

TEAM NUMBER: _____

INSPECTOR: _____

INITIALS (after passing): _____

DATE (after passing): ____/____/____

Initial Inspection

___ **Weight** <= 15lbs <R91> _____ pounds

___ **Size** - Fits within a 12” x 12” x 12” rectangular volume. May not exceed this volume at any time during match. Check all configurations. <R91>

Mechanical

___ **Minibot Mechanisms** – All mechanisms that can be mounted on minibot during match play must be present at the time of inspection. <R95>

___ **No hazardous materials** – Check for leaking battery, noxious fumes, or lasers. <R02>

___ **Mechanical Safety Check** – Check for sharp edges, pinch points and projections. <R04>

___ **No Unsafe Energy Storage** - carefully consider safety of any polycarbonate springs or surgical tubing used. <R01.D>

___ **Decorations** - Cannot interfere with other robots’ electronics and sensors and must be in spirit of “Gracious Professionalism”. <R2.A & C, R15>

___ **TETRIX Components** – Only TETRIX components not in violation of other rules, and listed on **Approved TETRIX Parts** list www.usfirst.org/frc/competitionmanual <R92.A>

___ **Minibot Retrieval** – Minibot must be designed such that it can easily be removed from tower. <R94>

___ **Materials** – No materials other than those permitted. <R92>

Electrical

___ **Components** – Repaired with identical components only. <R55.M, R93.B>

___ **Motors** – Modifications only to mounting brackets and output shafts to facilitate physical connection. Electrical leads may be trimmed, . May use TETRIX thermal protection wire set.<R47>

___ **Motors/Servos** - no more than two motors (PN W739083/W739023) and an unlimited number of TETRIX servos.<R92.B>

___ **Battery** – no more than one 12V rechargeable NiMH battery pack identical to those supplied in the FTC kit of parts (PN W739057) except the 20A fuse may be replaced with an equivalent type of lower amperage <R92.C>

___ **Motor Controllers** - No more than one HiTechnic DC motor controller. <R92.D>

___ **NXT Controller** - No more than one NXT controller. <R92.E>

___ **NXT Controller** - Bluetooth functionality disabled. <R92.E>

___ **Limit Switches and Light Switches** – Any number of limit switches, no more than two common household light switches. Light switches may have handle and mounting brackets modified.<R92.M, R92.N>

___ **Sensors** – NXT Compatible sensors and related connectors/cables <R92.BB>

Team Compliance Statement

We, the Team Mentor and Team Captain, attest by our signing below, that our team’s minibot was built after the 2011 Kickoff on January 8, 2011 and in accordance with all of the 2011 FRC rules, including all Fabrication Schedule rules. We have conducted our own inspection and determined that our robot satisfies all of the 2011 FRC rules for minibot design.

Team Captain: _____

Team Mentor: _____