



39<sup>th</sup> Annual

**Alabama Coal Association**

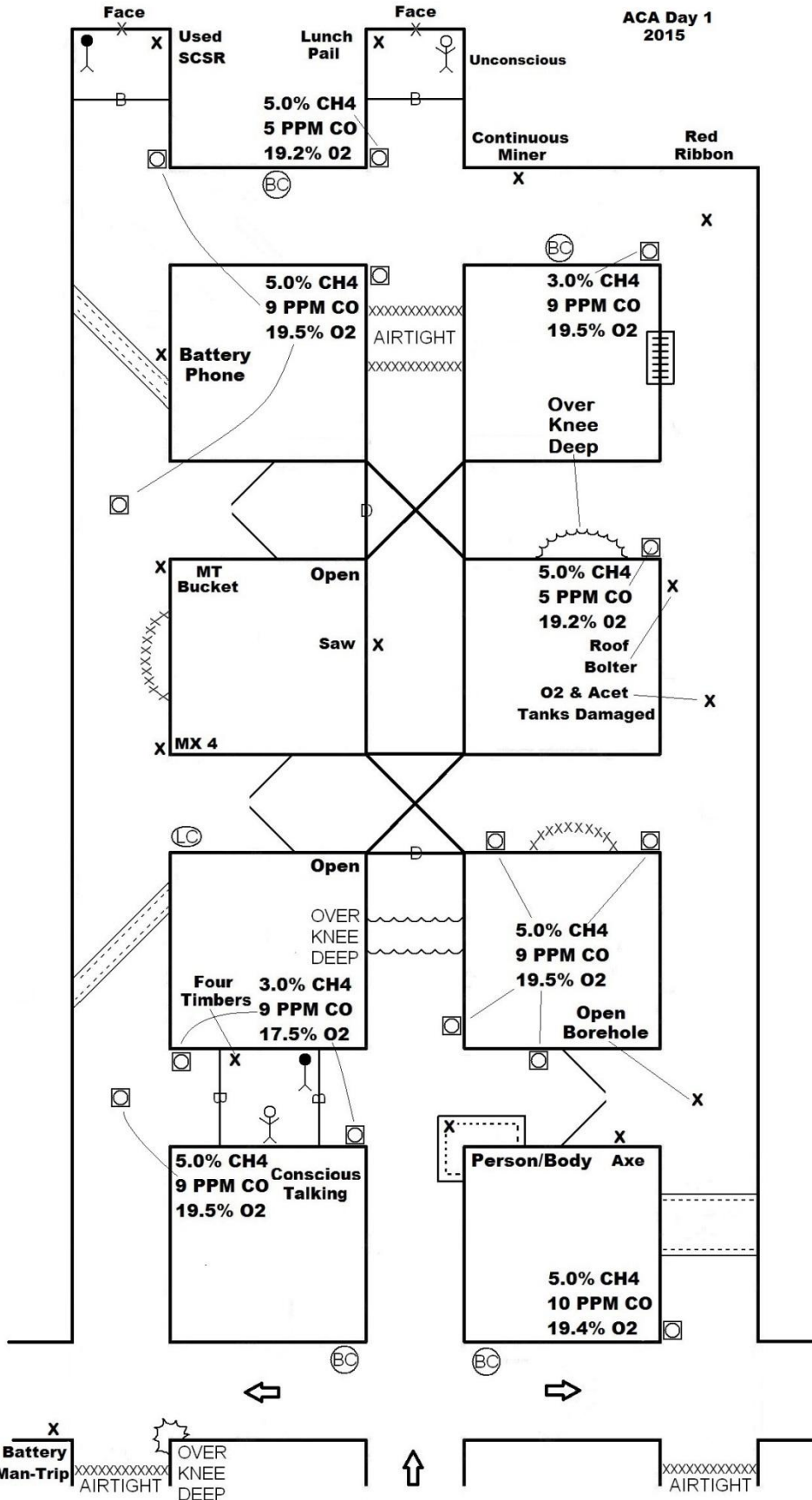


2015 Day 1 Judges Book



**Beville State Community College**

ACA Day 1  
2015



**2015 ACA  
DAY 1 PROBLEM**

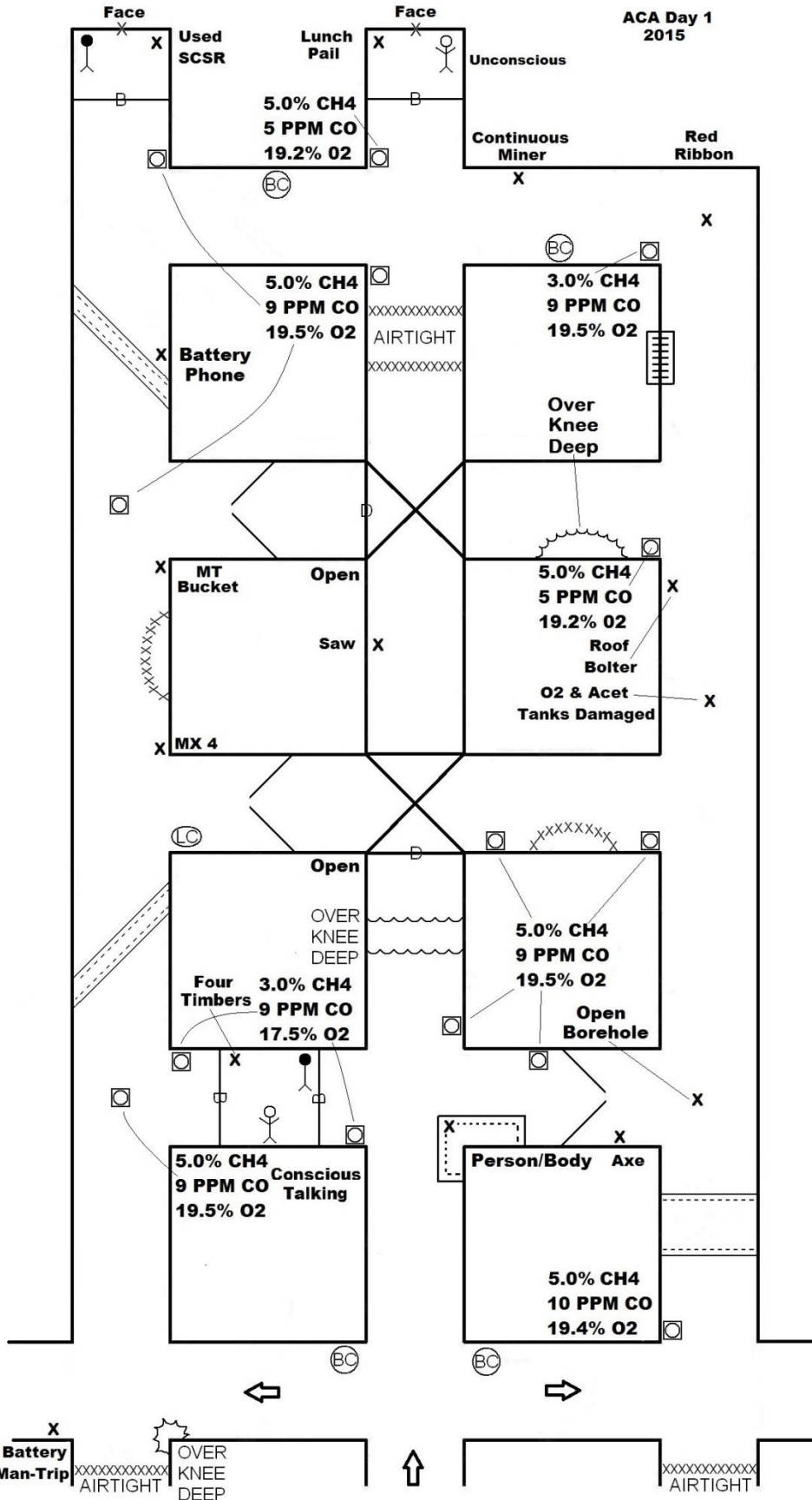
**GENTLEMEN, WE THANK YOU FOR ANSWERING OUR CALL  
FOR HELP.....**

**Five people were working on ventilation controls on the no.1 unit early this morning when the main power knocked outside. The outside dispatcher called underground and could not get anyone by phone or radio. The tracking system shows all five miners were still on the section when the power went off. The RP went underground and found unsafe roof, methane and low O2 at the mouth of the unit and decided not to go any further inby. A fresh air base was established just outby those conditions. We have had major problems with methane over the last few weeks and fear that methane may have built up on the unit while these men were working. Airflow at the fresh air base is coming up the number 2 entry and splitting and going toward the number 1 and number 3 entries.**

**All authorities have been notified and are here on site. A backup team is present and ready. Your team will be exploring the final area to be explored in search of our missing miners. The mining maps are up to date and will be given to you when you start the clock.**

**Please be careful during your exploration .....**

ACA Day 1  
2015

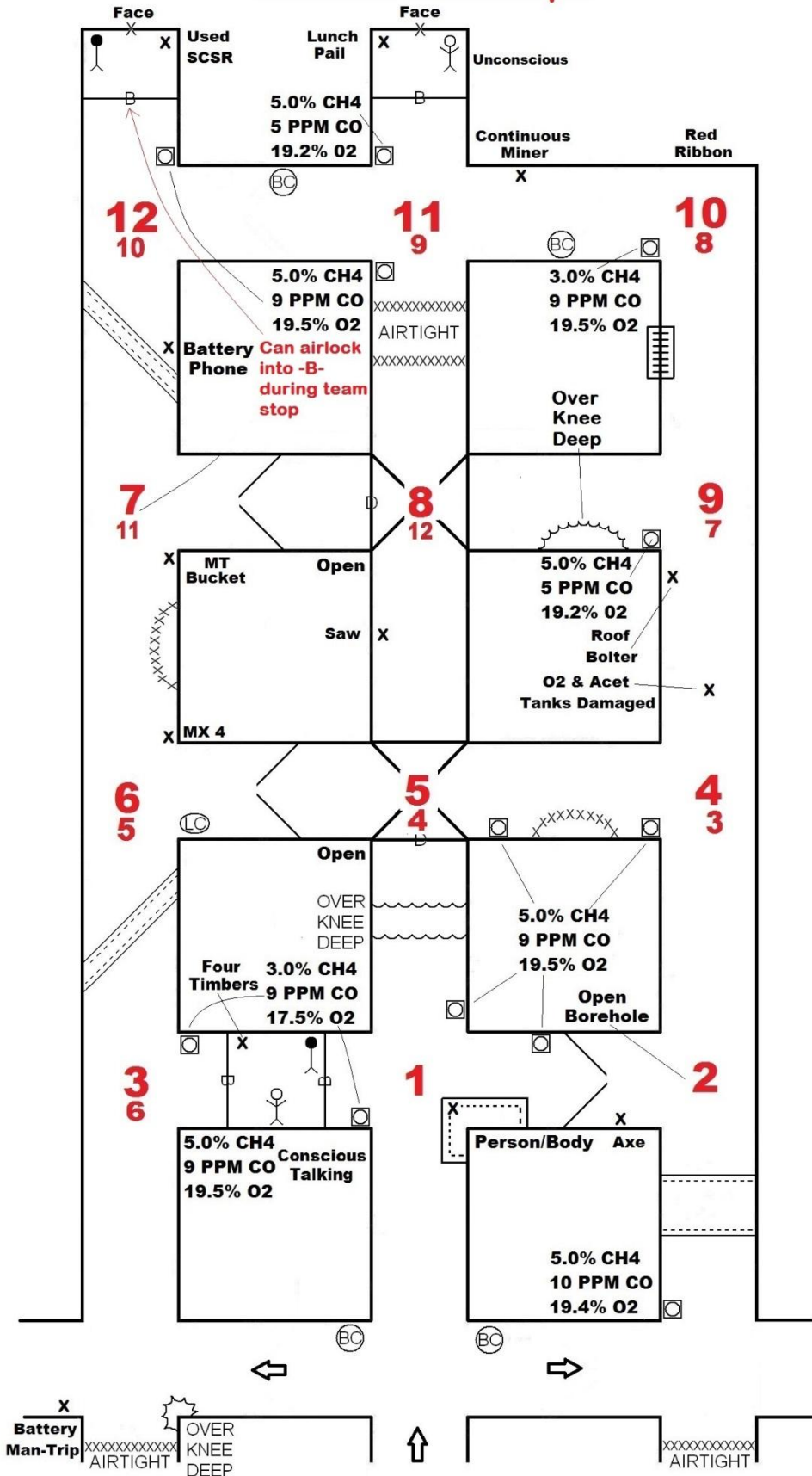


# **WRITTEN INSTRUCTIONS**

## **2015 ACA Day 1**

- **ACCOUNT FOR ALL FIVE MISSING MINERS**
- **BRING ALL SURVIVORS TO THE FRESH AIR BASE**
- **THE EXHAUST FAN CANNOT BE STOPPED, STALLED OR REVERSED**
- **BACKUP TEAM CAN ERECT OR TEAR DOWN STOPPINGS THAT HAVE BEEN STARTED OR BUILT BY YOUR TEAM IN THE FRESH AIR BASE ONLY BY ASKING THE SUPERINTENDENT**
- **YOUR TEAM WILL HAVE 90 MIN. TO COMPLETE THE PROBLEM**

# Possible Team Stops

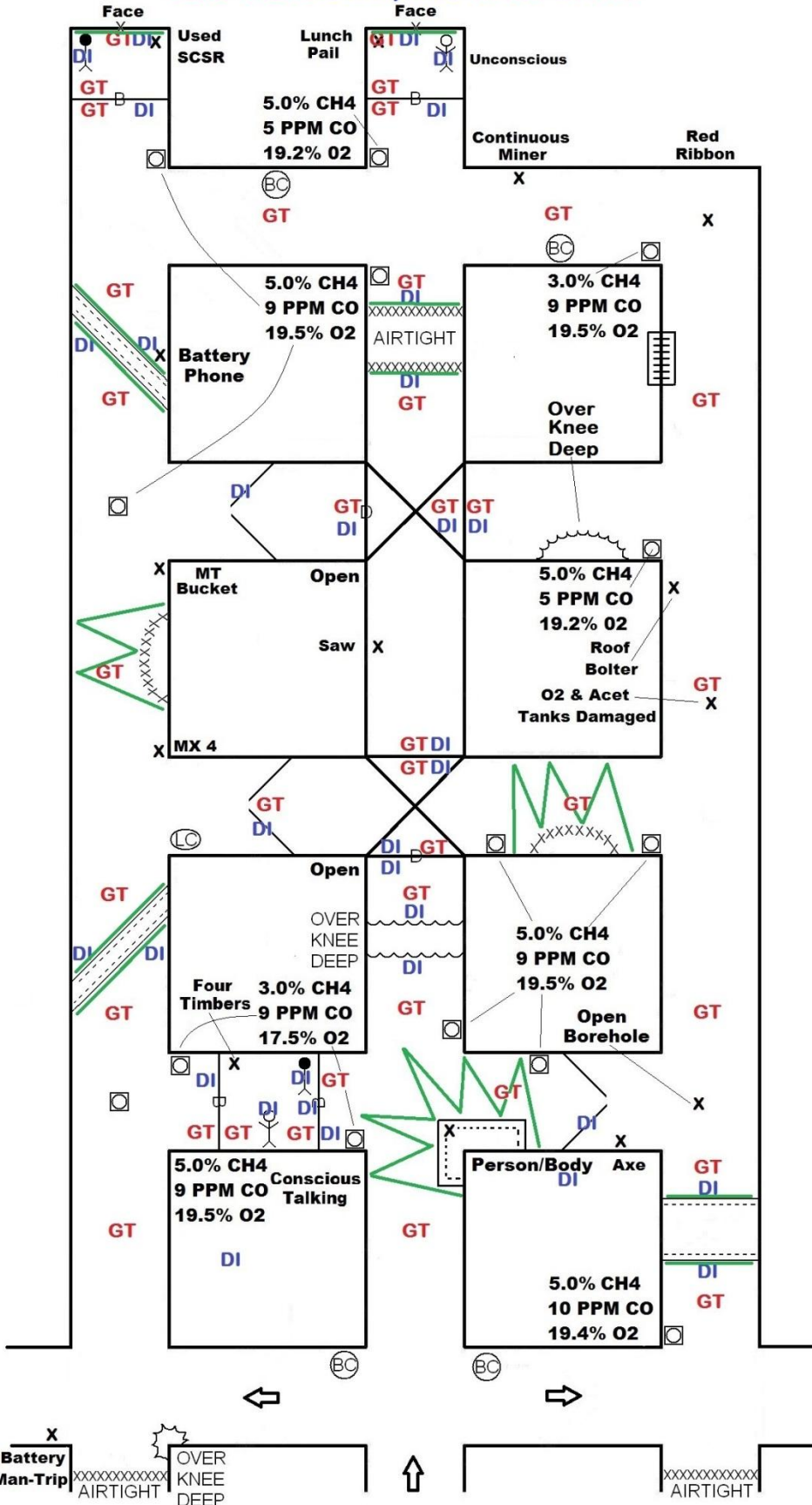


# **Conscious Miner Statement**

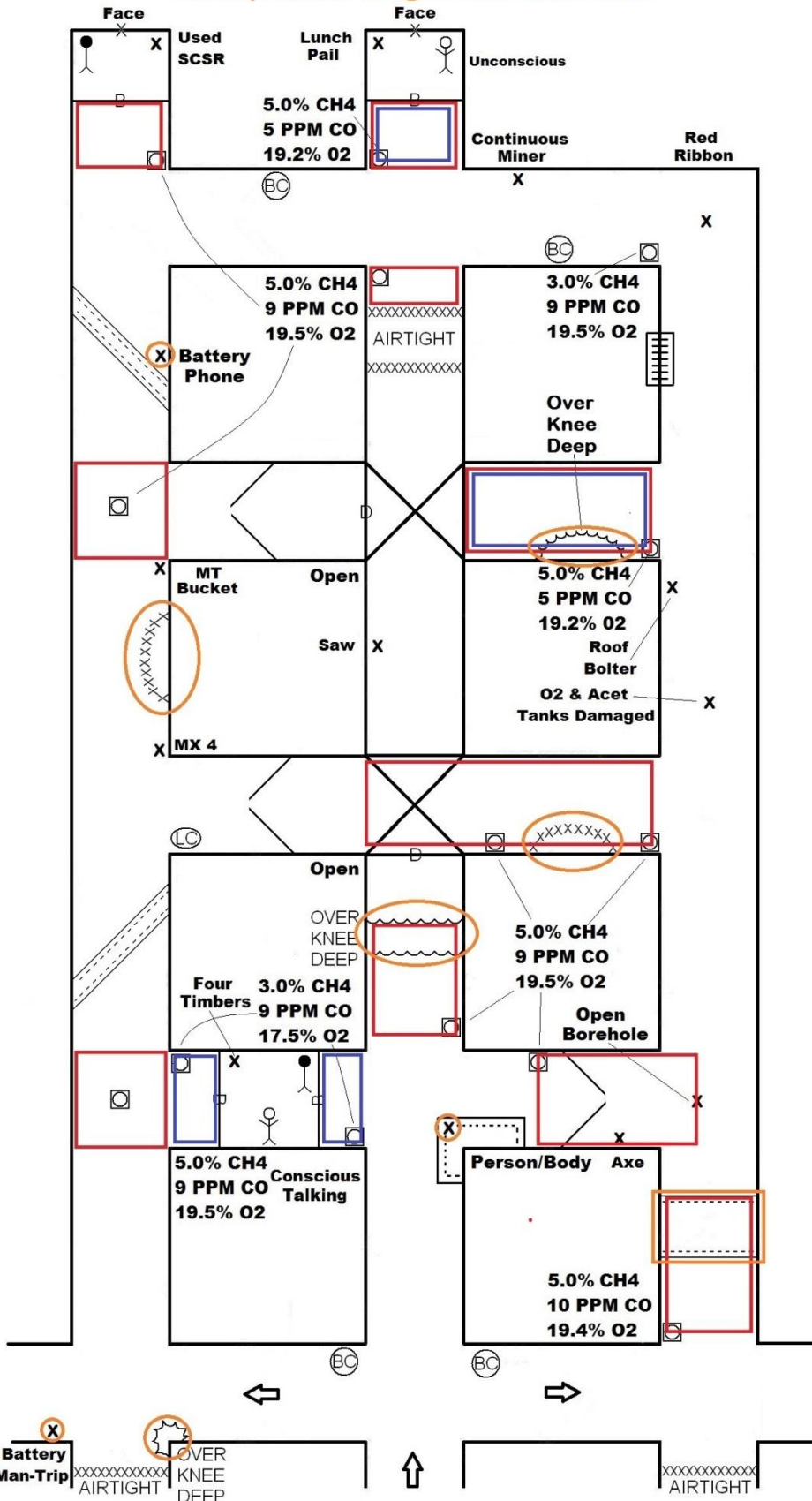
Statement behind both barricades  
between 1 and 2 entry in first  
crosscut inby FAB

**Help! I have a airtight barricade  
behind me !**

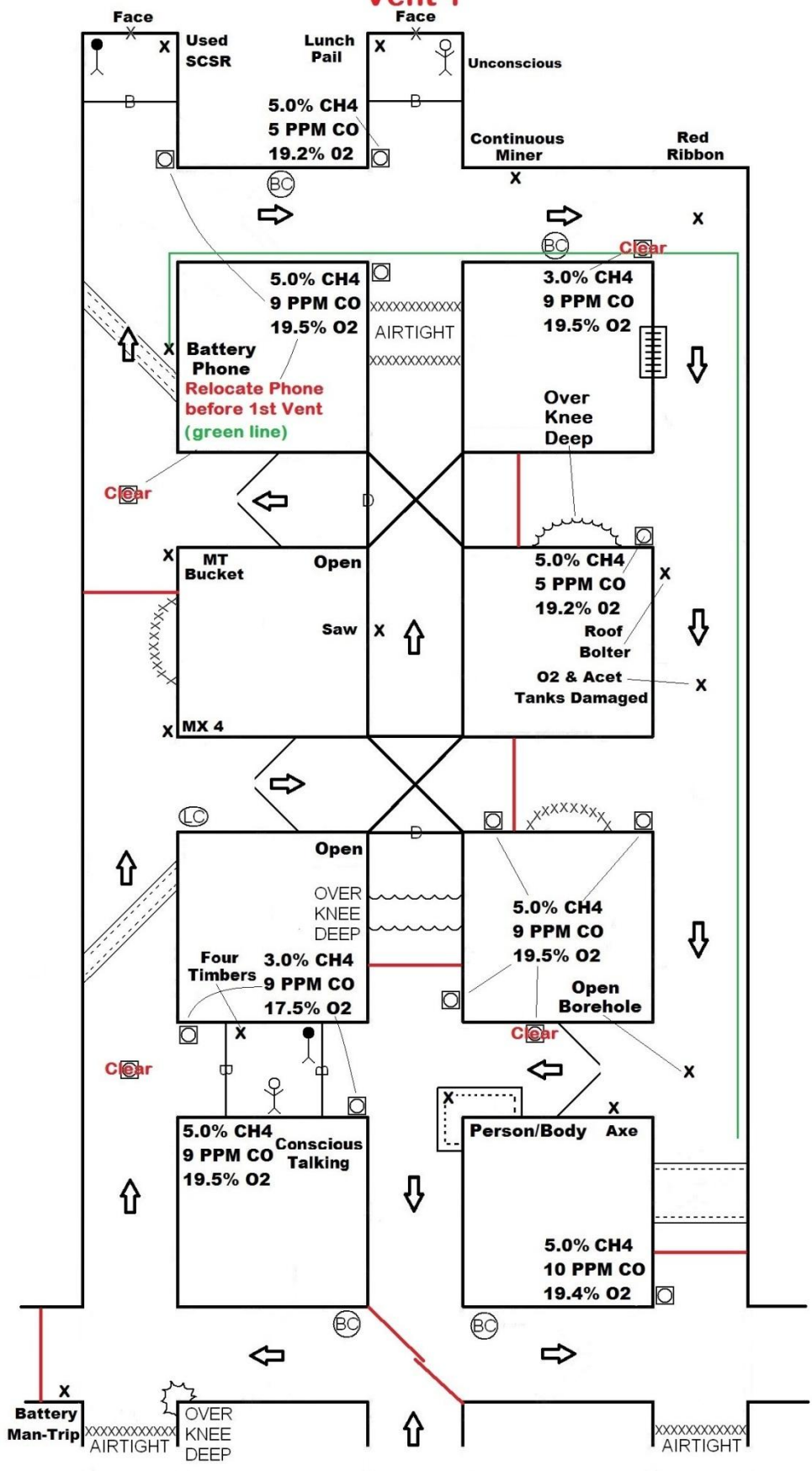
# Gas Test Date, Int. Roof & Rib



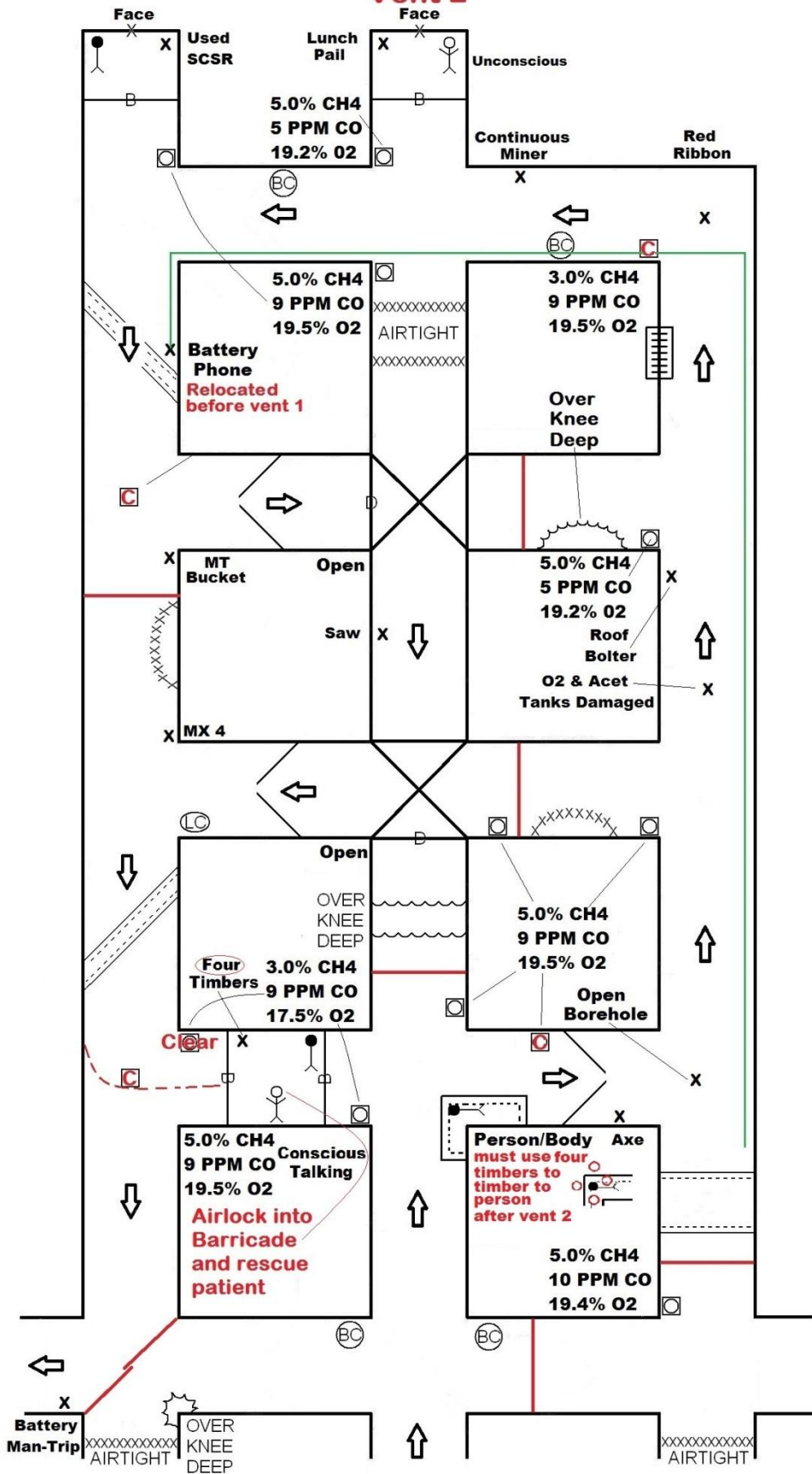
# Explosive Irrespirable unexplored & ignition sources



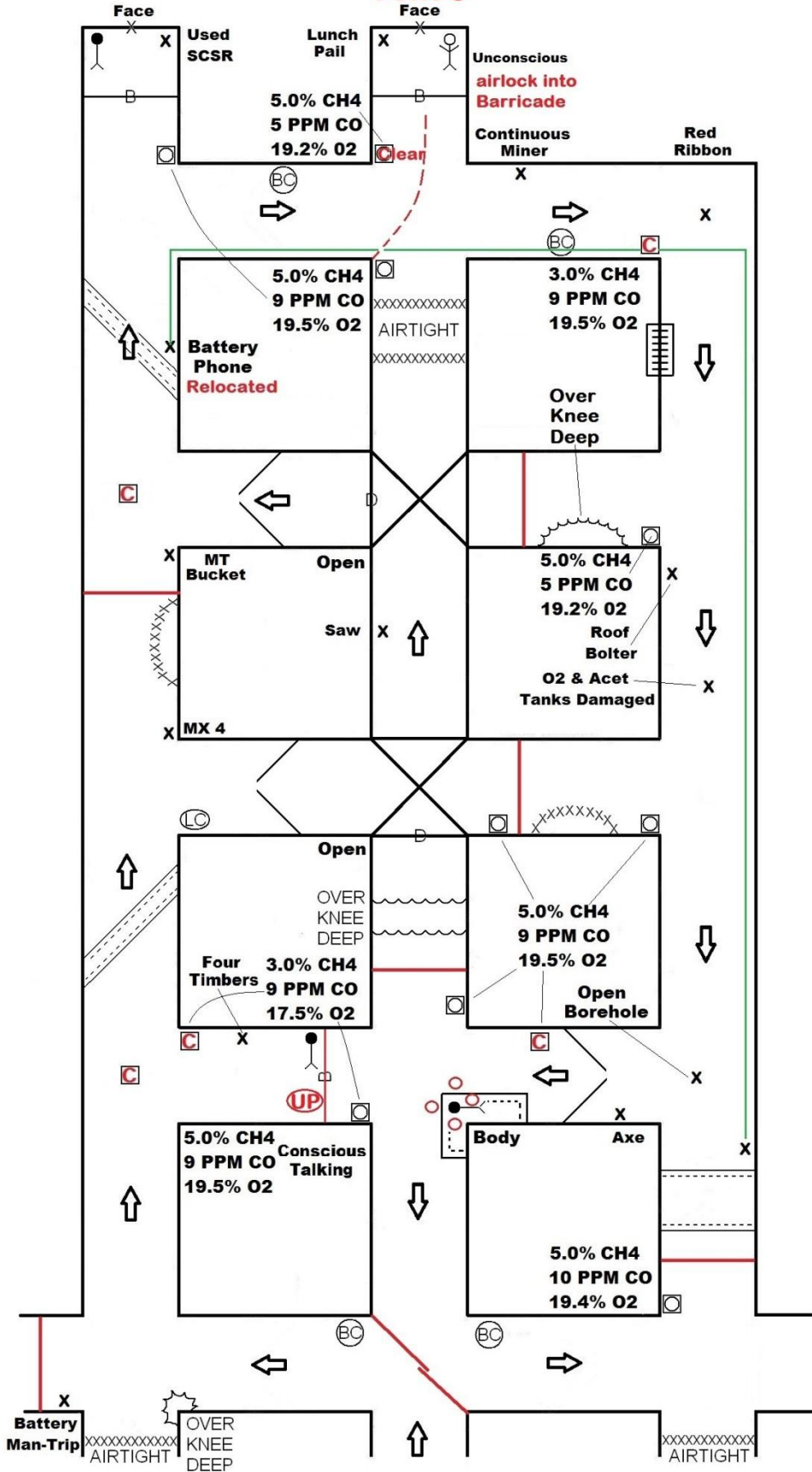
# Vent 1



# Vent 2



# Vent 3



# Problem Keys

- **Move battery phone before first vent to no.3 entry first crosscut inby unsafe roof. (see first vent map) must be careful not to get phone in any explosive mixture**
- **Must not move any irrespirable atmosphere over person in unsafe roof in no. 2 entry (see vent 1 map)**
- **Must breach barricade inby last open in no. 1 entry to have enough brattice cloth to do vent 1 correctly**
- **Must not move irrespirable atmosphere over the water over knee deep in the FAB when winging the barricade in the first crosscut between 1 & 2 entry (see vent 2 map)**
- **Must timber to person in unsafe roof after bringing out patient behind barricade between 1&2 entry (see vent 2 map)**
- **Must not send explosive mixture over battery man-trip in no.1 entry FAB during any vent**