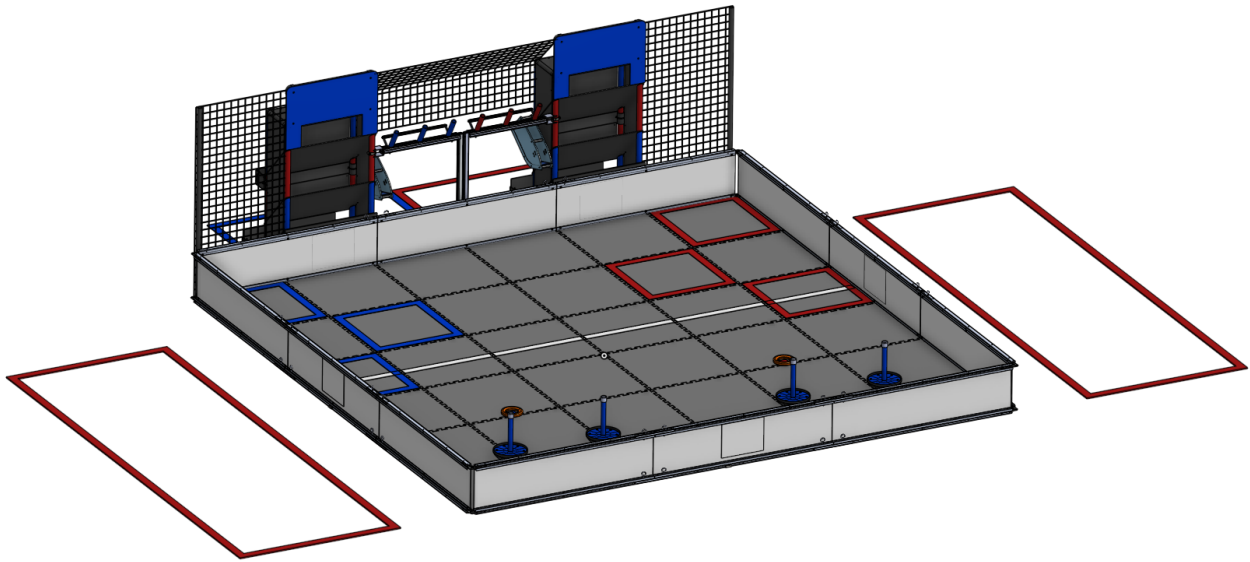


*CRI 2021 Rules*  
*For ULTIMATE GOAL<sup>SM</sup>*

The following rules are in addition or modification to the most recent version of the *FIRST* Tech Challenge 2021 Game, ULTIMATE GOAL<sup>SM</sup> presented by Qualcomm®, and its listed Game Manuals 1 and 2 for traditional events. Refer back to Game Manuals 1 and 2 for rules not explicitly listed here.

## Chicago Robotics Invitational 2021 Field Diagram



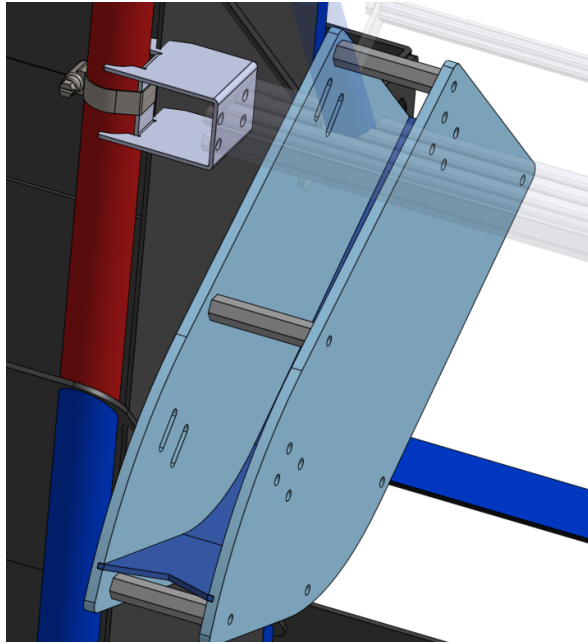
[Link to CAD Diagram \(OnShape\)](#)

Welcome to the Chicago Robotics Invitational for 2021! We're so excited to have everybody back in person for another great event this year. You'll notice this manual is a lot lighter than previous years' - due to the fact a majority of our attending teams haven't played a traditional event this season, we're choosing to make the changes we're making relatively light. The few changes you'll notice below are either for making the teams' lives easier or safer. Pay special attention to the COVID-19 Guidelines section, as breaking those rules can have tournament implications. We hope everybody has a great event, and we're looking forward to seeing everyone in Chicago!

## Field Updates and Changes

Unlike previous years, we are modifying relatively little of the game this year due to the lack of competition experience most teams have. Like previous years' CRI, the vision targets will not be present on the sides of the field.

### Return Rack



The new return rack has been completely redesigned. The outside plates are made of  $\frac{1}{4}$ " thick Polycarbonate plates, attached with zip ties to the *Tower*. The bottom plate is made of bent  $\frac{1}{8}$ " polycarbonate. AndyMark  $\frac{1}{2}$ " Churro is used to separate the two plates, with a 2" length. There is a triangular slot at the bottom of the ramp to allow *Rings* to enter the field more randomly.

## COVID-19 Guidelines

While Illinois has officially opened up into Phase 5, we are still taking COVID-19 very seriously as an event. While these guidelines may be relaxed before the event, we're still taking the safety of our participants as our first priority. As such, we are requiring the following of all students, mentors and volunteers:

- Masks are required to be worn properly at all times, covering both your mouth and nose.
  - Teams must leave the Francis W. Parker campus to eat meals or do any other activities which require removing masks.
  - Warnings will be issued on a per-team basis by event volunteers, recorded by event staff. Repeated or egregious instances of improper mask or other violations of

COVID-19 policy may escalate to *Yellow* and/or *Red Cards* or *Tournament Disqualification* as per C01 and/or G30.

- The flow of people throughout the building will be very carefully created and marked out. A more specific traffic map will be published closer to the event detailing this. It is expected that all participants will adhere to this traffic flow.
- Only student drive team members (not just student team members) can come to the question box.
- The drive team, up to four members per team, must remain the same throughout the event. Roles within the drive team may change. Requests for changes to the drive team members can be handled by current drive team members going to the question box and explaining their exceptional situation (e.g., medical incident, death, dismemberment, panic attack, etc.) that would require switching drive team members.
  - This modifies C06 and G11
- Your team members may watch matches in the stands of the main competition area only when your team's drive team is in the gym. Teams should not be in the gym when their team is not either up to play or in queue. During finals, the auditorium will be open for teams to watch a stream of the event such that teams not selected for elimination rounds may still be involved with the event.
  - The auditorium is open for opening ceremonies, closing ceremonies, alliance selection, and semifinal and finals rounds, with no food or drinks allowed at any time. Masks are still required at all times in the auditorium and teams should space out between each other to the best of their ability.
  - The only exception to this rule is for scouting. Each team may have 1 team member assigned to scouting who is allowed to stay in the stands of the main competition area throughout the day, regardless of if their team is playing in a match at that time. Teams will be given a scouting pin and the team member assigned to scouting will be required to wear this while in the stands of the competition area.
- As a part of both the initial registration and the follow up to your admittance to the event, we will ask for the number of people on your team who have received a COVID-19 vaccine. Incorrectly reporting this number of either students or mentors will be grounds for immediate disqualification from the event.
  - If you are not vaccinated, it is fully expected that you get a negative COVID-19 test within 72 of the start of the event.
- If you or any part of your team has a positive COVID-19 test within 10 days of the event, you must contact the event organizers as soon as possible.

## Rules and Penalties

### Robot Rules

*Robot* inspection will not take place, though all *Robot* rules outlined in GM1 and GM2 must be followed. If referees believe that a *Robot* does not comply with all building rules, a referee or inspector will complete a full inspection of the *Robot* in question.

**Head Ref Tip: This includes RG08!**