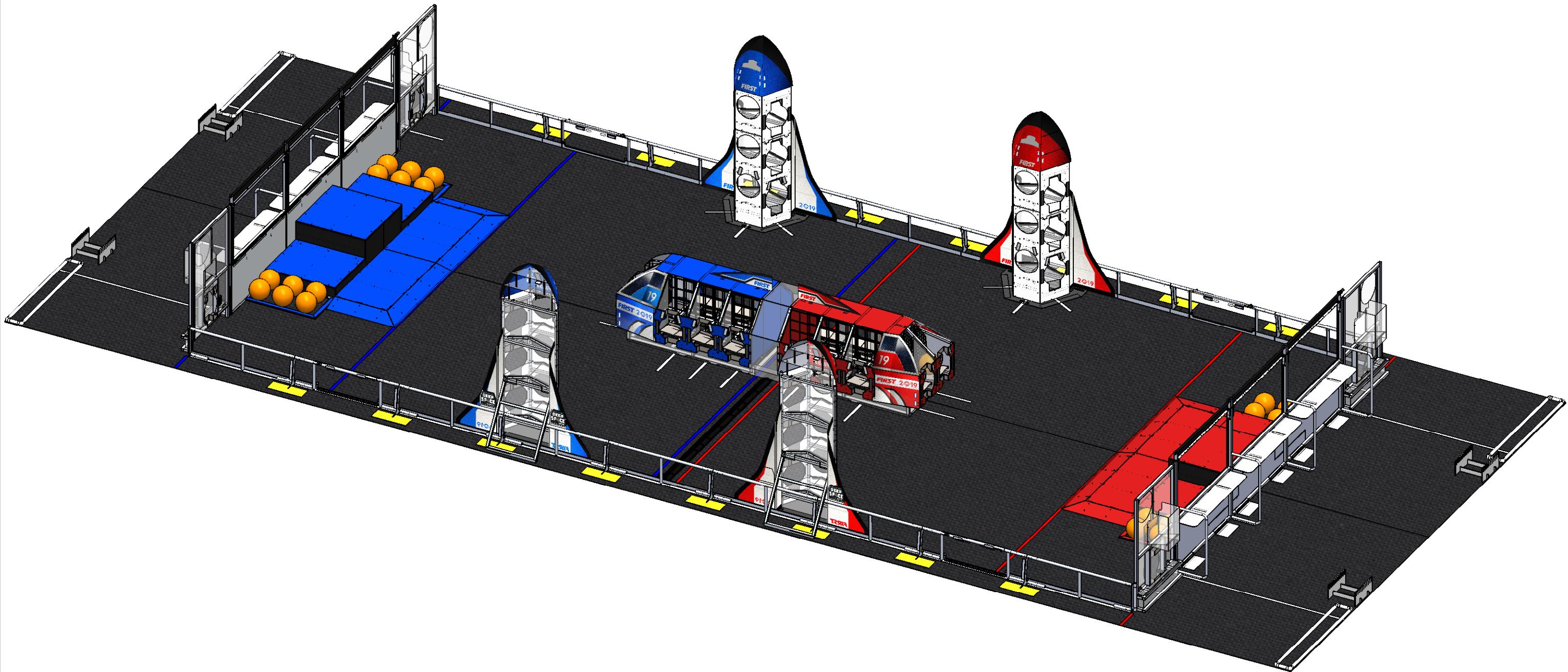


4

3

2

1



4

3

2

1

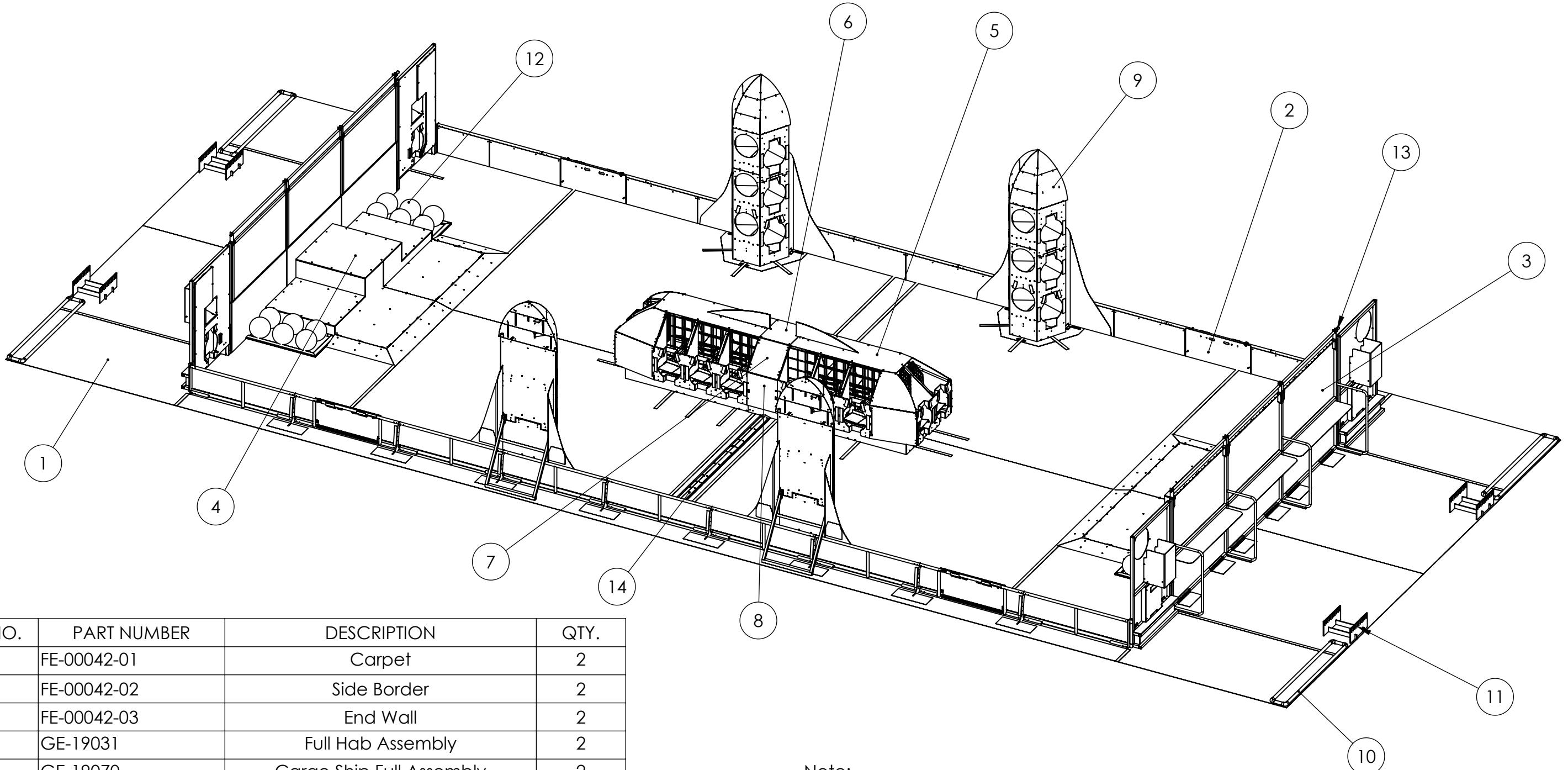
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		DRAWN			
		CHECKED			
		ENG APPR.			
		MFG APPR.			
		Q.A.			
		COMMENTS:			
SIZE	DWG. NO.				REV
B	FE-00042				
SCALE: 1:192	WEIGHT:				SHEET 1 OF 5

FIRST
ROBOTICS
COMPETITION

SOLIDWORKS
Modeling Solutions Partner

**2019 Field Layout
and Marking**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FE-00042-01	Carpet	2
2	FE-00042-02	Side Border	2
3	FE-00042-03	End Wall	2
4	GE-19031	Full Hab Assembly	2
5	GE-19070	Cargo Ship Full Assembly	2
6	GE-19100	Bridge Plastic Top	1
7	GE-19101	Bridge Plastic Top Side	2
8	GE-19102	Bridge Plastic Side	2
9	GE-19121	Rocket Assembly	4
10	GE-19183	Cargo Hold Assembly	4
11	GE-19186	Panel Hold Assembly	4
12	GE-19187	Cargo	28
13	GE-19201	Shutter Assembly	2
14	GE-19227	Cable Protector Assembly	1

Note:
The actual quantity of CARGO and HATCH PANELS will vary based on which game pieces are pre-populated.

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL $\pm 1/16$	ENG APPR.		
		ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$	MFG APPR.		
		TWO PLACE DECIMAL $\pm .01$	Q.A.		
		THREE PLACE DECIMAL $\pm .001$	COMMENTS:		
			MATERIAL		
			FINISH		
	NEXT ASSY	USED ON			
			APPLICATION	DO NOT SCALE DRAWING	
SIZE	DWG. NO.				REV
B	FE-00042				
SCALE: 1:192	WEIGHT:				SHEET 2 OF 5

FIRST
ROBOTICS
COMPETITION

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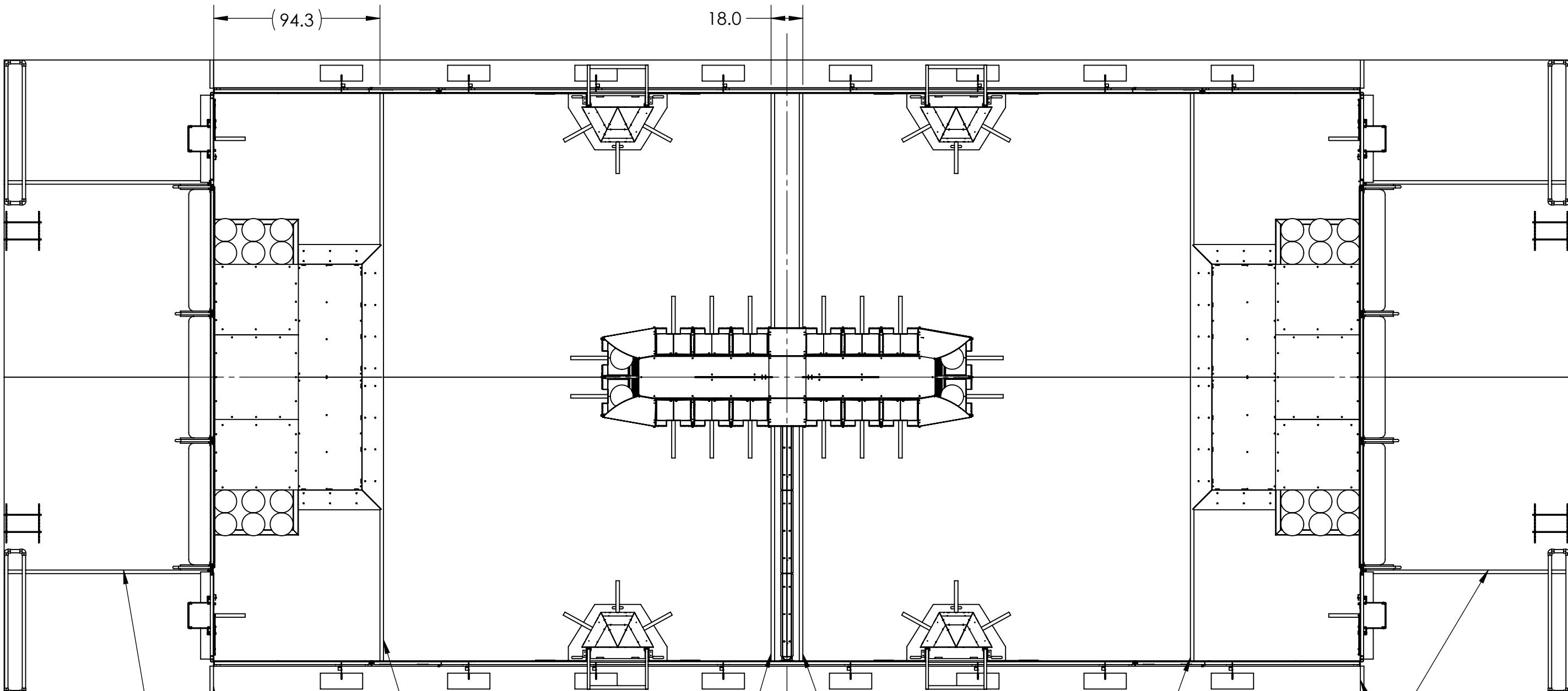
2019 Field Layout and Marking

4

3

2

1



2" White
2 Places
Flush with edge
of Driver Station

2" Blue
2 Places
Coincident with front
of Driver Station

2" Blue,
Half on, half off HAB

2" Blue

2" Red

2" Red,
Half on, half off HAB

2" Red
2 Places
Coincident with front
of Driver Station

2" White
2 Places
Flush with edge
of Driver Station

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001													
		INTERPRET GEOMETRIC TOLERANCING PER:			Q.A.	COMMENTS:									
MATERIAL	NEXT ASSY	USED ON	FINISH												
APPLICATION	DO NOT SCALE DRAWING														
FIRST ROBOTICS COMPETITION	SOLIDWORKS Modeling Solutions Partner	TITLE: 2019 Field Layout and Marking													
SIZE	DWG. NO.	REV													
B	FE-00042														
SCALE: 1:192		WEIGHT:		SHEET 3 OF 5											

4

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2

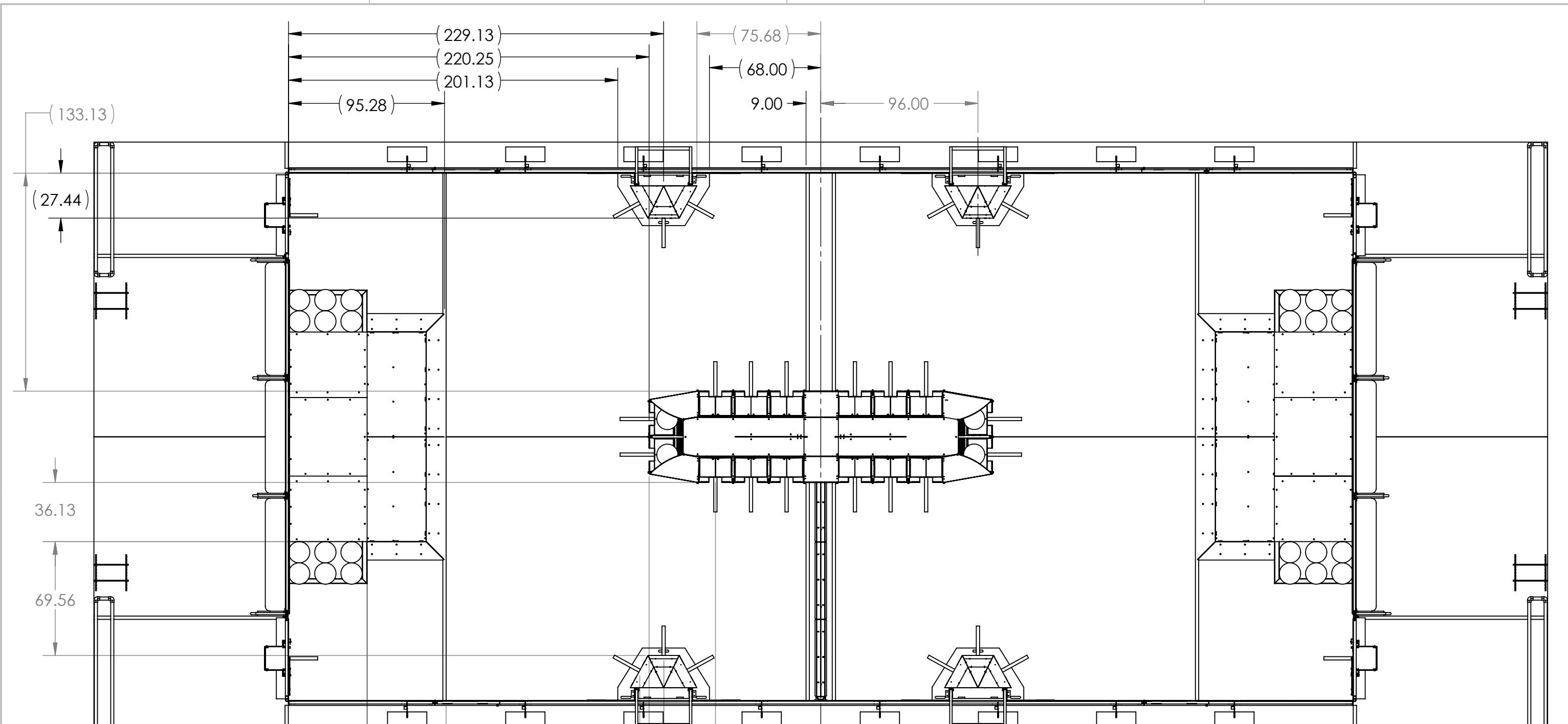
1

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1



(48.28) ← (166.57) ← (172.25) ← (181.28) ← (212.80) ←

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		DRAWN		
		CHECKED		
		ENG APPR.		
		MFG APPR.		
		Q.A.		
		COMMENTS:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION	DO NOT SCALE DRAWING			

FIRST ROBOTICS COMPETITION **SOLIDWORKS**
Modeling Solutions Partner

TITLE: 2019 Field Layout and Marking

SIZE	DWG. NO.	REV
B	FE-00042	
SCALE: 1:192		WEIGHT: SHEET 4 OF 5

4

3

2

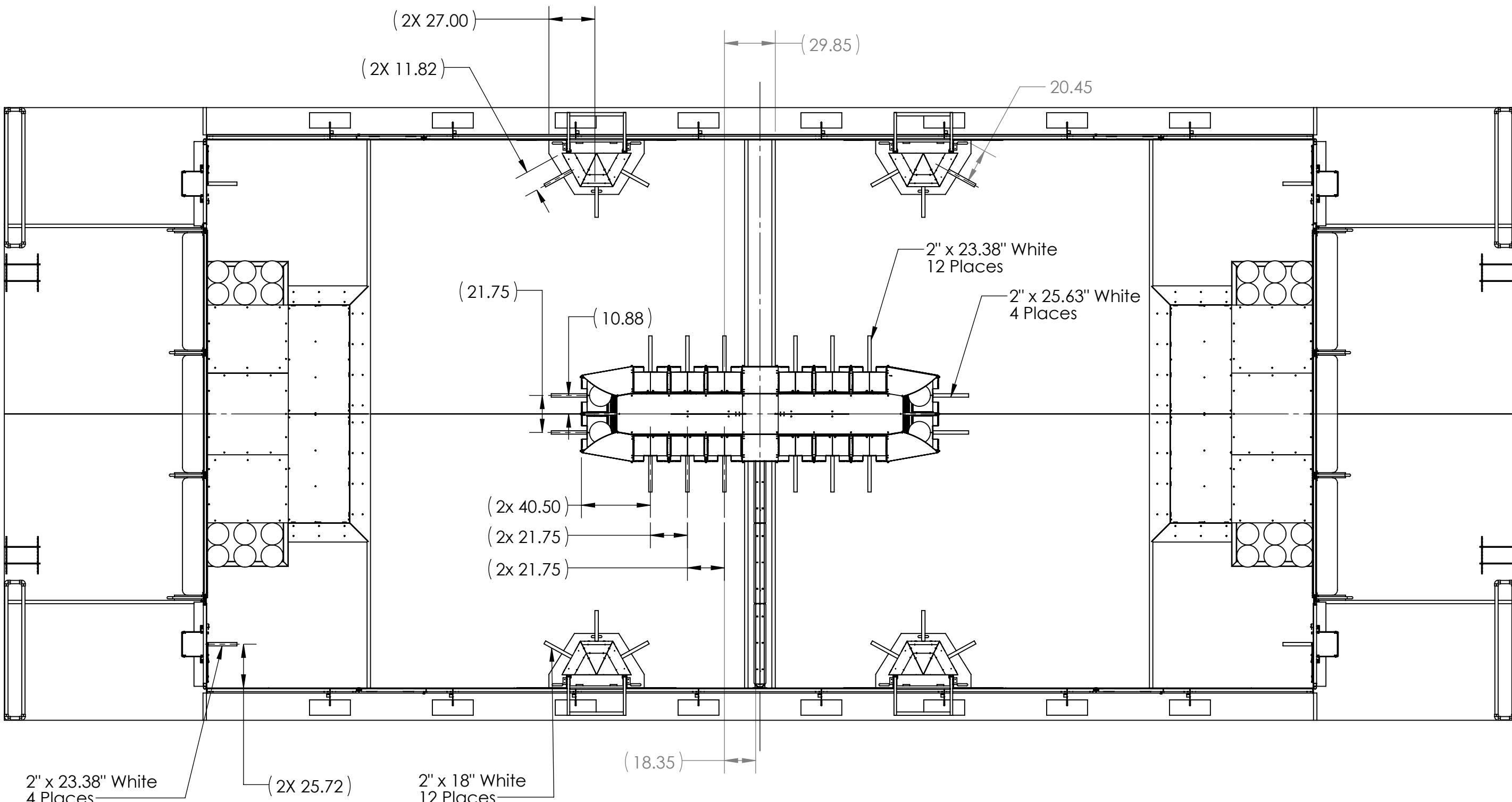
1

4

3

2

1



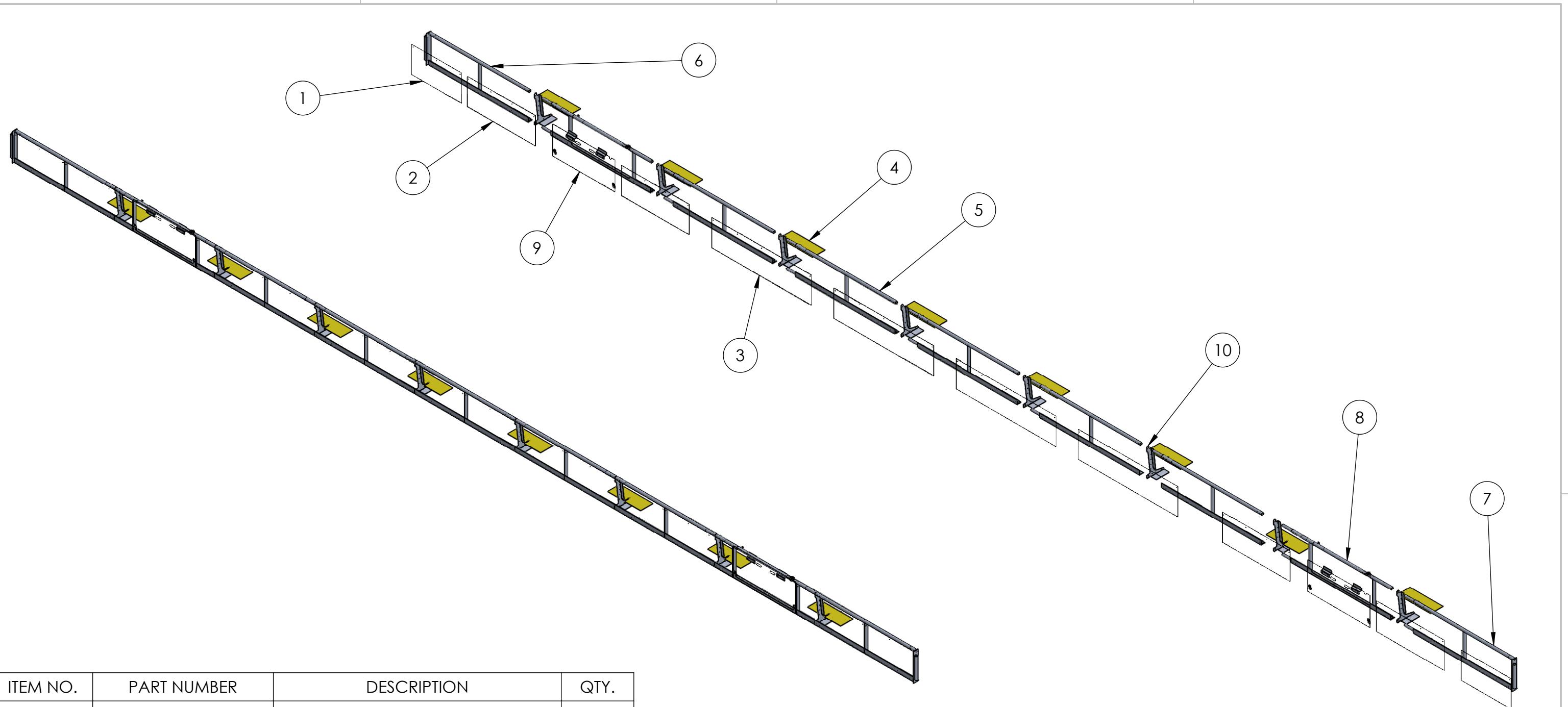
2" x 23.38" White
4 Places

2" x 18" White
12 Places —

(18.35)

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			CHECKED			
			ENG APPR.			
			MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL	COMMENTS:			
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				
SCALE: 1:192			WEIGHT:		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"	4
4	FE-00015	Trip Guard	8
5	FE-00022	Field Rail Assy - Mid	5
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	8

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			CHECKED				
			ENG APPR.				
			MFG APPR.				
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.				
		MATERIAL	COMMENTS:				
NEXT ASSY	USED ON	FINISH					
APPLICATION		DO NOT SCALE DRAWING					
SCALE: 1:96		WEIGHT:	SHEET 1 OF 1				

4

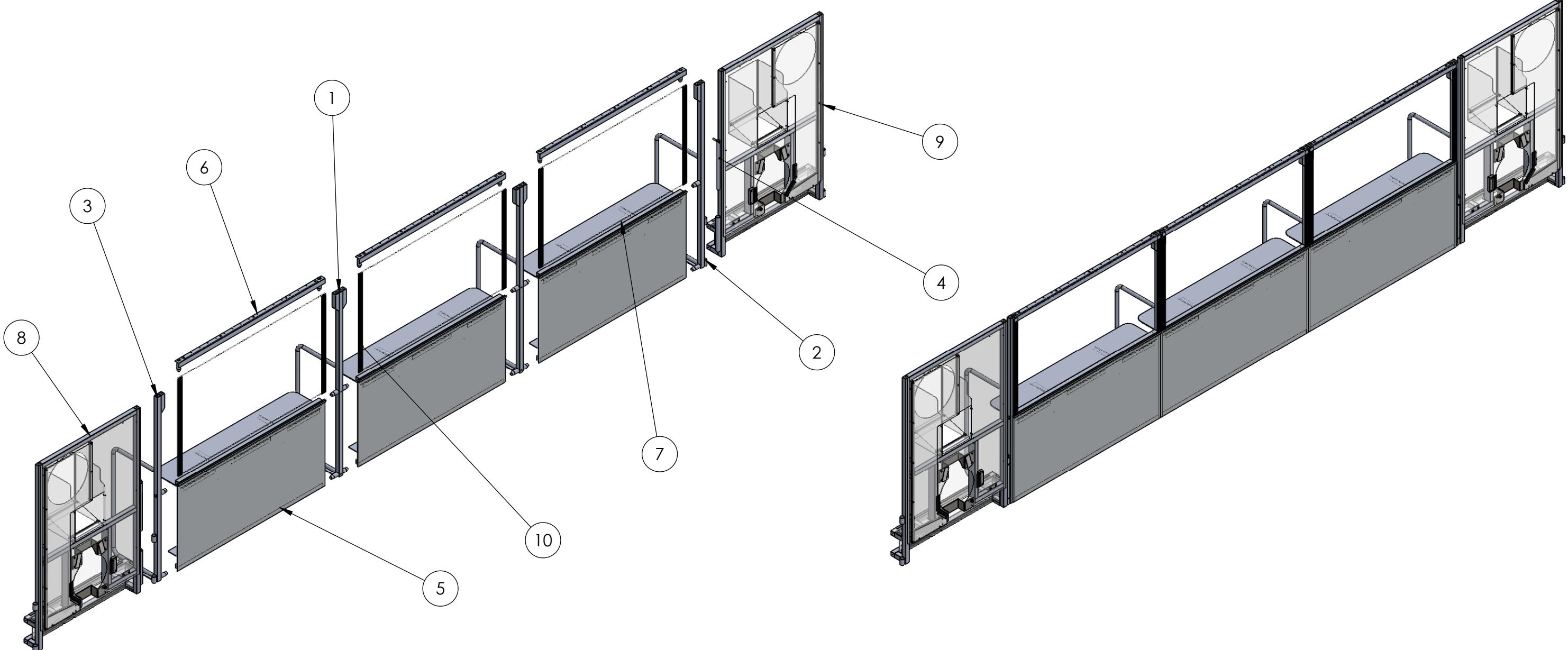
3

2

1

B

B



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FE-00001	Drivers Station Support	2
2	FE-00002	Corner Supports, Left	1
3	FE-00002_Right	Corner Supports, Right	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-19130	Feeder Station Assembly	1
9	GE-19155	Loading Station Assembly, Left	1
10	Tape_BlackDSWindow	Black Tape, DS Windows	6

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		DRAWN		
		CHECKED		
		ENG APPR.		
		MFG APPR.		
		Q.A.		
		COMMENTS:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		
SCALE: 1:96		WEIGHT:	SHEET 1 OF 1	

FIRST[®] ROBOTICS COMPETITION **SOLIDWORKS**
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End Wall

B FE-00042-03

4

3

2

1