would introduce several complications:

a. Additional PC boards would be required to accommodate the tiled motors.

b. fixing the tilted motors would occupy the middle section of the C-channel, compromising its strength and causing the chassis to bend under the intense competition conditions.

Solution 3 Stack the middler motor on top of the first motor to enhance the stability of the C-level elevation. However, this approach has clear drawbacks.

a. It will shift the center of gravity forward, making it impossible to achive C-level elevation.

b. The forward center of gravity would affect the success rate of the side elevation. As the inertia could cause the front wheels to touch the ground.

In summary, we have to decided to stick the first solution, making no changes to the chassis.

Additionally, we try to change the screws to nylon screws to reduce the weight. However, it need repeatedly using a lighter to secure the screws and nuts, which can be too cumbersome. Besides, the center of grarity would be raised, increasing the likelihood of Robot tipping over.

ject V7. chassis designed by: Joker witnessed by: Kevin

date: 1.3