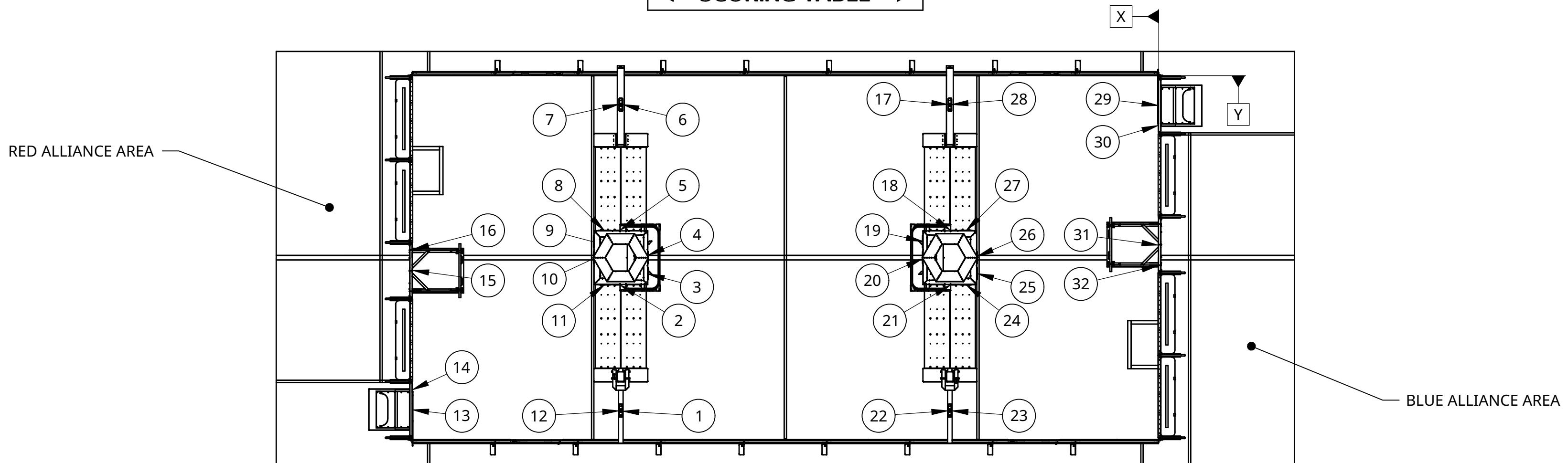


APRILTAGS

← SCORING TABLE →



Welded Perimeter

ID	Field Element	X	Y	Z	Z-Rotation
1	Trench, Red	(467.64)	(292.31)	(35.00)	180°
2	Hub, Red	(469.11)	(182.60)	(44.25)	90°
3	Hub, Red	(445.35)	(172.84)	(44.25)	180°
4	Hub, Red	(445.35)	(158.84)	(44.25)	180°
5	Hub, Red	(469.11)	(135.09)	(44.25)	270°
6	Trench, Red	(467.64)	(25.37)	(35.00)	180°
7	Trench, Red	(470.59)	(25.37)	(35.00)	0°
8	Hub, Red	(483.11)	(135.09)	(44.25)	270°
9	Hub, Red	(492.88)	(144.84)	(44.25)	0°
10	Hub, Red	(492.88)	(158.84)	(44.25)	0°
11	Hub, Red	(483.11)	(182.60)	(44.25)	90°
12	Trench, Red	(470.59)	(292.31)	(35.00)	0°
13	Outpost, Red	(650.92)	(291.47)	(21.75)	180°
14	Outpost, Red	(650.92)	(274.47)	(21.75)	180°
15	Tower, Red	(650.90)	(170.22)	(21.75)	180°
16	Tower, Red	(650.90)	(153.22)	(21.75)	180°
17	Trench, Blue	(183.59)	(25.37)	(35.00)	0°
18	Hub, Blue	(182.11)	(135.09)	(44.25)	270°
19	Hub, Blue	(205.87)	(144.84)	(44.25)	0°
20	Hub, Blue	(205.87)	(158.84)	(44.25)	0°
21	Hub, Blue	(182.11)	(182.60)	(44.25)	90°
22	Trench, Blue	(183.59)	(292.31)	(35.00)	0°
23	Trench, Blue	(180.64)	(292.31)	(35.00)	180°
24	Hub, Blue	(168.11)	(182.60)	(44.25)	90°
25	Hub, Blue	(158.34)	(172.84)	(44.25)	180°
26	Hub, Blue	(158.34)	(158.84)	(44.25)	180°
27	Hub, Blue	(168.11)	(135.09)	(44.25)	270°
28	Trench, Blue	(180.64)	(25.37)	(35.00)	180°
29	Outpost, Blue	(0.30)	(26.22)	(21.75)	0°
30	Outpost, Blue	(0.30)	(43.22)	(21.75)	0°
31	Tower, Blue	(0.32)	(147.47)	(21.75)	0°
32	Tower, Blue	(0.32)	(164.47)	(21.75)	0°

AndyMark Perimeter

ID	Field Element	X	Y	Z	Z-Rotation
1	Trench, Red	(467.08)	(291.79)	(35.00)	180°
2	Hub, Red	(468.56)	(182.08)	(44.25)	90°
3	Hub, Red	(444.80)	(172.32)	(44.25)	180°
4	Hub, Red	(444.80)	(158.32)	(44.25)	180°
5	Hub, Red	(468.56)	(134.56)	(44.25)	270°
6	Trench, Red	(467.08)	(24.85)	(35.00)	180°
7	Trench, Red	(470.03)	(24.85)	(35.00)	0°
8	Hub, Red	(482.56)	(134.56)	(44.25)	270°
9	Hub, Red	(492.33)	(144.32)	(44.25)	0°
10	Hub, Red	(492.33)	(158.32)	(44.25)	0°
11	Hub, Red	(482.56)	(182.08)	(44.25)	90°
12	Trench, Red	(470.03)	(291.79)	(35.00)	0°
13	Outpost, Red	(649.58)	(291.02)	(21.75)	180°
14	Outpost, Red	(649.58)	(274.02)	(21.75)	180°
15	Tower, Red	(649.57)	(169.78)	(21.75)	180°
16	Tower, Red	(649.57)	(152.78)	(21.75)	180°
17	Trench, Blue	(183.03)	(24.85)	(35.00)	0°
18	Hub, Blue	(181.56)	(134.56)	(44.25)	270°
19	Hub, Blue	(205.32)	(144.32)	(44.25)	0°
20	Hub, Blue	(205.32)	(158.32)	(44.25)	0°
21	Hub, Blue	(181.56)	(182.08)	(44.25)	90°
22	Trench, Blue	(183.03)	(291.79)	(35.00)	0°
23	Trench, Blue	(180.08)	(291.79)	(35.00)	180°
24	Hub, Blue	(167.56)	(182.08)	(44.25)	90°
25	Hub, Blue	(157.79)	(172.32)	(44.25)	180°
26	Hub, Blue	(157.79)	(158.32)	(44.25)	180°
27	Hub, Blue	(167.56)	(134.56)	(44.25)	270°
28	Trench, Blue	(180.08)	(24.85)	(35.00)	180°
29	Outpost, Blue	(0.54)	(25.62)	(21.75)	0°
30	Outpost, Blue	(0.54)	(42.62)	(21.75)	0°
31	Tower, Blue	(0.55)	(146.86)	(21.75)	0°
32	Tower, Blue	(0.55)	(163.86)	(21.75)	0°

AprilTag Coordinates

The XYZ origin is established in the top right corner of the field (as viewed in the image above). An X coordinate of 0 is aligned with the Blue Alliance Station diamond plate (or extrusion frame for the AndyMark perimeter). A Y coordinate of 0 is aligned with the Scoring Table side guardrail polycarbonate (or extrusion frame for the AndyMark perimeter). A Z coordinate of 0 is on the surface of the carpet. Distances are measured to the center of the front face of the tag.

+Z is up in the air from the carpet, +X is toward the red alliance station (left, in the image above), and +Y is away from the scoring table (down, in the image above). The orientation of the tag is specified by the Z-rotation. 0° faces the Red Alliance Station, 90° faces the audience side (non-Scoring Table side), and 180° faces the Blue Alliance Station.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR ± 5° .XXX = ±0.250	FIELD	NAME	DATE	 FIRST ROBOTICS COMPETITION		
DRAWN	OCD	12/10/2025				
DO NOT SCALE DRAWING				MATERIAL	TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				REBUILT™ PLAYING FIELD		
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.	REV.
				C	FE-2026	A
				SCALE	1:80	SHEET 11 of 11