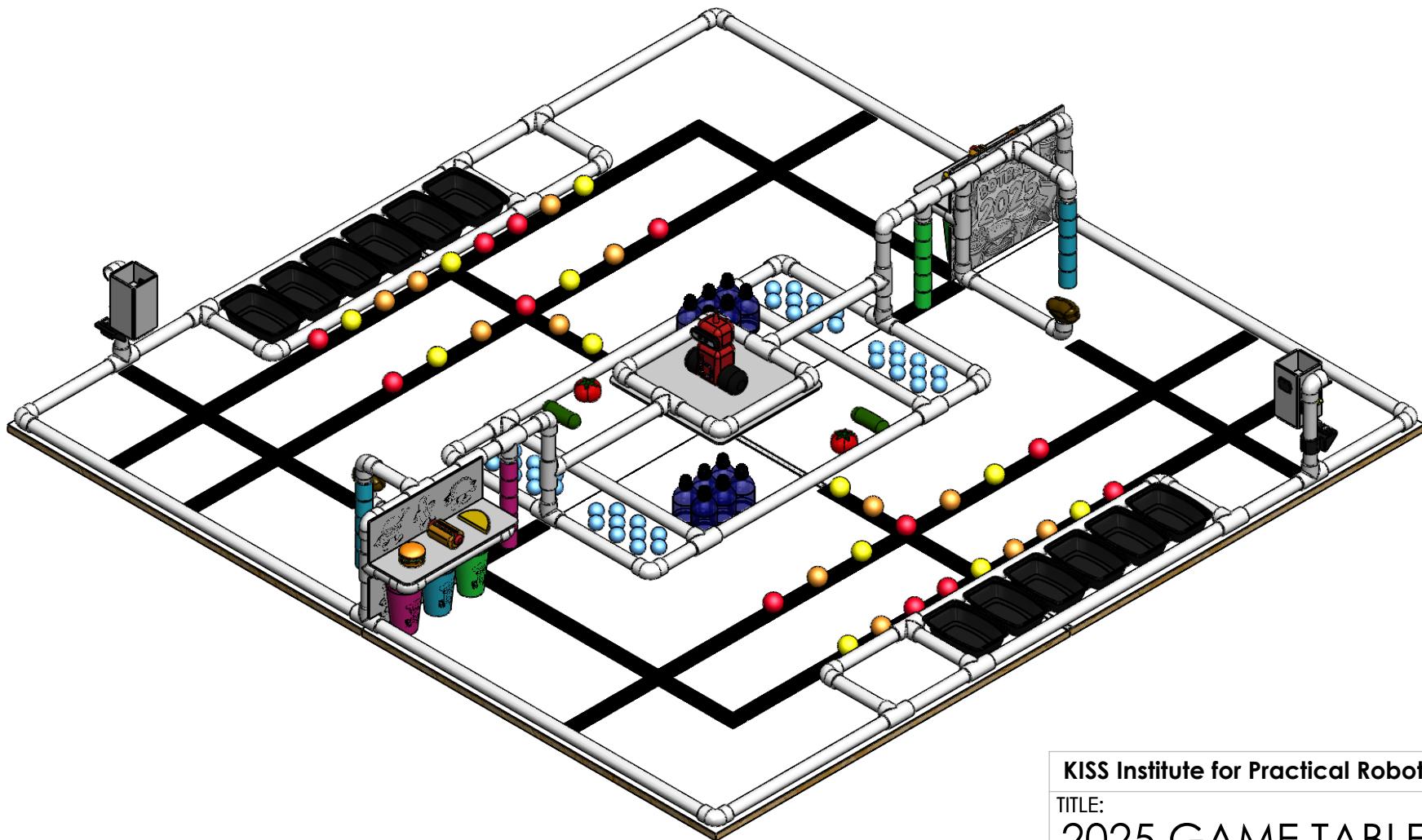


2

1

B

B



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

DWG. NO.

REV

A
Cover

SCALE: 1:15

SHEET 1 OF 14

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	3.625 inch pvc	1" ID SCH 40	6
2	4.000 inch PVC	1" ID SCH 40	8
3	5.000 inch PVC	1" ID SCH 40	6
4	5.5 inch pvc	1" ID SCH 40	8
5	6.000 inch PVC	1" ID SCH 40	6
6	8.250 inch PVC	1" ID SCH 40	6
7	9.000 inch PVC	1" ID SCH 40	4
8	9.375 inch pvc	1" ID SCH 40	4
9	9.625 inch pvc	1" ID SCH 40	4
10	11.250 inch PVC	1" ID SCH 40	2
11	12.375 inch pvc	1" ID SCH 40	10
12	15 inch pvc	1" ID SCH 40	2
13	23.125 inch pvc	1" ID SCH 40	2
14	26.125 inch pvc	1" ID SCH 40	2
15	29.25 inch pvc	1" ID SCH 40	2
16	33.000 inch PVC	1" ID SCH 40	4
17	45.750 inch PVC	1" ID SCH 40	4
18	2 inch - 1-1/4" PVC	1.25" ID SCH 40	20
19	1" Elbow Connector	Connector SCH 40	32
20	1" T Connector	Connector SCH 40	32
21	Particle Board 4' x 4' x 3/8" thick	or similar - can be cut from two 4' x 8' sheets	4
22	FRP Divider 48" long	White - cut from one 8' long part	2
23	FRP 4' x 4'	White - cut from two 4' x 8' sheets	4
24	Corrugated Plastic	White - 18" x 24"	4
25	Black duct tape	3M Black Duct Tape - Model #3920-BK	1

Links to particle board, FRP divider, FRP, and corrugated plastic above

TAPE LIST

3M Multi-Use Colored Duct Tape Black - 1.88" X 20 Yards

Duck Brand 1311000 Color Duct Tape Electric Blue - 1.88 Inches x 20 Yards

Duck Brand 1265018 Color Duct Tape Neon Lime Green - 1.88 Inches x 20 Yards

Duck Brand Colored Duct Tape Neon Pink - 1.88 Inches x 15 Yards

An Amazon list of all tape needed can be found [here](#).

All connectors used by KIPR will be LASCO brand. An alternative brand called Spears can be found on [supplyhouse.com](#) with cheaper prices. The dimensions for Spears T connectors are an 1/8" wider inside and will need to be accounted for in your build if used.

KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE	DWG. NO. BOM	REV
------	-----------------	-----

SCALE: 1:50	SHEET 2 OF 14
-------------	---------------

2

1

B

B

FRP Bumpy Side Up

22

23

23

FRP Divider
Thinner Side Up

21

DETAIL A

SCALE 1 : 1

KIPR often divides the 4'x8' FRP and particle board sheets into 4'x4' sections for storage. Teams do not necessarily need to do this but should be sure that the FRP divider sits in the middle of their side.

KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

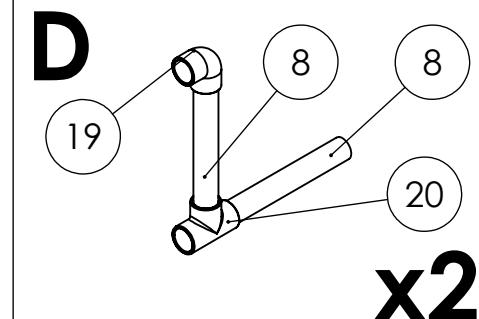
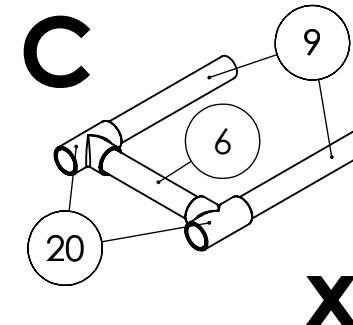
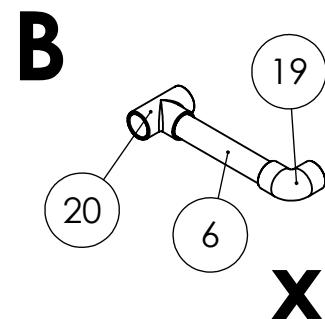
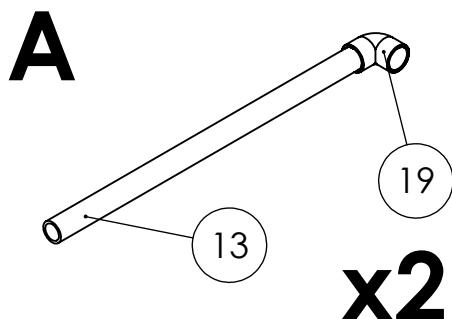
SIZE	DWG. NO.	REV
A	Game Surface	

SCALE: 1:15

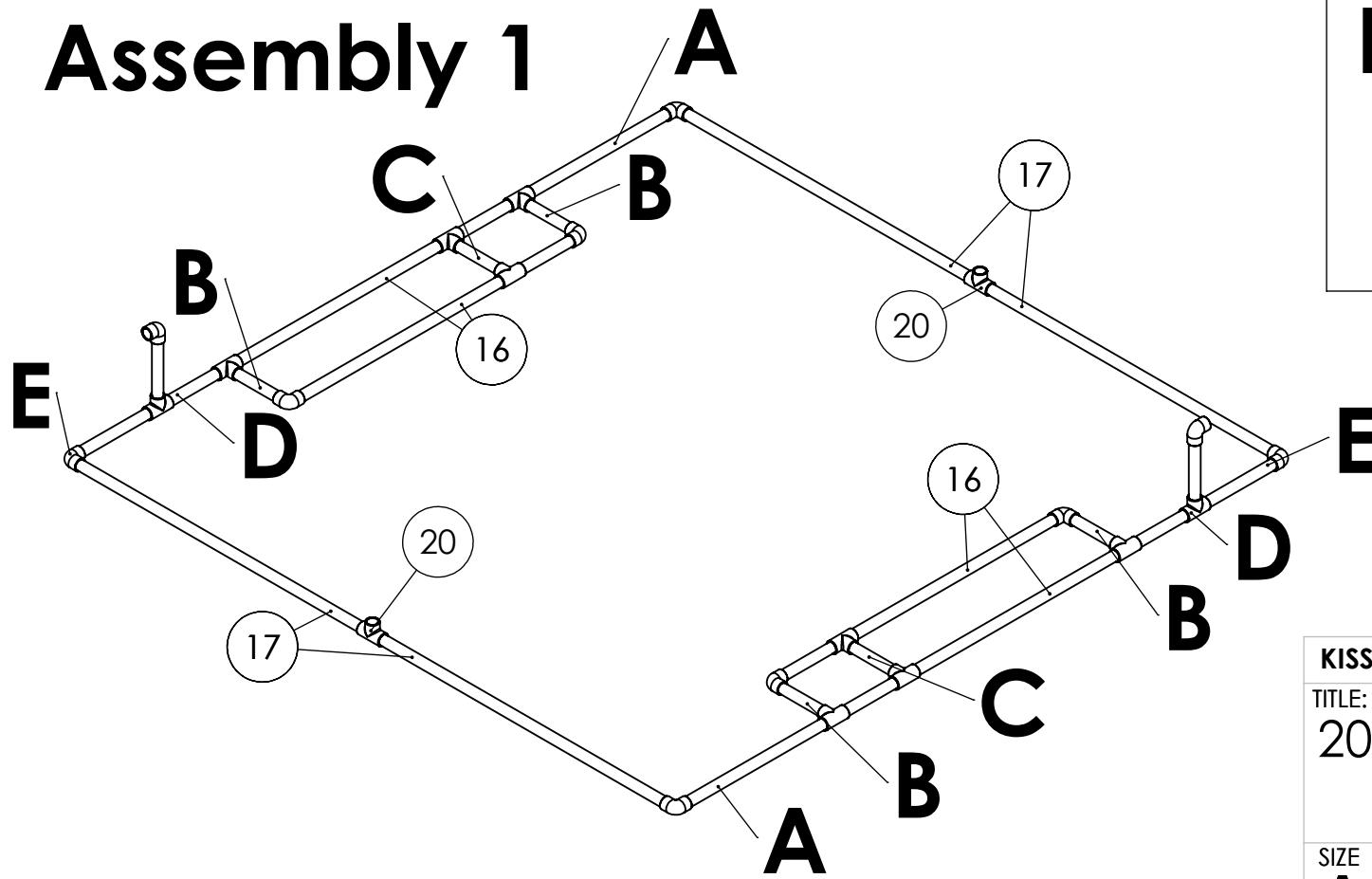
SHEET 3 OF 14

2

1



Assembly 1



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

Assembly 1

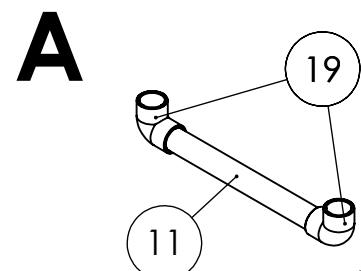
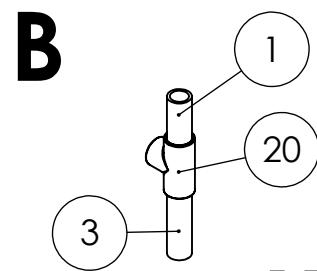
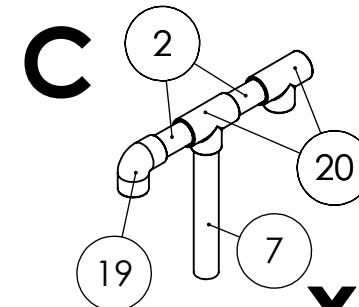
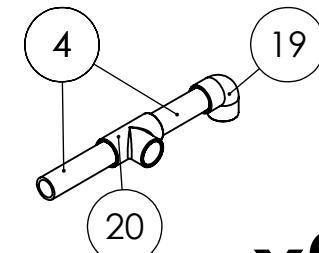
REV

SCALE: 1:20

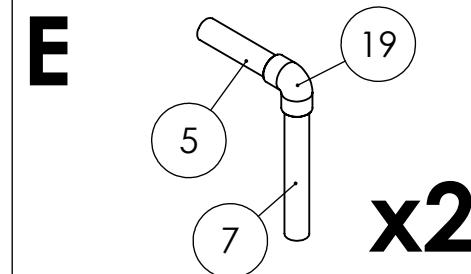
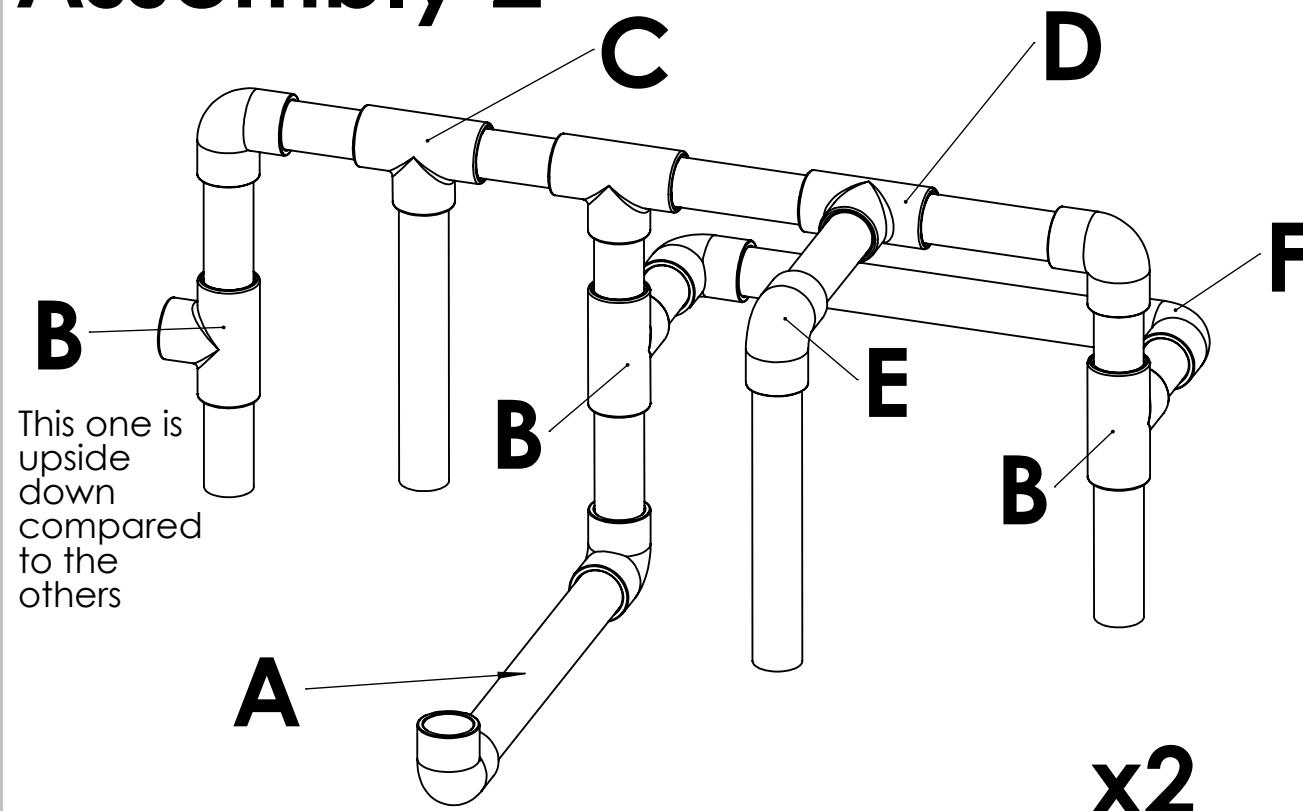
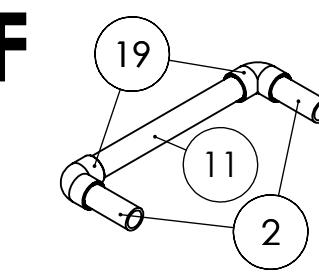
SHEET 4 OF 14

2

1

**x2****x6****x2****x2**

Assembly 2

**x2****x2**

KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

Assembly 2

REV

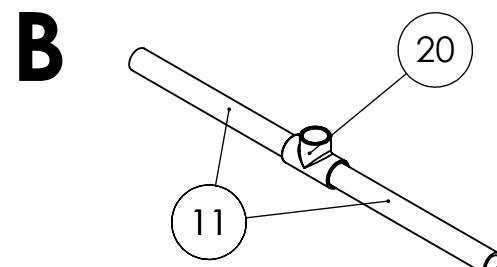
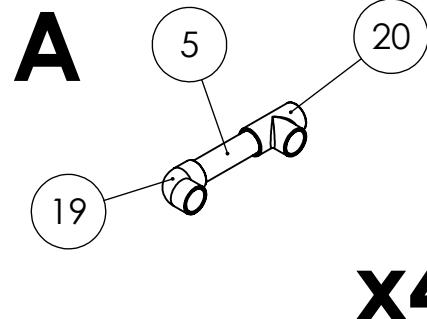
SCALE: 1:5

SHEET 5 OF 14

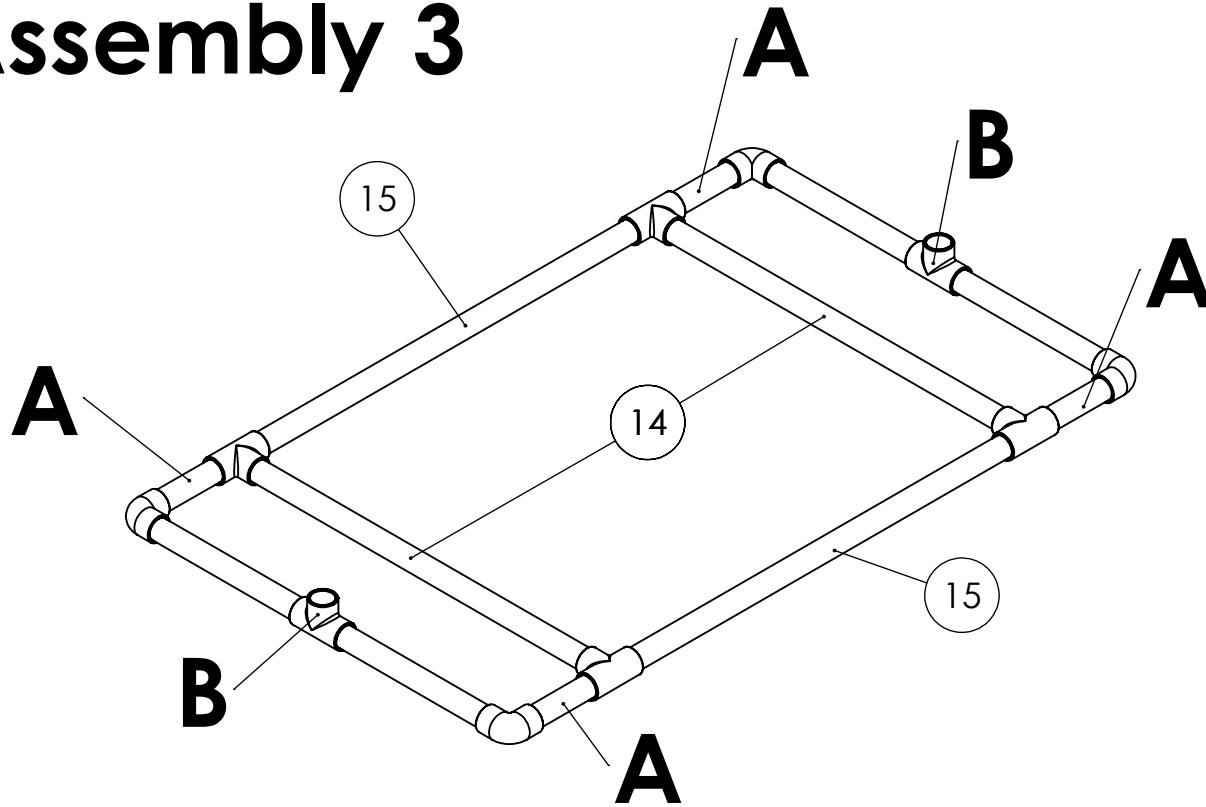
2

1

B



Assembly 3



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

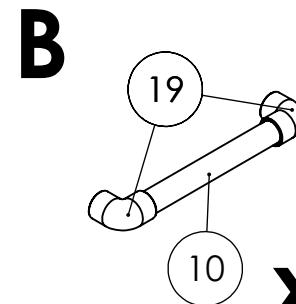
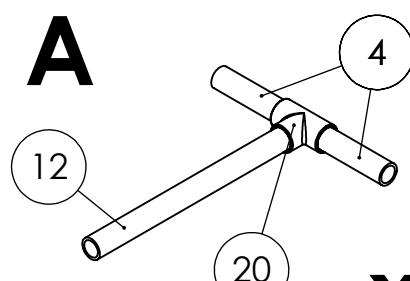
Assembly 3

REV

SCALE: 1:10

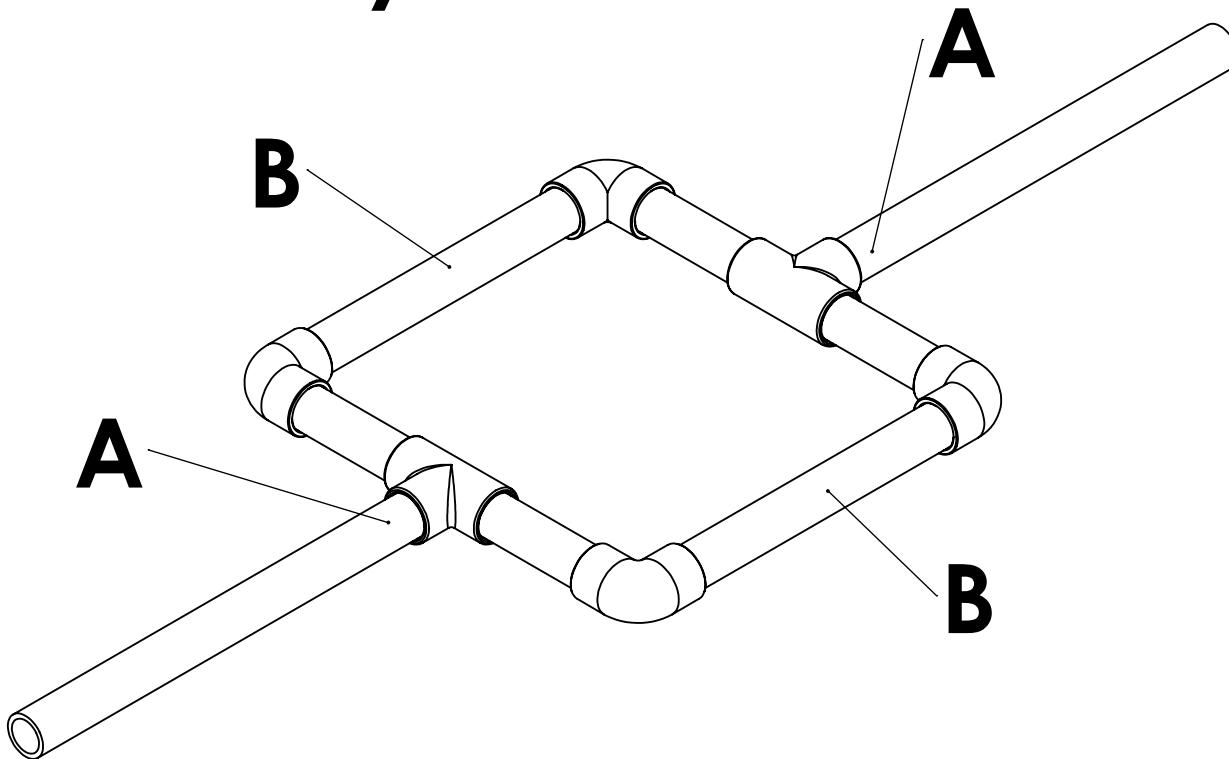
SHEET 6 OF 14

2



1

Assembly 4



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

Assembly 4

REV

SCALE: 1:5

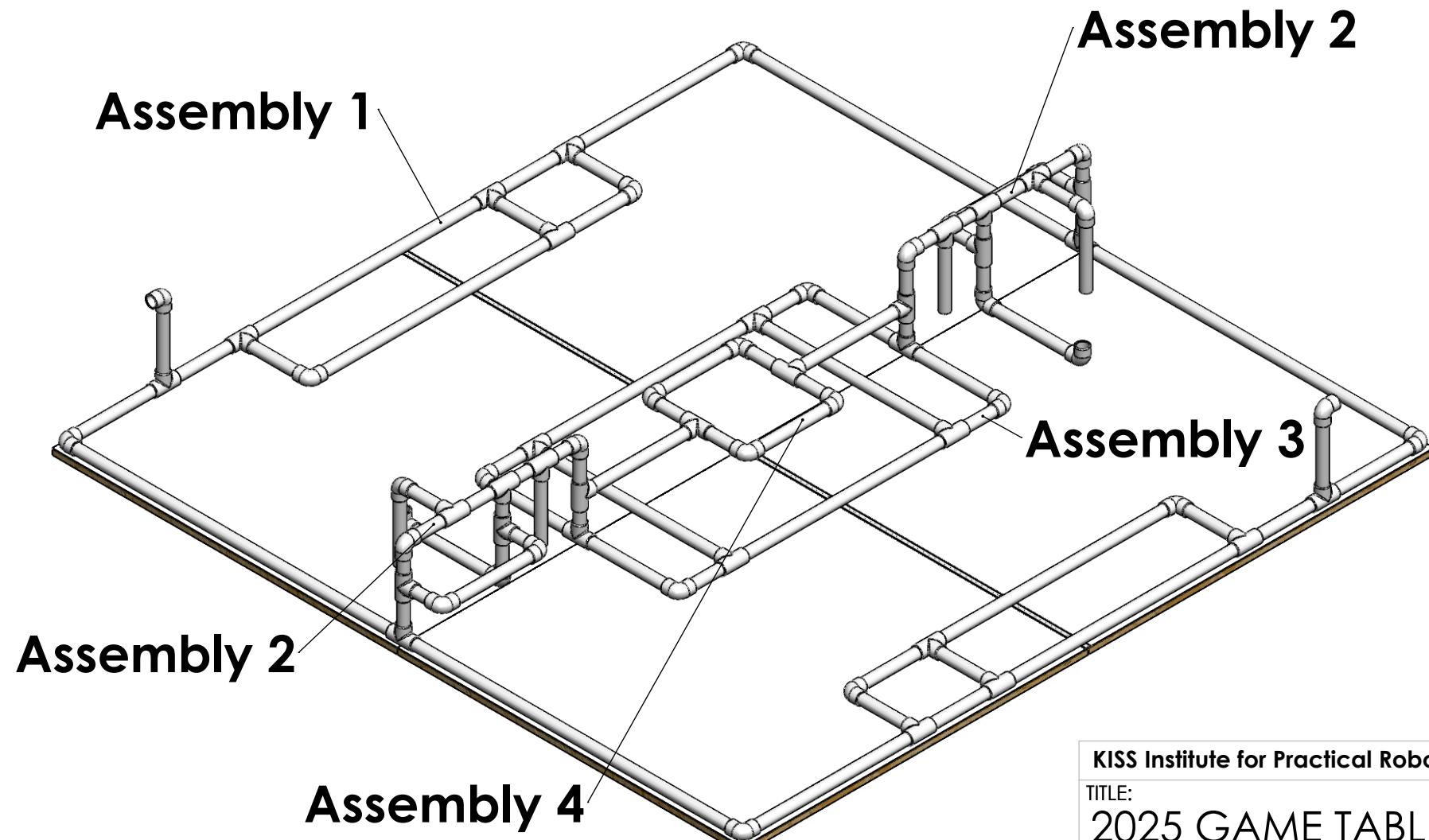
SHEET 7 OF 14

2

1

B

B



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

Full Assembly

REV

SCALE: 1:15

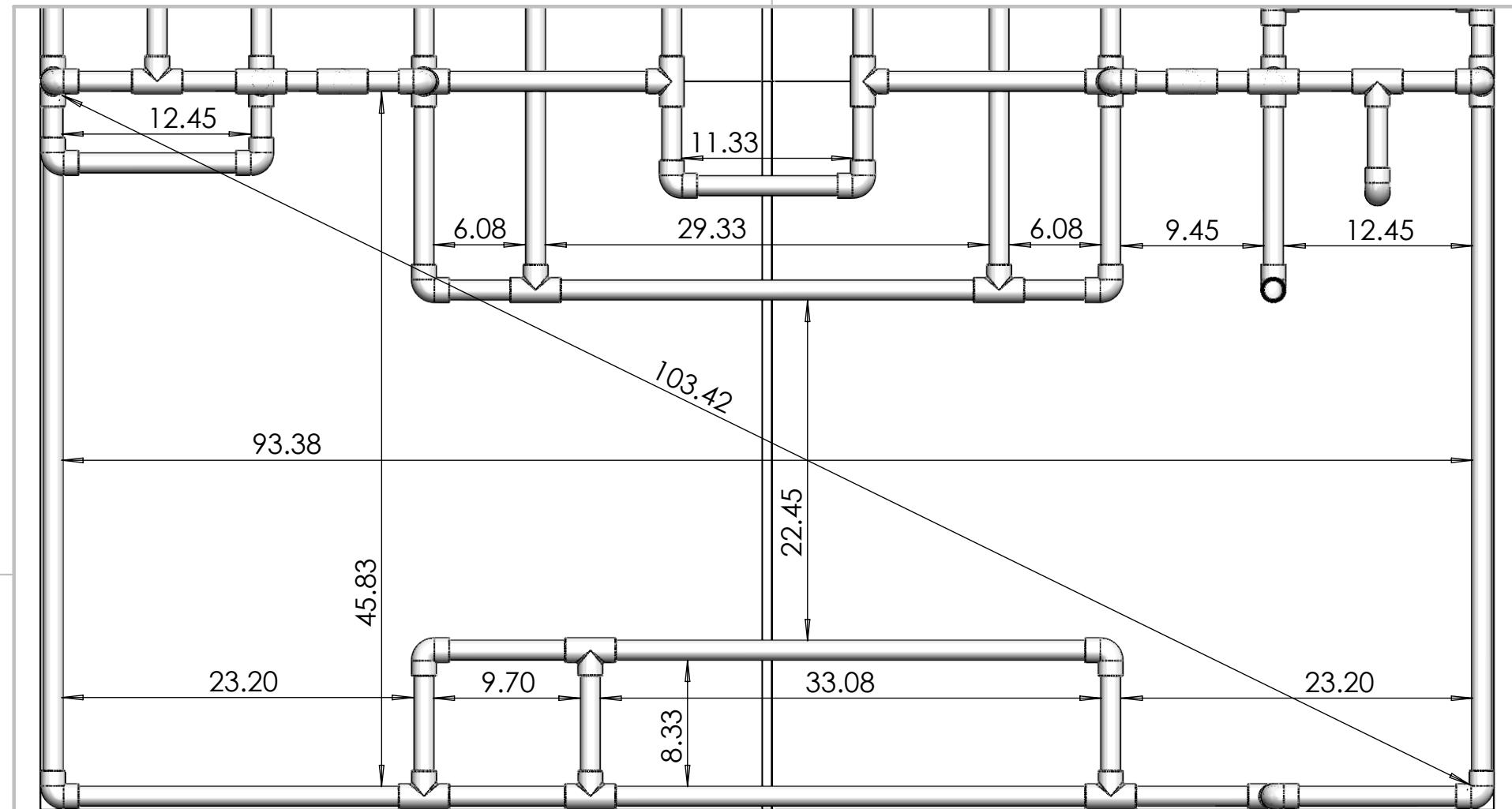
SHEET 8 OF 14

2

1

2

1



Numbers on this page are approximate. Teams should use them as a way to determine how close their build is if they are using non LASCO couplers.

All KIPR tables have a variation of +/-0.25" or up to 1% of the specification.

KISS Institute for Practical Robotics

TITLE:

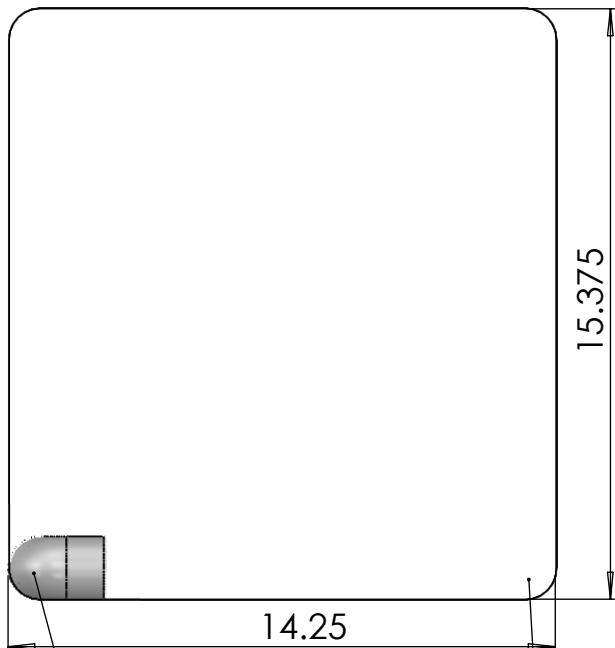
2025 GAME TABLE

SIZE	DWG. NO.	REV
A	Add.	
Measurements		
SCALE: 1:10	SHEET 9 OF 14	

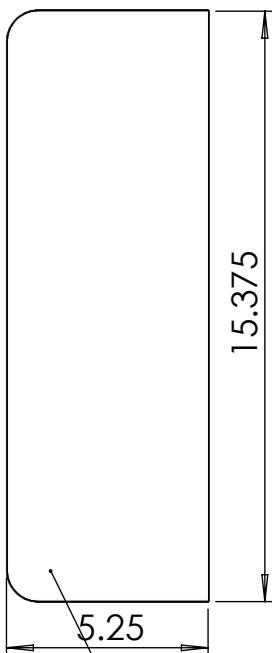
2

1

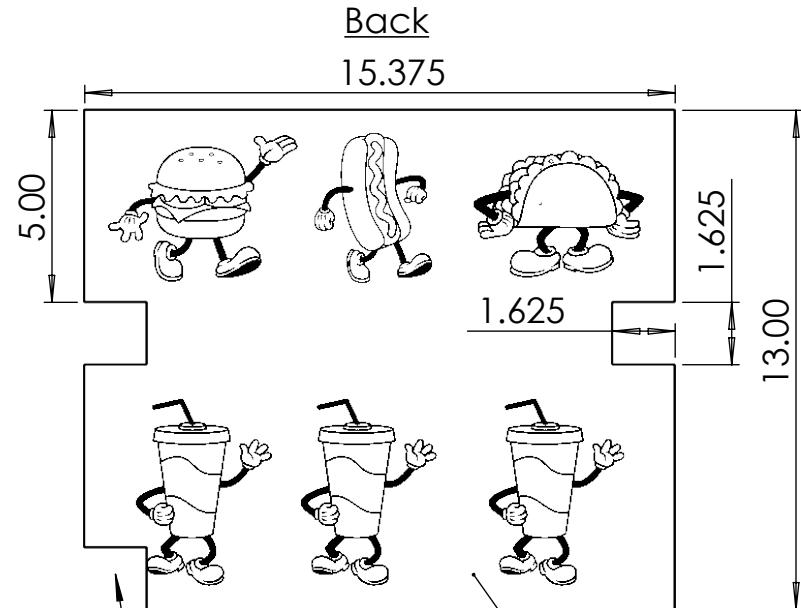
Head Chef Station



Shelf

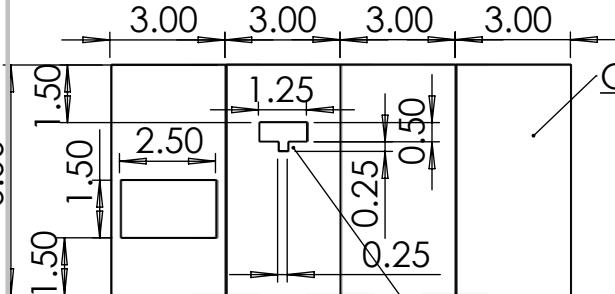


Warming Station



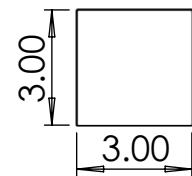
A coupler can be used as a guide to round off the corner.

Potato Fryer

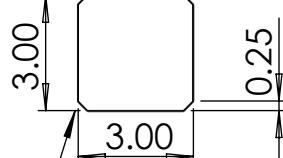


This piece can be made out of 6"x12" piece by only cutting through one side of the corrugated plastic at each joint and then folding

Outside Inner Level



Dropper



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

DWG. NO.

REV

A Corrugated Plastic Cuts

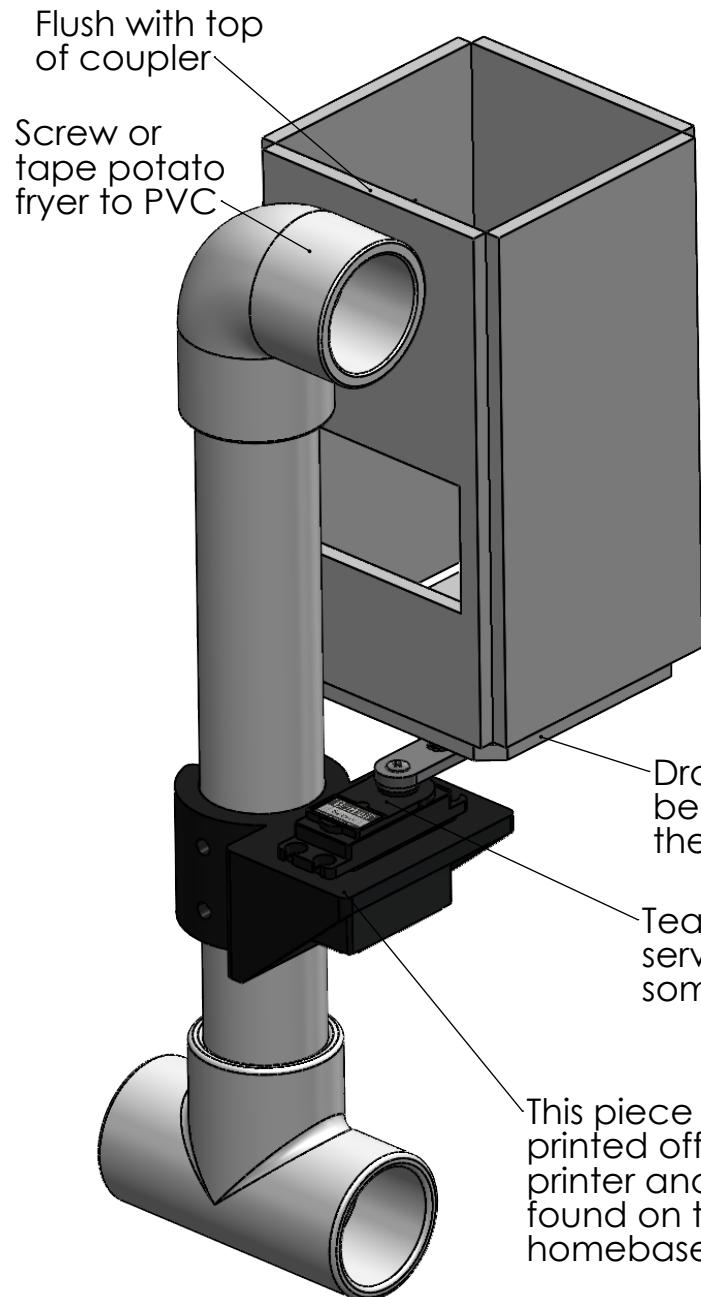
SCALE: 1:5

SHEET 10 OF 14

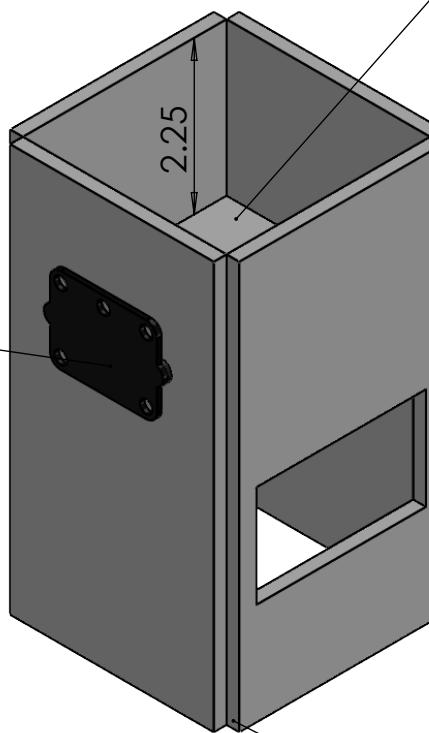
2

1

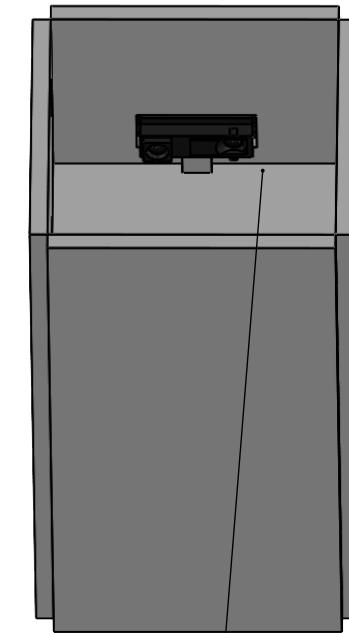
B



Can be
screwed
or taped
on



Lines up with bottom
of rangefinder sensor



B

KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

DWG. NO.

Potato Fryer

REV

SCALE: 1:2

SHEET 11 OF 14

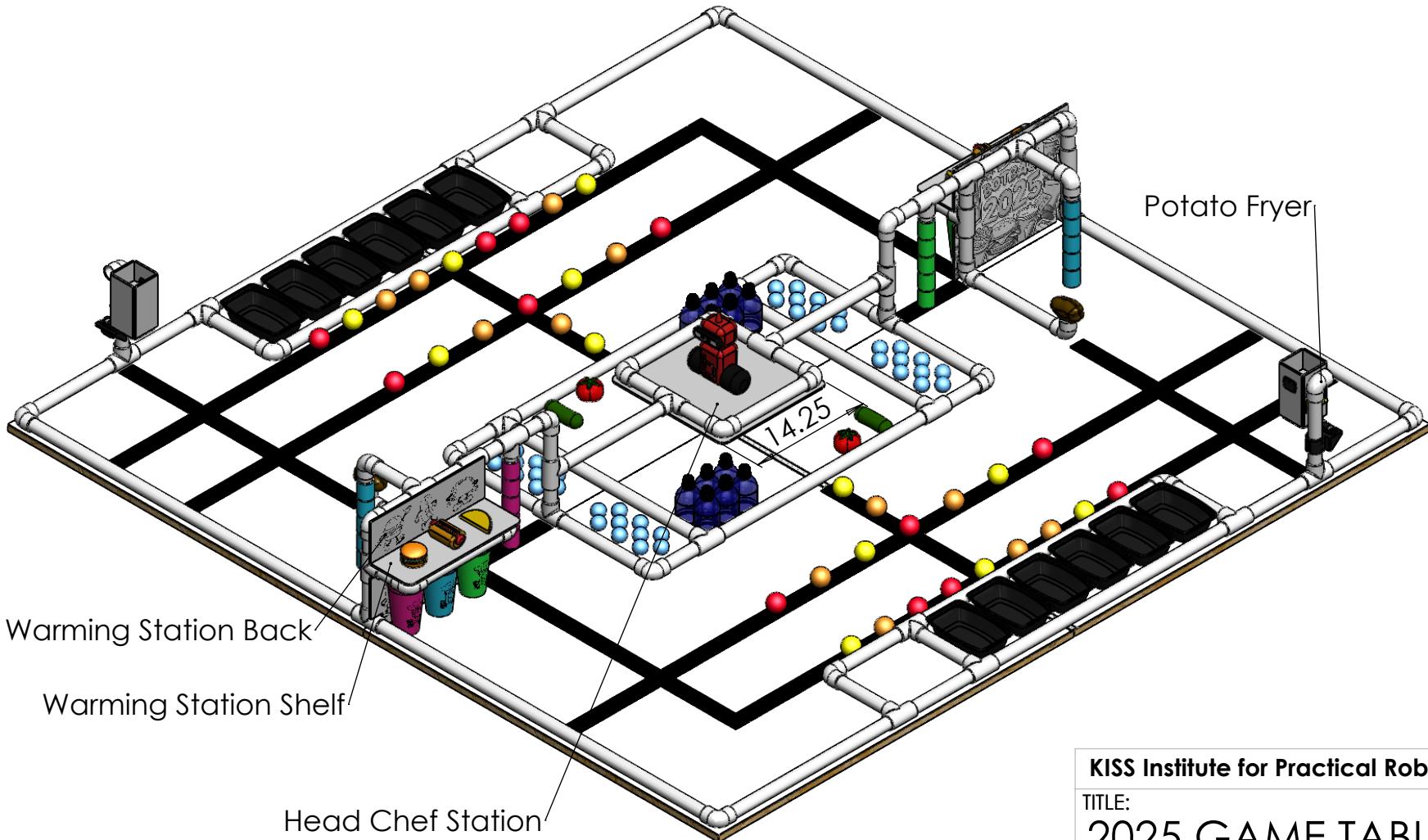
A

2

1

B

B



Secure the above three pieces using screws or tape

KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

A

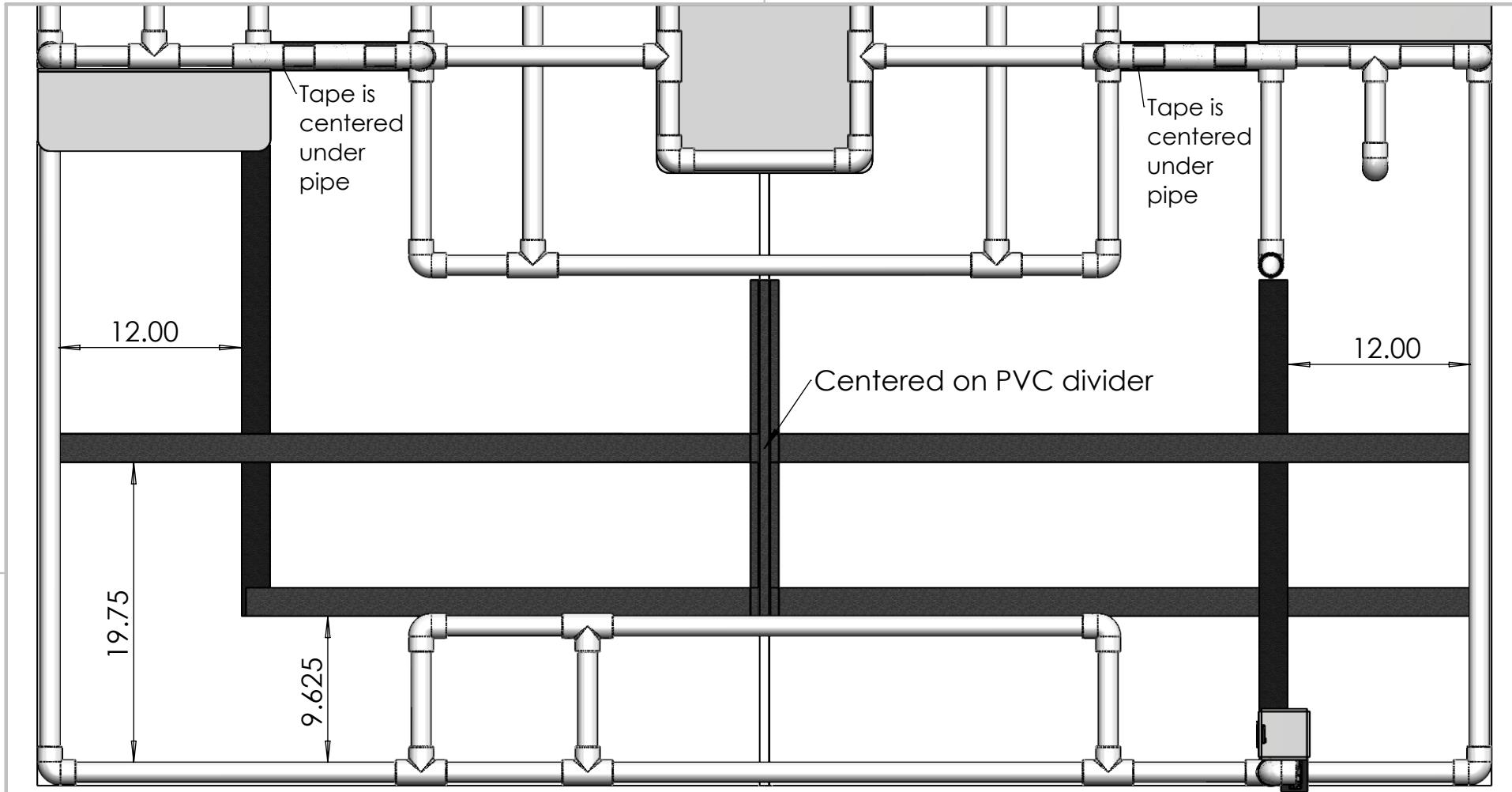
DWG. NO.

Corrugated Plastic
Assembly

REV

SCALE: 1:15

SHEET 12 OF 14



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

DWG. NO.

REV

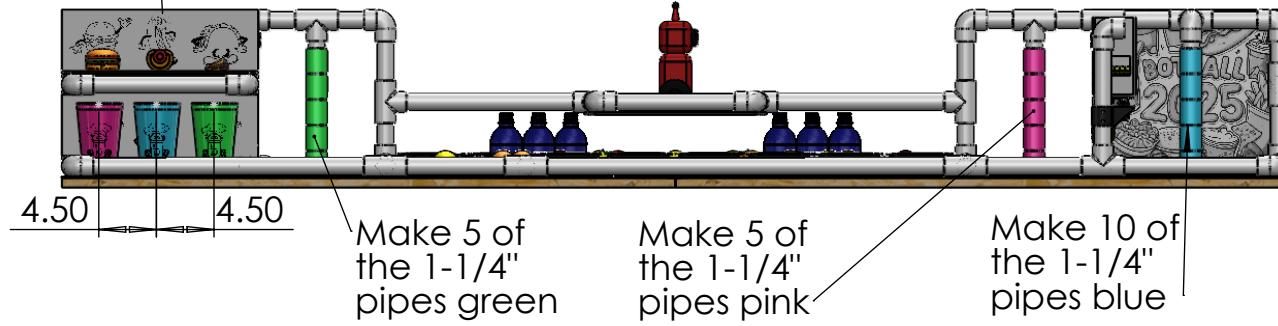
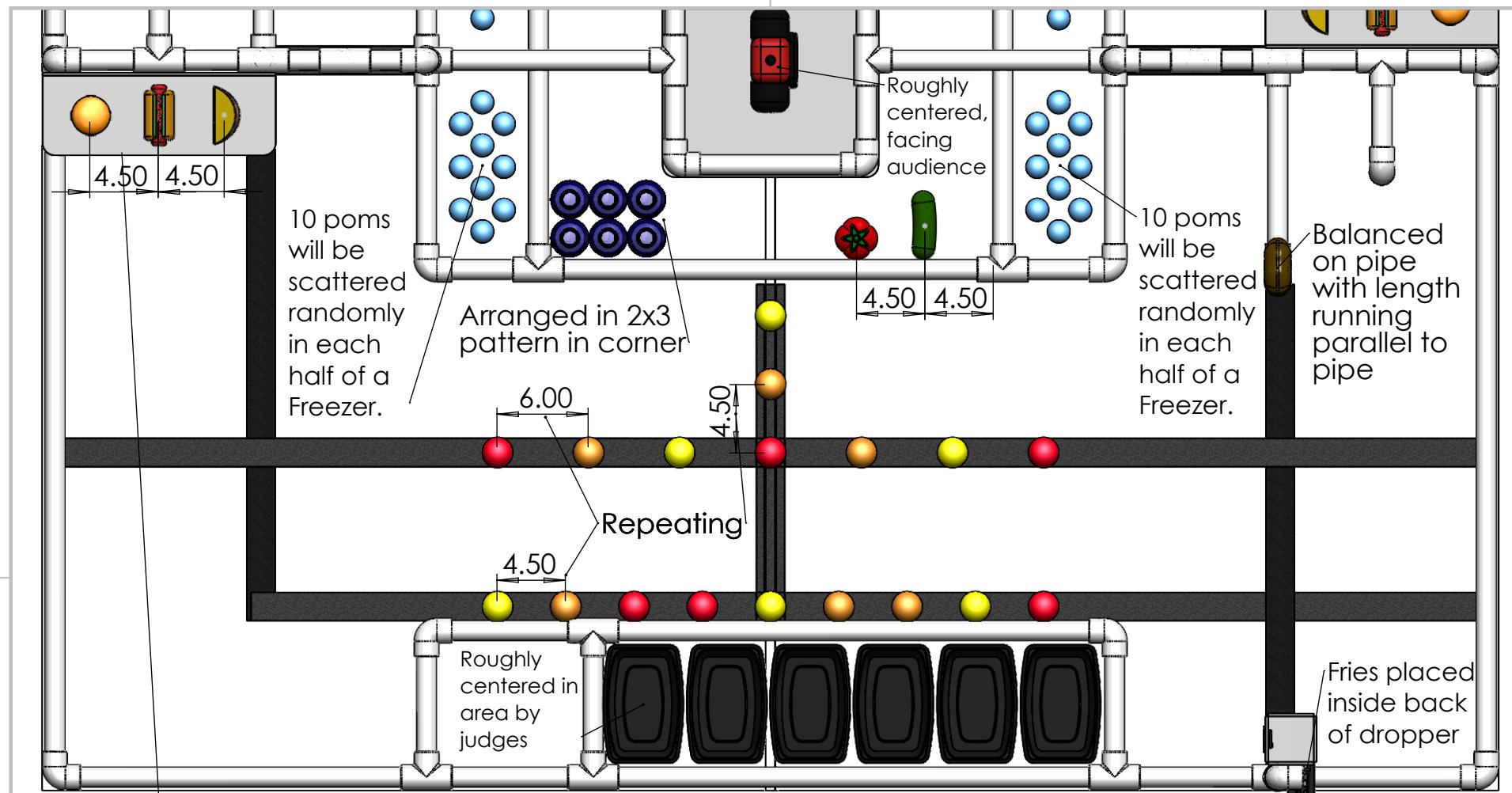
A Tape

SCALE: 1:10

SHEET 13 OF 14

2

1



KISS Institute for Practical Robotics

TITLE:

2025 GAME TABLE

SIZE

ADWG. NO.
Game Pieces

REV

SCALE: 1:10

SHEET 14 OF 14

2

1