

Day 1 Alabama State Contest

Thank you for responding to our call for help. Something has happened in the mine and we cannot contact the 3 missing miners. The tracking system indicates that they are still on the section.

The exhaust fan is running. Samples are being taken every 20 minutes at the fan. The last one indicated there was 10 PPM CO, 0.1% CH₄, and 20.1% O₂. The fan must remain running to ventilate the rest of the mine.

The rest of the mine has been explored and is safe to ventilate through. This section was driving towards an old abandoned mine. The plans were to connect the right entries to the old works for future ventilation. They had just recently completed the raise bore shaft in the 4th crosscut in the #2 entry. The map is not up to date.

The proper authorities have been notified. Medical personnel are on the scene. A back up team is available.

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Problem

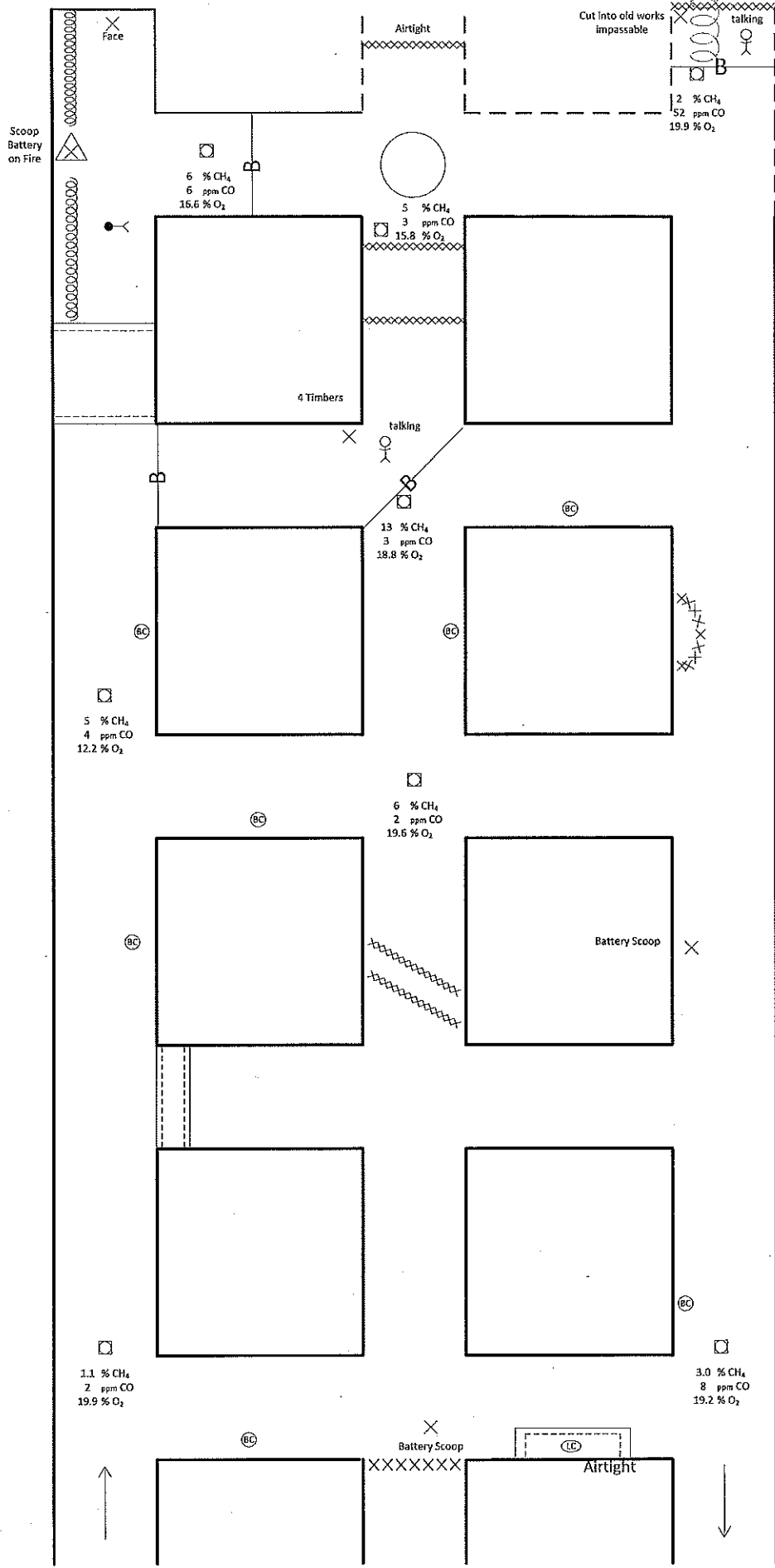
Find the missing miners and bring any survivors to the fresh air base.

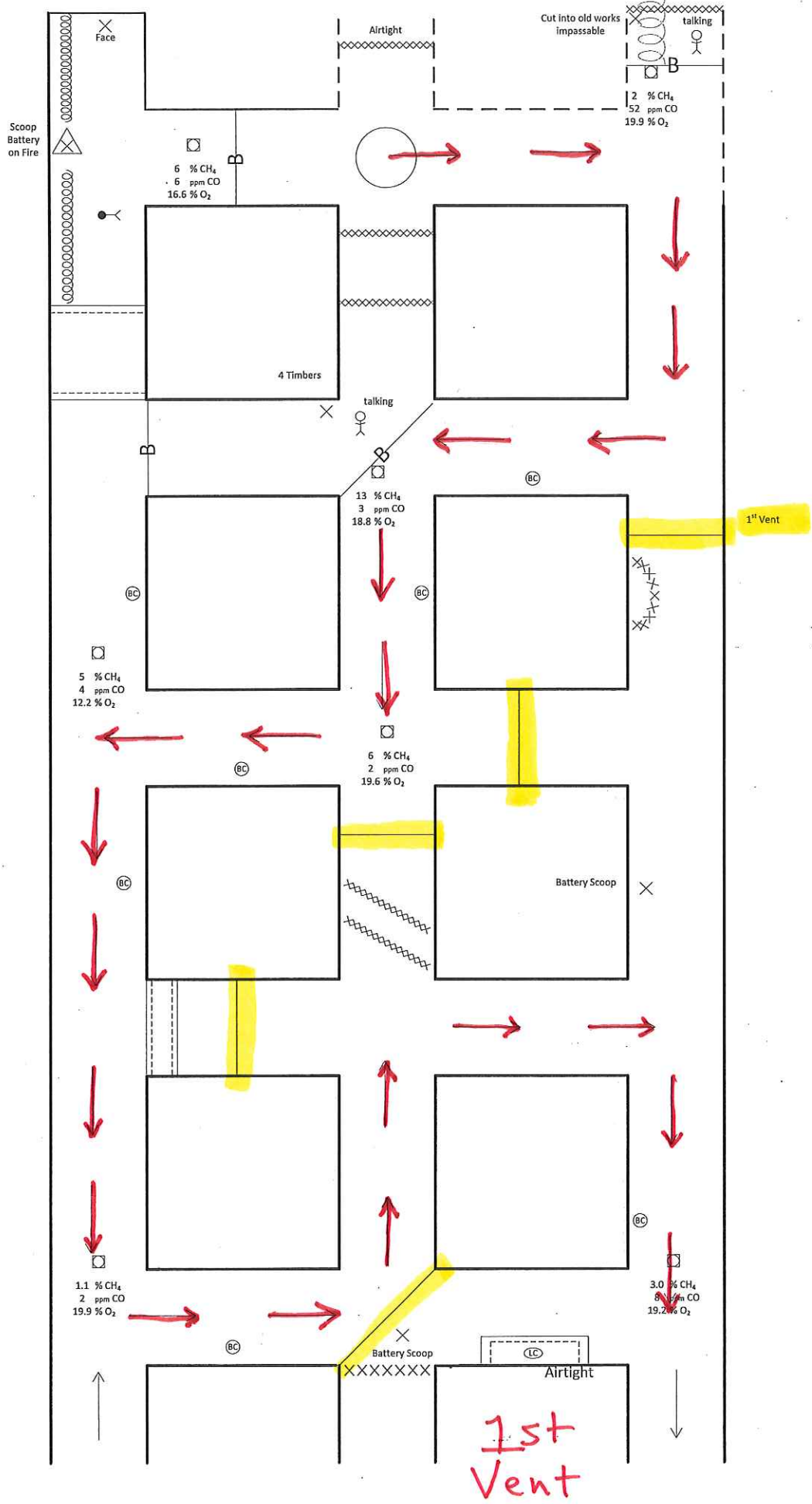
The fan cannot be stopped, stalled, or reversed.

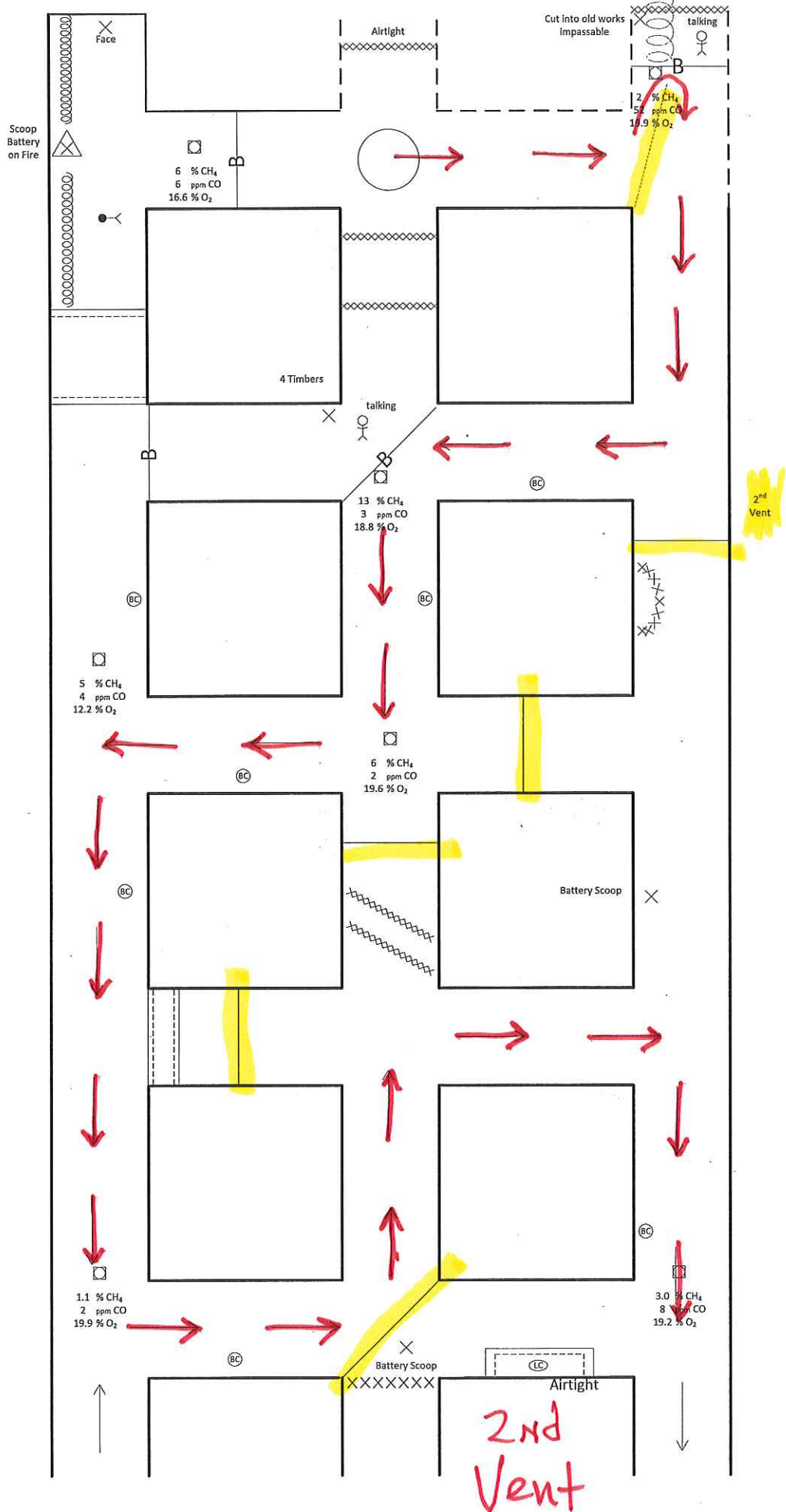
There is a cap on the raise bore shaft. It can be removed for ventilation if needed. Once removed it cannot be replaced.

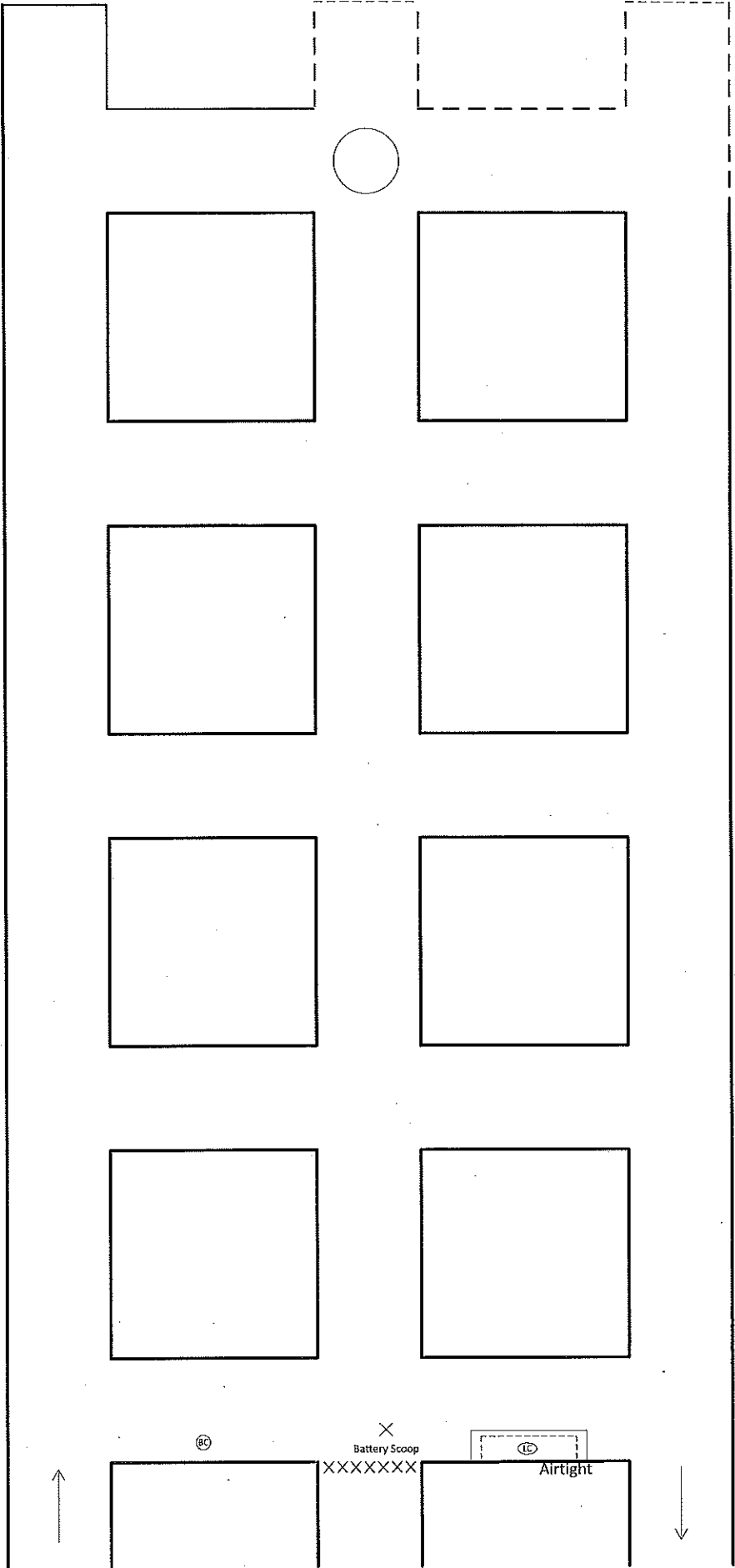
The back up team may be used barefaced in the Fresh Air base.

You have 75 minutes to work the problem.

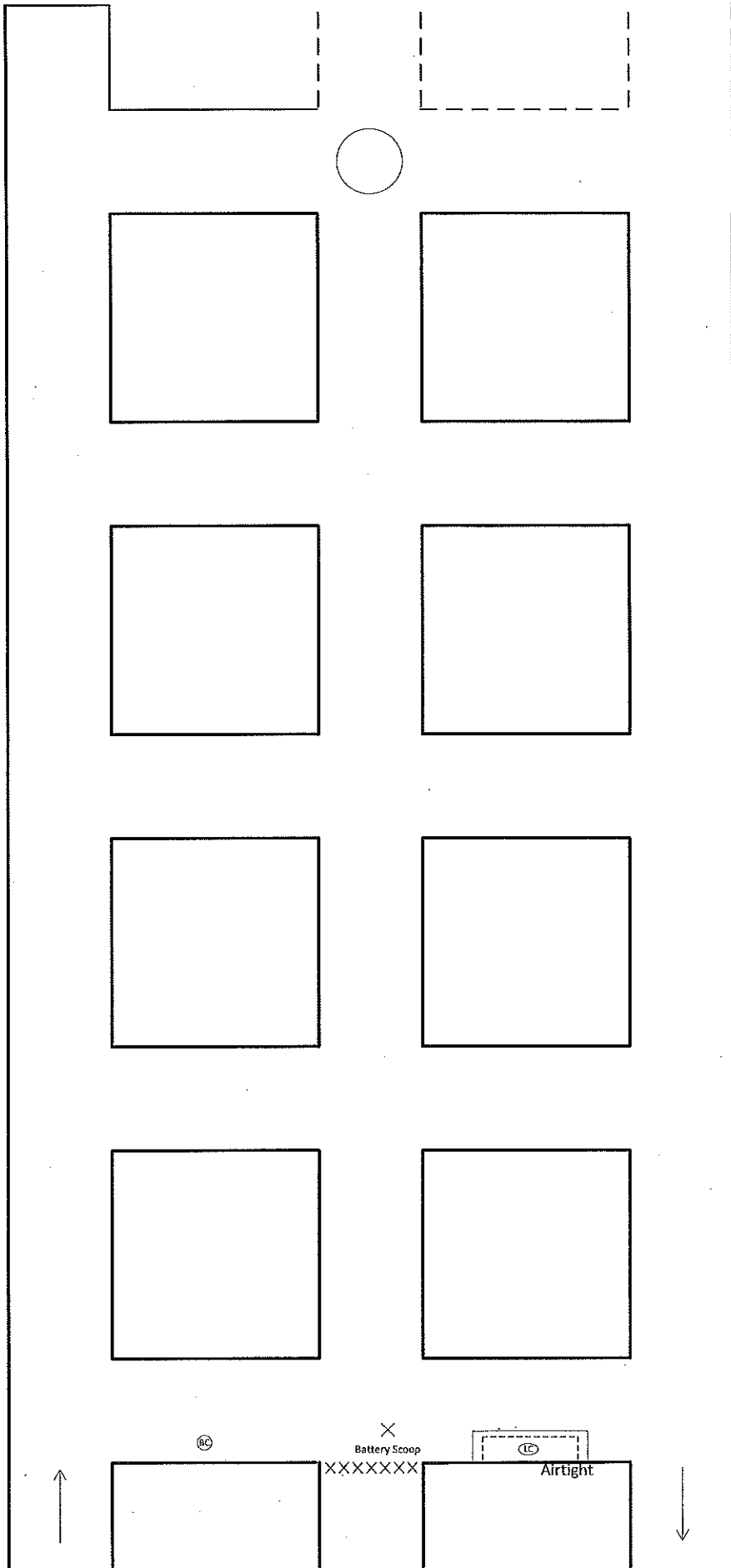








Team Map



BO Map