

Notes:
1. Bill of Materials and model do not represent all CARGO to be staged and used in a match.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FE-00003	Rail Pin Assy	4
2	FE-00300	HDPE Cable Protector	2
3	FE-00305	Cable protector exit segment with hook	1
4	FE-2022-01	Carpet	2
5	FE-2022-02	Side Border	2
6	FE-2022-03	End Wall	2
7	GE-22000	Terminal Assembly	2
8	GE-22100	Hangar	2
9	GE-22300	Hub	1
10	GE-22497	Cargo - Red	8
11	GE-22498	Cargo - Blue	8
12	GE-22600	Angled cable protector	1

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/2$
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .50$

MATERIAL/FINISH:

DO NOT SCALE DRAWING

FIELD	NAME	DATE
DRAWN	DF	12/16/2021

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COMMENTS:
REMOVE ALL BURRS AND SHARP EDGES.



TITLE: 2022 Field Layout and Marking

SIZE DWG. NO. REV

C FE-2022

SCALE: 1:50 SHEET 2 OF 5

4

3

2

1

D

D

C

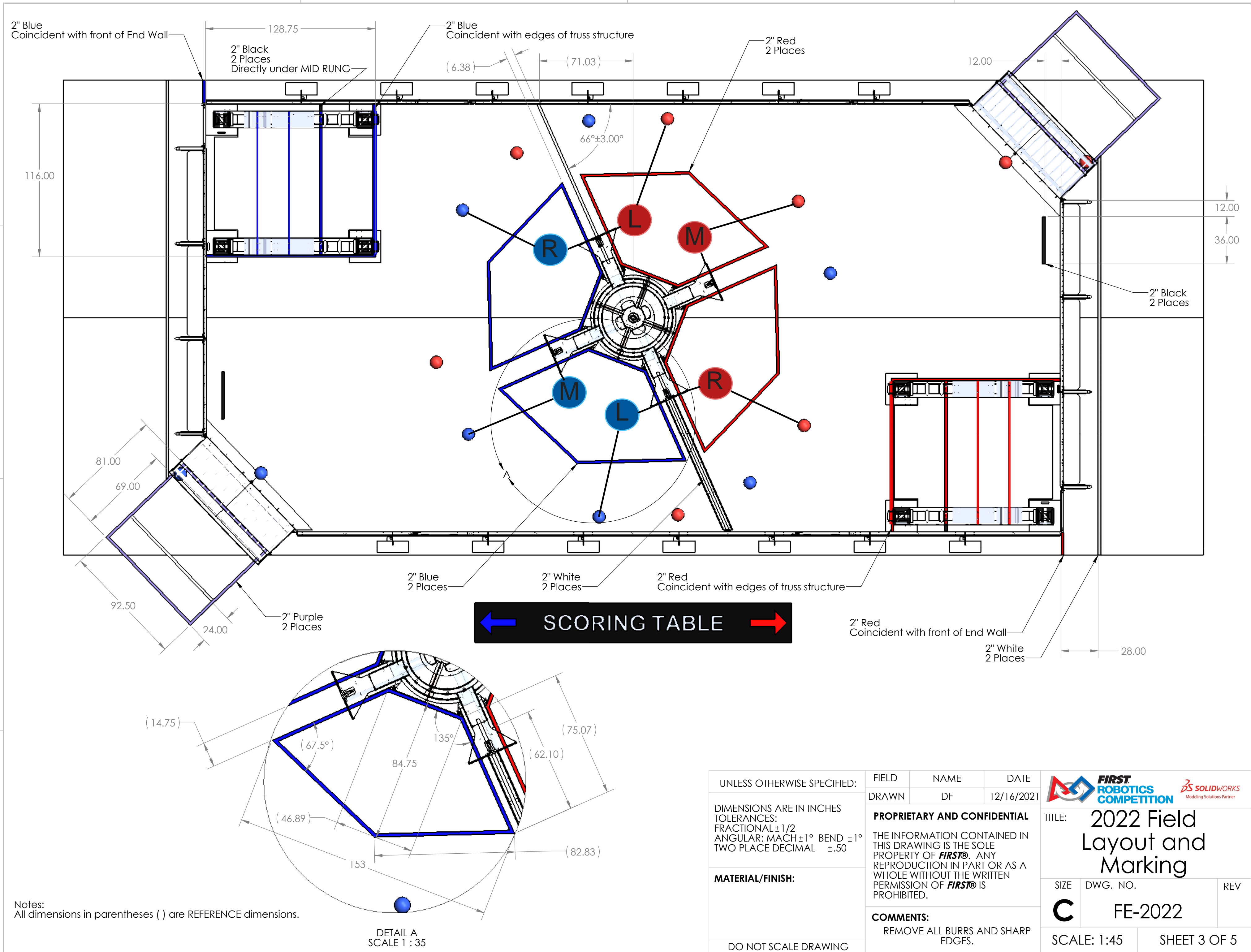
C

B

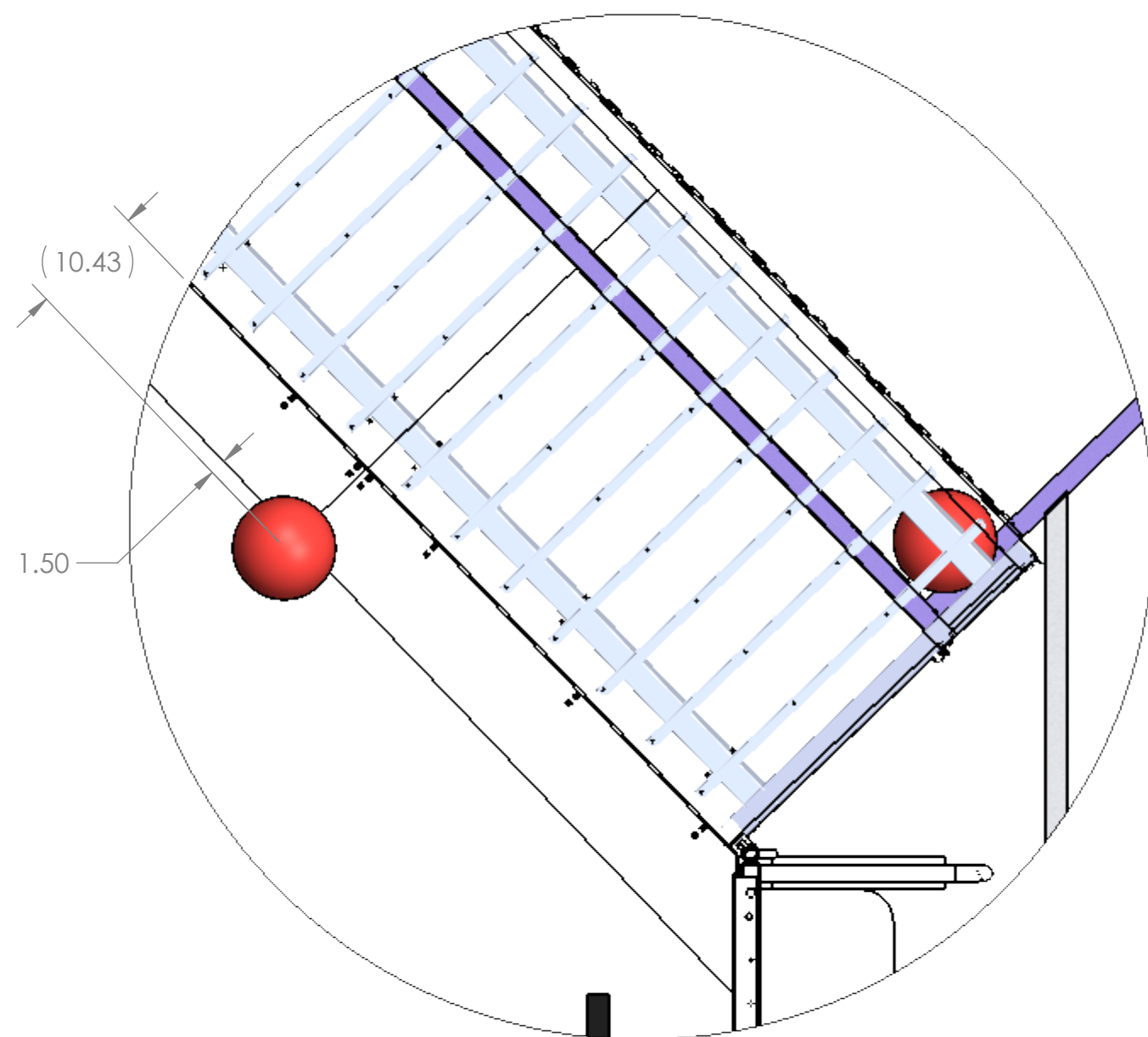
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A

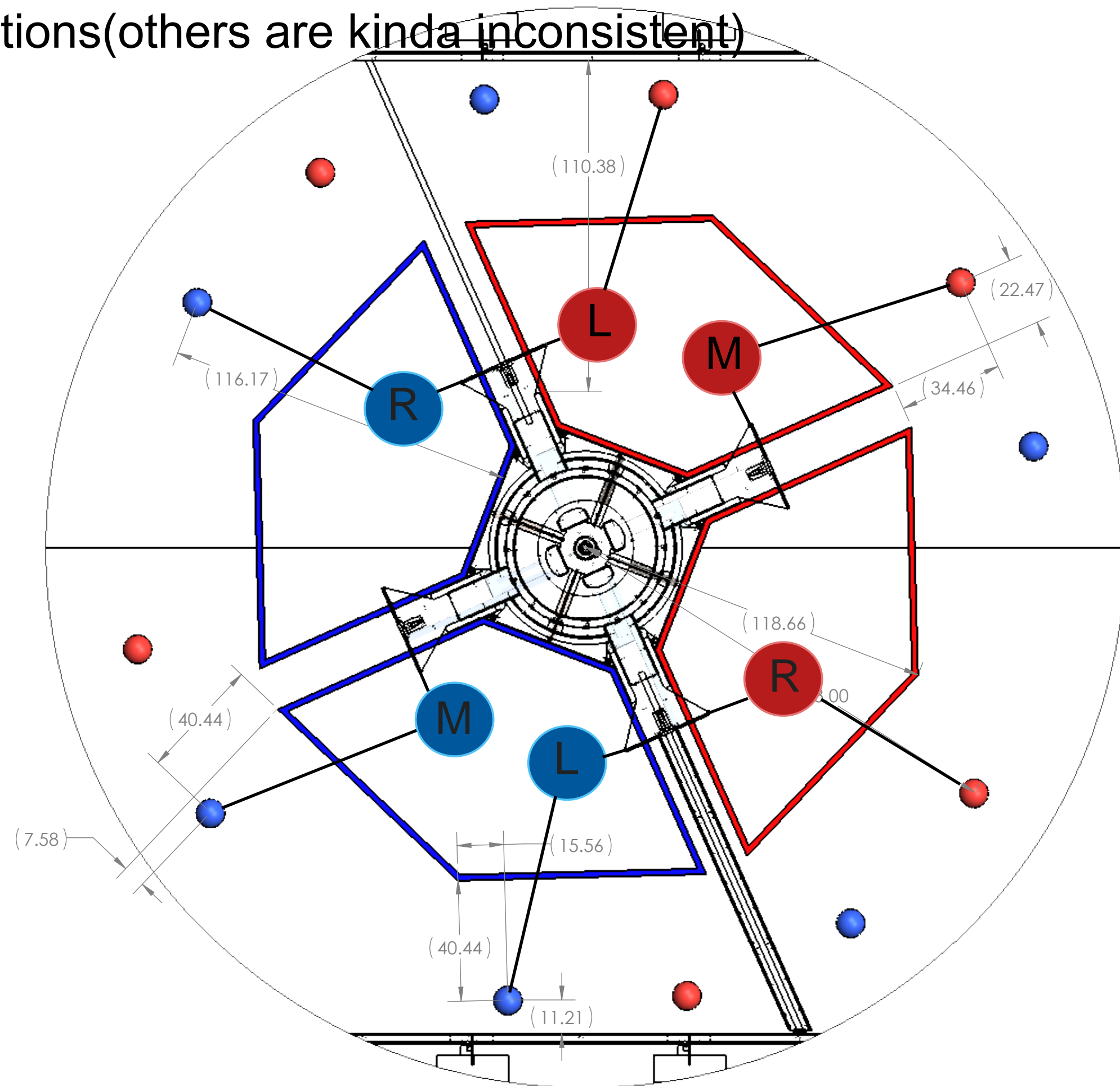
A



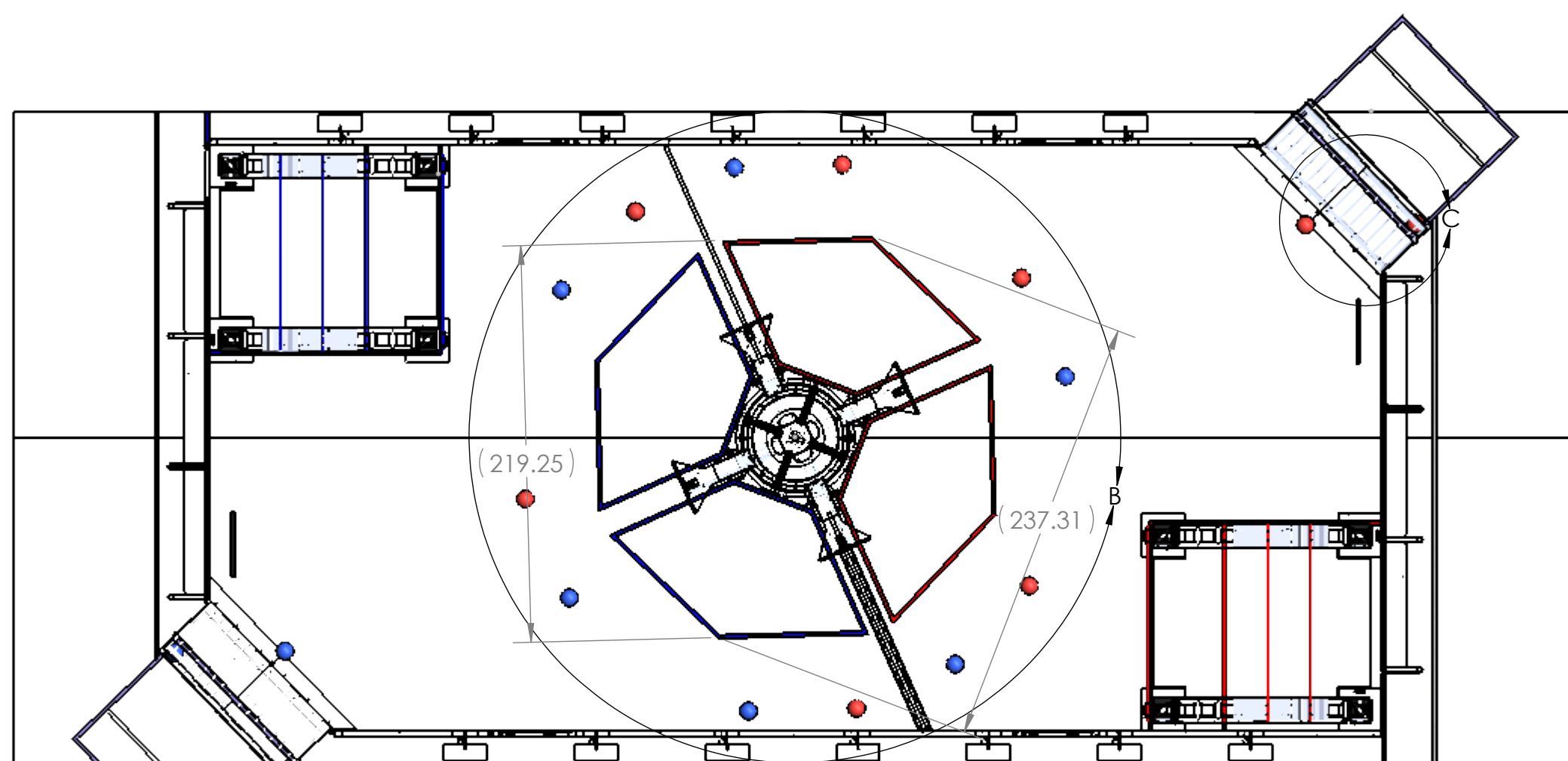
Use the diagram to the right for starting locations(others are kinda inconsistent)



DETAIL C
SCALE 1 : 15




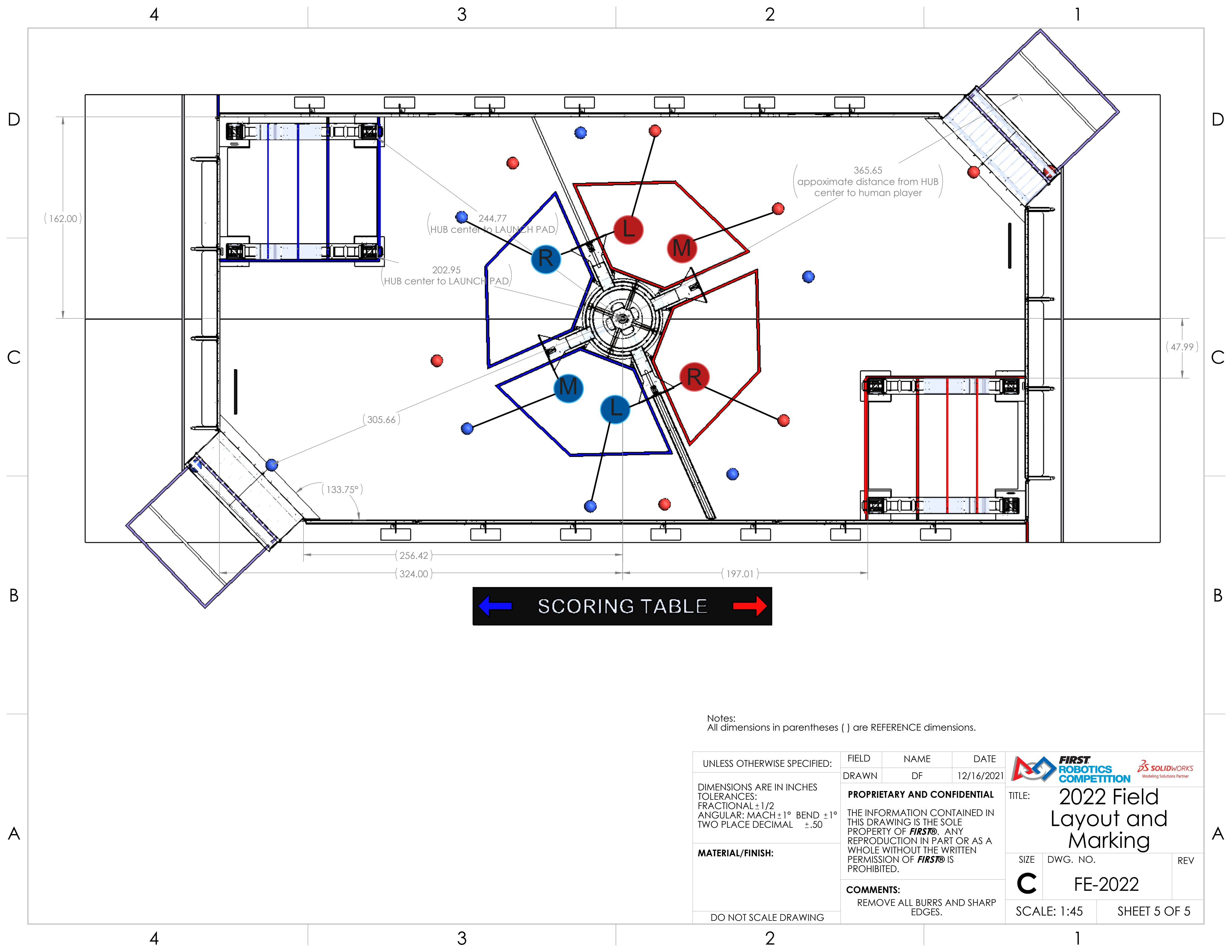
DETAIL B
SCALE 1 : 36





← SCORING TABLE →

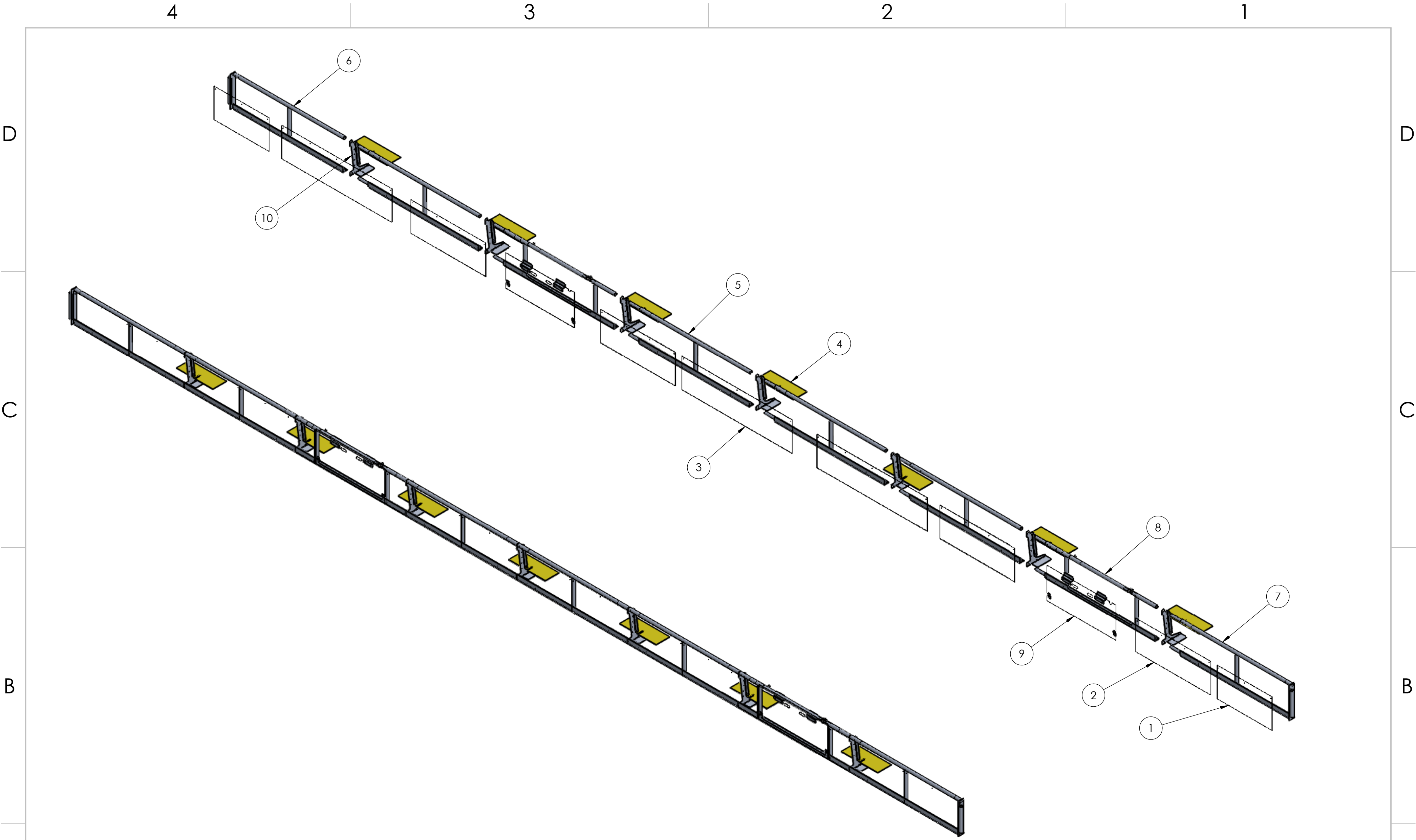
Notes:
All dimensions in parentheses () are REFERENCE dimensions.

UNLESS OTHERWISE SPECIFIED:	FIELD	NAME	DATE	
	DRAWN	DF	12/16/2021	
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/2$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .50$	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.			TITLE: 2022 Field Layout and Marking
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			SIZE: C DWG. NO. FE-2022 REV
DO NOT SCALE DRAWING				SCALE: 1:80 SHEET 4 OF 5



Notes:
All dimensions in parentheses () are REFERENCE dimensions.

UNLESS OTHERWISE SPECIFIED:	FIELD	NAME	DATE	 	
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/2 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.50	DRAWN	DF	12/16/2021	TITLE: 2022 Field Layout and Marking	
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.			SIZE	DWG. NO.
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			C	FE-2022
MATERIAL/FINISH:				REV	
DO NOT SCALE DRAWING				SCALE: 1:45 SHEET 5 OF 5	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FE-00008	Field Plastic "A"	2
2	FE-00009	Field Plastic "B"	4
3	FE-00010	Field Plastic "C"	3
4	FE-00015	Trip Guard	7
5	FE-00022	Field Rail Assy - Mid	4
6	FE-00023	Field Rail Assy - Left	1
7	FE-00024	Field Rail Assy - Right	1
8	FE-00029	Field Gate, Assembly	2
9	FE-00047	Gate Plastic Assembly	2
10	FE-00050	Outrigger	7

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/2$
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .50$

MATERIAL/FINISH:

DO NOT SCALE DRAWING

FIELD	NAME	DATE
DRAWN	CO	12/30/2021
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COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.		

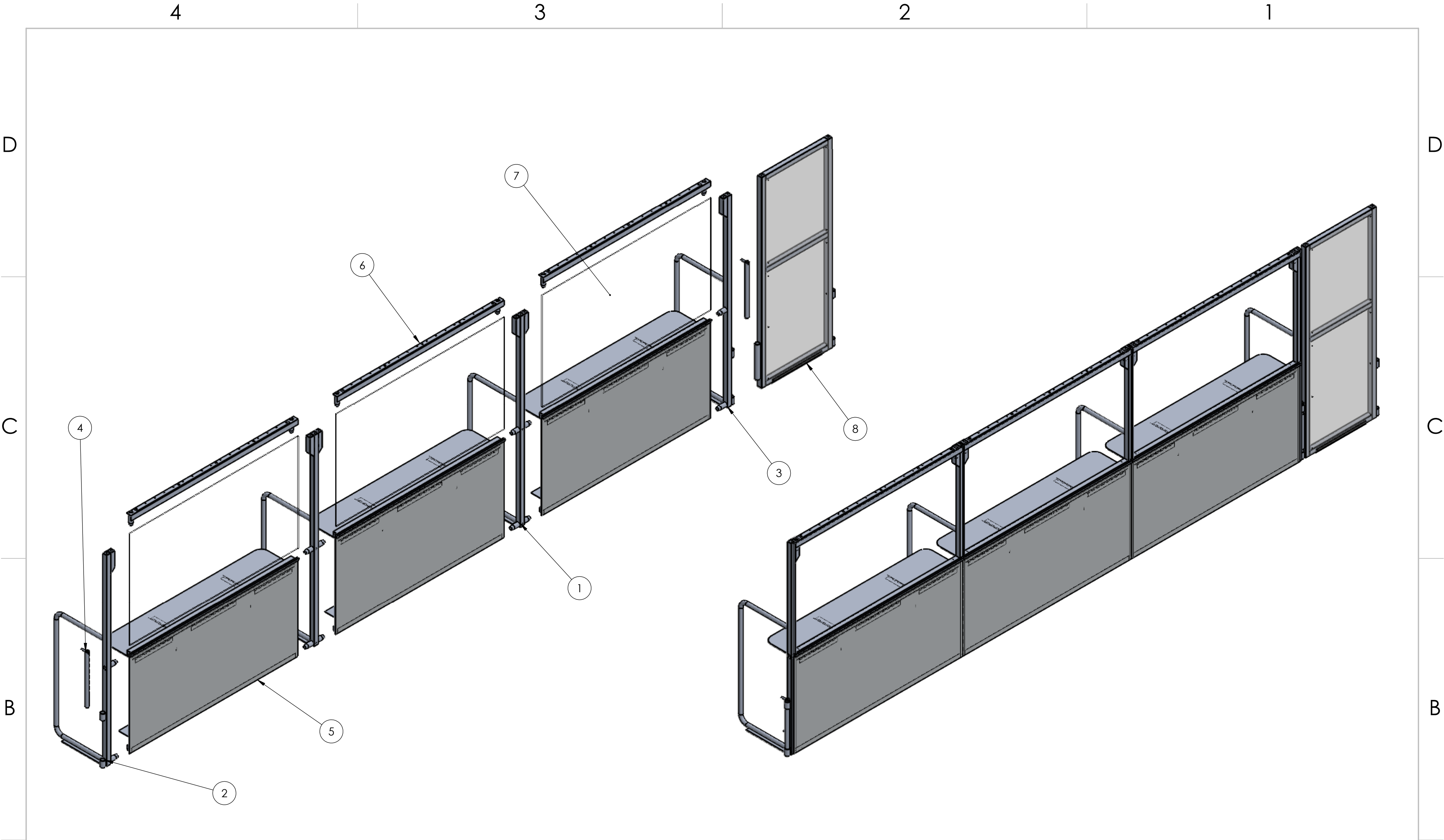


TITLE:

Side Border

SIZE	DWG. NO.	REV
C	FE-2022-02	

SCALE: 1:30	SHEET 1 OF 1
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FE-00001	Drivers Station Support	2
2	FE-00002_Right	Corner Supports, Right	1
3	FE-00002	Corner Supports, Left	1
4	FE-00003	Rail Pin Assy	2
5	FE-00004	End Panel	3
6	FE-00007	Field Top Rail	3
7	FE-00012	Drivers Station Acrylic	3
8	GE-22202	Alliance Station Panel	1

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TOLERANCES:
FRACTIONAL $\pm 1/2$
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
TWO PLACE DECIMAL $\pm .50$

MATERIAL/FINISH:

DO NOT SCALE DRAWING

FIELD

NAME

DATE

DRAWN

CO

12/30/2021

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FIRST
ROBOTICS
COMPETITION



Modeling Solutions Partner

TITLE:

End Wall

SIZE

DWG. NO.

REV

C

FE-2022-03

SCALE: 1:20

SHEET 1 OF 1