

2019  
SOUTHERN WEST VIRGINIA MINE RESCUE  
ASSOCIATION'S  
62<sup>nd</sup> ANNUAL  
MINE RESCUE, FIRST AID, BENCH & PRESHIFT  
CONTEST  
AUGUST 27<sup>TH</sup>  
MINE RESCUE PROBLEM DAY 1



## 2019 Southern West Virginia

### Day #1 Statement

Thank you for coming to our call for help. You are located at the underground fresh-air base of the Academy #1 Mine. We had two employees working on the 1 Right section when we experienced an event that caused the mine fan to stop. All communication was lost to the section. Attempts to travel to the section have failed. Communication could not be re-established. Mine rescue teams were called, and you are the second team in. The team before you established this fresh-air base and is now acting as backup. The 1 Right section is ventilated by the main mine exhaust fan. This fan is off but can be started if needed. Once started air will travel up the #1 entry and out both #2 and #3 entries. There is also an intake air shaft located in by the first crosscut in the #2 entry (will be shown on the maps). This mine has a history of methane, water and bad roof conditions. Our maps were updated 24 hours ago and according to our projections we are not mining near any old works.

All state and federal agencies have been notified and are on site.

This is all the information I have at this time.

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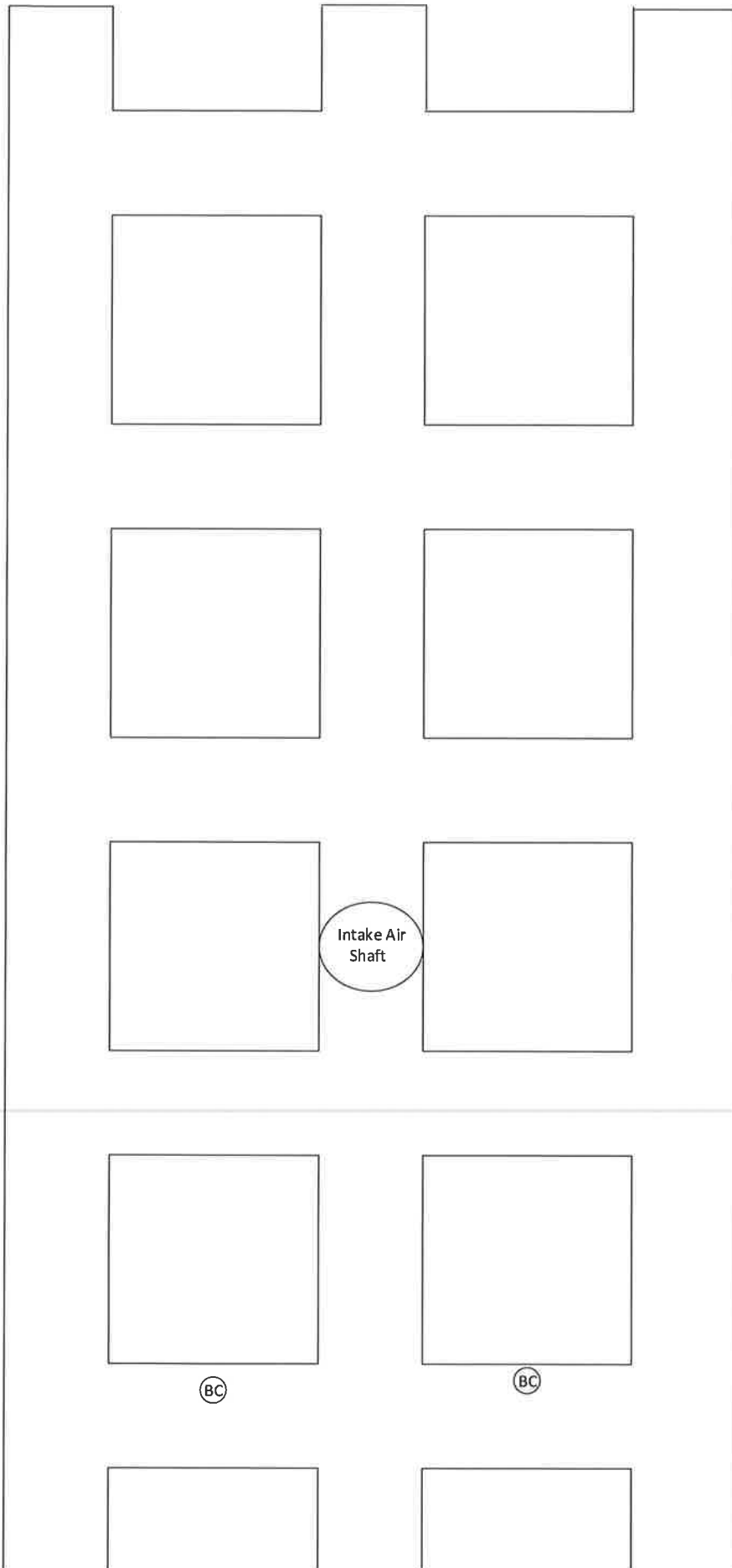
# 2019 Southern WV Contest

## Written Instructions

- Explore the entire mine that can be done safely
  - Once started the fan cannot be stopped, stalled or reversed
-

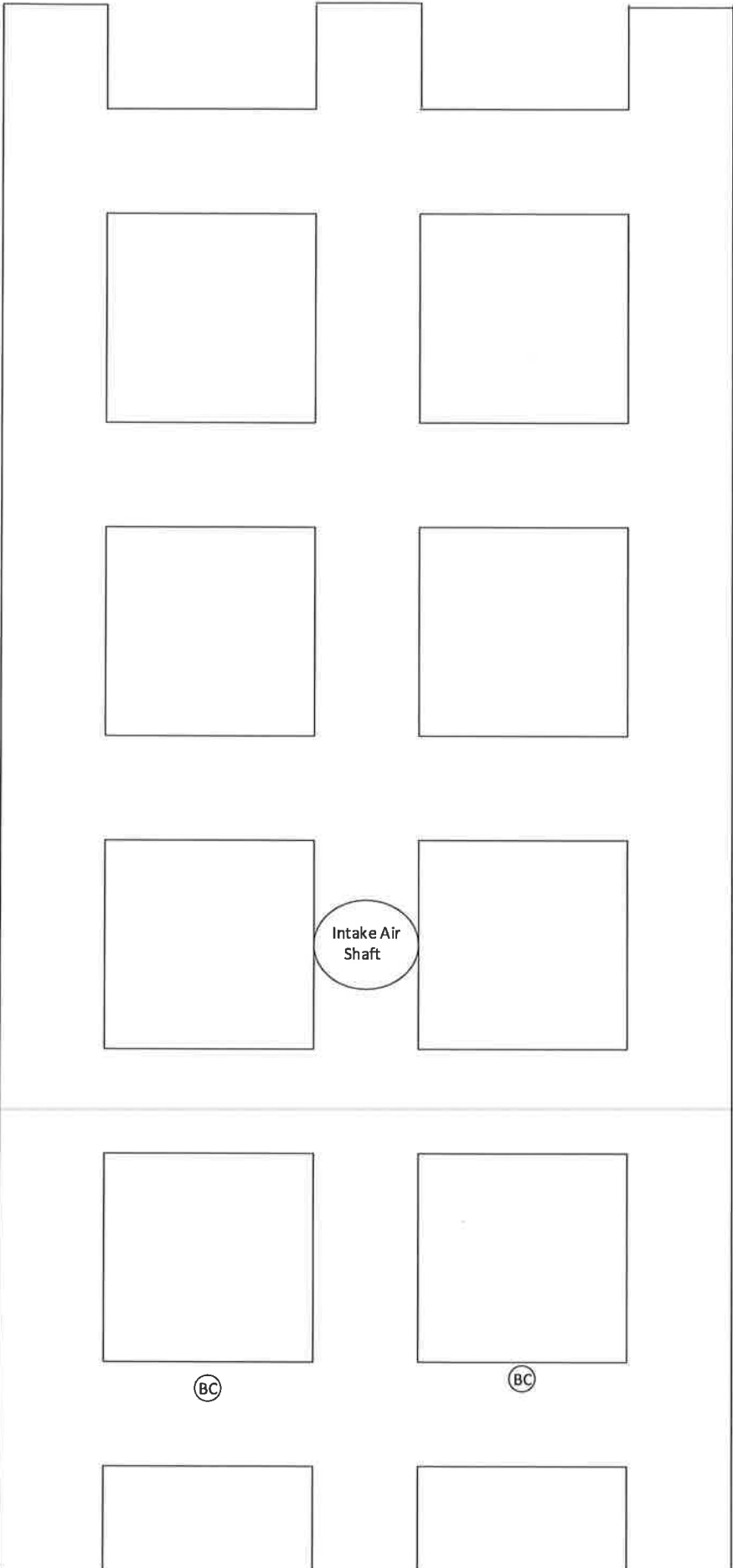
Team Name \_\_\_\_\_

### TEAM MAP



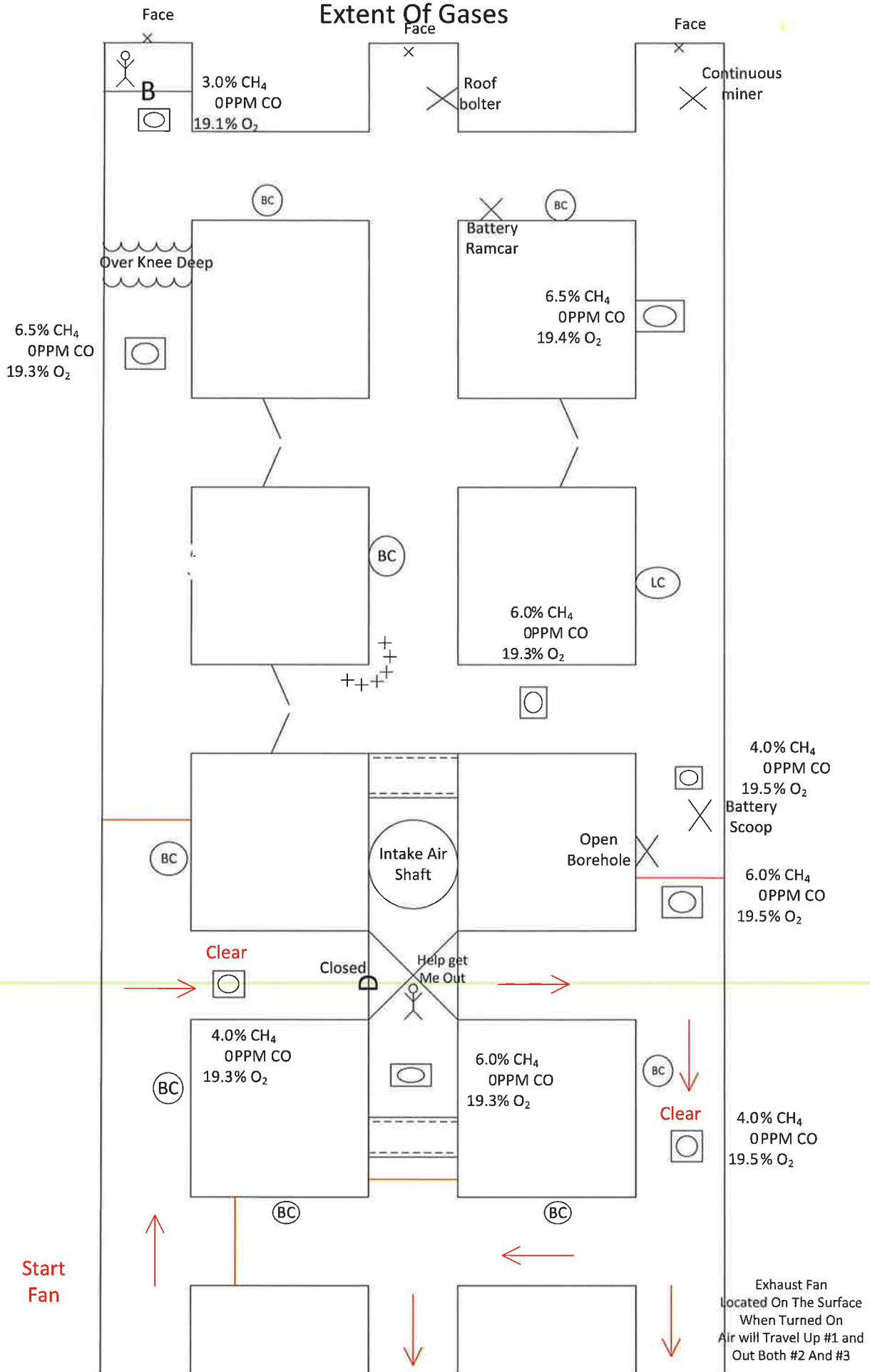
Team Name \_\_\_\_\_

BO MAP





# Extent Of Gases

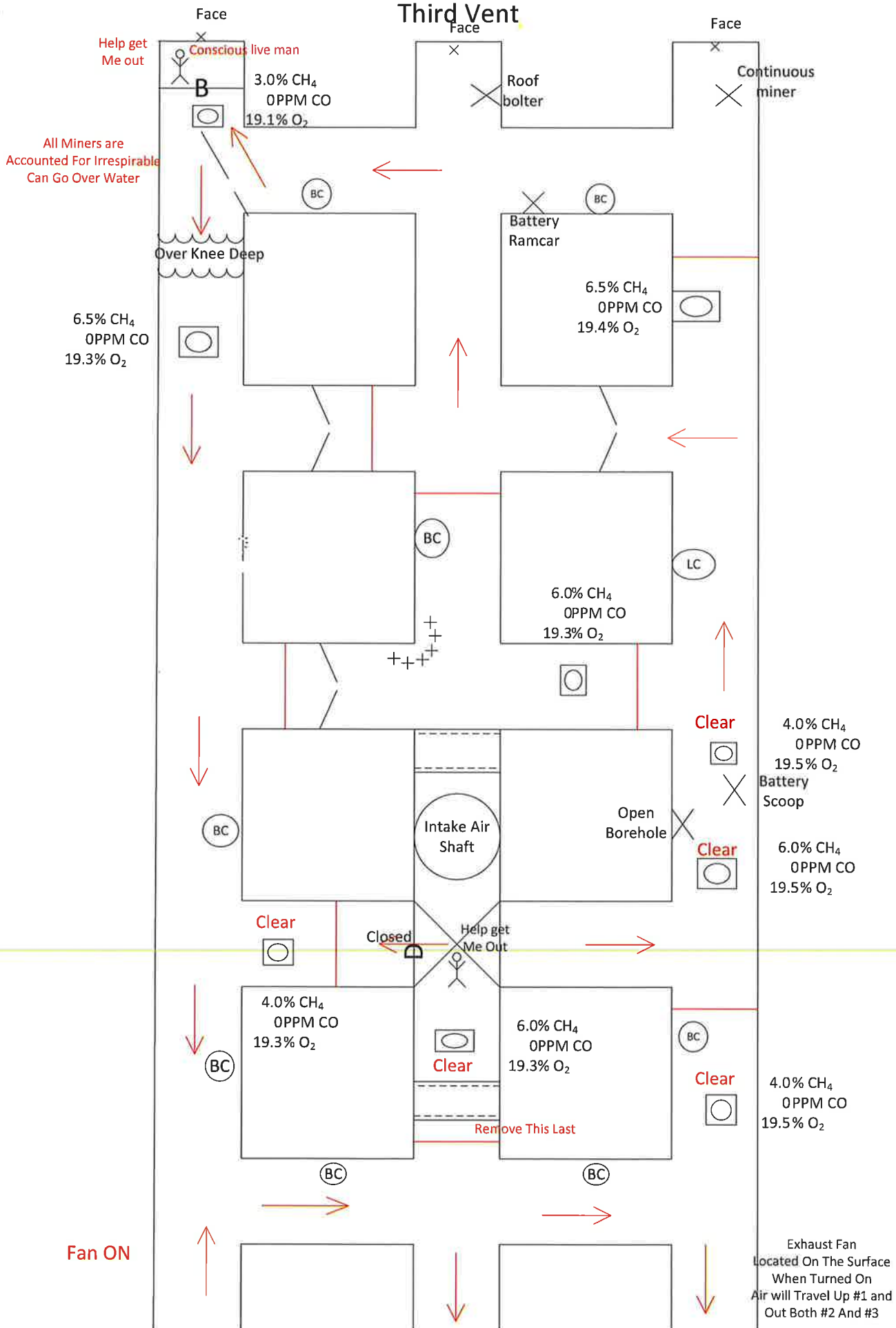






Southern WV Day #1

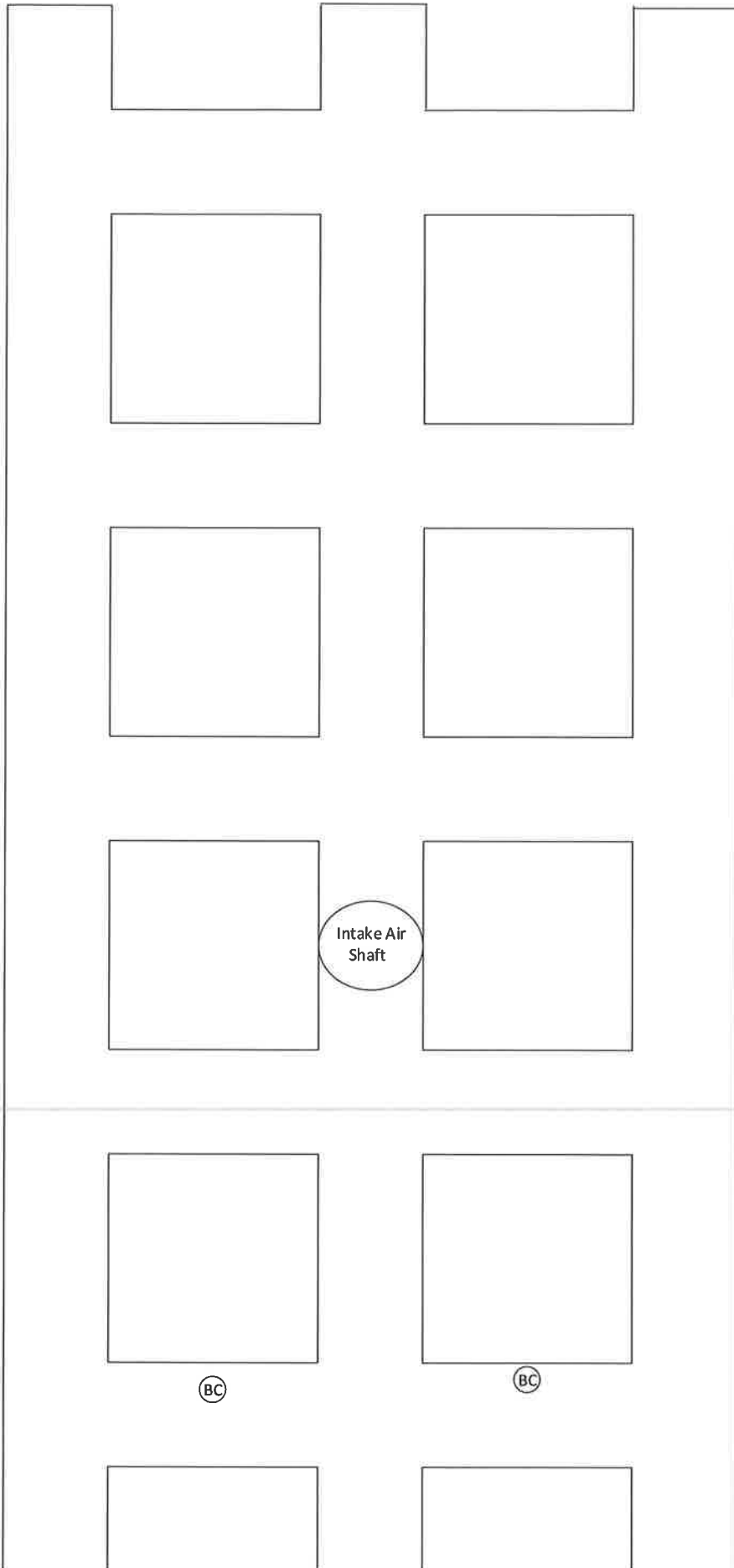
Third Vent





Team Name \_\_\_\_\_

FINAL VENT MAP



Intake Air Shaft

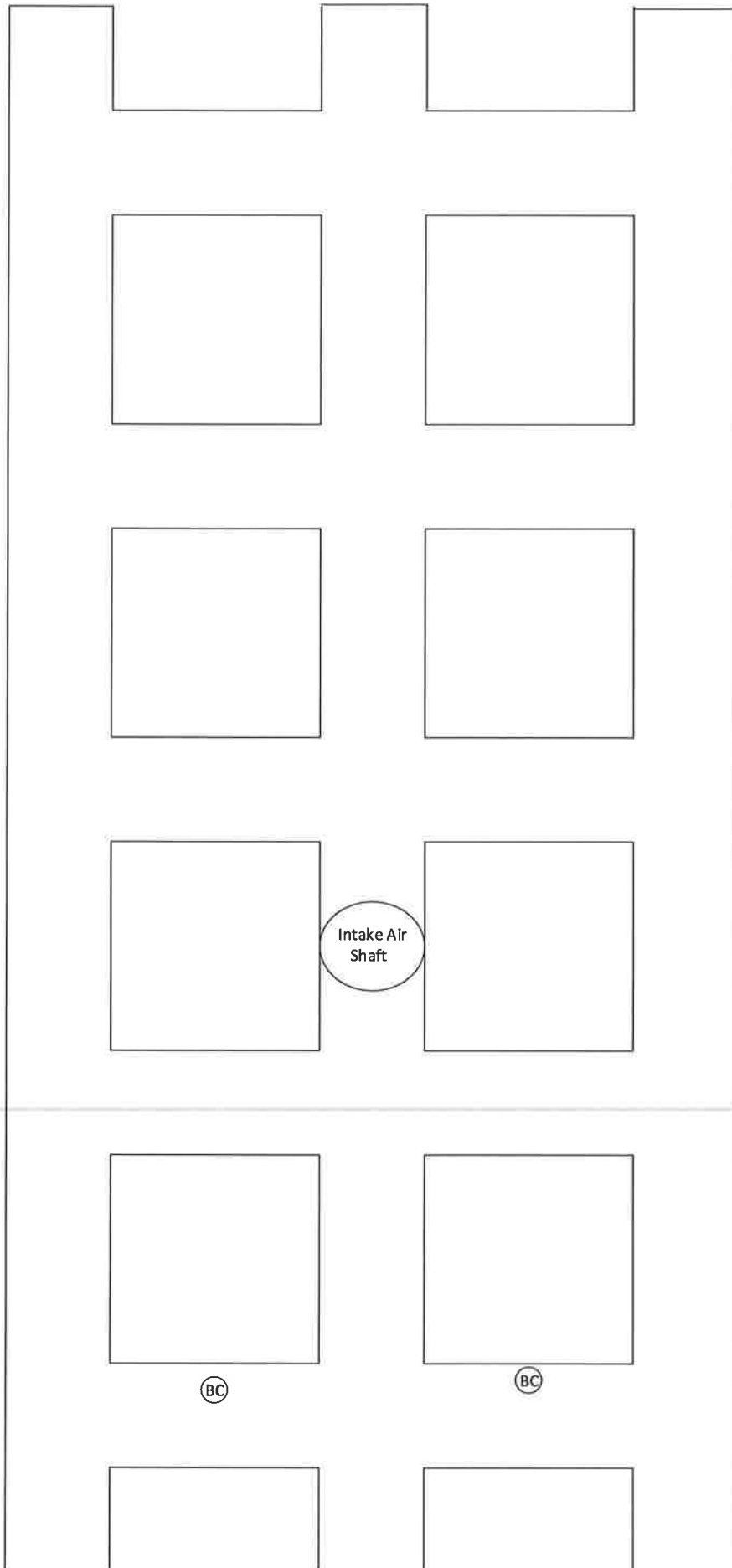
BC

BC

FAN  
On  
Off

Team Name \_\_\_\_\_

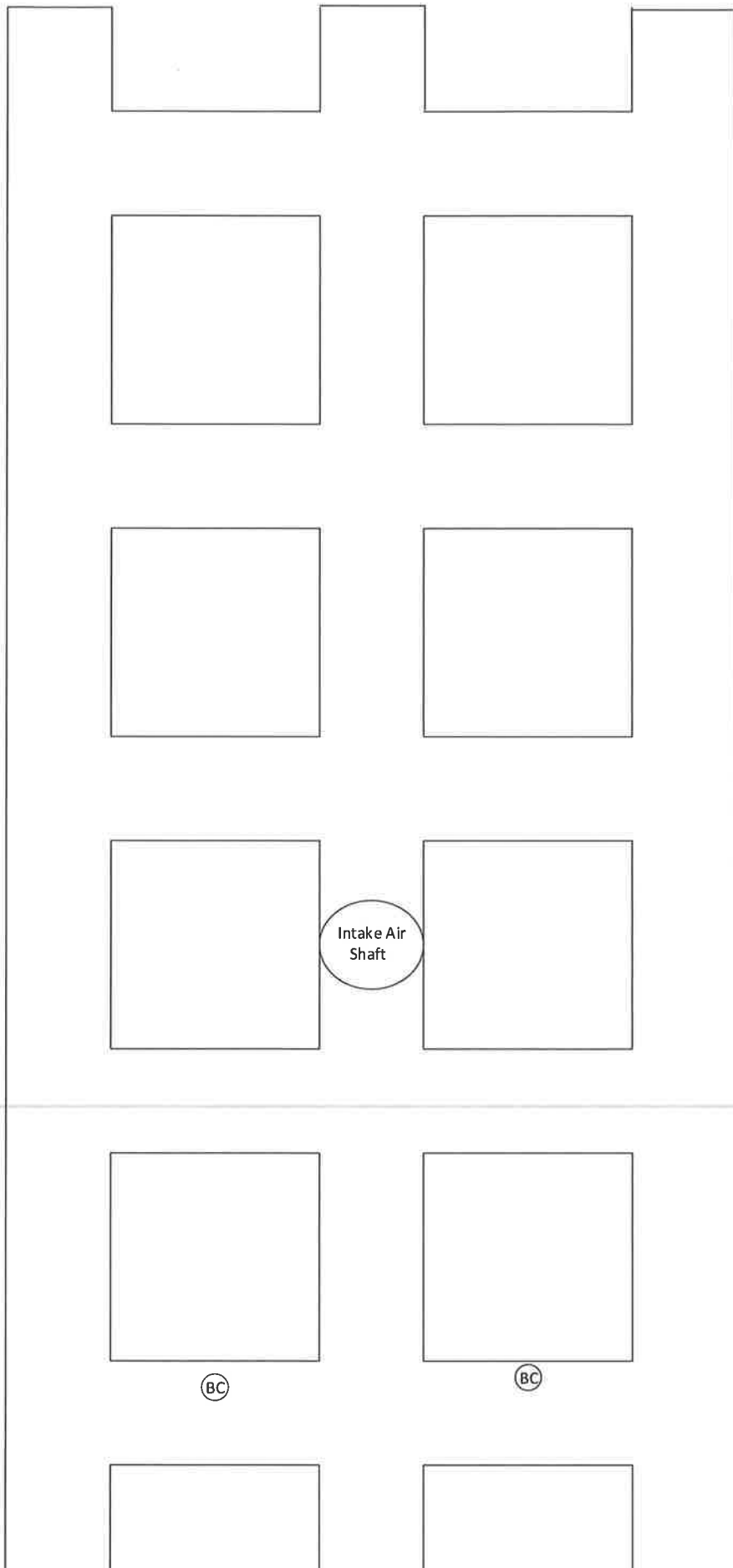
# DISCOUNT MAP



FAN  
On  
Off

Team Name \_\_\_\_\_

# DISCOUNT MAP



FAN  
On  
Off