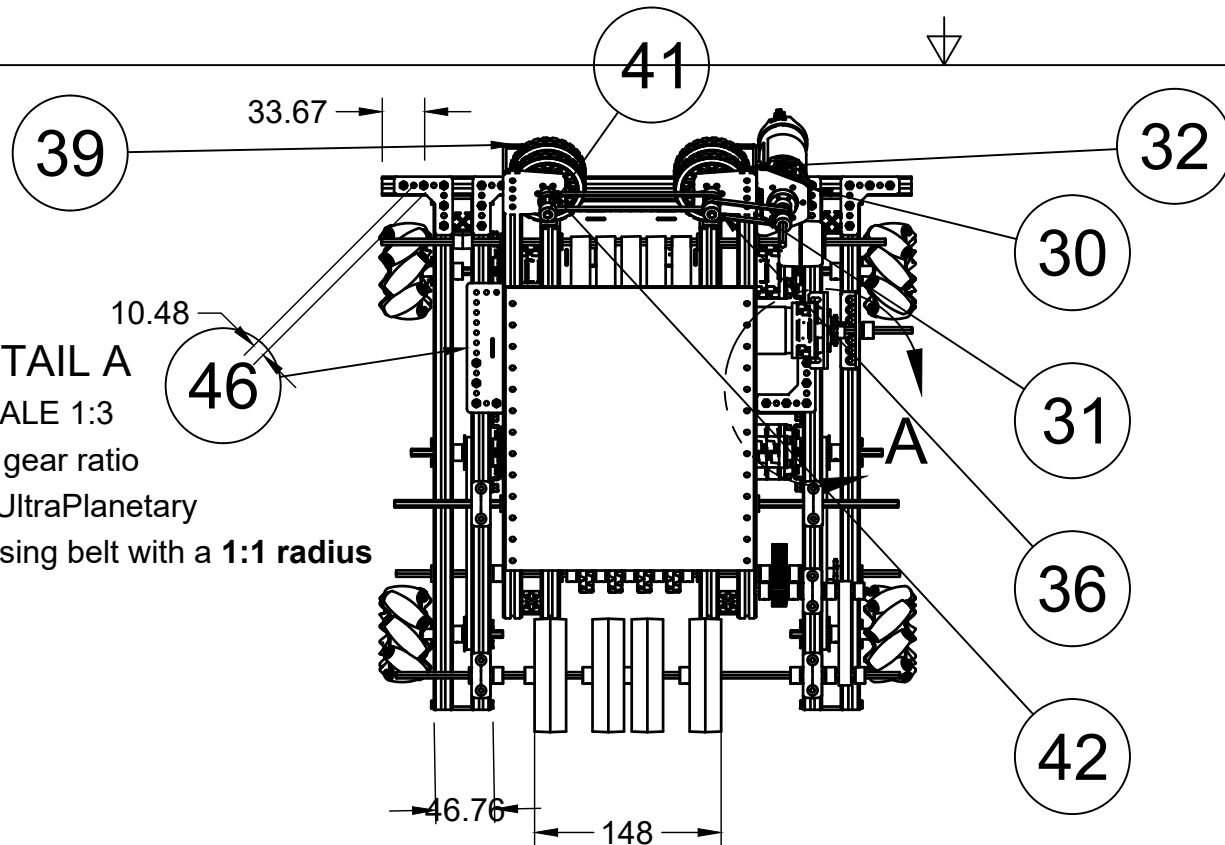
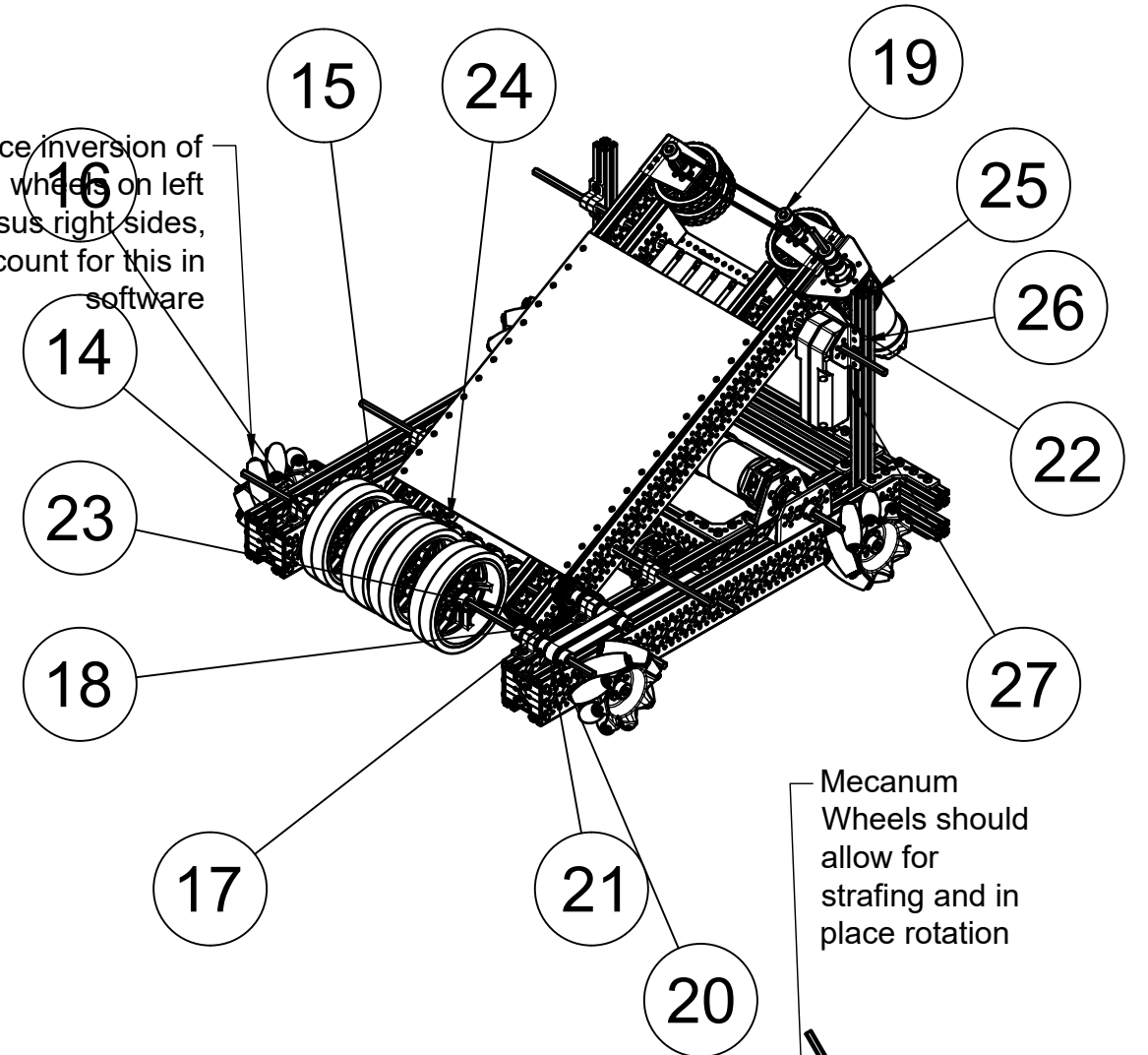


**DETAIL A**  
SCALE 1:3  
20:1 gear ratio  
HDHex UltraPlanetary  
Back wheels driven using belt with a 1:1 radius

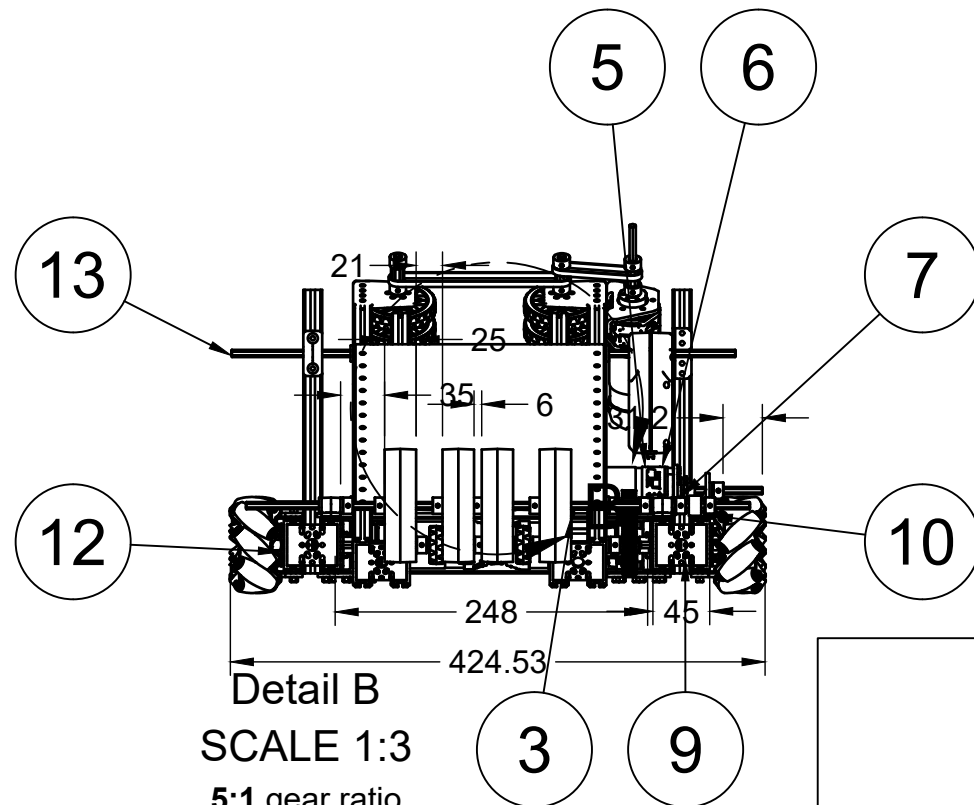
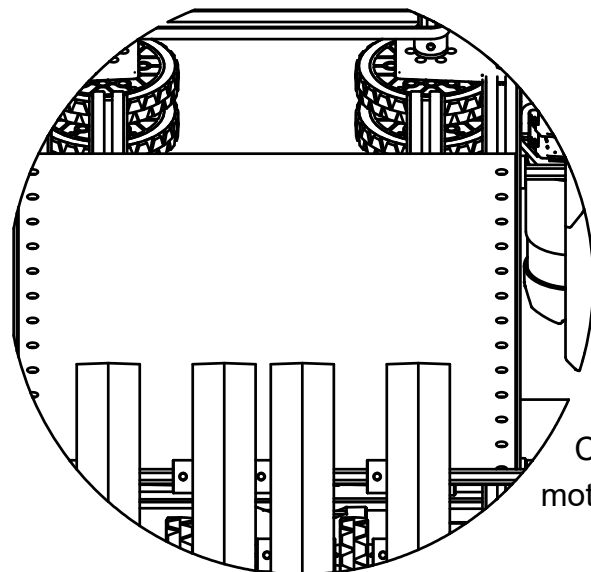
1



Notice inversion of wheels on left versus right sides, account for this in software

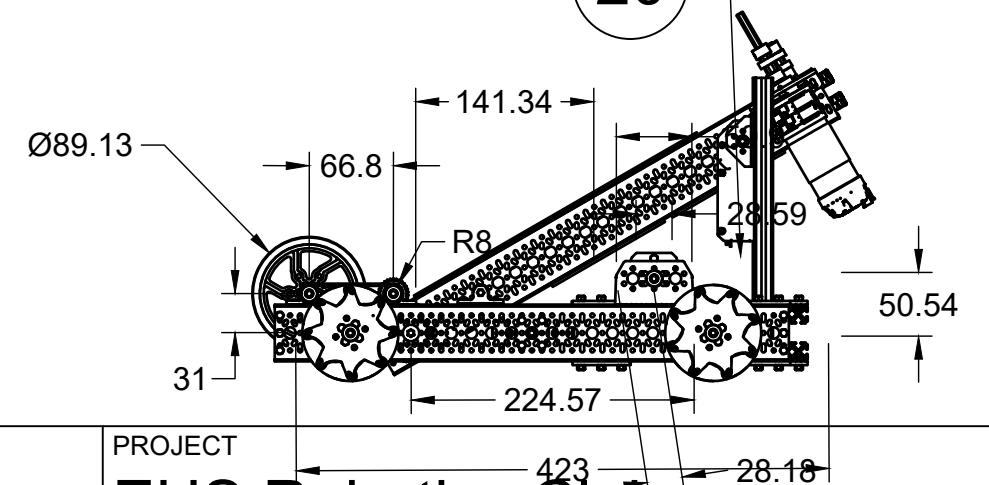


Mecanum Wheels should allow for strafing and in place rotation



**Detail B**  
SCALE 1:3  
5:1 gear ratio  
HDHex UltraPlanetary  
90mm Grip wheels

Connected to motor that is held over the right frontal drive motor via a chain to the initial axel then a pair of gears in a 2:1 gear ratio then by a 1:1 belt and pulley system



		PROJECT <b>EHS Robotics Club</b>			
		TITLE <b>Example Bot</b>			
APPROVED	SIZE	CODE	DWG NO	REV	
CHECKED	B				
DRAWN	Jayden Lee-Sin	8/27/2021	SCALE 1:6	WEIGHT	SHEET 1/2

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	REV-45-1877 V1		STEEL
2	2	REV-41-1623		STEEL
3	1	REV-41-1291		STEEL
4	1	REV-41-1601		STEEL
5	1	REV-41-1607		STEEL
6	1	REV-41-1604		STEEL
7	5	REV-41-1359 SIMPLE		STEEL
8	2	REV-41-1347		STEEL
9	2	REV-41-1716		STEEL
10	1	REV-41-1315		STEEL
11	8	REV-41-1326		STEEL
12	16	REV-41-1329		STEEL
13	4	REV-41-1362		STEEL
14	3	REV-41-1317		STEEL
15	4	REV-41-1267		STEEL
16	28	REV-41-1327		STEEL
17	1	REV-41-1332		STEEL
18	1	REV-41-1335		STEEL
19	2	REV-41-1348		STEEL
20	5	REV-41-1668		STEEL
21	1	FRONTAL ROLLER BELT		STEEL
22	1	REV-41-1762 V1		STEEL
22	1	REV-41-1762 V1		STEEL
22	1	REV-41-1762 V1		STEEL
23	2	REV-41-1687		STEEL
24	4	REV-41-1353		STEEL
25	2	REV-41-1431		STEEL
26	1	REV-41-1433		STEEL
27	1	REV-41-1300		STEEL
28	3	REV-41-1316		STEEL
29	11	REV-41-1323		STEEL
30	1	REV-41-1600 WITH 2 CARTRIDGES		STEEL
31	1	REV-41-1303		STEEL
32	1	REV-41-1350		STEEL
33	1	REV-41-1303 V1(MIRROR)		STEEL
34	1	REV-41-1350 V1(MIRROR)		STEEL