

Safety Checklists! Safety in the Shop and in the Pits!



ROLLING THUNDER ROBOT BUILD SAFETY CHECKLIST

Review the condition of the inspected area per the criteria in the checklist below. Assess each item and answer the question by placing a "✓" in the appropriate column. For any questions answered "no" below, complete a Corrective Action Plan.

Date: _____ Location/Area: _____

Inspector(s): _____

Key: Y = Yes N = No NA = Not applicable

NO	ITEM	Y	N	NA	LOCATION/NOTES
A	<u>HAND & PORTABLE TOOLS</u>				
1	Are powered tools in good condition with no evidence of damage?				
2	Are tools properly stored when not in use?				
3	Are guards and safety devices in place and operational?				
B	<u>CHEMICALS</u>				
1	Are chemical containers properly labeled and in good condition with no sign of damage?				
2	Are MSDSs posted/readily available and team members aware?				
C	<u>ELECTRICAL</u>				
1	Are cords and plugs free of broken insulation, exposed wiring, and provided with grounded connections where applicable?				
2	Are electrical outlets not overloaded? (1 power strip used per outlet)				
3	Is the battery charger situated so there is air circulating around it?				
4	Do batteries not connected to the robot or charger have the battery protector safety plugs on the terminals?				
5	Are the batteries visibly ok, terminals not bent, no cracks in case?				
D	<u>THE SHOP</u>				
1	Are students properly supervised while using equipment?				
2	Have students using equipment been properly trained?				
3	Are guards and safety devices in place and operational?				
4	Is the work area free of slipping and tripping hazards?				
5	Is storage of materials orderly? Are the work surfaces neat and uncluttered?				
E	<u>PERSONAL PROTECTIVE EQUIPMENT (PPE)</u>				
1	Is PPE available for FRC Participants and their visitors?				
2	Is PPE worn by team members where required/posted?				
3	Is PPE properly maintained and stored?				
F	<u>RESPECT OF STORED ENERGY DANGERS</u>				
1	After Competing: Does the team relieve electrical, pneumatic, and miscellaneous energy before moving the robot off the field?				
2	In the Pit: Does the team ensure no one is working on the robot while it is energized?				

Observations (Include Positives!): _____

