

Camdenton FIRST® LASER 3284 Robotics
Safety Contract 2018-2019

As a member of Camdenton **FIRST** LASER team you must be respectful of others and follow safety rules. Since you will be working with power tools, sharp materials, and robots you must be safe! Safety rules must be adhered to secure your and other member's safety.

1. Always wear ANSI approved safety glasses when in the shop, in the pit, working on the robot, or whenever tools are being used. (You may NOT wear colored/tinted safety glasses.)
2. Wear closed-toed shoes at all times when working on/around the robot, in the shop, and in the pit.
3. You must be supervised while utilizing any and all tools. (No matter how simple the task or experienced you are.)
4. Always ask for help whenever you need help. (Lifting heavy equipment, using tools, etc.)
5. Do not use broken or damaged tools and always maintain them good conditions.
6. If you are injured or another team member is injured, get help immediately, tell the coach, mentor, and safety captain.
7. Always use the proper tools for the specific job at hand.
8. Make sure to always wear proper tools for the specific job at hand.
9. Be aware of your surroundings at all times.
10. Make sure you are operating under ideal working conditions. (Do not work on the robot in dim lighting, unorganized areas, etc.)
11. Do not bring beverages or food near the robot, electrical/delicate equipment, and harmful chemicals.
12. Always clean up your workspace when you are finished in order to maintain a safe, clean, working, environment for the next person or group. (Areas may consist of the pit, shop, etc.)
13. Always use good judgement.
14. When traveling stay in a group or use buddy system.
15. Always carry Emergency/Safety meeting information at competitions in your LASER backpack.
16. Always have your coaches, mentors, safety captains, and your bus drivers contact information with you.
17. Before you may use power tools you need to certified by a mentor, so you know how to properly handle the tool.
18. When lifting the robot use proper lifting techniques.
19. When working in the shop/pit always have your hair pulled back if possible to prevent injuries.
20. No loose clothing/jewelry when working in the pit/shop. (When around machinery, power tools, etc.)

Parent Guardian Signature: _____

Student Signature: _____

Date: _____

Pit Power Usage

$$15A \text{ Max} * 120V = 1800W$$

Power Strip w/ 15A Resettable Breaker
[Tripp Lite 16 Outlet Power Strip, 120V, 15A, NEMA 5-15R, 5-15P Plug with 15' Cord, Vertical, Metal, Black, 48" \(PS4816B\)](#)

- Light 1 – (2 LED Lights @ 40W each)
- Light 2 – (2 LED Lights @ 40W each)
- TV 1 – 108 W
- TV 2 – 108 W

Total Watts

- 80 LED lights
- 80 LED lights
- 108 TV
- 108 TV
- 600 Battery Charger (max)
- 600 Battery Charger (max)
- 1576 Watts



- Battery Charger 1 - 600W max
- Battery Charger 2 - 600W max

15 Amp Resettable Breaker



Plug from Power Strip



Power cord supplied to pit



LASER 3284 Purchased GFI
For added protection
[TRC 90265-6-012](#)
[Shockshield Yellow](#)
[Portable GFCI Plug with](#)
[Surge Protection](#)

