

# 2014 MTTTC NATIONWIDE MINE RESCUE SKILLS CHAMPIONSHIP



**Oct. 6-10, 2014**  
**Judges**  
**Briefing**

# Problem Statement

**You are located in the first crosscut underground of the M&I # 7 Mine. A fresh air base was established here when a responsible person went underground and found unsafe roof or methane just inby this location in all 3 entries.**

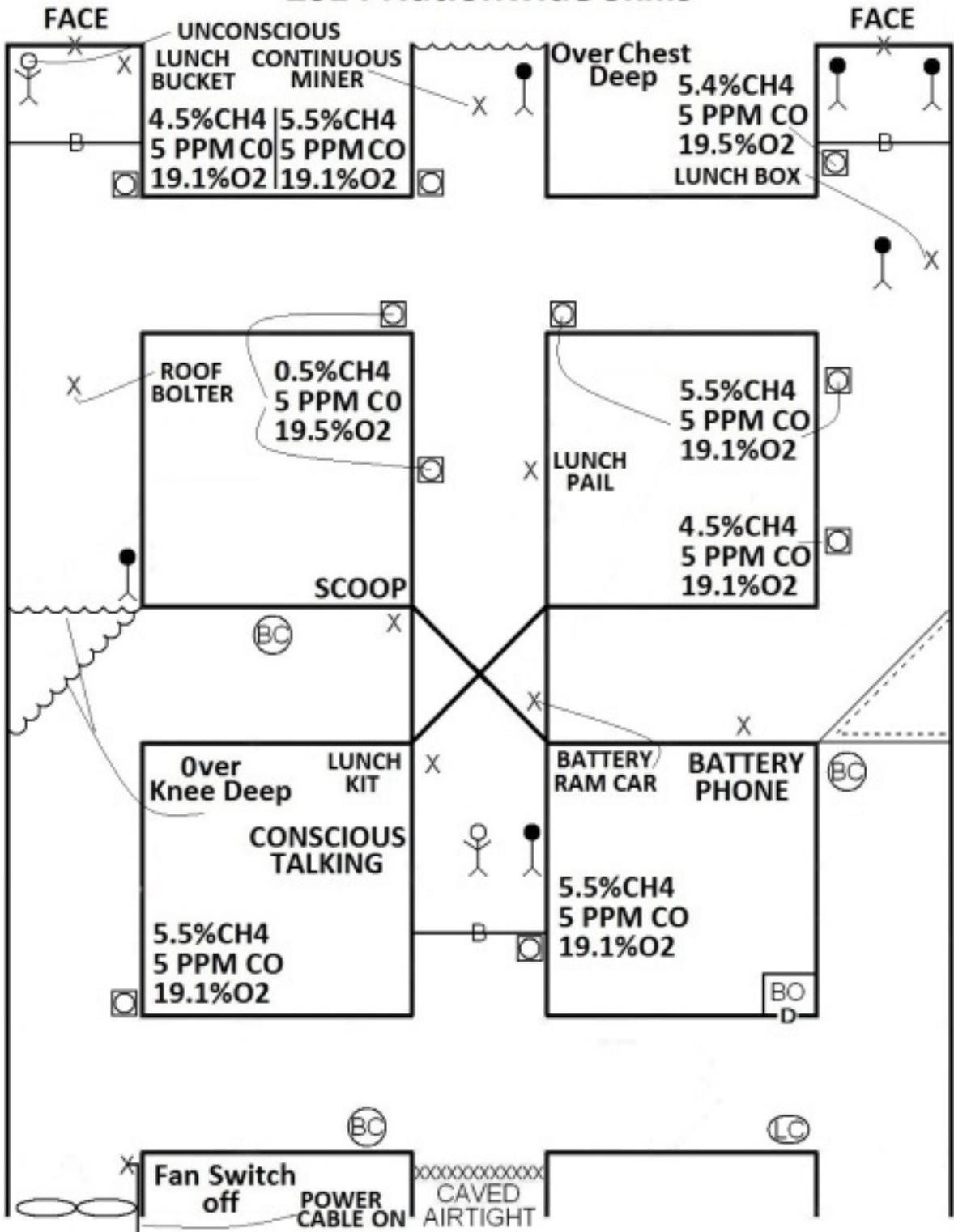
**Earlier this morning, the section foreman called out and said that the continuous miner operator told him that his miner had shut down because of high methane levels in the face of the no. 2 entry. The foreman said he was going back to check on the miner operator and would call back later with a full report. Right after that communication, the main power knocked going underground and the fan stopped running.**

**We tried several times by phone to contact anyone on the section and have not been successful. The tracking system shows all 8 miners are still in the mines and considered missing.**

**There is a trained mine rescue team here to back you up and the power has been locked out and guarded inby the fresh air base. The maps you will receive when you start the clock are not up to date.**

**Please be careful and find our miners.**

# 2014 Nationwide Skills



2014 MTTC PA Nationwide Skills  
Contest

Written Instructions

**ACCOUNT FOR ALL THE MISSING  
MINERS AND BRING LIVE PERSONS  
TO THE FRESH AIR BASE**

**THE FAN SYSTEM CAN BE BLOWING  
OR EXHAUST WHEN TURNED ON  
LET SUPERINTENDENT KNOW WHICH  
FAN SYSTEM YOU WANT BEFORE  
TURNING ON**

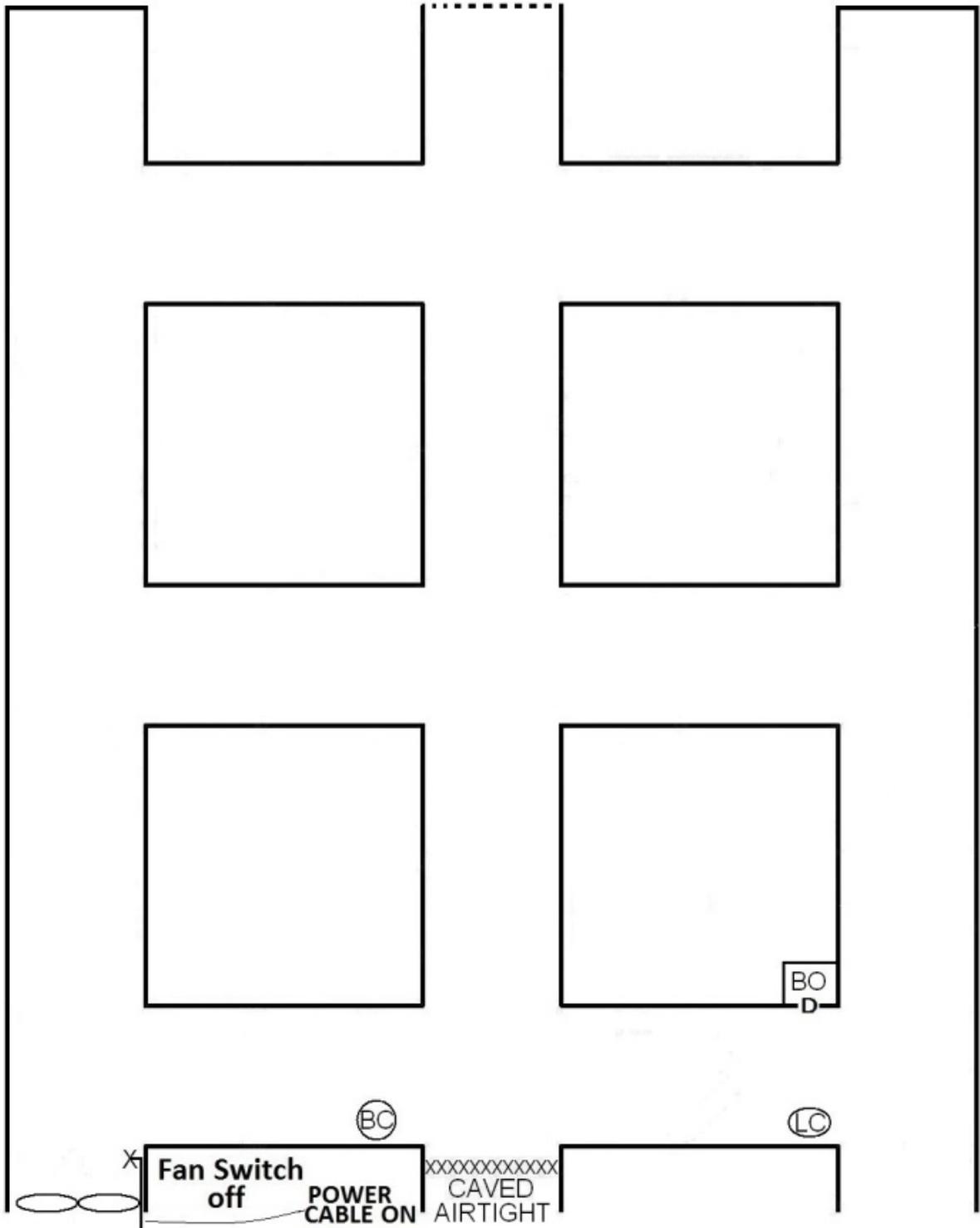
**THE FAN CAN BE TURNED ON AND OFF  
BY THE TEAM, BUT NEVER STALLED  
WHILE IN OPERATION**

**THE BRIEFING OFFICER HAS BEEN  
ISOLATED IN A RESPIRABLE  
ATMOSPHERE**

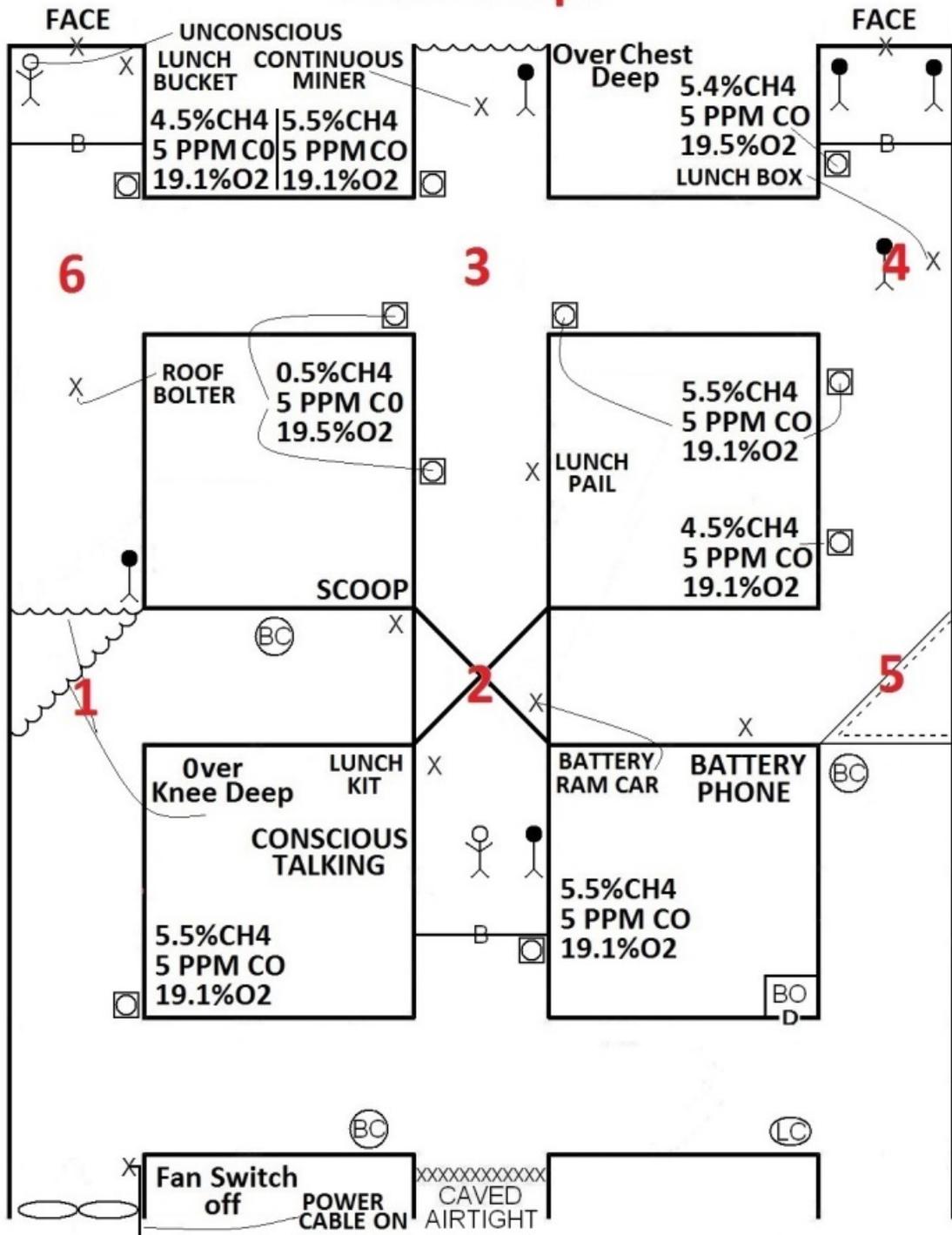
**Patient Statement in  
first Barricade in No.2**

**Help! Get me  
out of here !**

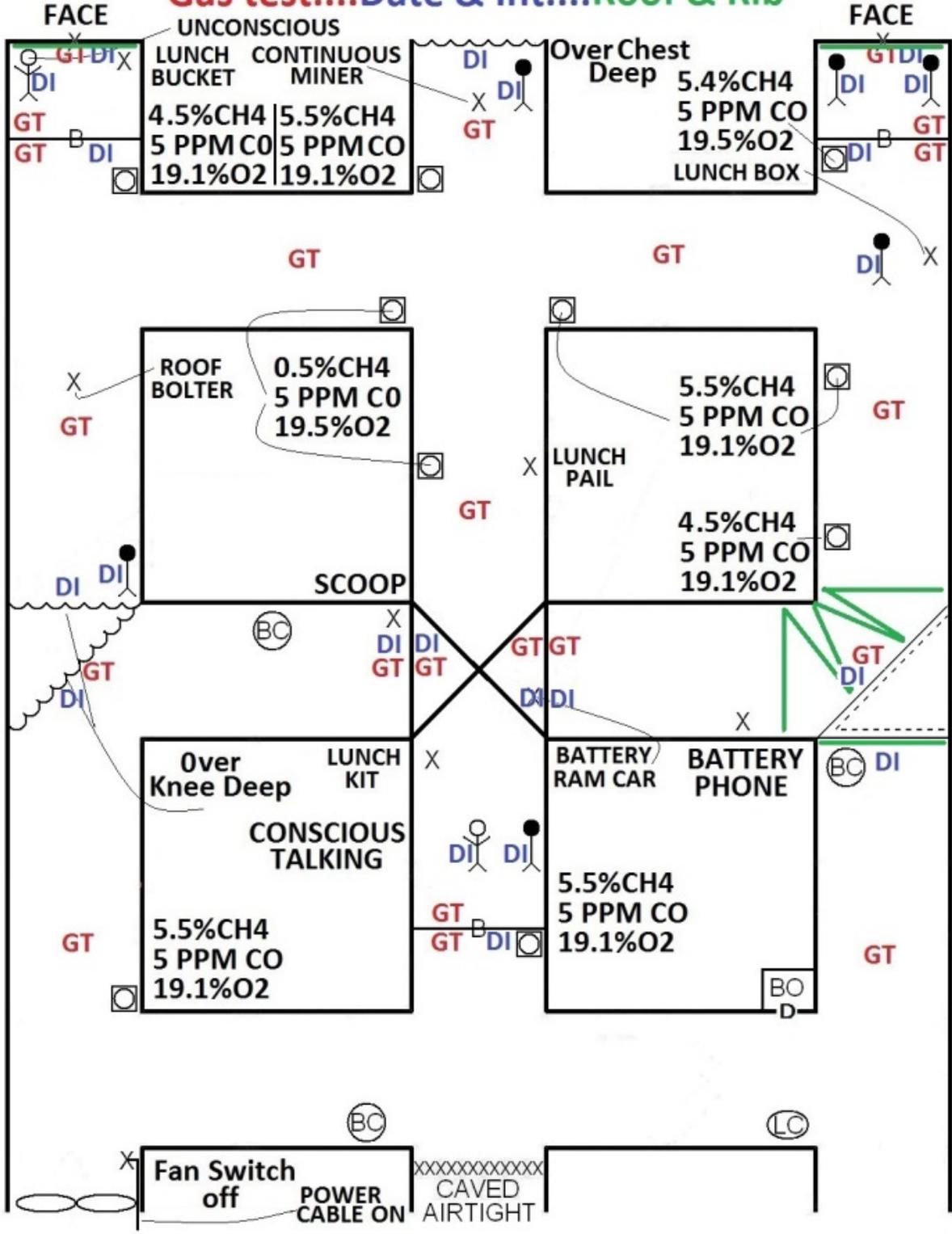
# Team Map



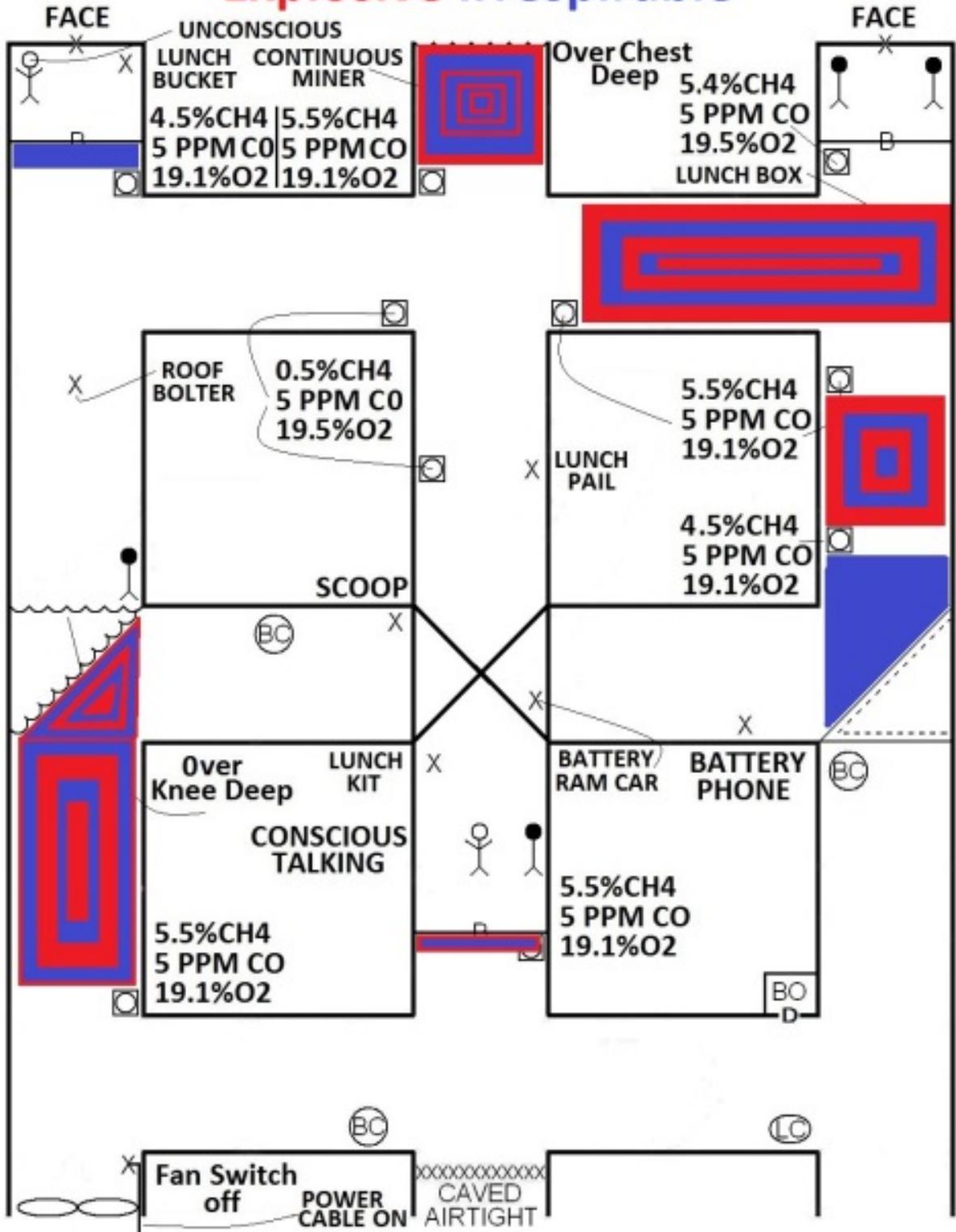
# Team Stops



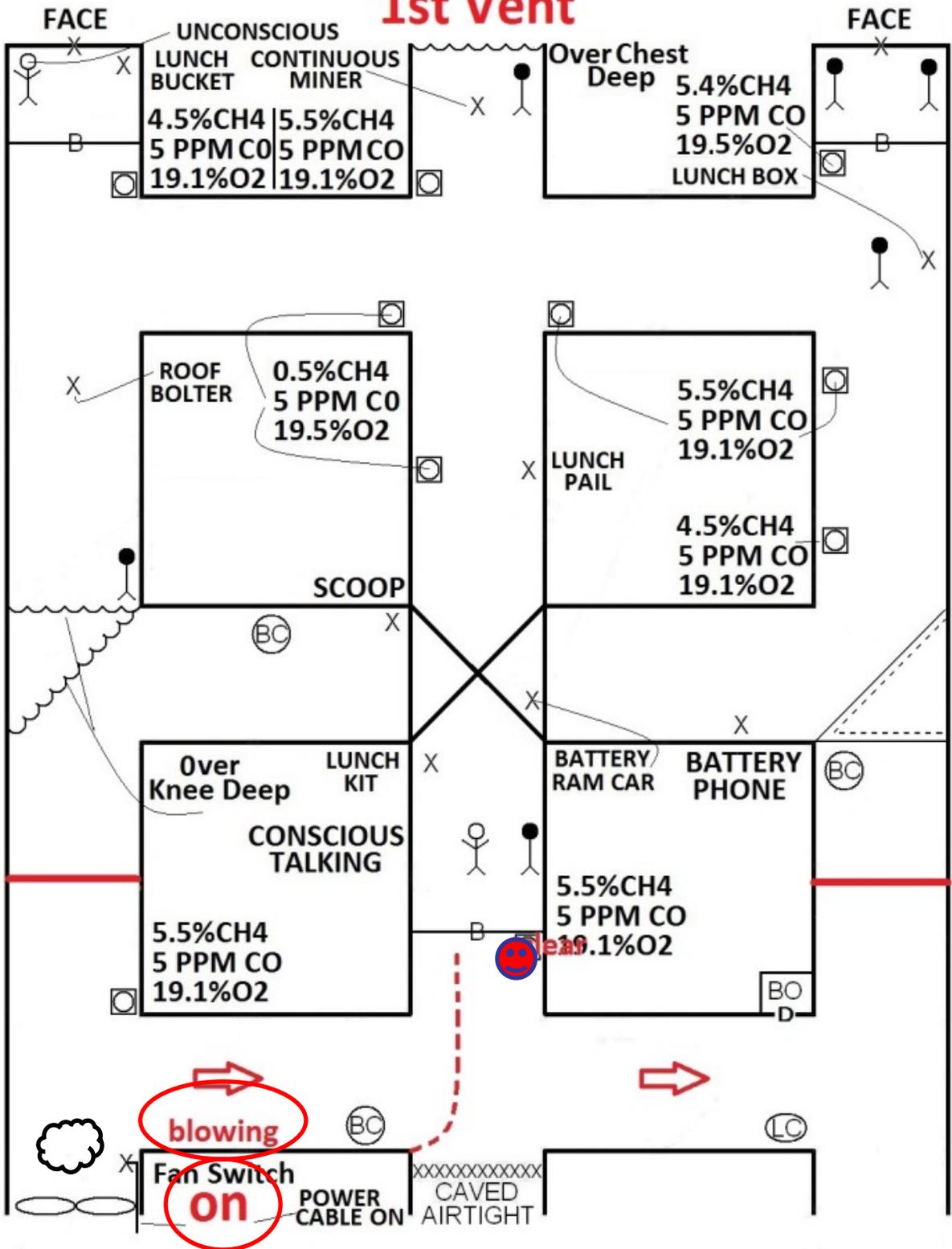
# Gas test....Date & Int....Roof & Rib



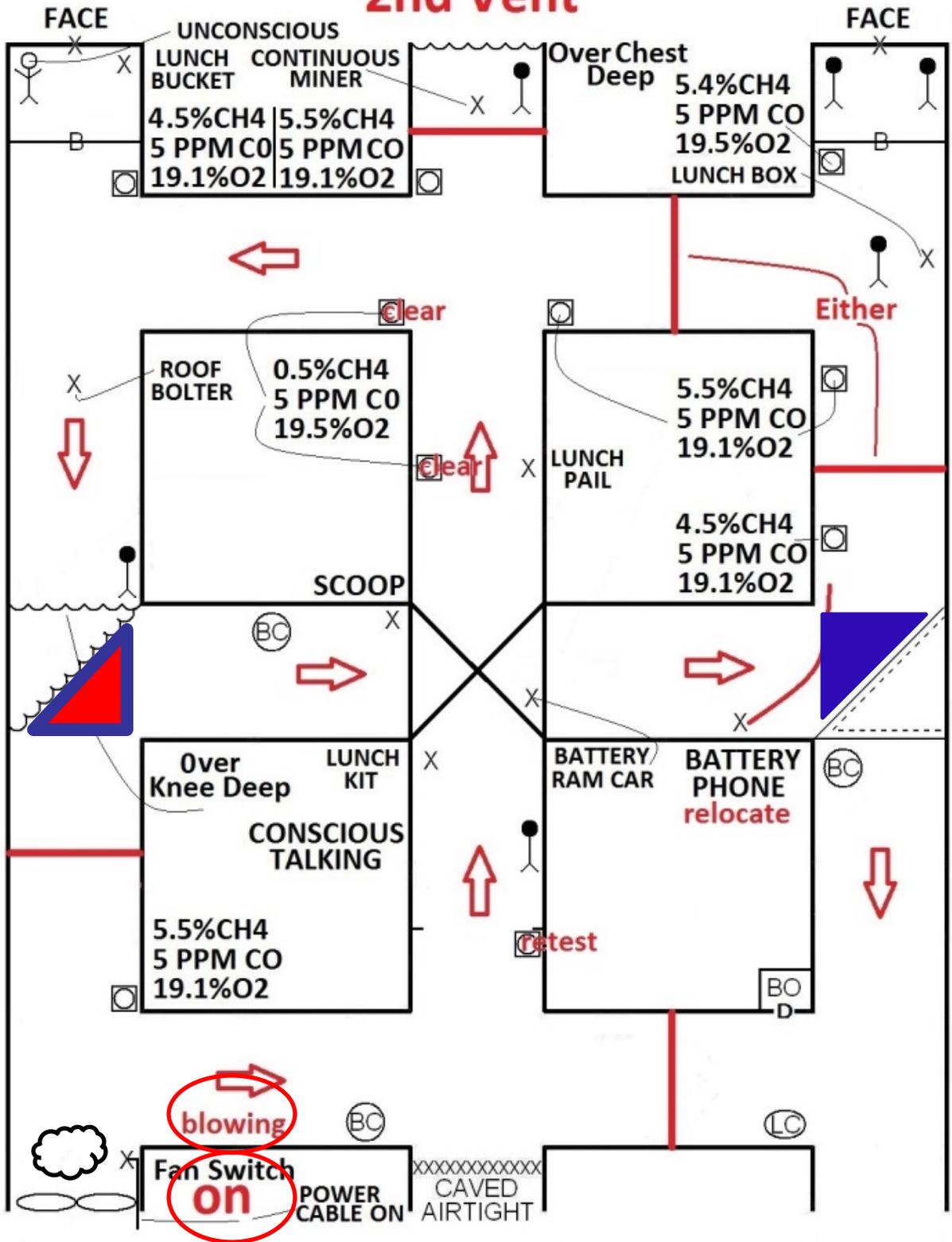
# Explosive Irrespirable



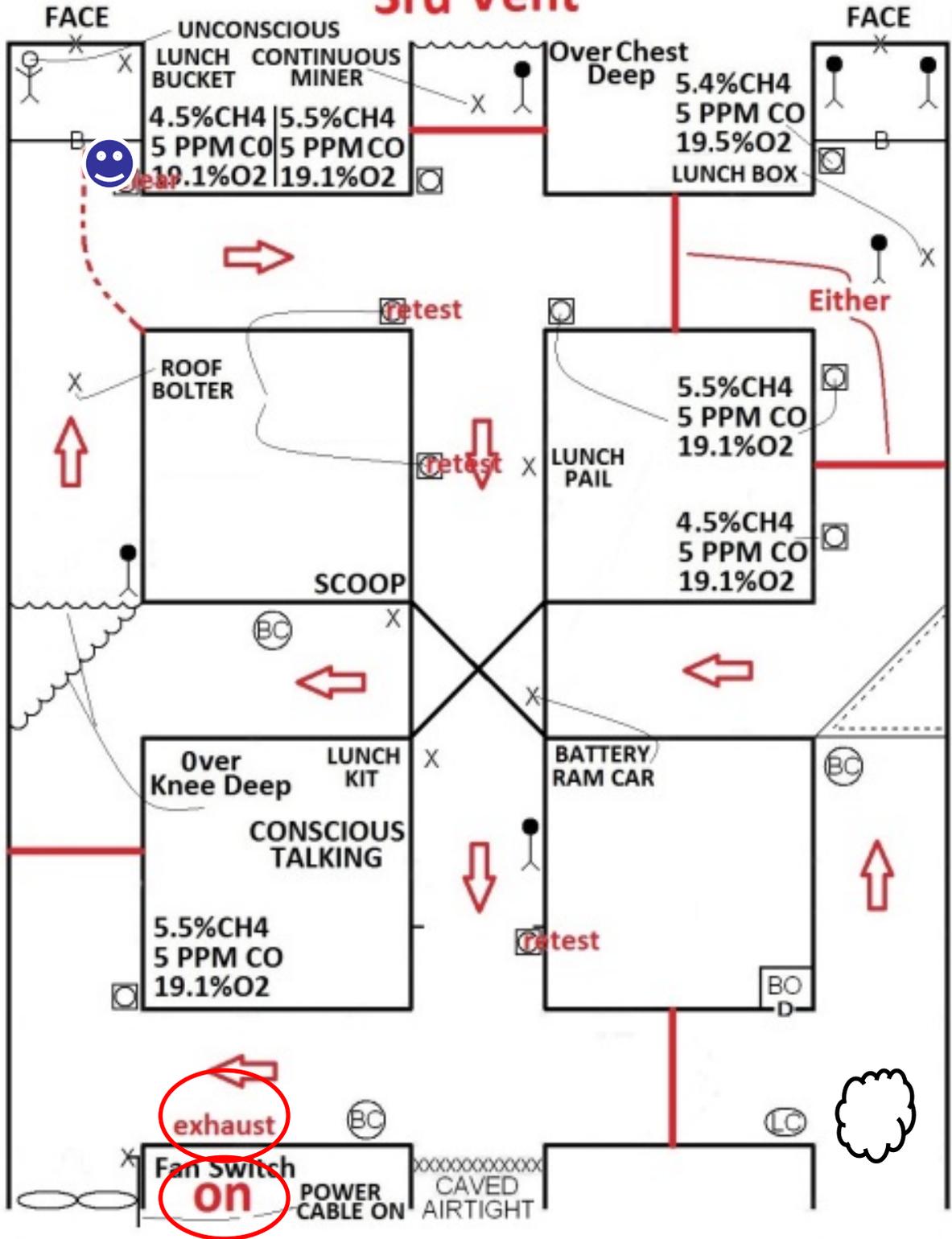
# 1st Vent



# 2nd Vent



# 3rd Vent



# Keys to Problem

- **Team can ventilate first Barricade before going to “A” crosscut just inby the FAB**
- **Team must use blowing fan to ventilate first barricade**
- **Team must find bodies in Barricade in no.3 entry before vent can be done for barricade in no.1 entry**
- **Team must not let any air flow to or from water over chest deep in no.2 entry (Map is not up to date)**
- **Team can go in Barricade in no.3 entry without ventilation (airlock and go in)**
- **Team must use blowing fan on second vent**
- **Team must move battery phone (See vent 2 map)**
- **Team must use exhaust fan on 3<sup>rd</sup> vent (See vent map 3)**