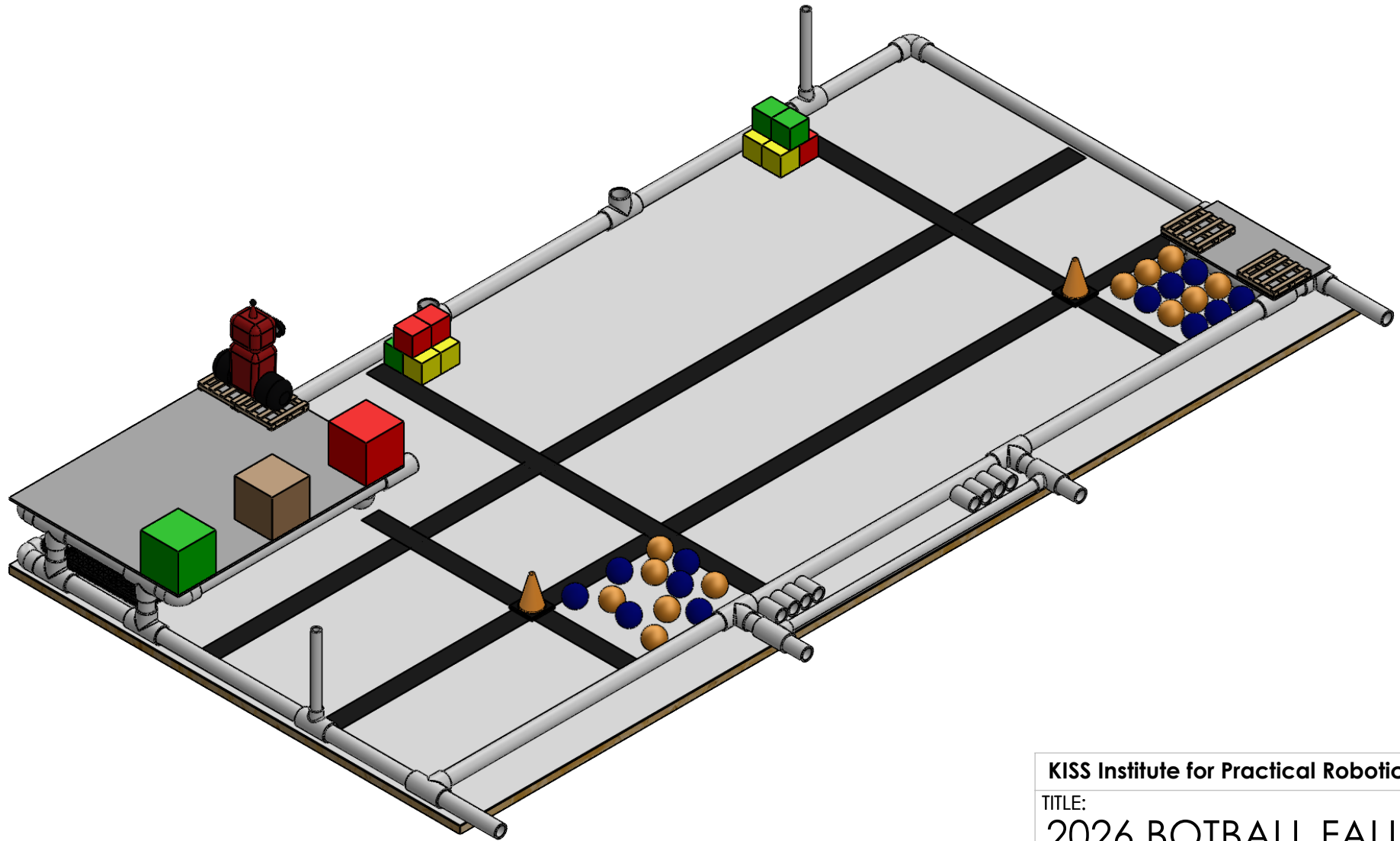


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KISS Institute for Practical Robotics

TITLE:

2026 BOTBALL FALL
GAME V1.0

SIZE

A

DWG. NO.

Cover

REV

SCALE: 1:11

SHEET 1 OF 11

2

1

Bill of Materials - Fall Table Only

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	8 inch - 1/2" PVC	0.5" ID SCH 40	2
2	27.625 inch - 1/2" PVC	0.5" ID SCH 40	1
3	1.75 inch pvc	1" ID SCH 40	14
4	3.000 inch PVC	1" ID SCH 40	16
5	7.000 inch PVC	1" ID SCH 40	2
6	8.250 inch PVC	1" ID SCH 40	8
7	9.000 inch PVC	1" ID SCH 40	4
8	10.000 inch PVC	1" ID SCH 40	2
9	10.75 inch pvc	1" ID SCH 40	2
10	16.875 inch pvc	1" ID SCH 40	2
11	18.50 inch PVC	1" ID SCH 40	2
12	18.625 inch pvc	1" ID SCH 40	2
13	19.000 inch PVC	1" ID SCH 40	2
14	21.750 inch PVC	1" ID SCH 40	6
15	26.875 inch pvc	1" ID SCH 40	2
16	27.75 inch pvc	1" ID SCH 40	2
17	31.25 inch pvc	1" ID SCH 40	4
18	Black duct tape	3M Black Duct Tape - Model #3920-BK	1
19	1" Elbow Connector	Connector SCH 40	12
20	1" T Connector	Connector SCH 40	36
21	1" x 0.5" T Connector	Connector SCH 40	6
22	18"x24" Sheet	Corrugated Plastic	2
23	FRP 4' x 8'	White	1

Note: This list is only the parts needed to build a half table for the fall game. If you are buying parts for the spring as well, please refer to the the second BOM.

Purchasing:

PVC Pipe - Home Depot, Lowes, hardware stores

PVC Couplers - KIPR uses LASCO brand, this can be found often at Lowes or on USPlastic.com. Similarly dimensioned alternative couplers can be found on SupplyHouse.com

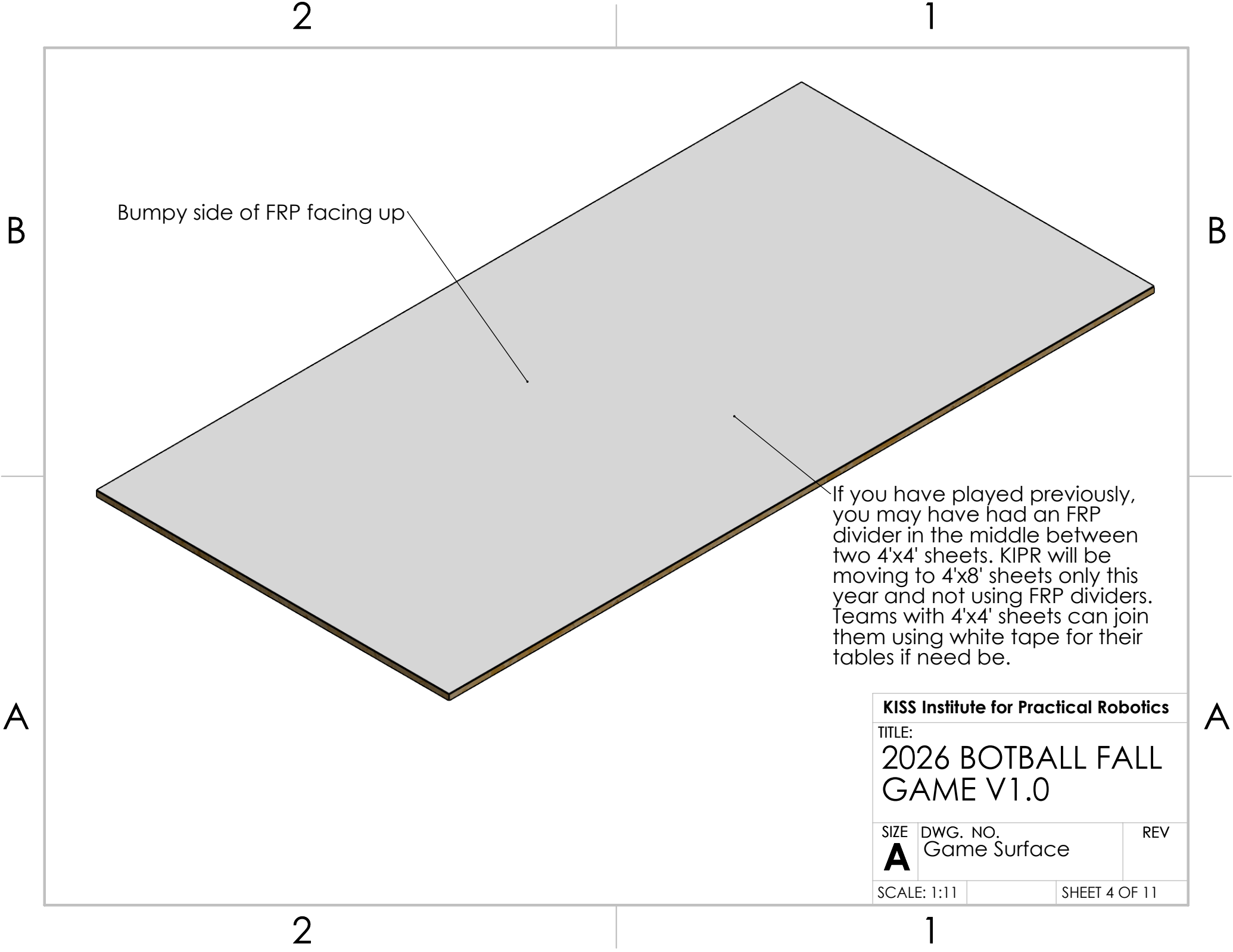
Tape - Lowes, Home Depot, Amazon

Corrugated Plastic - Amazon is usually cheapest

Wood and FRP - Lowes, Home Depot, hardware stores

Bill of Materials - Full Season

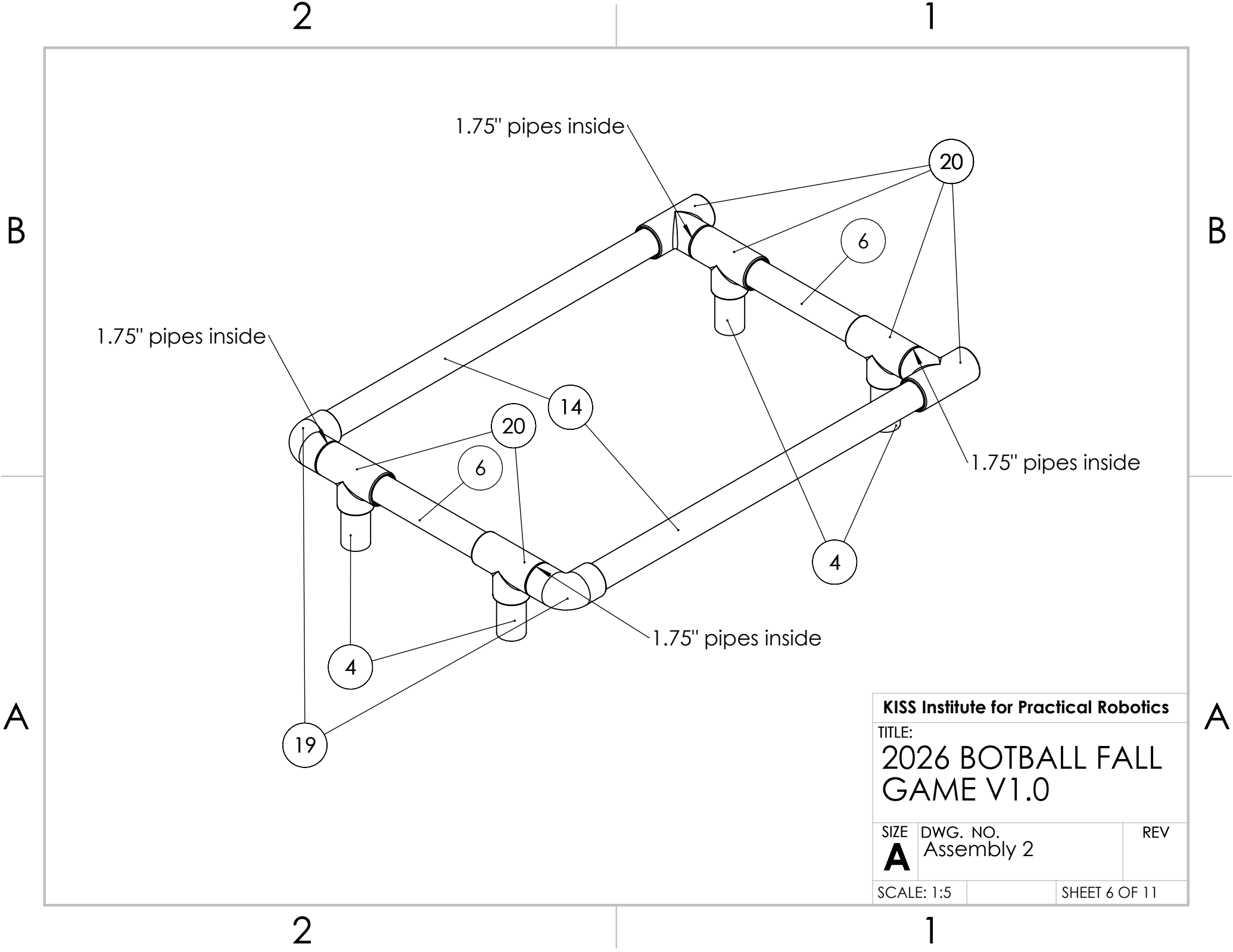
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	2 inch - 1/2" PVC	0.5" ID SCH 40	4
2	8 inch - 1/2" PVC	0.5" ID SCH 40	6
3	28 inch - 1/2" PVC	0.5" ID SCH 40	2
4	1.75 inch pvc	1" ID SCH 40	22
5	2 inch pvc	1" ID SCH 40	16
6	3.000 inch PVC	1" ID SCH 40	20
7	4.500 inch PVC	1" ID SCH 40	4
8	5.750 inch PVC	1" ID SCH 40	4
9	6.5 inch pvc	1" ID SCH 40	4
10	7.000 inch PVC	1" ID SCH 40	2
11	8.250 inch PVC	1" ID SCH 40	8
12	9.000 inch PVC	1" ID SCH 40	4
13	10.000 inch PVC	1" ID SCH 40	2
14	10.75 inch pvc	1" ID SCH 40	2
15	16.125 inch pvc	1" ID SCH 40	4
16	16.875 inch pvc	1" ID SCH 40	2
17	18.50 inch PVC	1" ID SCH 40	6
18	18.625 inch pvc	1" ID SCH 40	2
19	19.000 inch PVC	1" ID SCH 40	4
20	21.750 inch PVC	1" ID SCH 40	6
21	26.875 inch pvc	1" ID SCH 40	2
22	27.75 inch pvc	1" ID SCH 40	2
23	31.25 inch pvc	1" ID SCH 40	4
24	Black duct tape	3M Black Duct Tape - Model #3920-BK	1
25	0.5" Elbow Connector	Connector SCH 40	4
26	1" Elbow Connector	Connector SCH 40	20
27	1" T Connector	Connector SCH 40	52
28	1" x 0.5" T Connector	Connector SCH 40	6
29	1/2" T Connector	Connector SCH 40	2
30	18"x24" Sheet	Corrugated Plastic	10
31	FRP 4' x 8'	White	2
32	Particle Board 4' x 8' x 3/8" thick	or similar	2



Bumpy side of FRP facing up

If you have played previously, you may have had an FRP divider in the middle between two 4'x4' sheets. KIPR will be moving to 4'x8' sheets only this year and not using FRP dividers. Teams with 4'x4' sheets can join them using white tape for their tables if need be.

KISS Institute for Practical Robotics		
TITLE: 2026 BOTBALL FALL GAME V1.0		
SIZE A	DWG. NO. Game Surface	REV
SCALE: 1:11		SHEET 4 OF 11



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TITLE:
2026 BOTBALL FALL
GAME V1.0

SIZE	DWG. NO.	REV
A	Assembly 2	

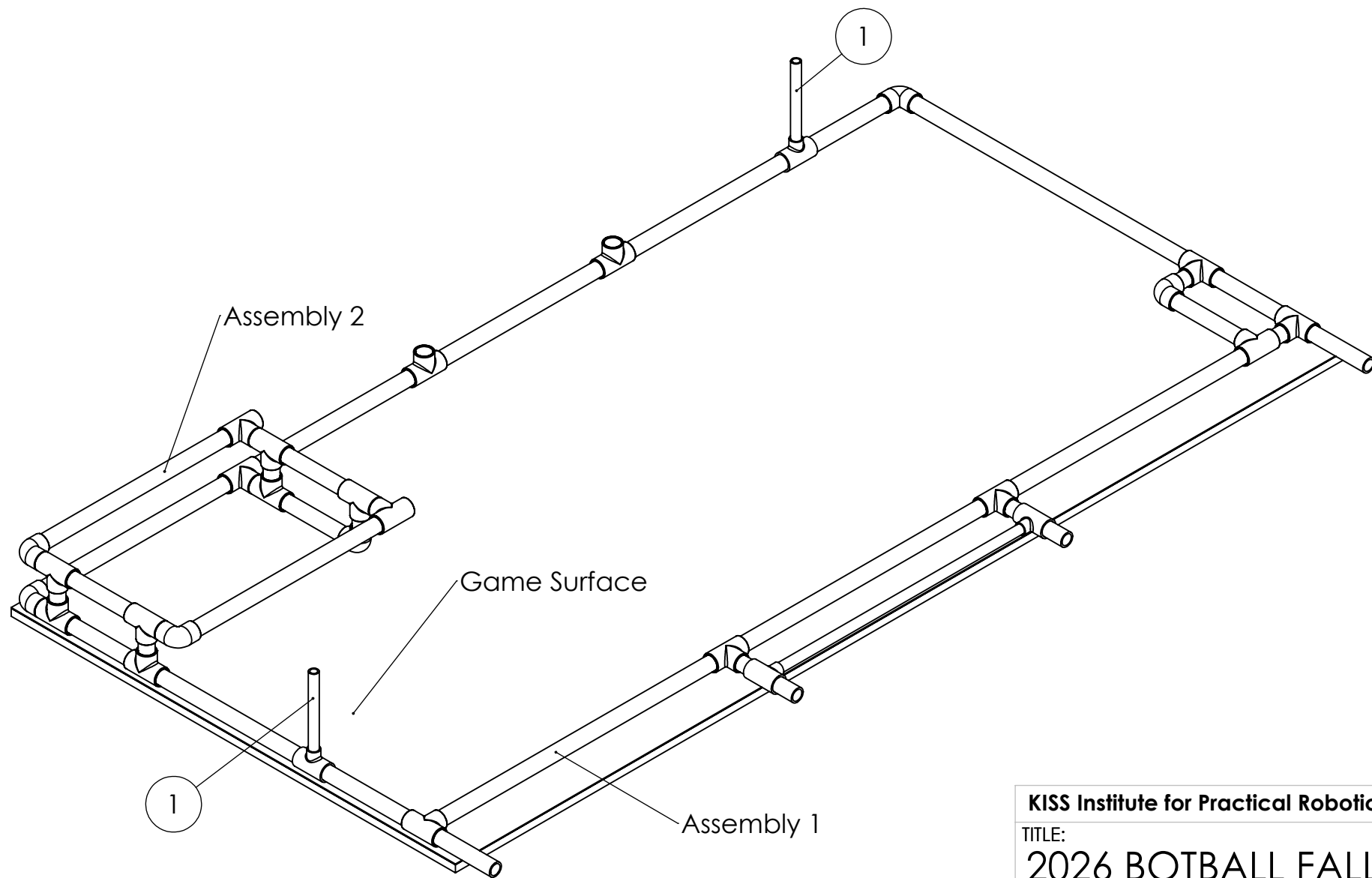
SCALE: 1:5	SHEET 6 OF 11
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TITLE:

2026 BOTBALL FALL
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SIZE

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DWG. NO.

Full Assembly

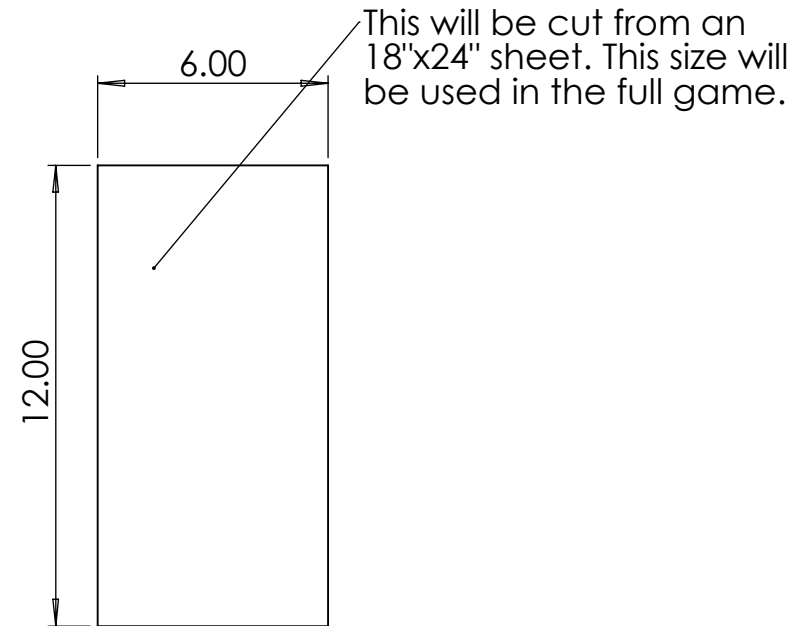
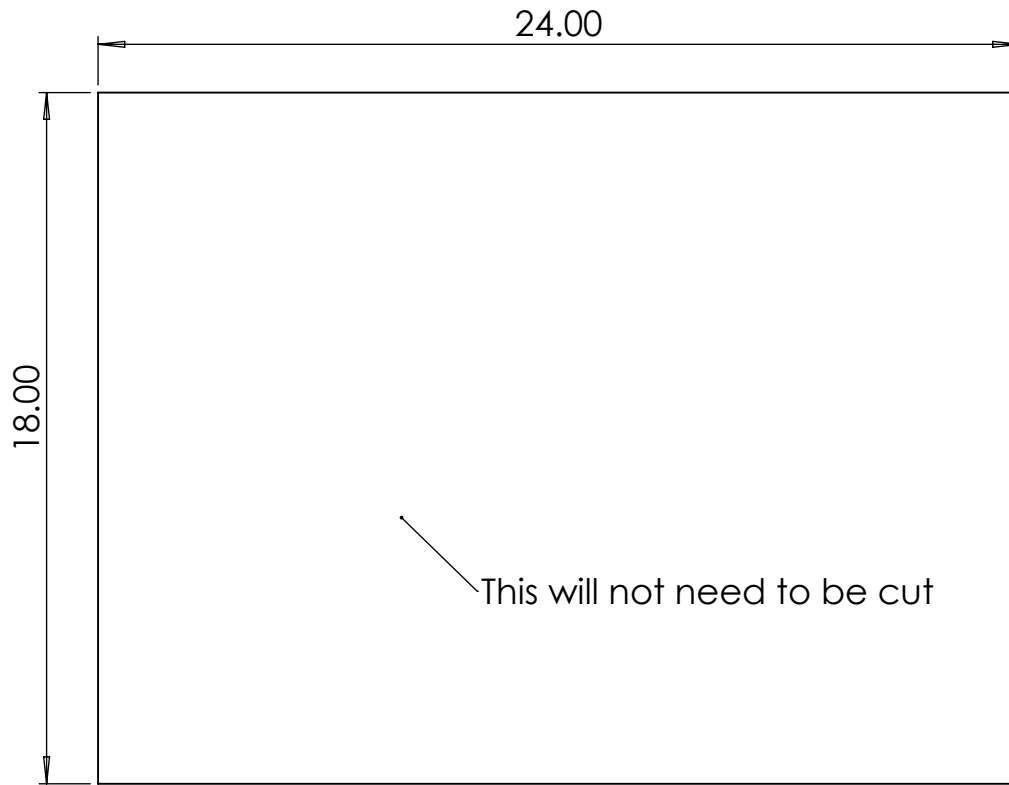
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SCALE: 1:11

SHEET 7 OF 11

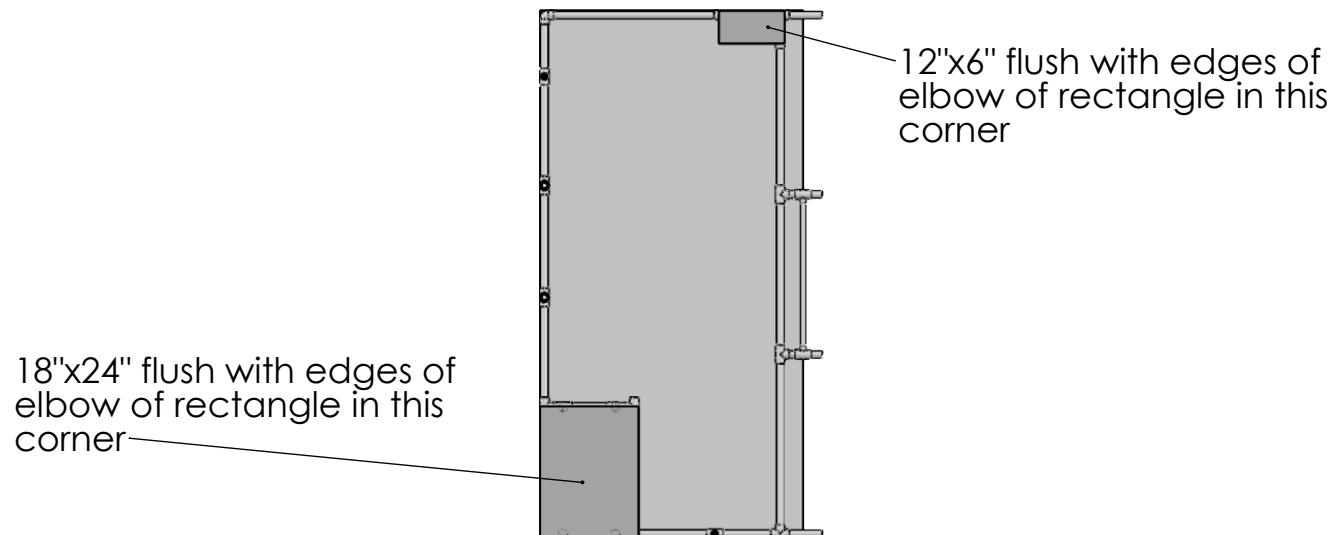
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**KISS Institute for Practical Robotics**

TITLE:

**2026 BOTBALL FALL
GAME V1.0**

SIZE

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DWG. NO.

Corrugated Plastic

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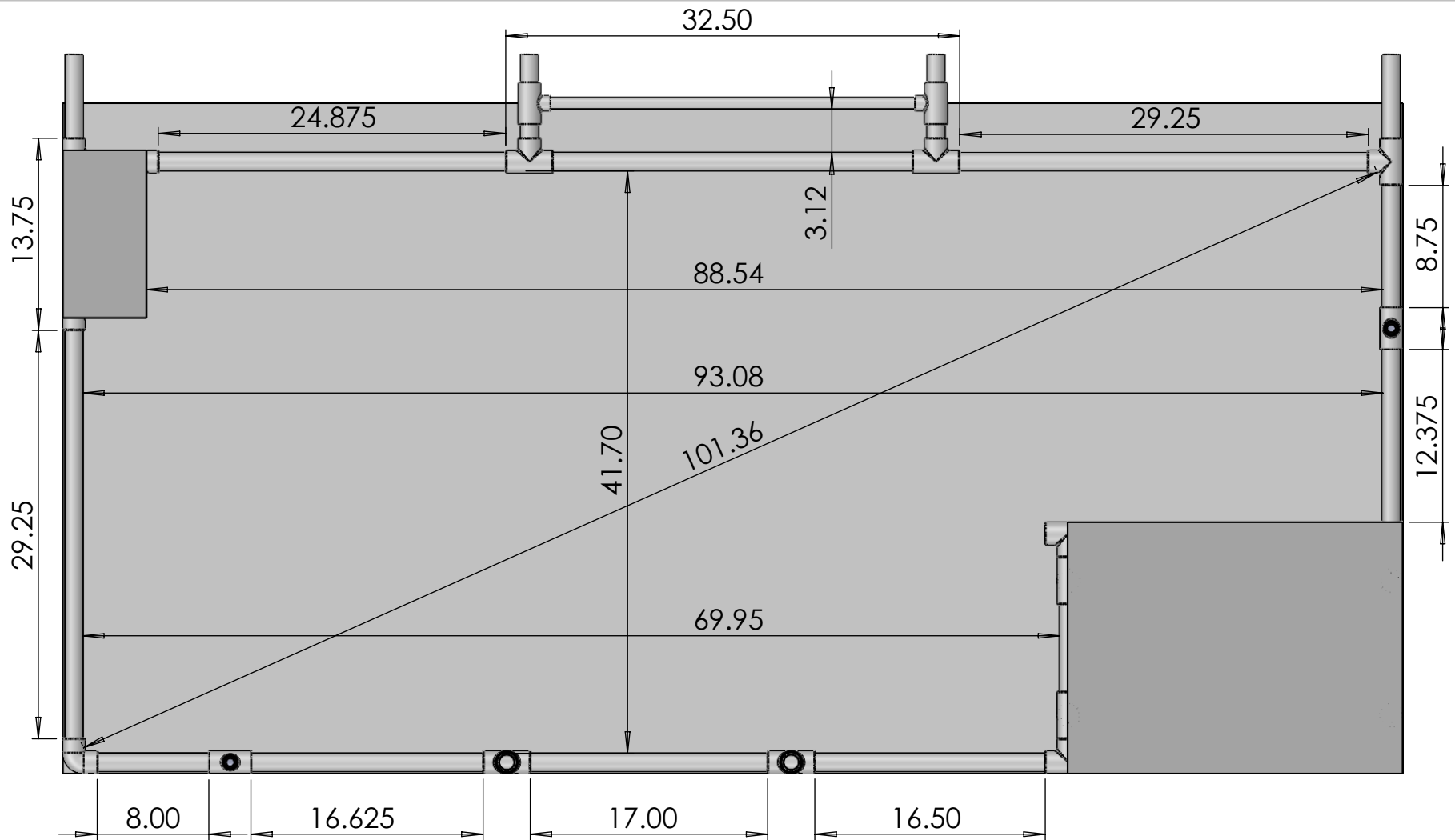
SHEET 8 OF 11

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KISS Institute for Practical Robotics

TITLE:

2026 BOTBALL FALL
GAME V1.0

SIZE

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DWG. NO.

Additional

Measurements

REV

SCALE: 1:11

SHEET 9 OF 11

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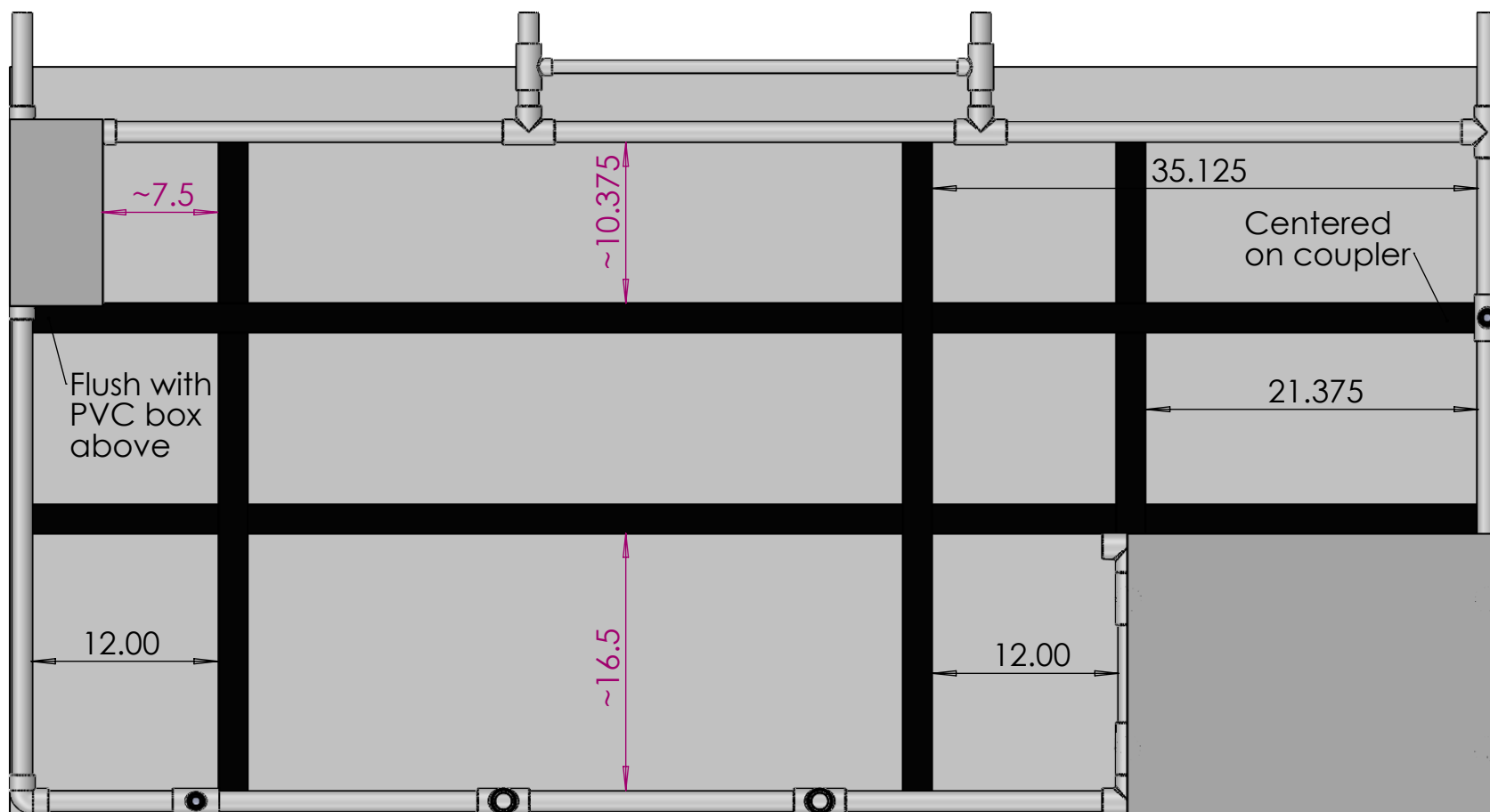
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KISS Institute for Practical Robotics

TITLE:

2026 BOTBALL FALL
GAME V1.0

SIZE

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DWG. NO.

Tape

REV

SCALE: 1:11

SHEET 10 OF 11

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