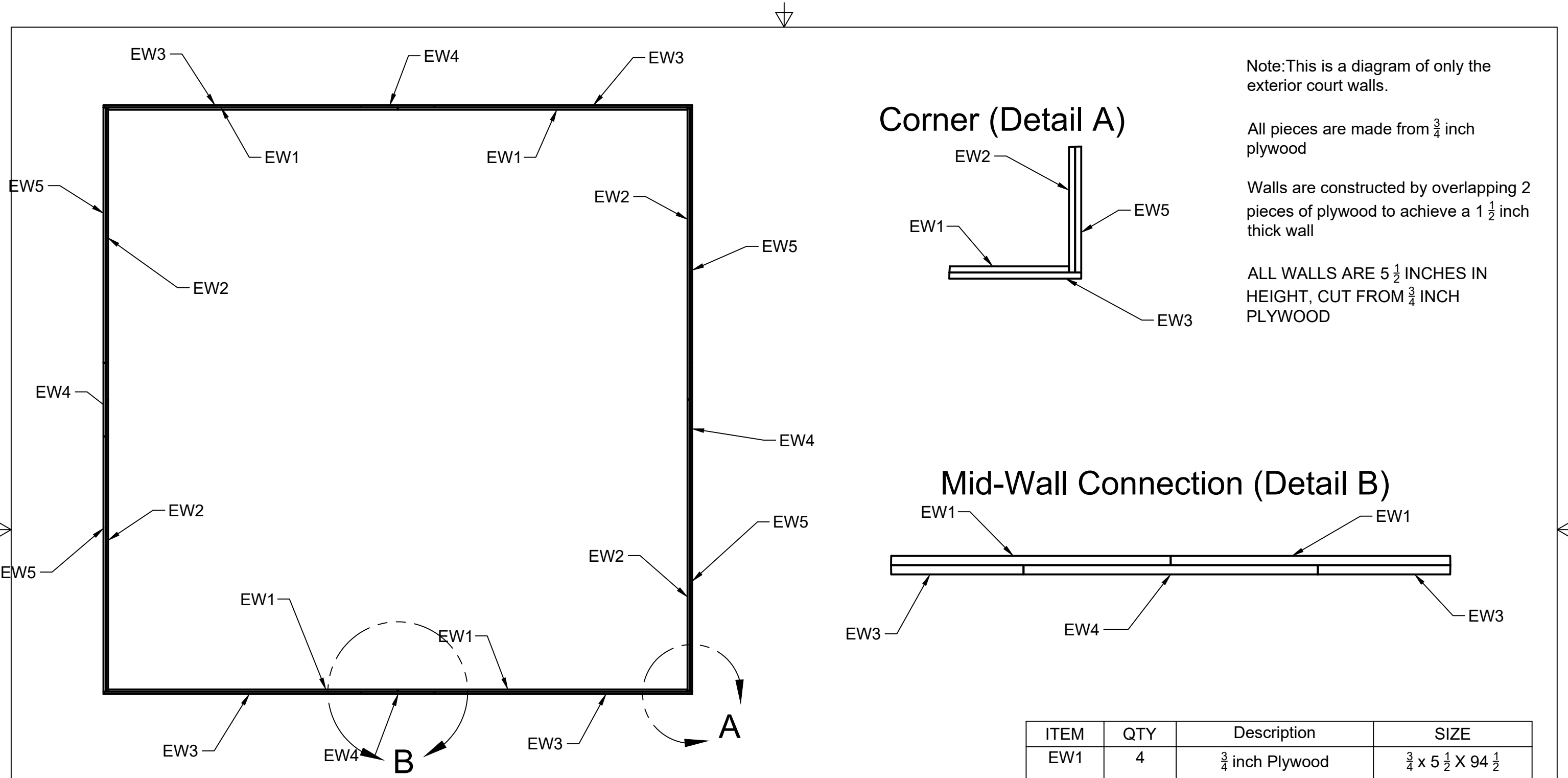
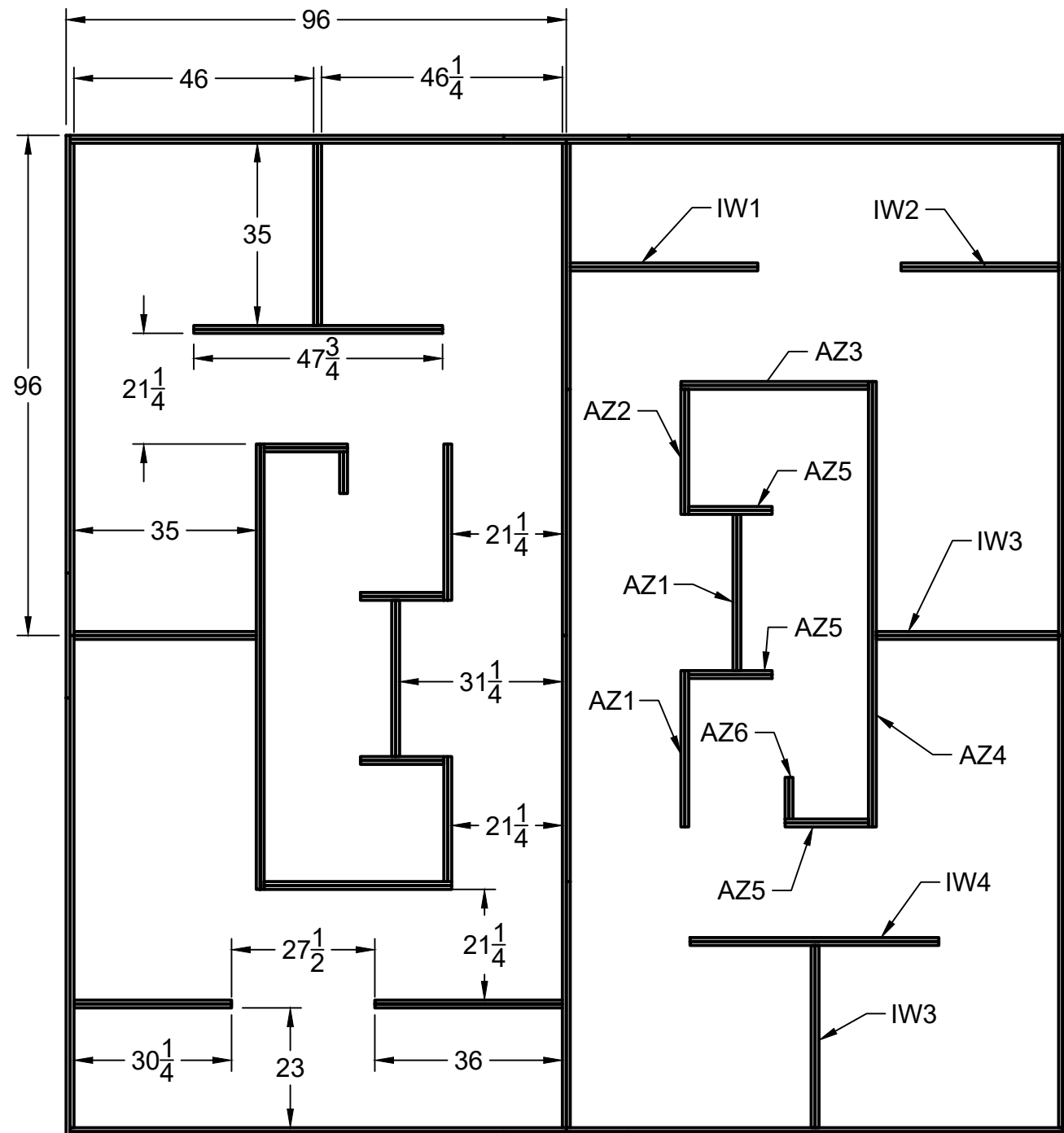




PROJECT: Skills Nationals 2026	DRAWING NUMBER: 1/2	SCALE: 1:24	 Skills Compétences Canada Toronto2026	Mobile Robotics National Drawings Toronto, Ontario May 28 and May 29, 2026
DRAWING TITLE: 2025-2026 Court	DRAWN BY: Steve Claassen	DATE: 2025-06-29		



ITEM	QTY	Description	SIZE
EW1	4	$\frac{3}{4}$ inch Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 94 \frac{1}{2}$
EW2	4	$\frac{3}{4}$ inch Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 95 \frac{1}{4}$
EW3	4	$\frac{3}{4}$ inch Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 84$
EW4	4	$\frac{3}{4}$ inch Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 24$
EW5	4	$\frac{3}{4}$ inch Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 83 \frac{1}{4}$



Notes:

Exterior wall details are on a separate drawing
Centre wall details are on a separate drawing
Autonomous Zone details are on a separate drawing.
All materials are $\frac{3}{4}$ plywood

ITEM	QTY	Description	SIZE
AZ1	8	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 30$
AZ2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 24$
AZ3	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 36$
AZ4	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 85 \frac{1}{2}$
AZ5	12	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 16$
AZ6	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 8$
IW1	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 36$
IW2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 30 \frac{1}{4}$
IW3	8	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 35$
IW4	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 47 \frac{3}{4}$

PROJECT:

Skills Nationals 2026

DRAWING TITLE:

2025-2026 Court

DRAWING NUMBER:

1/5

DRAWN BY:

Steve Claassen

SCALE:

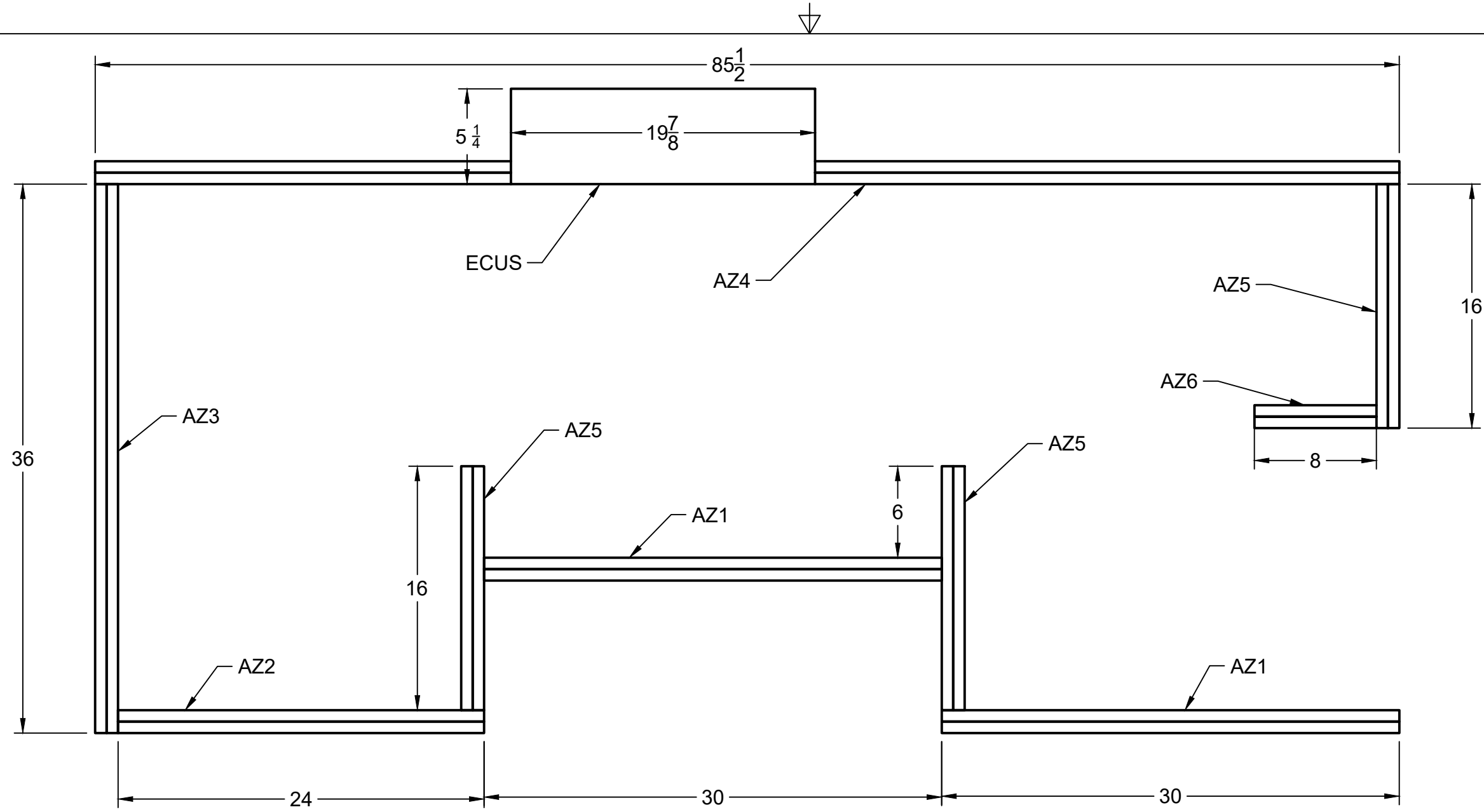
1:50

DATE:

2025-07-04



Mobile Robotics National Drawings
Toronto, Ontario May 28 and May 29, 2026



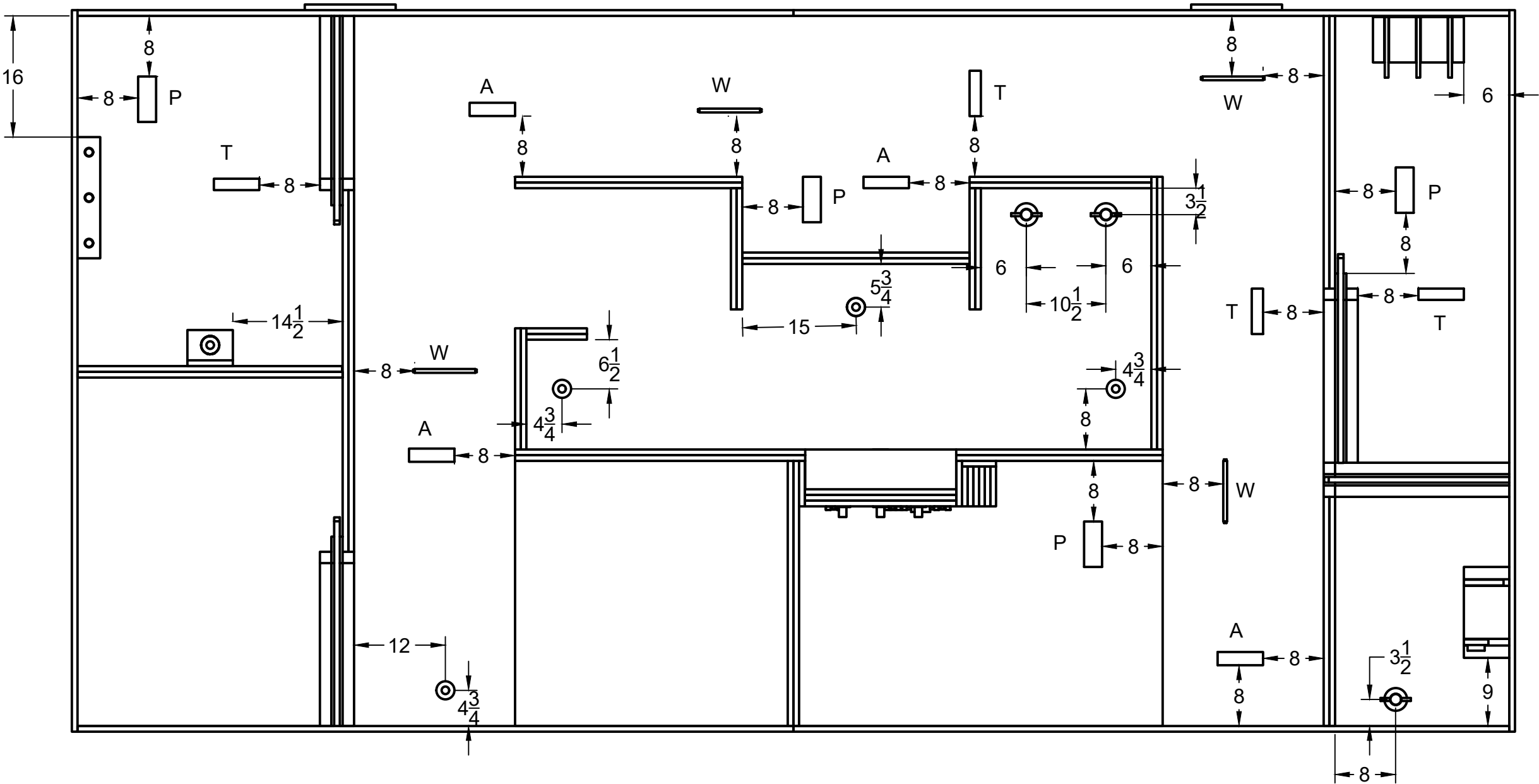
Autonomous Zone

ITEM	QTY	Description	SIZE
AZ1	8	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 30$
AZ2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 24$
AZ3	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 36$
AZ4	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 85 \frac{1}{2}$
AZ5	12	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 16$
AZ6	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{2} \times 8$
ECUS	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \frac{1}{4} \times 19 \frac{7}{8}$

DEBRIS LEGEND
P - Pool Noodle
T = 2x2
A - ABS Pipe
W - Wire

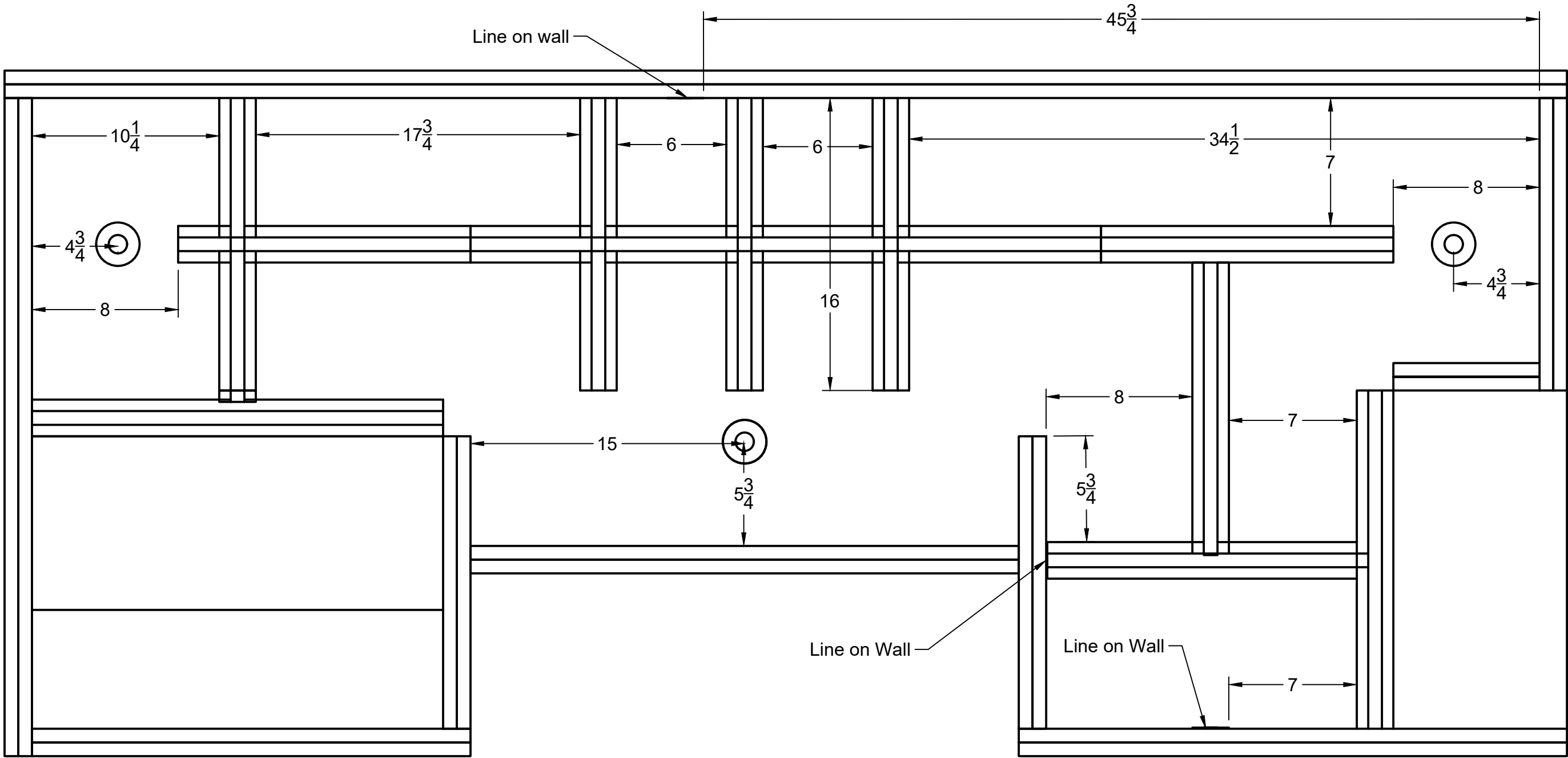
Debris/Object Layout

Note: For simplicity of the debris layout, 8in was chosen to help with layout and resetting of the court. Use a 2x2 or 2x4 to place debris
When no dimension is given for the debris location, the Debris is centred or inline with an adjacent or perpendicular wall.



Autonomous Line Layout

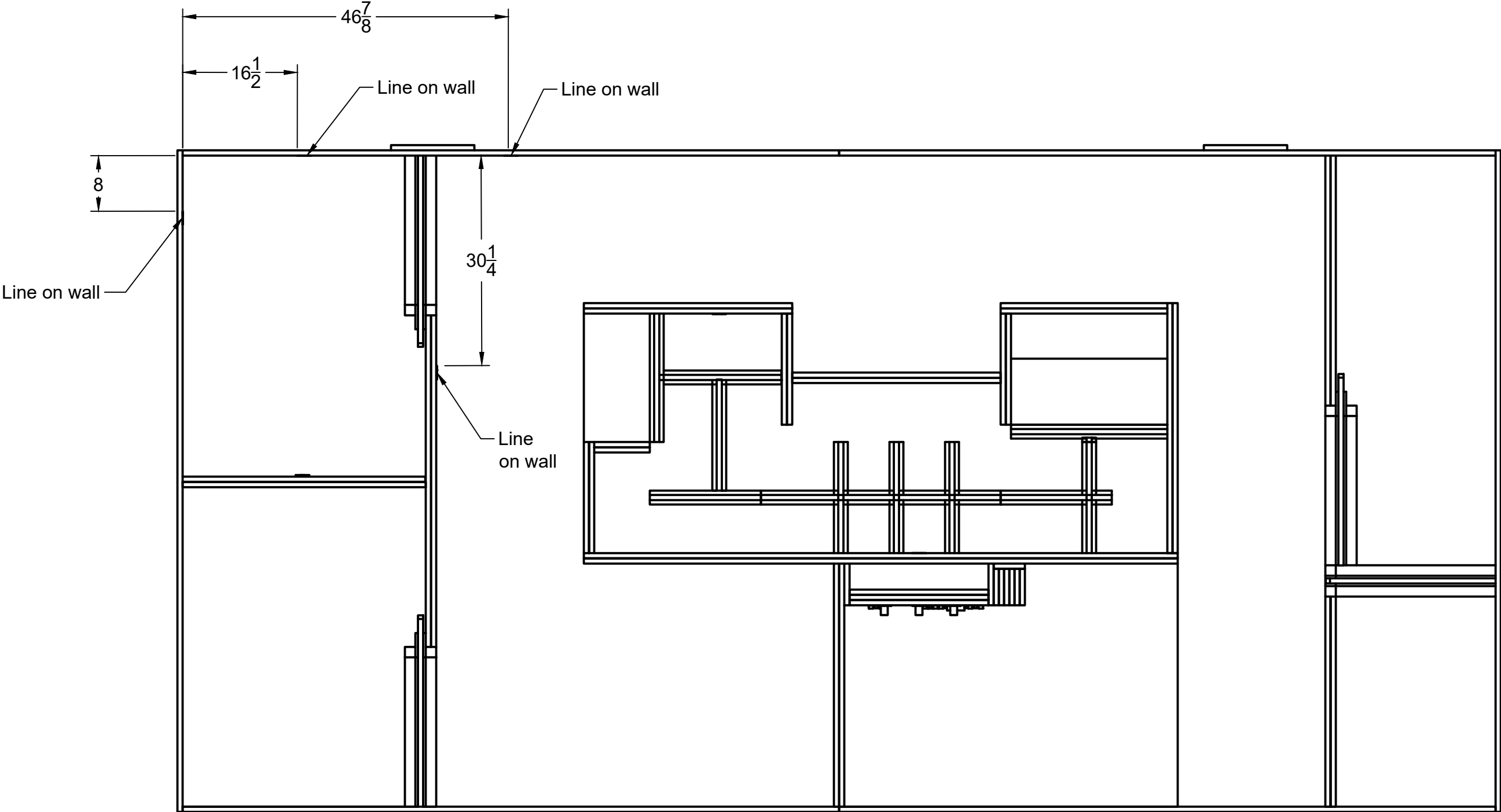
Note: This is the note area.

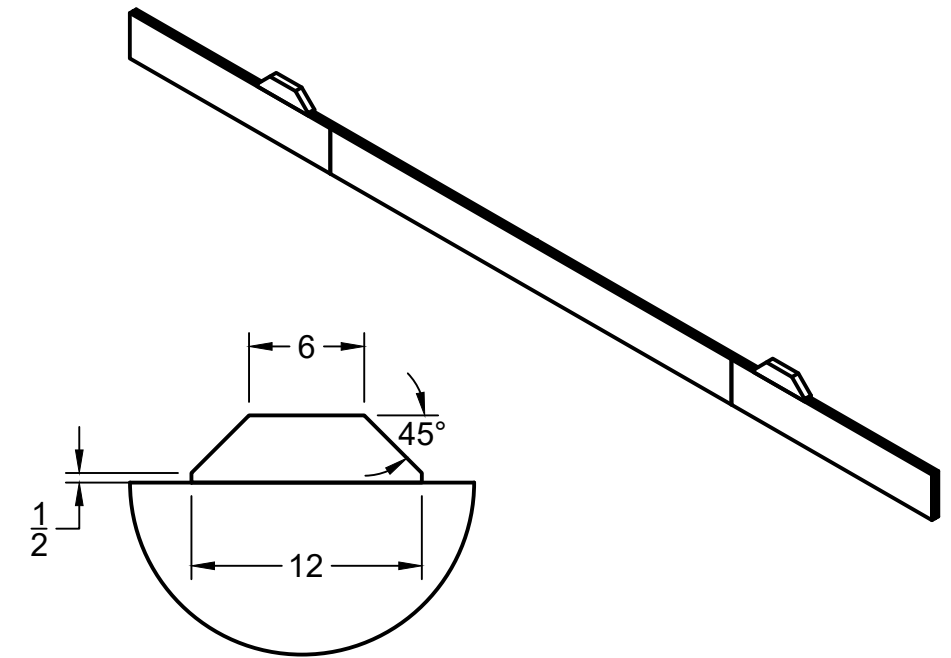
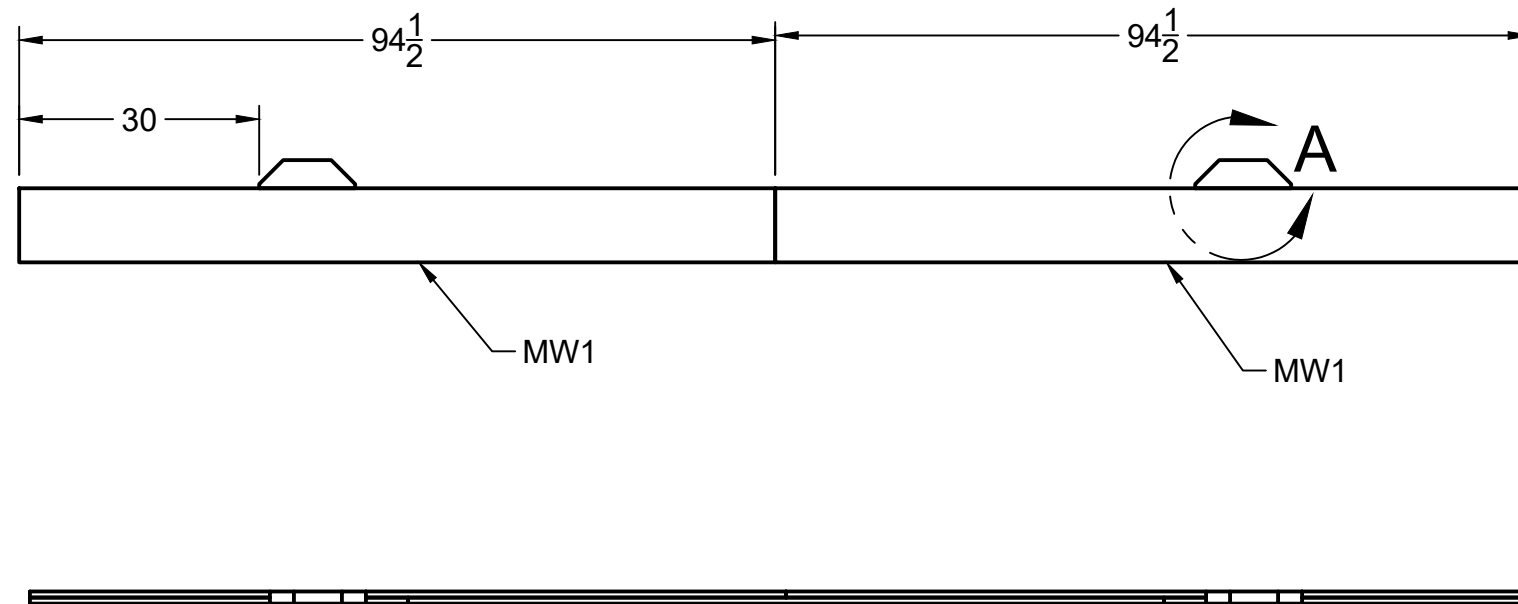


PROJECT: Skills Nationals 2026	DRAWING NUMBER: 4/5	SCALE: 1:50		Mobile Robotics National Drawings Toronto, Ontario May 28 and May 29, 2026
DRAWING TITLE: 2025-2026 Court	DRAWN BY: Steve Claassen	DATE: 2025-07-04		

Autonomous Line Layout (Continued)

Note: This is the note area.



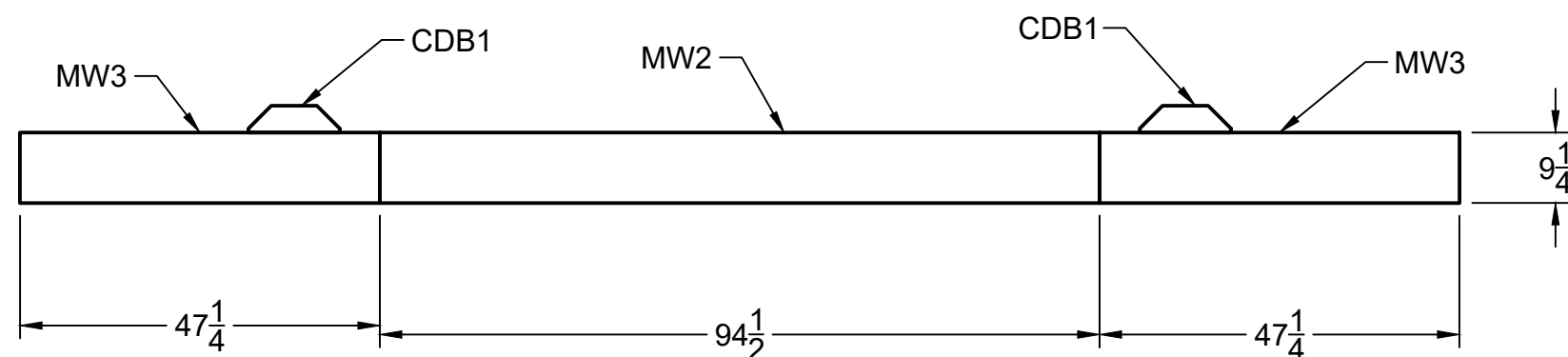


DETAIL A
SCALE 1:10

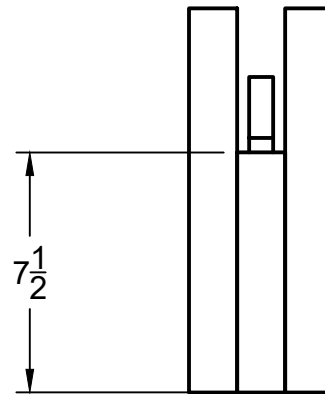
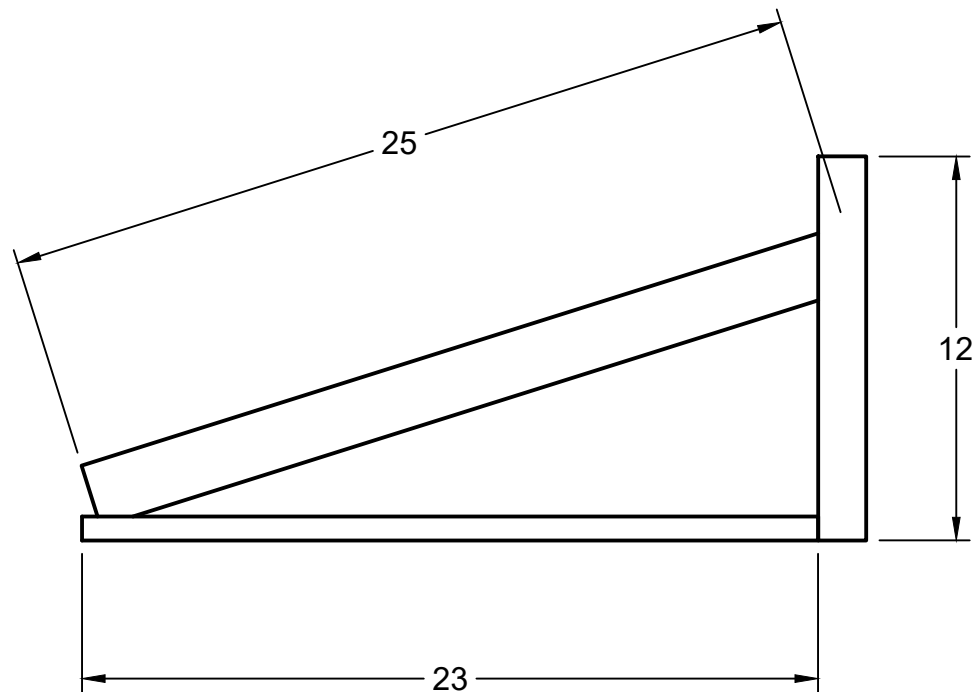
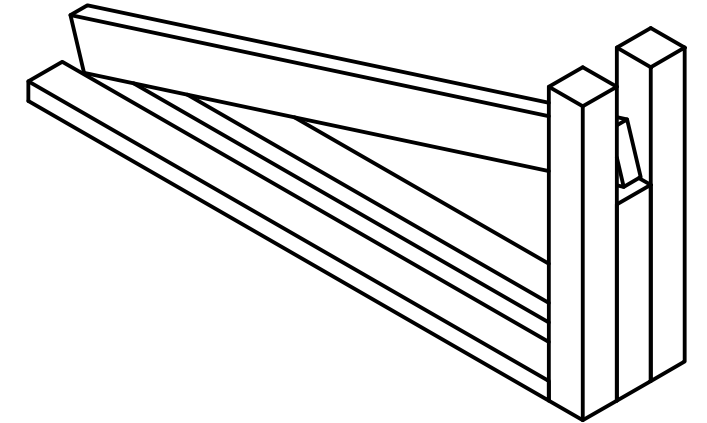
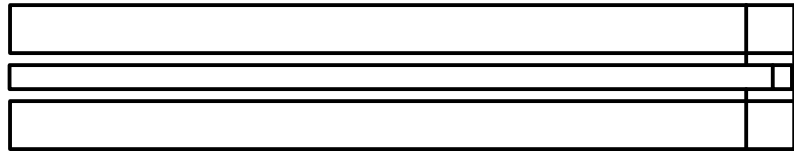
Note: This middle wall is constructed using 5 pieces of $\frac{3}{4}$ inch plywood that have been laminated together, using a pattern that overlaps the pieces to make it 1 1/2 in thick.

CDB1 is a 2x4 block that will help prevent movement of the Failed Beam attached to the centre Wall into the opponents court.

Details of the piece sizes are located on the Plywood Layout Cut sheets

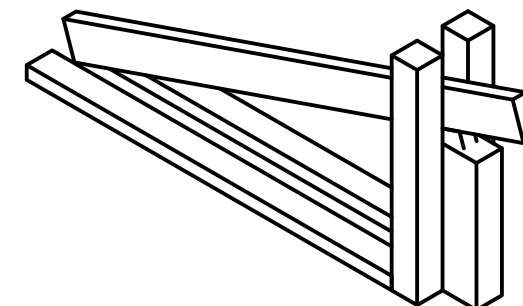
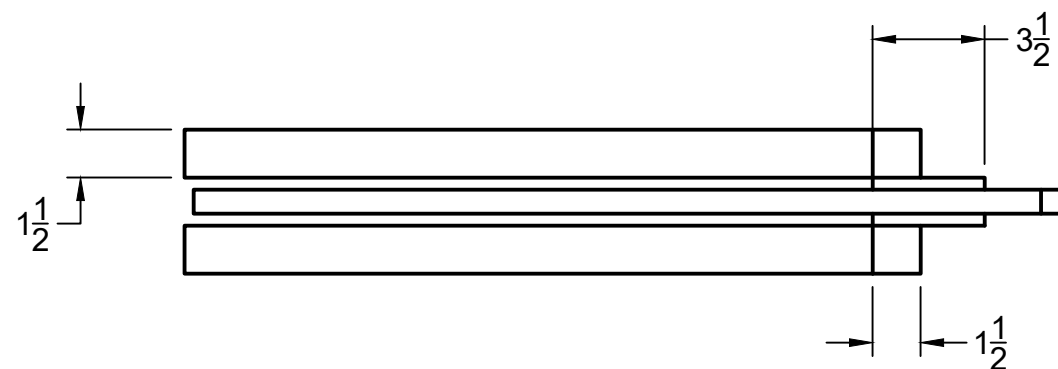


ITEM	QTY	Description	SIZE
MW1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 9 \frac{1}{4} \times 94 \frac{1}{2}$
MW2	1	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 9 \frac{1}{4} \times 94 \frac{1}{2}$
MW3	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 9 \frac{1}{4} \times 47 \frac{1}{4}$
CDB1	2	2 x 4 Lumber	$1 \frac{1}{2} \times 3 \frac{1}{2} \times 12$

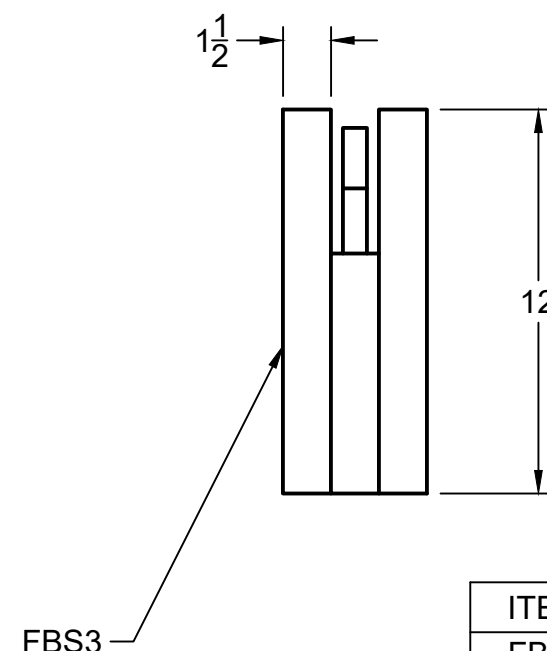
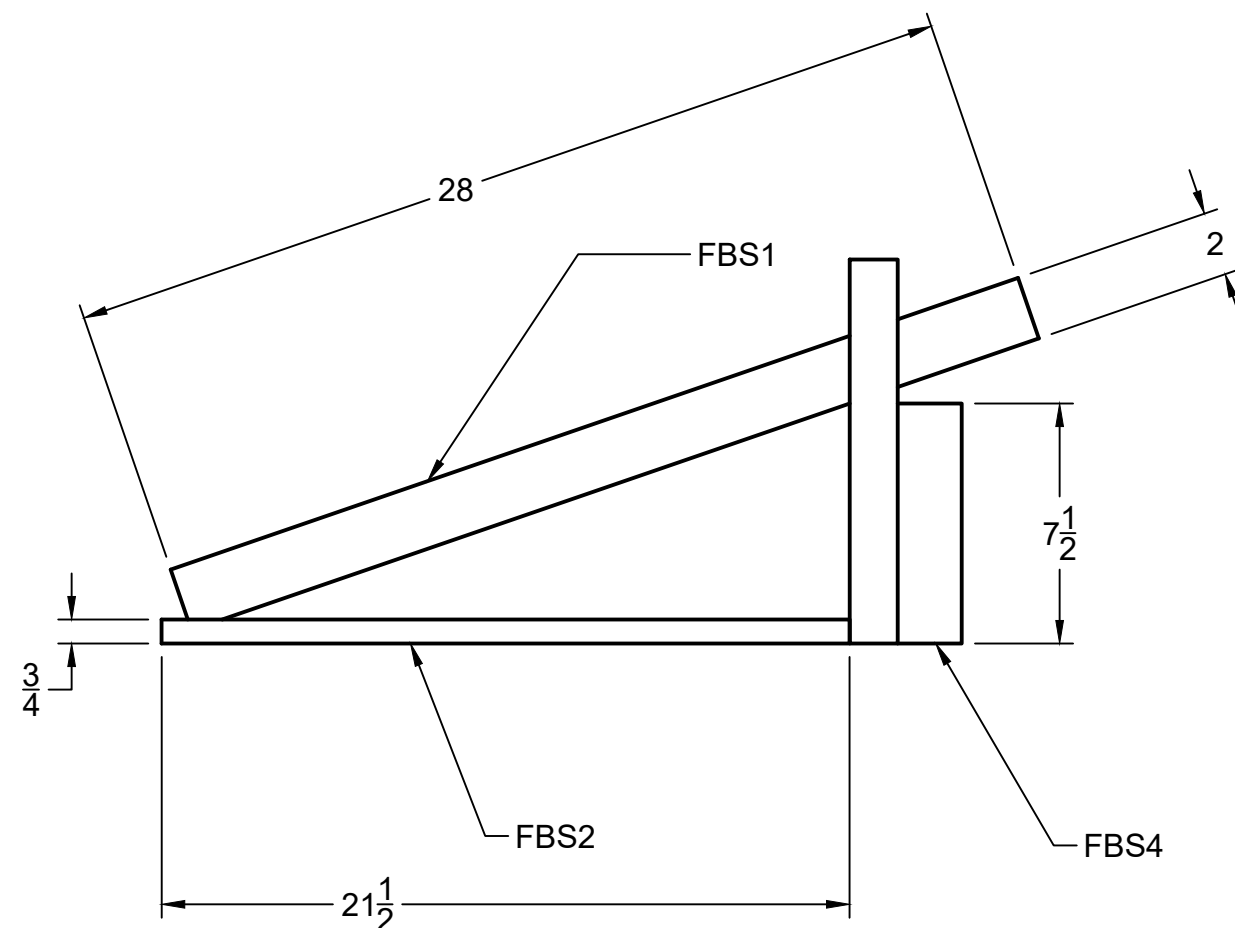


NOTE: There are TWO different types of fallen beams and 2 of this version (1 for each side of the field) are required.
The difference is how they get attached to the interior walls

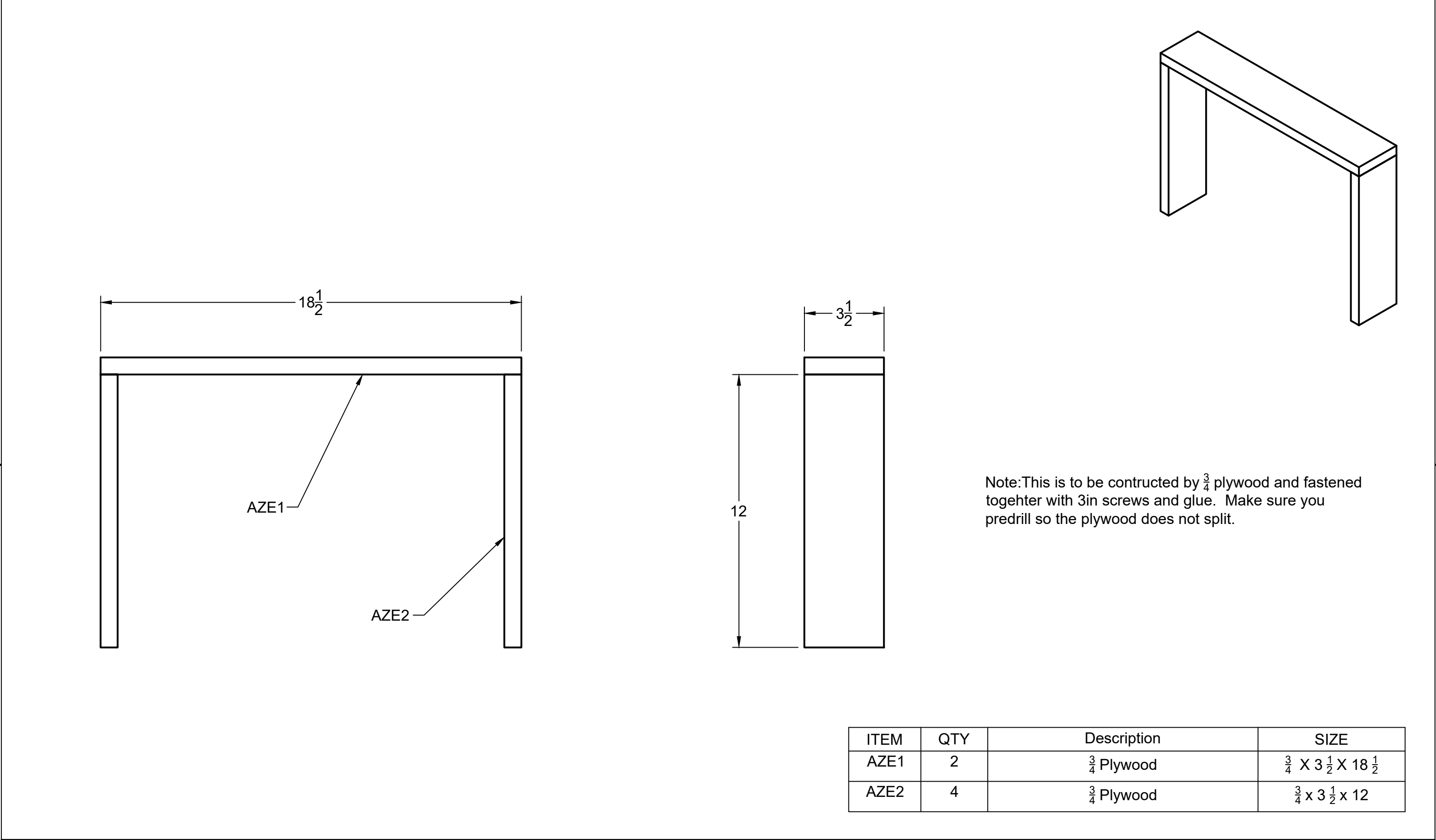
ITEM	QTY	Description	SIZE
FBP1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 2 X $26\frac{1}{2}$
FBP2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ x $1\frac{1}{2}$ x $24\frac{1}{2}$
FBP3	4	Standard 2x2 Lumber	$1\frac{1}{2}$ X $1\frac{1}{2}$ X 12
FBP4	2	Standard 2x4 Lumber	$1\frac{1}{2}$ X $3\frac{1}{2}$ X $7\frac{1}{2}$



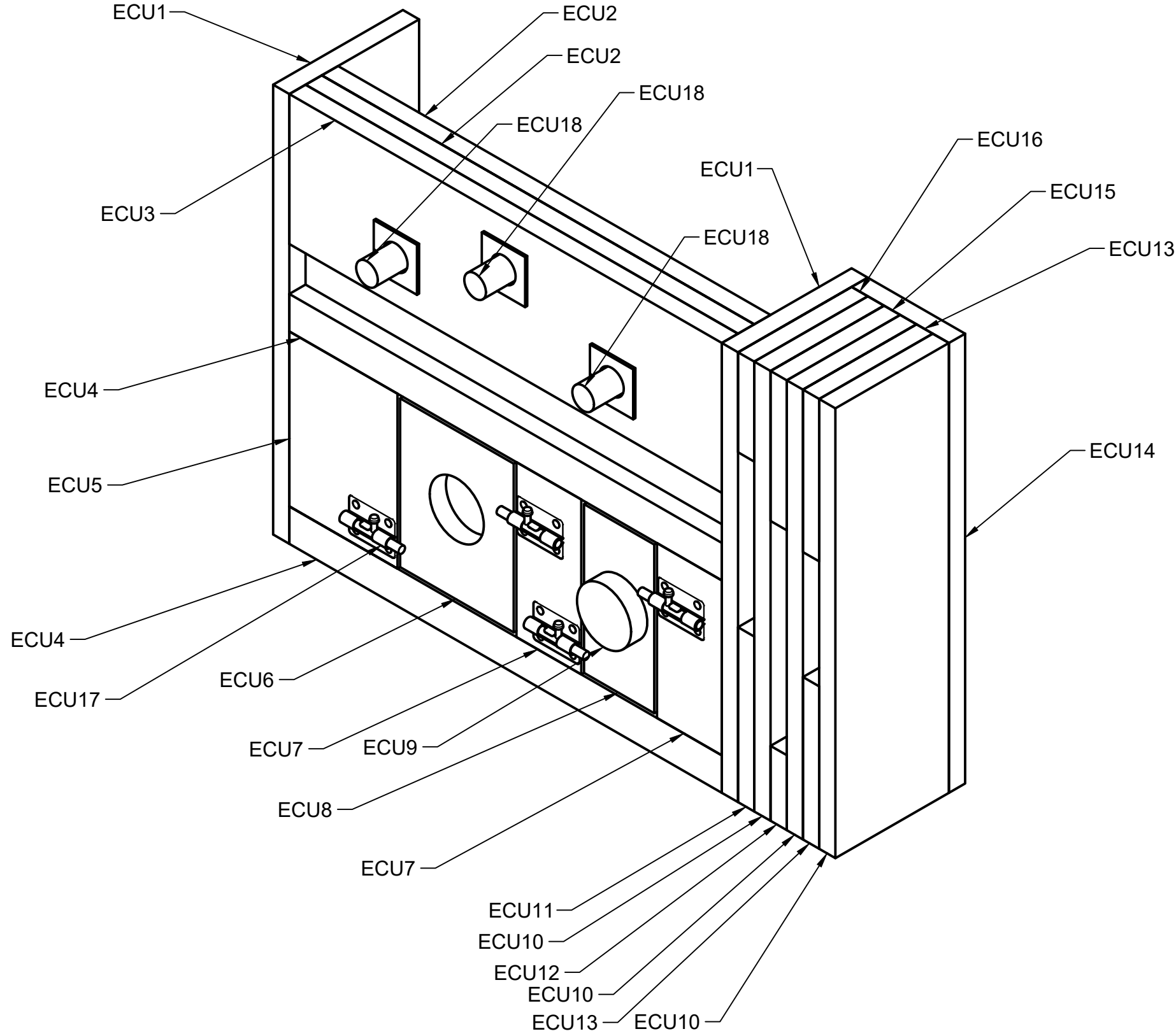
NOTE: There are TWO different types of fallen beams
This drawing requires 6 of this version (3 for each side of
the field).
The difference is how they get attached to the interior
walls



ITEM	QTY	Description	SIZE
FBS1	6	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 2 X 28
FBS2	12	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ x $1\frac{1}{2}$ x $21\frac{1}{2}$
FBS3	12	Standard 2x2 Lumber	$1\frac{1}{2}$ X $1\frac{1}{2}$ X 12
FBS4	6	Standard 2x4 Lumber	$1\frac{1}{2}$ X $3\frac{1}{2}$ X $7\frac{1}{2}$



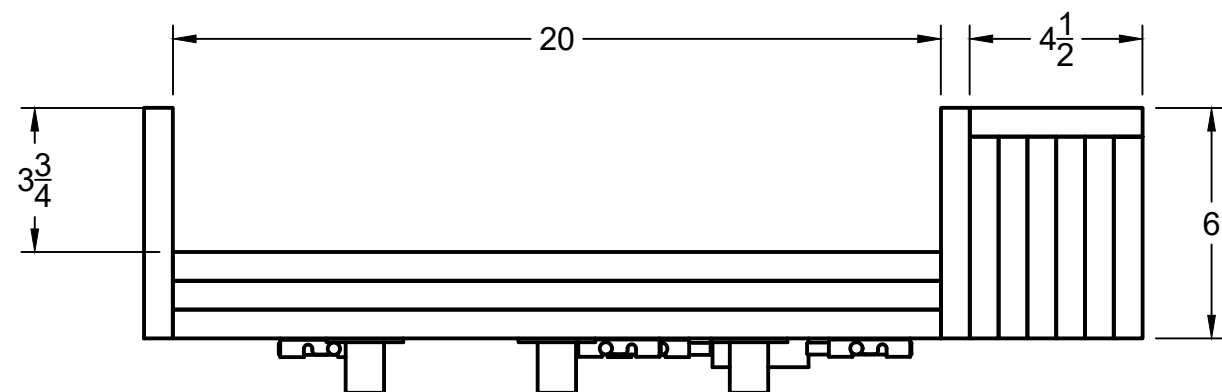
ITEM	QTY	Description	SIZE
AZE1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 3\frac{1}{2} \times 18\frac{1}{2}$
AZE2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 3\frac{1}{2} \times 12$



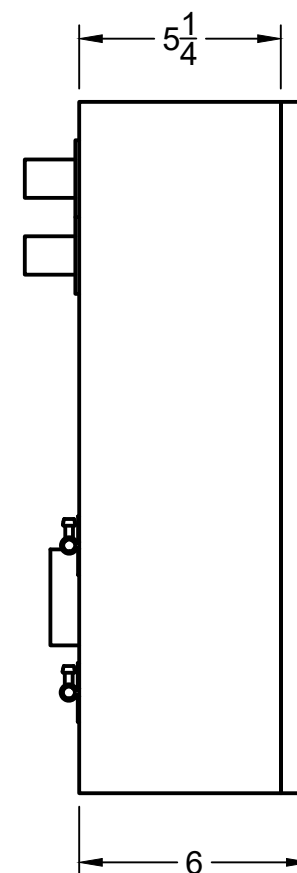
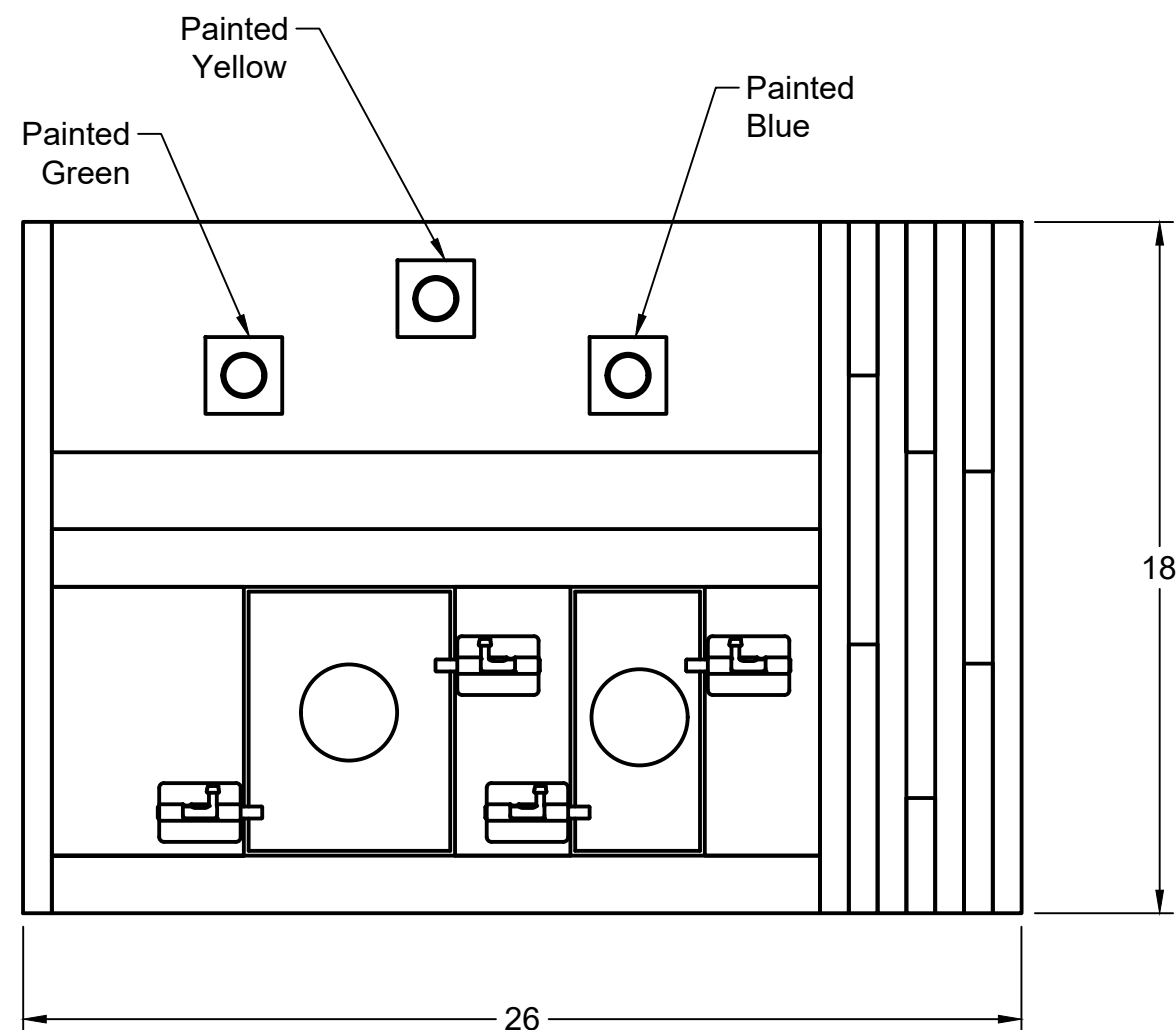
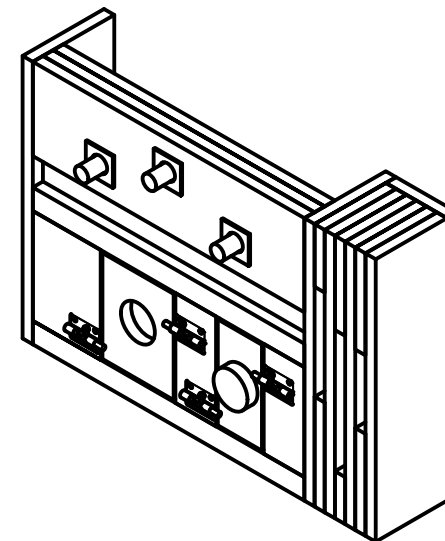
Note: All material is $\frac{3}{4}$ plywood
1" dowel for fuses @ 3in long
Each square around the fuse hole is to be coloured appropriately as labelled

ITEM	QTY	Description	SIZE
ECU1	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 6 \times 18$
ECU2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 18 \times 20$
ECU3	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 6 \times 20$
ECU4	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 1\frac{1}{2} \times 20$
ECU5	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5 \times 7$
ECU6	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5\frac{1}{4} \times 6\frac{3}{4}$
ECU7	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 3 \times 7$
ECU8	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 3\frac{1}{4} \times 6\frac{3}{4}$
ECU9	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 2\frac{1}{4}$
ECU10	6	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5\frac{1}{4} \times 18$
ECU11	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5\frac{1}{4} \times 7$
ECU12	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 3 \times 5\frac{1}{4}$
ECU13	4	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5\frac{1}{4} \times 6\frac{1}{2}$
ECU14	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 4\frac{1}{2} \times 18$
ECU15	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 5\frac{1}{4} \times 6\frac{1}{2}$
ECU16	2	$\frac{3}{4}$ Plywood	$\frac{3}{4} \times 4 \times 5\frac{1}{4}$
ECU17	8	3" Barrel Bolt	https://bit.ly/23BarrelBolts
ECU18	12	1" Dowel	1" x 3"

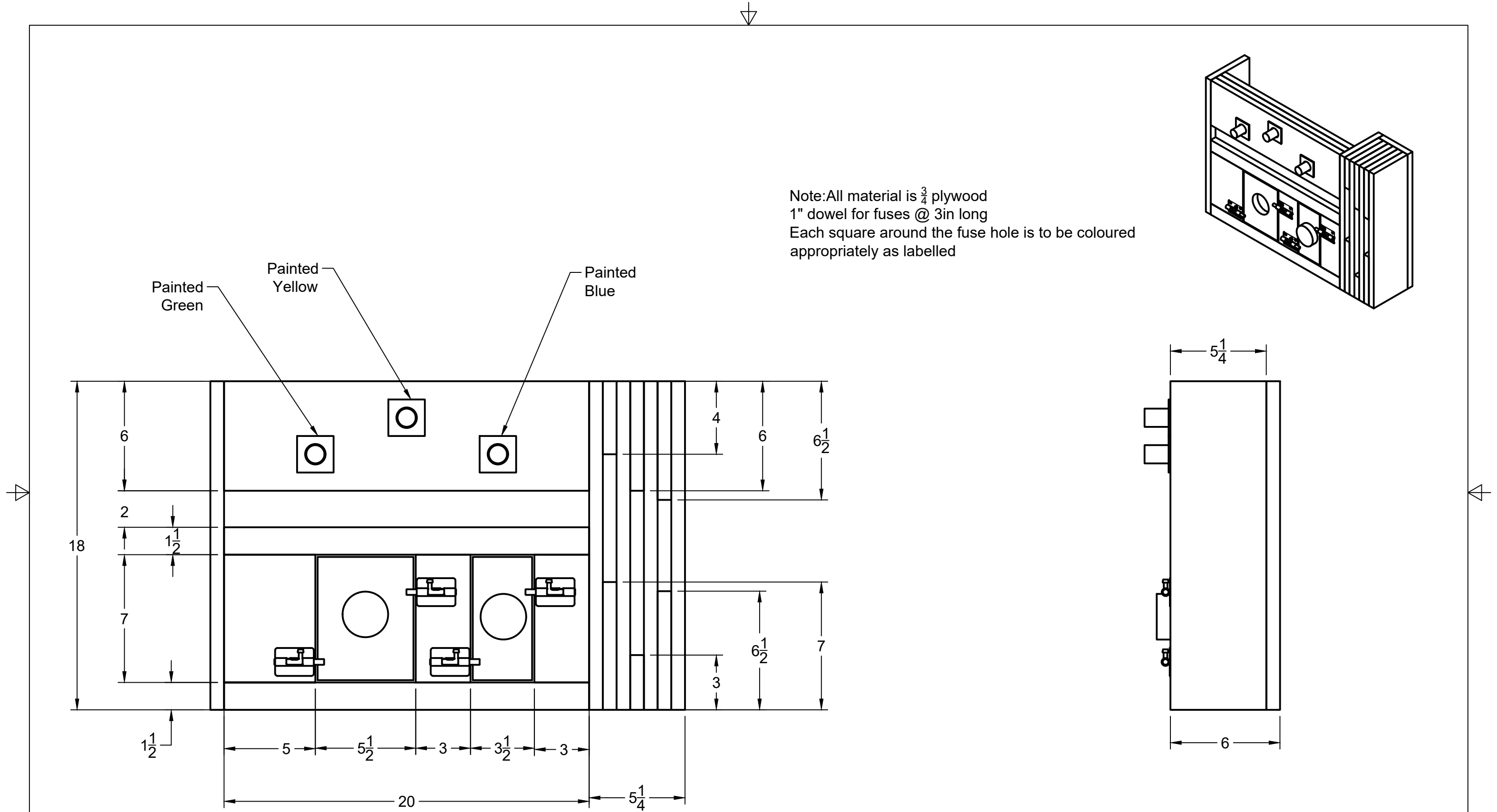




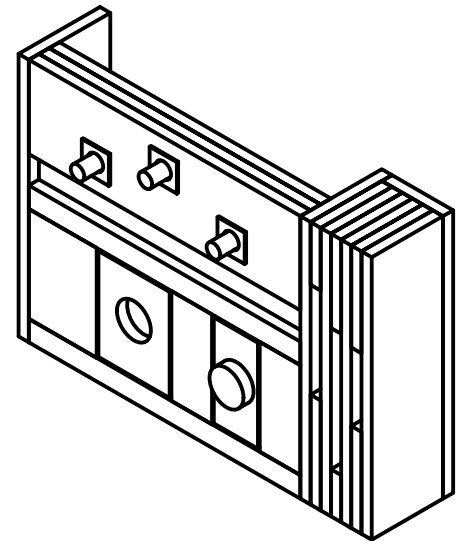
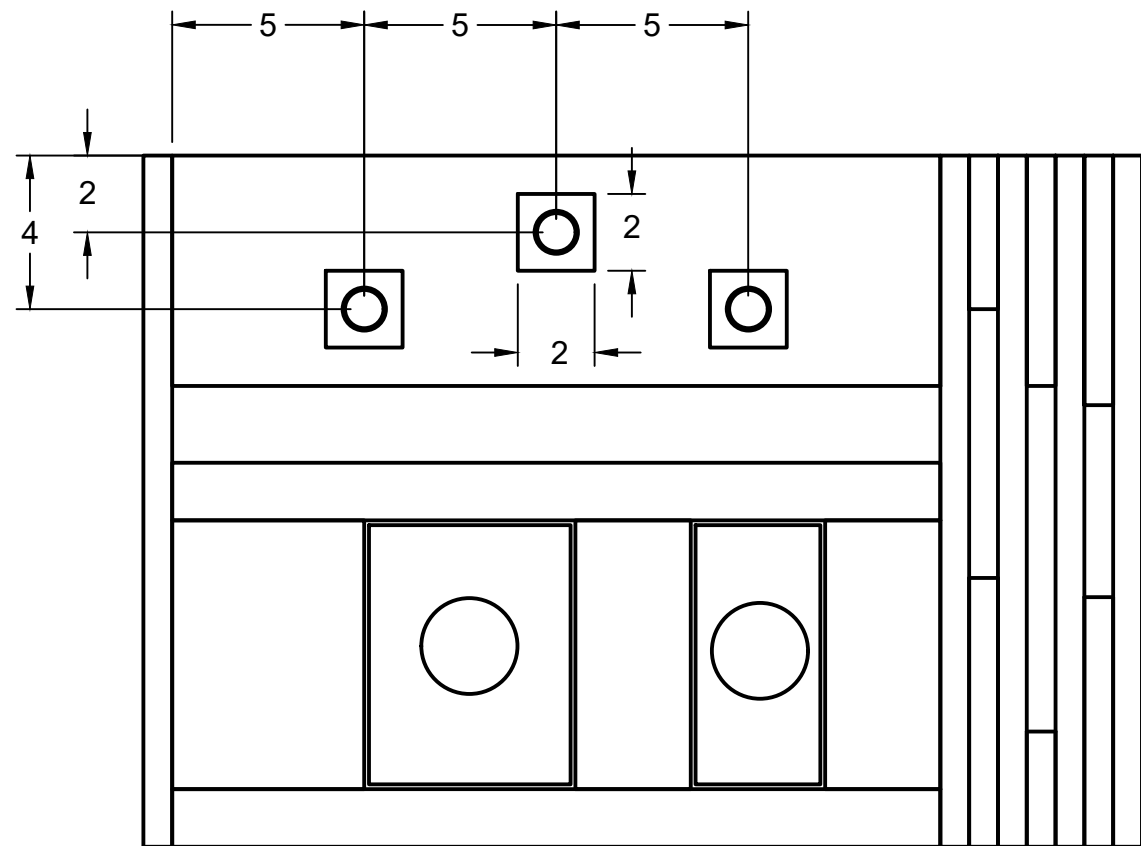
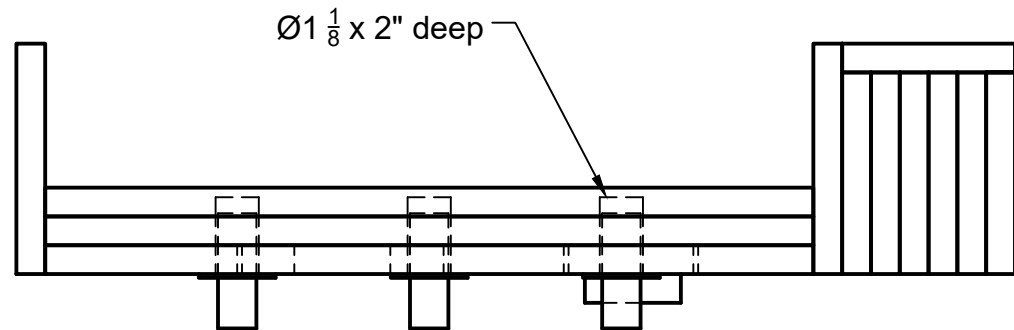
Note: All material is $\frac{3}{4}$ plywood
 1" dowel for fuses @ 3in long
 Each square around the fuse hole is to be coloured appropriately as labelled



PROJECT: Skills Nationals 2026	DRAWING NUMBER: 2/4	SCALE: 1:6	 Skills Compétences Canada Toronto2026	Mobile Robotics National Drawings Toronto, Ontario May 28 and May 29, 2026
DRAWING TITLE: Electronic Control Unit (ECU)	DRAWN BY: Steve Claassen	DATE: 2025-07-05		

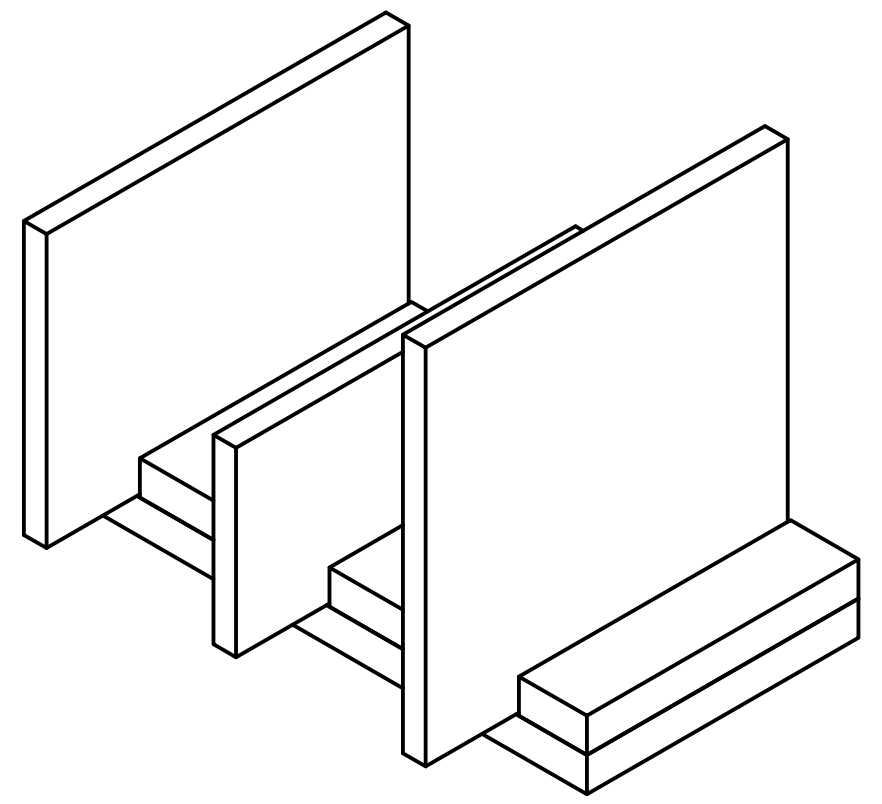
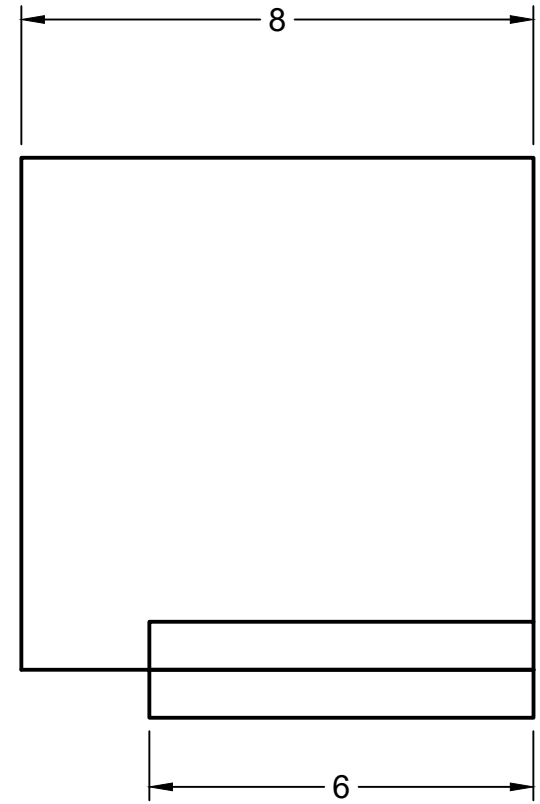
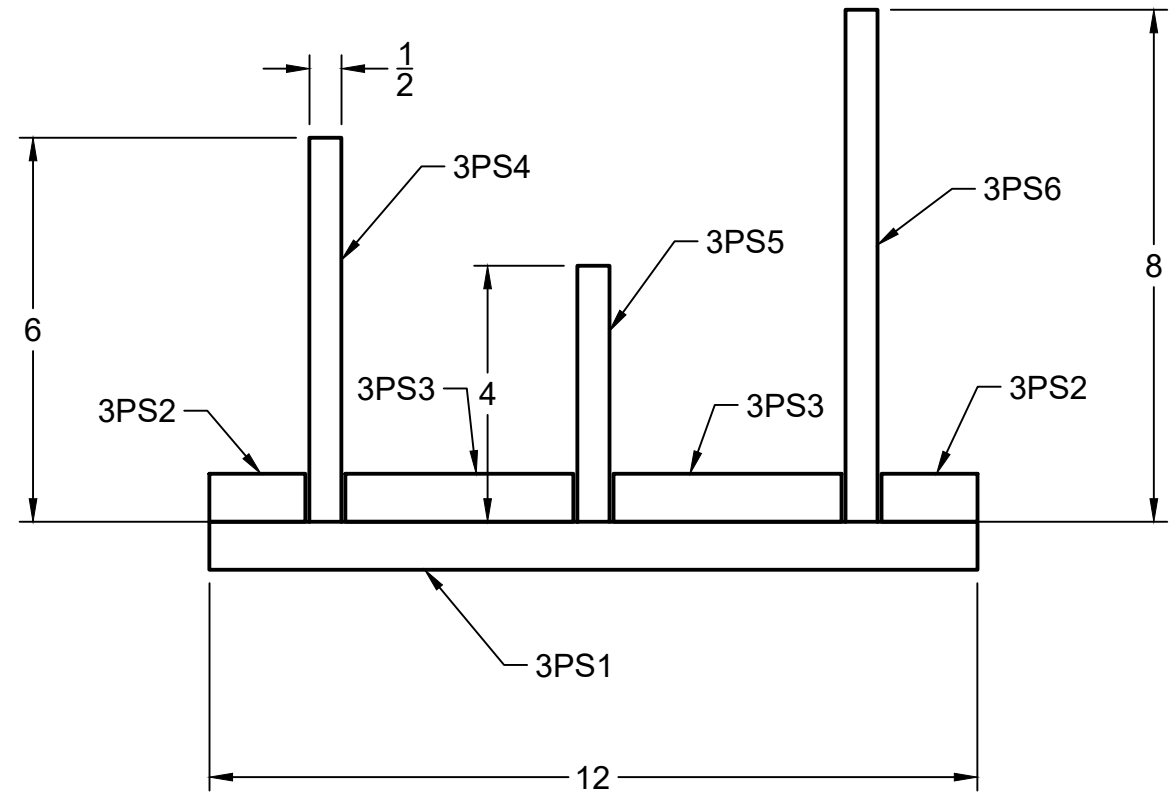
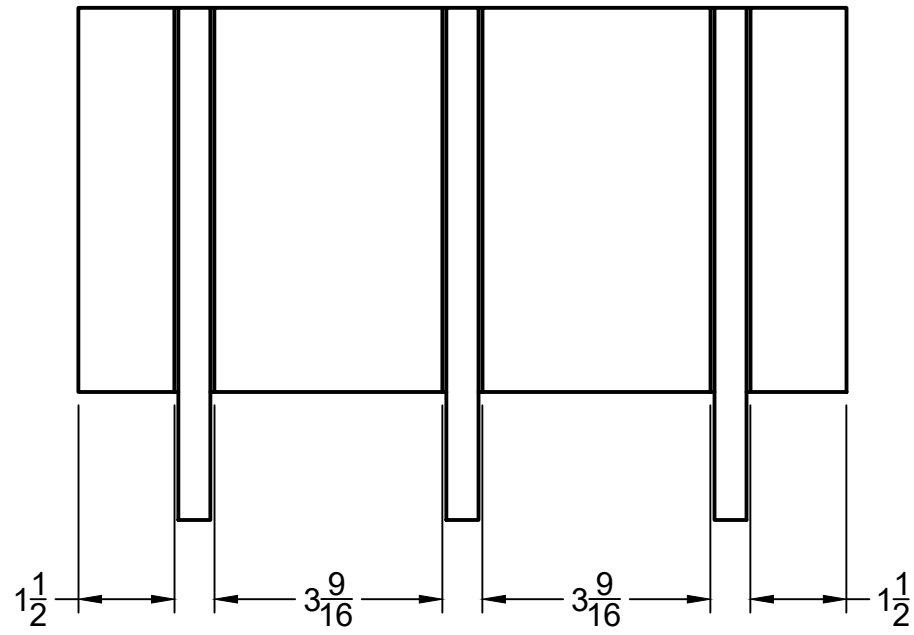


PROJECT: Skills Nationals 2026	DRAWING NUMBER: 3/4	SCALE: 1:6	 Skills Compétences Canada Toronto2026	Mobile Robotics National Drawings Toronto, Ontario May 28 and May 29, 2026
DRAWING TITLE: Electronic Control Unit (ECU)	DRAWN BY: Steve Claassen	DATE: 2025-07-05		



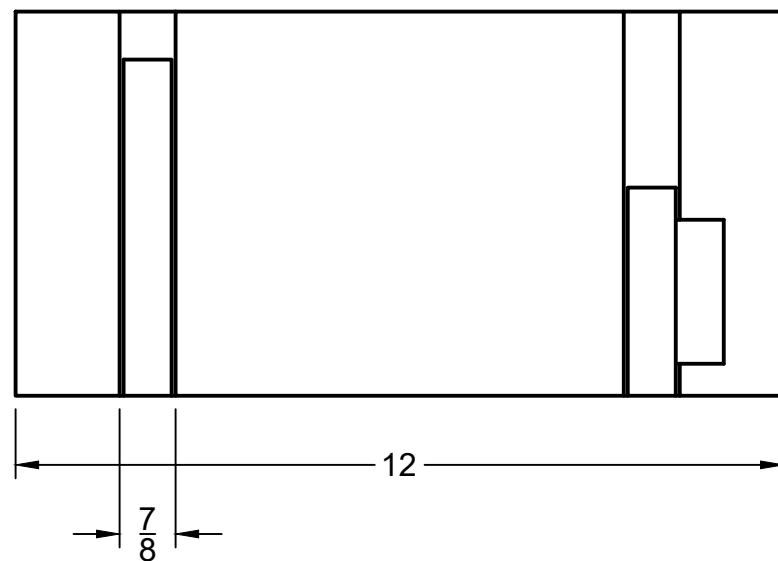
Note: All material is $\frac{3}{4}$ plywood
1" dowel for fuses @ 3in long
Each square around the fuse hole is to be coloured appropriately as labelled

PROJECT: Skills Nationals 2026	DRAWING NUMBER: 4/4	SCALE: 1:6	 Skills Compétences Canada Toronto2026	Mobile Robotics National Drawings Toronto, Ontario May 28 and May 29, 2026
DRAWING TITLE: Electronic Control Unit (ECU)	DRAWN BY: Steve Claassen	DATE: 2025-07-05		

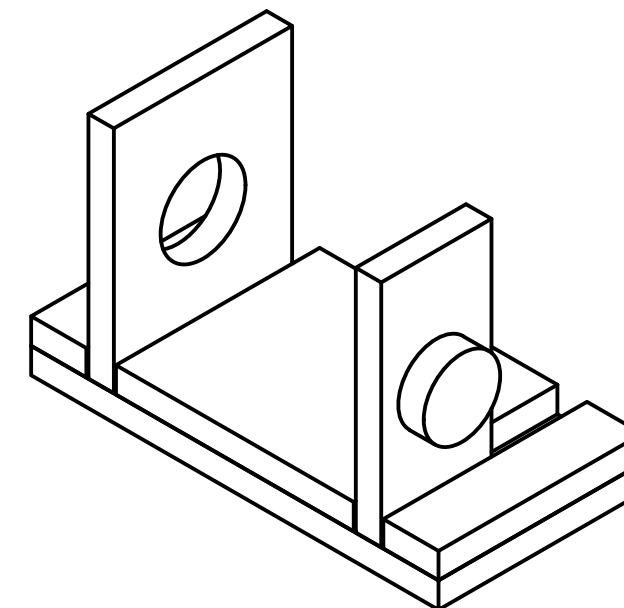


Note: Ensure the spacing for the ECU pieces is 5/8in to allow for a "loose" fit of the 1/2in plywood.

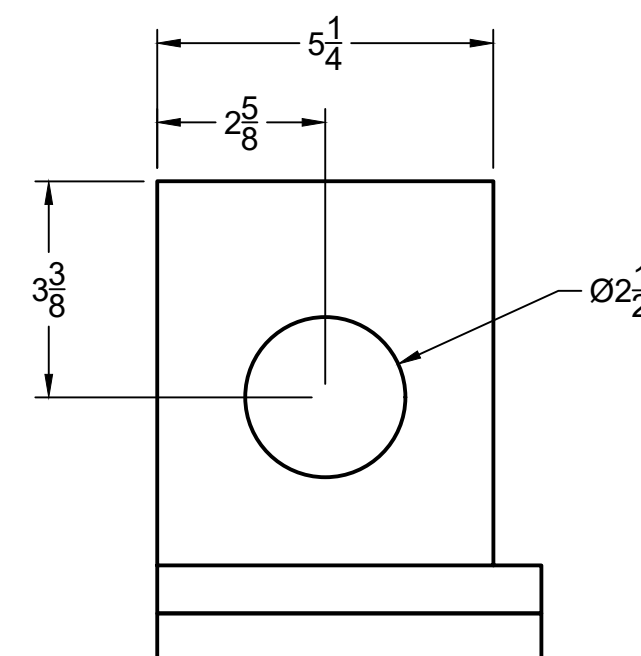
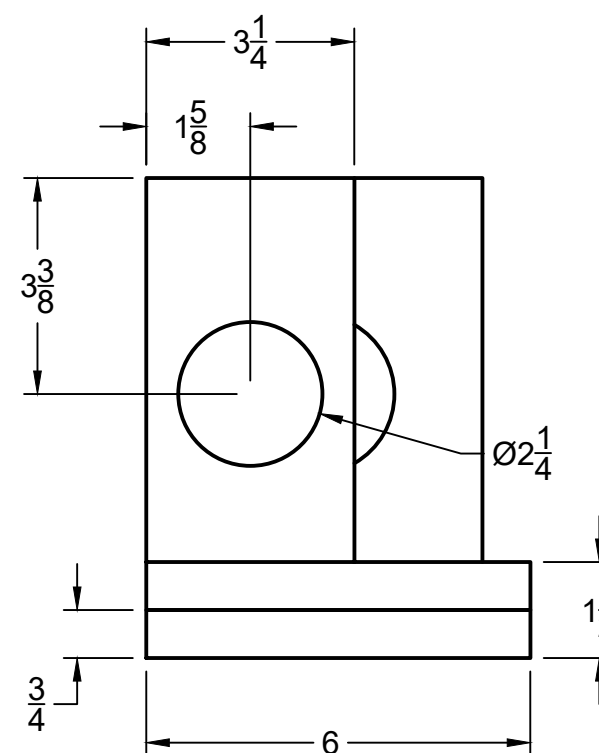
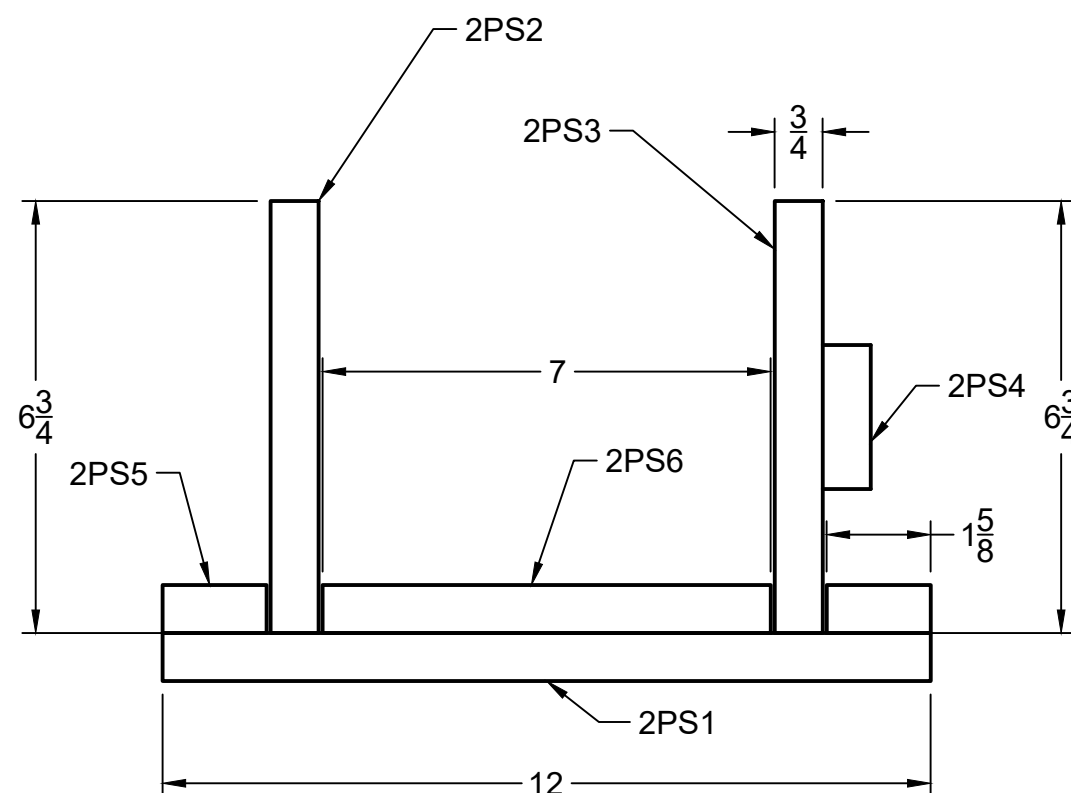
ITEM	QTY	Description	SIZE
3PS1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 6 X 12
3PS2	4	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $1\frac{1}{2}$ X 6
3PS3	4	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $3\frac{9}{16}$ X 6
3PS4	2	$\frac{1}{2}$ Plywood	$\frac{1}{2}$ X 6 X 8
3PS5	2	$\frac{1}{2}$ Plywood	$\frac{1}{2}$ X 4 X 8
3PS6	2	$\frac{1}{2}$ Plywood	$\frac{1}{2}$ X 8 X 8

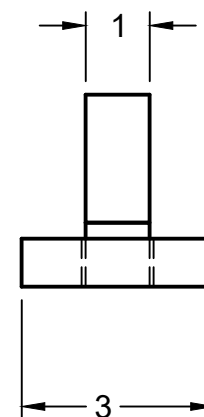
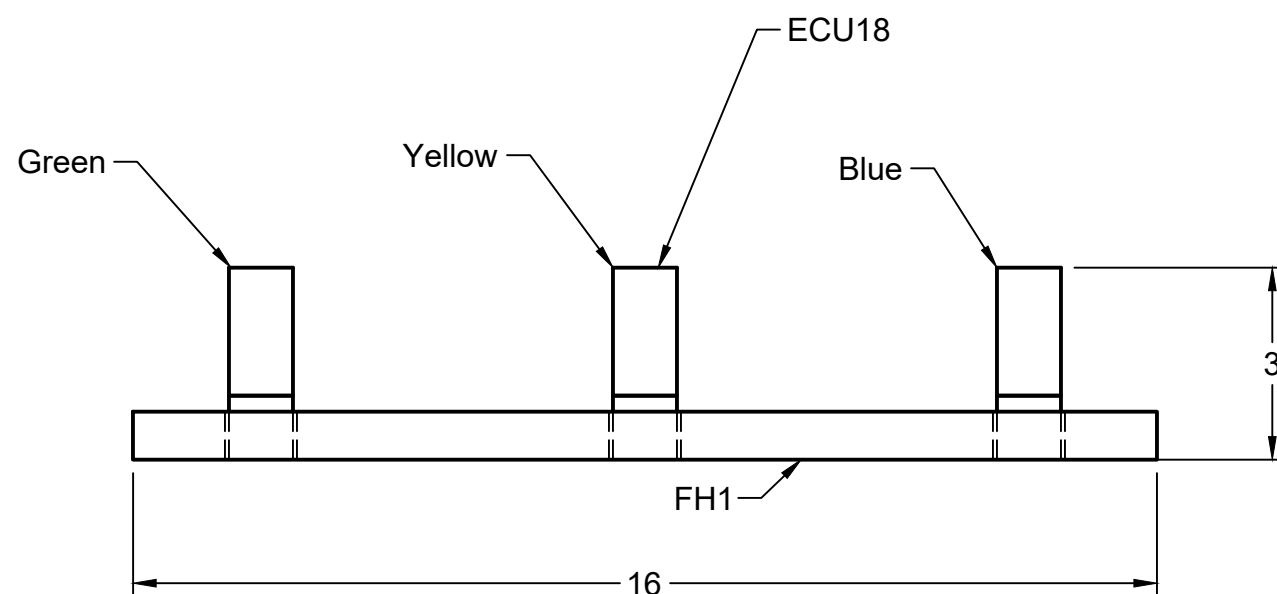
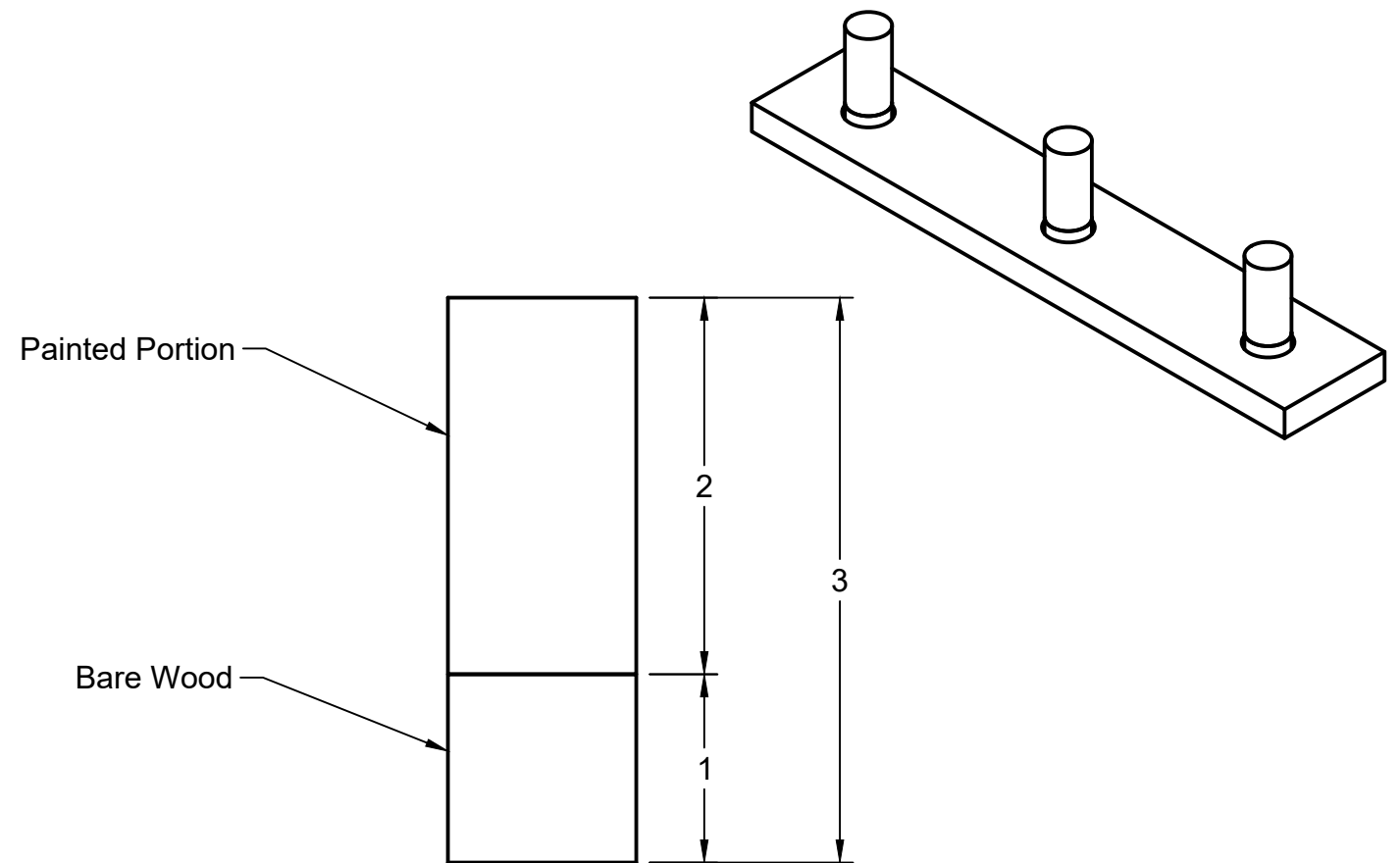
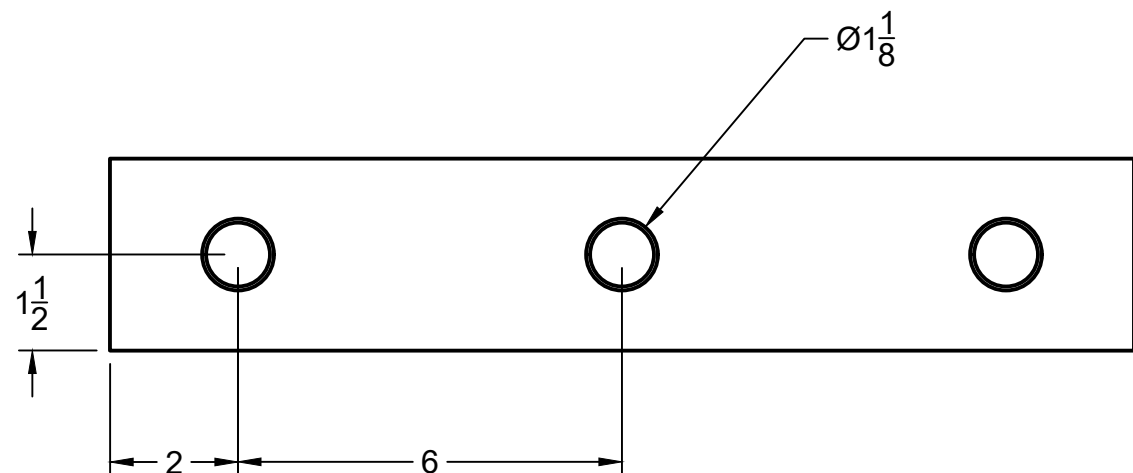


ITEM	QTY	Description	SIZE
2PS1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 6 X 12
2PS2	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $5\frac{1}{4}$ X $6\frac{3}{4}$
2PS3	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $3\frac{1}{4}$ X $6\frac{3}{4}$
2PS4	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $2\frac{1}{4}$
2PS5	4	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X $1\frac{5}{8}$ X 6
2PS6	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 6 X 7



Note: Ensure the spacing for the ECU pieces is 7/8in to allow for a "loose" fit of the 3/4in plywood.

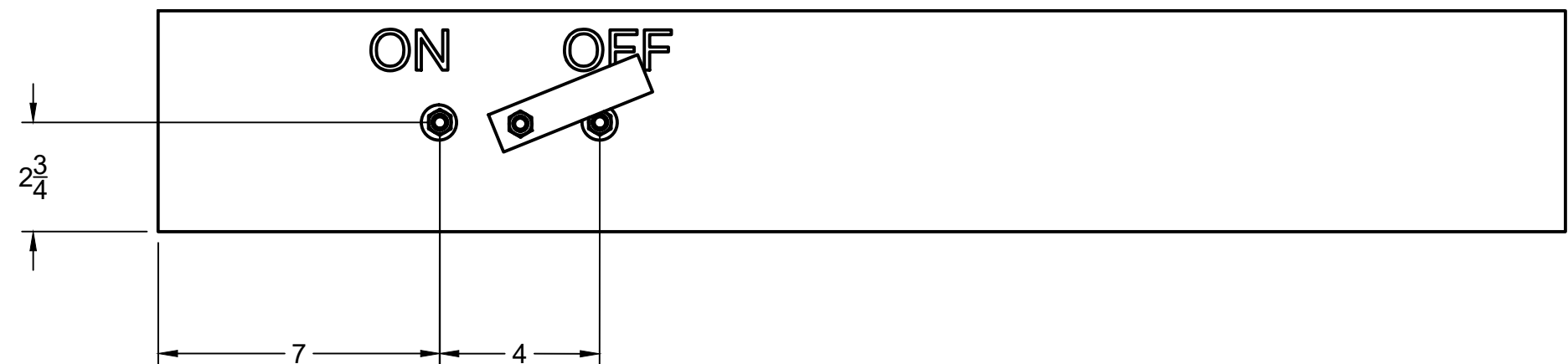




Note: Fuses (ECU18) are to be 1in diameter Dowel.
 Fuse holes will be drilled all the way through and be 1 1/8in in diameter to allow for easy removal.
 Fuses are painted for 2 inches of their length, and left unpainted for the last 1 inch.

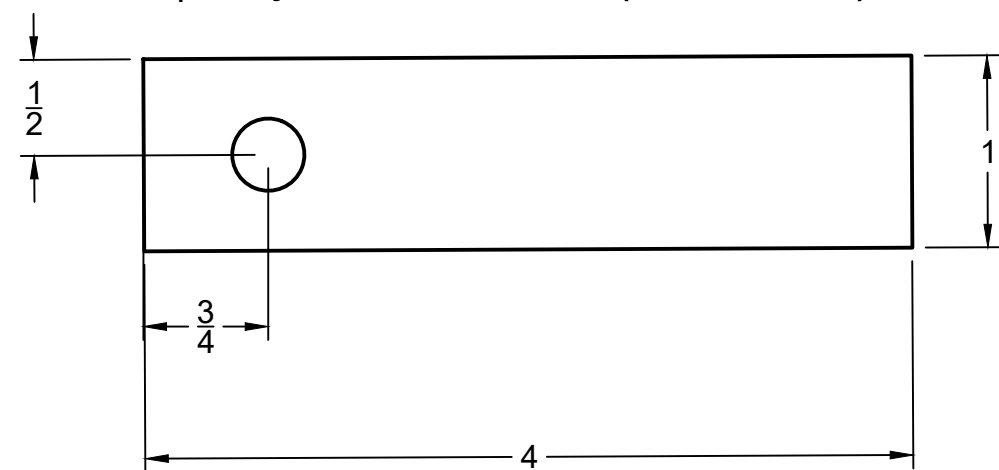
ITEM	QTY	Description	SIZE
FH1	2	$\frac{3}{4}$ Plywood	$\frac{3}{4}$ X 3 X 16
ECU18	12	1" Wooden Dowel (Painted)	1 X 3

Switch Layout on Lobby Wall

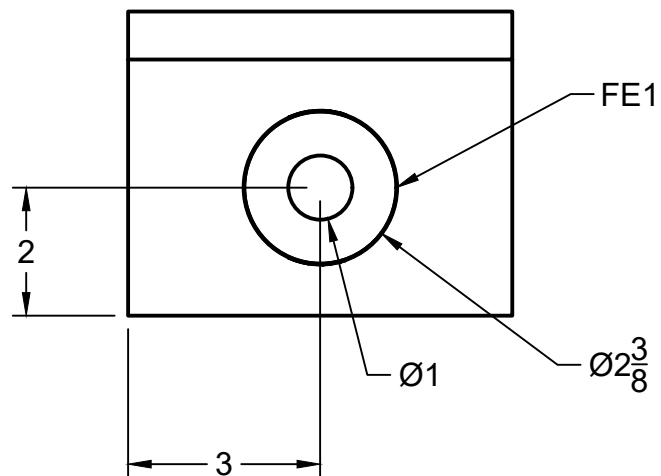


Note: The switch must have no resistance and be easily manipulated between the ON/OFF position

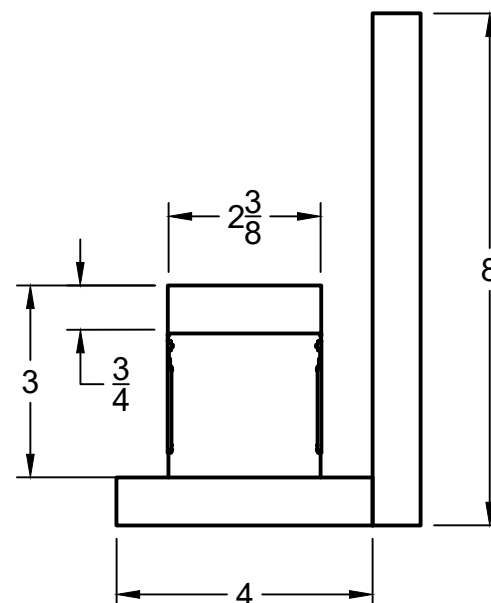
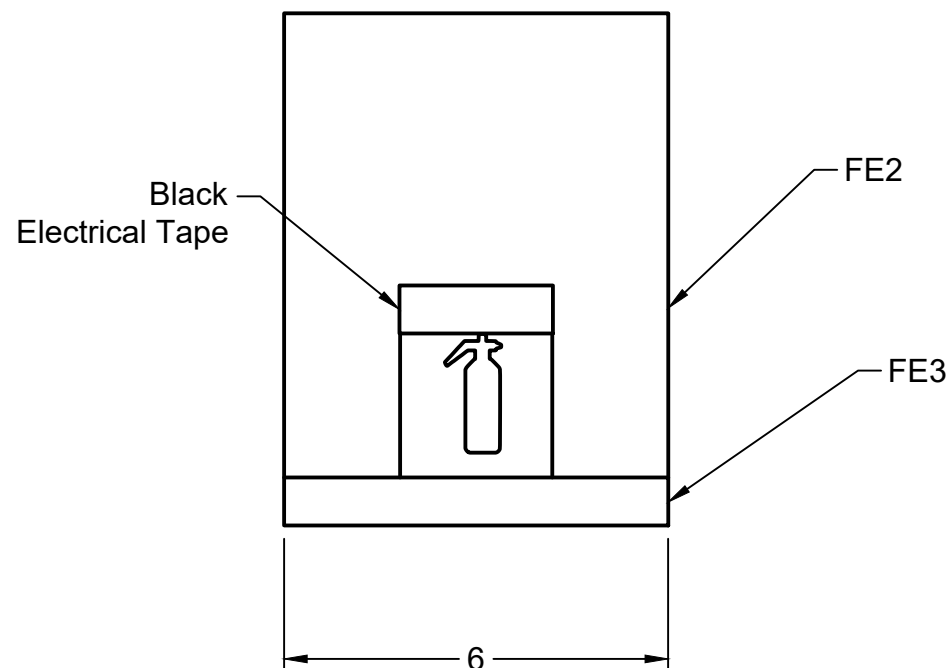
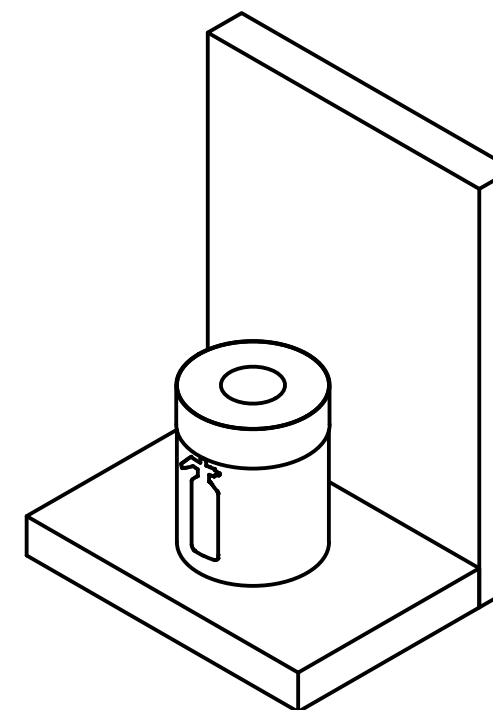
3/4" Plywood Switch (Scale 1:1)



ITEM	QTY	Description	SIZE
SW1	2	3/4" Plywood	3/4 x 1 x 4
CB1	6	Carriage Bolt	3/8" x 3"
N1	6	3/8" Nut	3/8"
LN2	2	3/8" Locknut	3/8"
W1	6	3/8" Washer	3/8"



ITEM	QTY	Description	SIZE
FE1	2	2.4" Pool Noodle	$2\frac{3}{8}$ X 3
FE2	2	$\frac{3}{4}$ plywood	$\frac{3}{4}$ X 6 X 8
FE3	2	$\frac{3}{4}$ plywood	$\frac{3}{4}$ X 3 X 6



Note: Fire Extinguisher to be wrapped with a $\frac{3}{4}$ " black electrical tape ring around the top. Be careful not to compress the pool noodle when applying the tape.

PROJECT:

Skills Nationals 2026

DRAWING TITLE:

Fire Extinguisher

DRAWING NUMBER:

1/1

DRAWN BY:

Steve Claassen

SCALE:

1:4

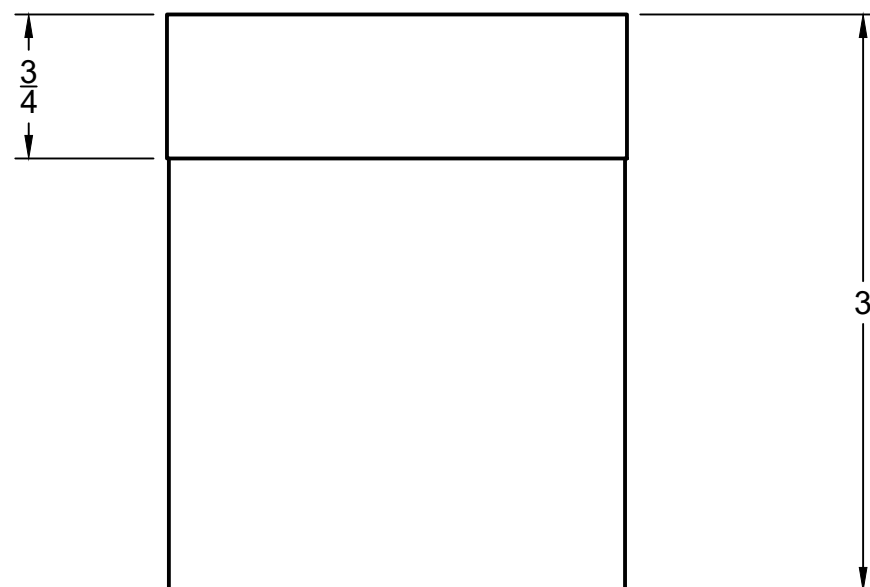
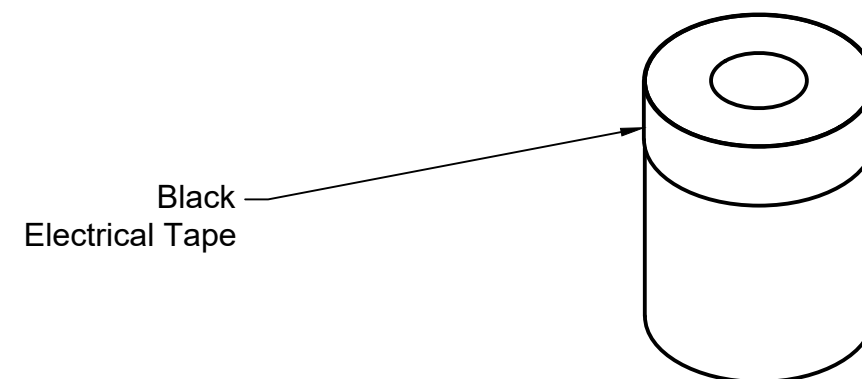
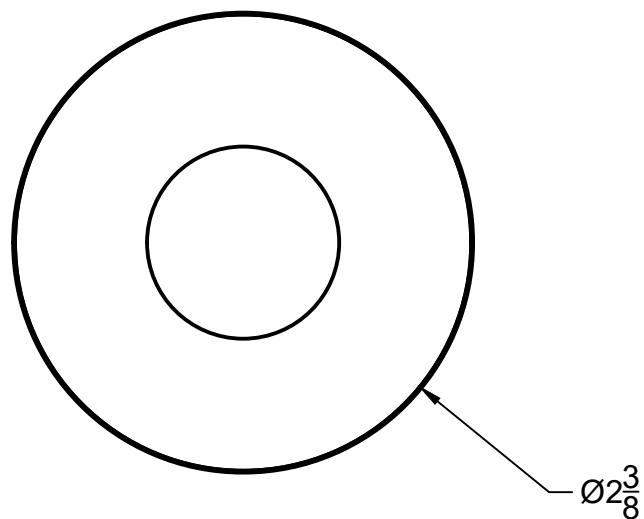
DATE:

2025-06-27



Skills Compétences
Canada
Toronto2026

Mobile Robotics National Drawings
Toronto, Ontario May 28 and May 29, 2026

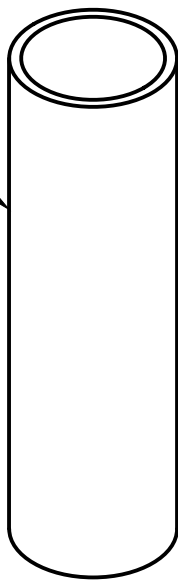


Note: To be wrapped with a $\frac{3}{4}$ " black electrical tape ring around the top. Be careful not to compress the pool noodle when applying the tape.

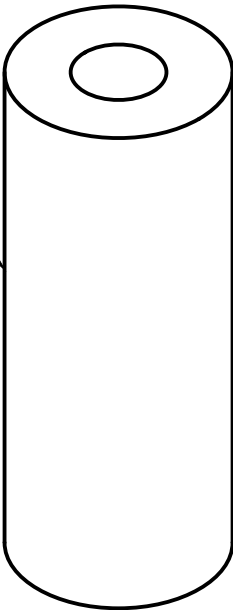
ITEM	QTY	Description	SIZE
PN3	10	2.4" Pool Noodle	2 $\frac{3}{8}$ " x 3"

Debris Pieces

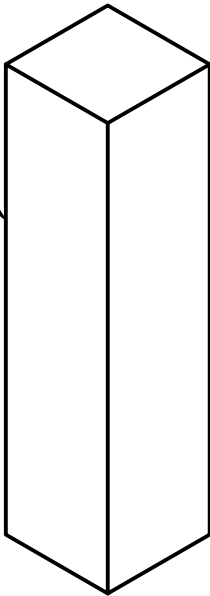
ABS6



PN6



W22



EW8



ITEM	QTY	Description	SIZE
ABS6	8	1½" Black ABS Pipe - 6in Long	1½ x 6"
PN6	8	2.4" Pool Noodle - 6in Long	2.4" x 6"
W22	12	2x2 Lumber - 6in Long	1 ½ x 1 ½ x 6
EW8	6	14/2 Electrical Wire - 8in Long	8"

Suggested Plywood Layout for Exterior and Interior Walls

EW1 (5 ¹ / ₂ X 94 ¹ / ₂)
EW1 (5 ¹ / ₂ X 94 ¹ / ₂)
EW1 (5 ¹ / ₂ X 94 ¹ / ₂)
EW1 (5 ¹ / ₂ X 94 ¹ / ₂)
EW2 (5 ¹ / ₂ X 95 ¹ / ₄)
EW2 (5 ¹ / ₂ X 95 ¹ / ₄)
EW2 (5 ¹ / ₂ X 95 ¹ / ₄)
EW2 (5 ¹ / ₂ X 95 ¹ / ₄)

EW3 (5 ¹ / ₂ X 84)
EW3 (5 ¹ / ₂ X 84)
EW3 (5 ¹ / ₂ X 84)
EW3 (5 ¹ / ₂ X 84)
EW5 (5 ¹ / ₂ X 83 ¹ / ₄)
EW5 (5 ¹ / ₂ X 83 ¹ / ₄)
EW5 (5 ¹ / ₂ X 83 ¹ / ₄)
EW5 (5 ¹ / ₂ X 83 ¹ / ₄)

IW1 (5 ¹ / ₂ X 36)	IW1 (5 ¹ / ₂ X 36)	
IW1 (5 ¹ / ₂ X 36)	IW1 (5 ¹ / ₂ X 36)	
IW2 (5 ¹ / ₂ X 30 1/4)	IW2 (5 ¹ / ₂ X 30 1/4)	IW3 (5 ¹ / ₂ X 35)
IW2 (5 ¹ / ₂ X 30 1/4)	IW2 (5 ¹ / ₂ X 30 1/4)	IW3 (5 ¹ / ₂ X 35)
IW3 (5 ¹ / ₂ X 35)	IW3 (5 ¹ / ₂ X 35)	
IW3 (5 ¹ / ₂ X 35)	IW3 (5 ¹ / ₂ X 35)	
IW3 (5 ¹ / ₂ X 35)	IW3 (5 ¹ / ₂ X 35)	
IW4 (5 ¹ / ₂ X 47 3/4)	IW4 (5 ¹ / ₂ X 47 3/4)	

MW1 (9 $\frac{1}{4}$ X 94 $\frac{1}{2}$)	
MW1 (9 $\frac{1}{4}$ X 94 $\frac{1}{2}$)	
MW2 (9 $\frac{1}{4}$ X 94 $\frac{1}{2}$)	
MW3 (9 $\frac{1}{4}$ X 47 $\frac{1}{4}$)	MW3 (9 $\frac{1}{4}$ X 47 $\frac{1}{4}$)
IW4 (5 $\frac{1}{2}$ X 47 3/4)	IW4 (5 $\frac{1}{2}$ X 47 3/4)

Suggested Plywood Layout for Autonomous Zone & ECU

AZ1 (5½ X 30)		AZ1 (5½ X 30)		AZ3 (5½ X 36)	
AZ1 (5½ X 30)		AZ1 (5½ X 30)		AZ3 (5½ X 36)	
AZ1 (5½ X 30)		AZ1 (5½ X 30)		AZ3 (5½ X 36)	
AZ1 (5½ X 30)		AZ1 (5½ X 30)		AZ3 (5½ X 36)	
AZ2 (5½ X 24)		AZ2 (5½ X 24)		AZ2 (5½ X 24)	
AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)
AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)	AZ5 (5½ X 16)
AZE1 (3½ X 18½)	AZE1 (3½ X 18½)	AZE2 (3½ X 12)	AZE2 (3½ X 12)	AZE2 (3½ X 12)	AZE2 (3½ X 12)
FBP1 (2 x 26½)		FBP1 (2 x 26½)		FBP2 (1½ x 24½)	
FBP2 (1½ x 24½)		FBP2 (1½ x 24½)		FBP2 (1½ x 24½)	

20	ECU2 (18 X 20)	ECU2 (18 X 20)	ECU2 (18 x 20)	ECU2 (18 X 20)	ECU3 (6 X 20)	
					ECU3 (6 X 20)	
					ECU4 (1½ X 20) x 4	
ECU1 (6 X 18)	ECU1 (6 X 18)	ECU1 (6 X 18)	ECU1 (6 X 18)	ECU10 (5¼ X 18)		
ECU10 (5¼ X 18)	ECU10 (5¼ X 18)	ECU10 (5¼ X 18)	ECU10 (5¼ X 18)	ECU10 (5¼ X 18)		
ECU6 x 2 (5¼ X 7)	ECU11 x 2 (5¼ X 7)	ECU13 (5½ X 7) x 4		ECU15 (5¼ X 7)	ECU5 (5 X 7)	ECU12 (3 X 5¼)
ECU14 (4½ X 18)	ECU14 (4½ X 18)	ECU16 (4 X 5½)	ECU8 (3½ X 7) x 2		ECU7 (3 X 7) x 4	
ECUS (6¼ x 19⅞)	ECUS (6¼ x 19⅞)					

AZ4 (5½ X 85½)								AZ6 (5½ X 8)
AZ4 (5½ X 85½)								AZ6 (5½ X 8)
AZ4 (5½ X 85½)								AZ6 (5½ X 8)
AZ4 (5½ X 85½)								AZ6 (5½ X 8)
FBS1 (2 x 28)				FBS1 (2 x 28)				
FBS1 (2 x 28)				FBS1 (2 x 28)				
FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		
FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		
FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		FBS2 (1½ x 21½)		
2PS1 (6 X 12)	2PS1 (6 X 12)	3PS1 (6 X 12)	3PS1 (6 X 12)	2PS6 (6 X 7)	2PS6 (6 X 7)	FE2 (6 x 8)	FE2 (6 x 8)	2PS2 (5¼ x 6¾)
	3PS3 (3¾ x 6) x 4	3PS3 (3¾ x 6¾) x 2	FH1 (3 x 16)		FH1 (3 x 16)			2PS2 (5¼ x 6¾)
	2PS5 (1½ x 6) x 4		3PS2 (1½ x 6) x 4					

Additional Materials

ITEM	QTY	Description	Link/Size
EU18	12	1" dowel (12 pieces x 3" long)	1 x 3
ECUS	2	$\frac{3}{4}$ " Plywood (ECU Shelf in Auto Zone)	$\frac{3}{4}$ x 6 $\frac{1}{4}$ z 19 $\frac{7}{8}$
3PS4	2	$\frac{1}{2}$ " Plywood	$\frac{1}{2}$ X 6 X 8
3PS5	2	$\frac{1}{2}$ " Plywood	$\frac{1}{2}$ X 4 X 8
3PS6	2	$\frac{1}{2}$ " Plywood	$\frac{1}{2}$ X 4 X 8
W22	12	2" x 2" Lumber (6in x 12 pieces)	1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 6
AS6	48in	1 $\frac{1}{2}$ " ABS Black Pipe (8 x 6in pieces)	1 $\frac{1}{2}$ " x 6"
PN3	1	2.4" x 56in Pool Noodle (10 x 3in pieces)	https://bit.ly/23PoolNoodles
PN6	1	2.4' X 56" Pool Noodle (8 x 6in pieces)	https://bit.ly/23PoolNoodles
EU17	8	3in Barrel Bolt	https://bit.ly/23BarrelBolts
ET	2	3/4in Black Electrical Tape	https://bit.ly/23ElectricalTape
EW8	48in	14/2 House Wire (8in x 6 pieces)	https://bit.ly/23Wire
DT	1 Roll	2in Gorilla Duct Tape	https://bit.ly/23DuctTape
WM	6	8 $\frac{1}{2}$ " Wooden Art Mannequin	https://amzn.to/4o6h8n7
CB1	6	Carriage Bolt	$\frac{3}{8}$ " x 3"
N1	6	$\frac{3}{8}$ " Nut	$\frac{3}{8}$ "
LN2	2	$\frac{3}{8}$ " Lock Nut	$\frac{3}{8}$ "
W1	6	$\frac{3}{8}$ " Washer	$\frac{3}{8}$ "
CDB1	2	2x4 Lumber	1 $\frac{1}{2}$ " X 3 $\frac{1}{2}$ " X 12"