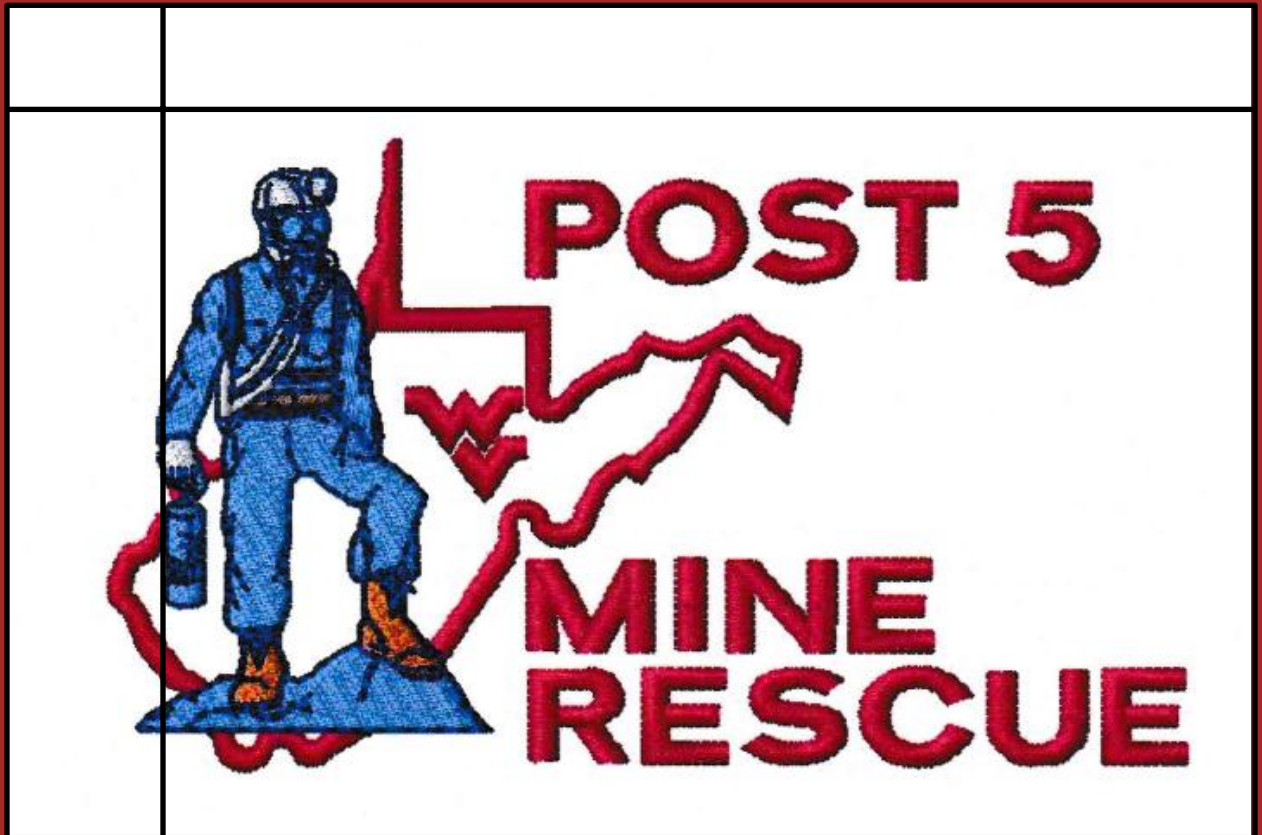
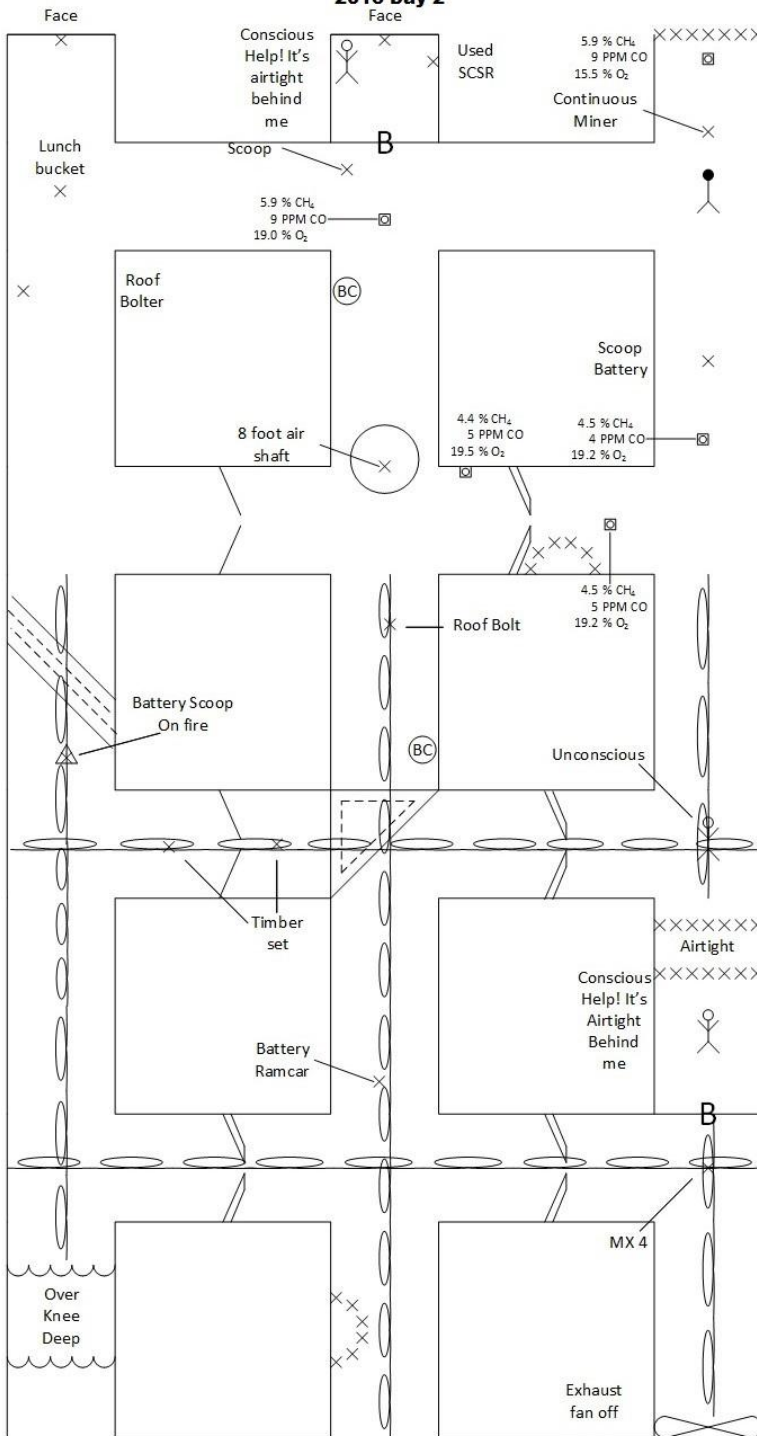


2015 Post No.5 & West Virginia State Mine Rescue Contest Day 2



Problem Briefing

2015 Day 2



2015 Post 5 & West Virginia State Mine Rescue Contest Day 2 Statement

You are located on the surface of Red Ridge # 7 mine. This is a new drift mine that just started production a few months ago. Thanks for answering our call for help.

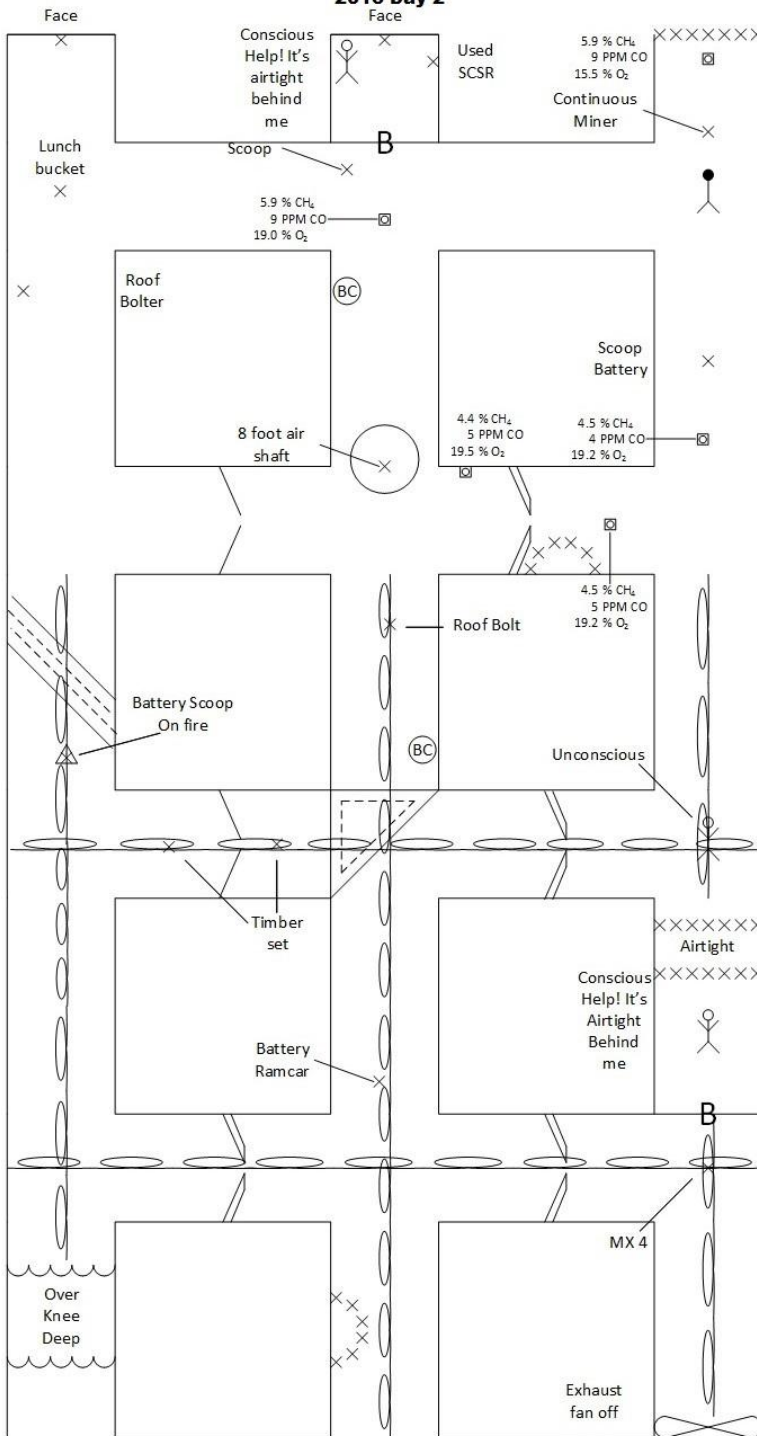
Three hours ago, a foreman and a 3 man crew entered the mine to do clean up and rock dusting on the unit. About an hour ago, we saw smoke coming from the portals. We tried to call on the section and could not get in touch with anyone. The tracking system still shows that all four miners are on the section. We also lost power and the exhaust fan stopped. The power has been restored and the fan can be started by asking the superintendent. The mine has had numerous problems with water, methane and bad roof. The mine is advancing toward an old pony mine that shut down in 1956. The plan is to turn north away from that mine before we get within 500 feet of it's property line.

The power going underground has been locked out and is being guarded. A trained mine rescue team is here to back you up and the mine maps that you will receive once the clock is started are not up to date. Our engineers just work here one day a week and then travel to five other mines in this county.

The mine is equipped with the a new communication and tracking system that we hope can be useful to you as you explore. We will let you know if anyone comes outside or calls by phone to let us know where they are located.

Please be careful and explore with caution!

2015 Day 2

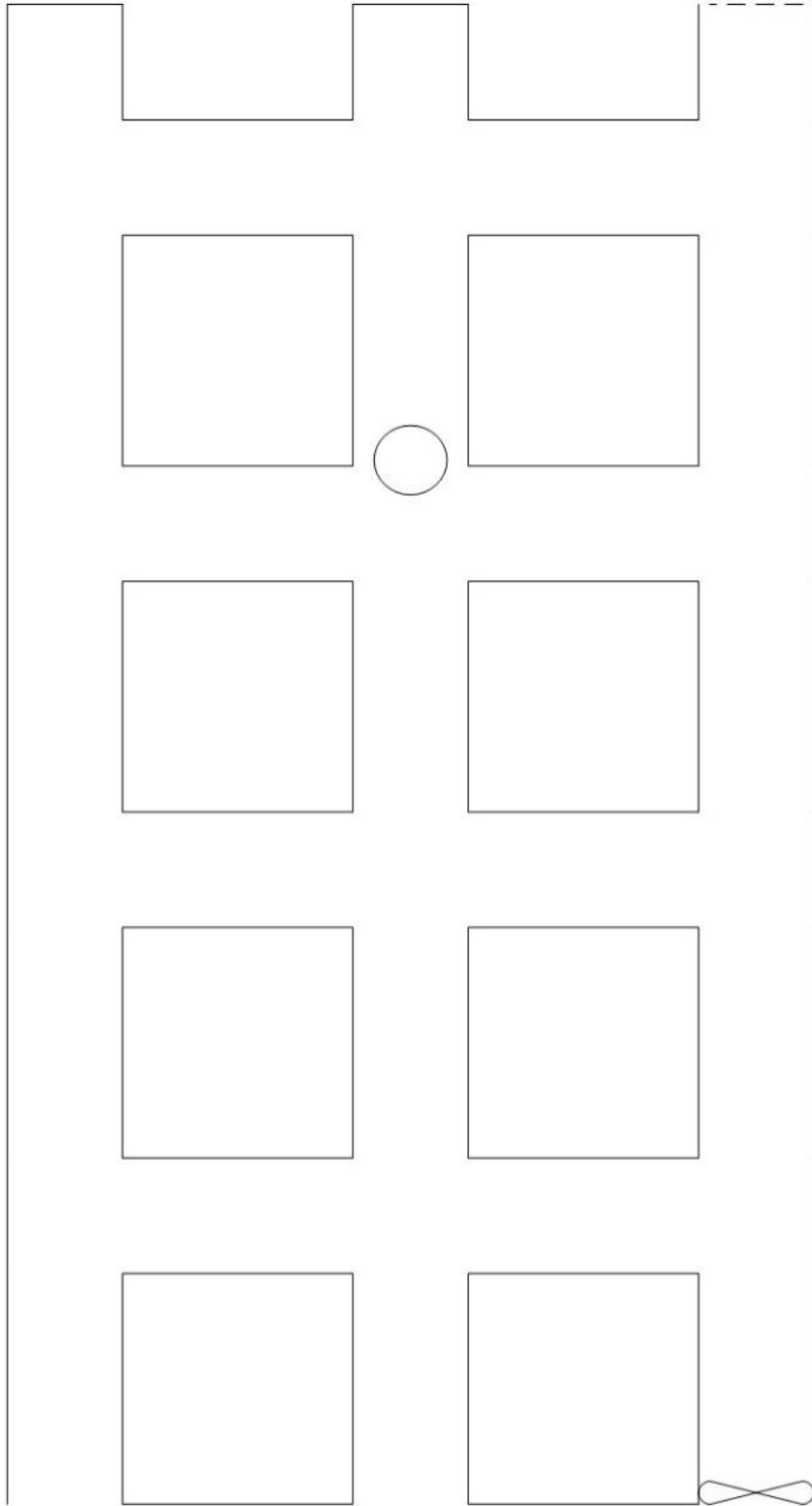


2015 Post 5 Day 2

Problem

(Written Instructions)

- **ACCOUNT FOR THE MISSING MINERS**
- **THE EXHAUST FAN CANNOT BE REVERSED**
- **THE EXHAUST FAN CANNOT BE STOPPED OR STALLED AFTER STARTING**
- **YOU CANNOT CARRY MORE THAN 2 BRATTICE CLOTH WHILE ADVANCING OR RETREATING**
- **BO/CCA IS OUTSIDE AND ISOLATED**



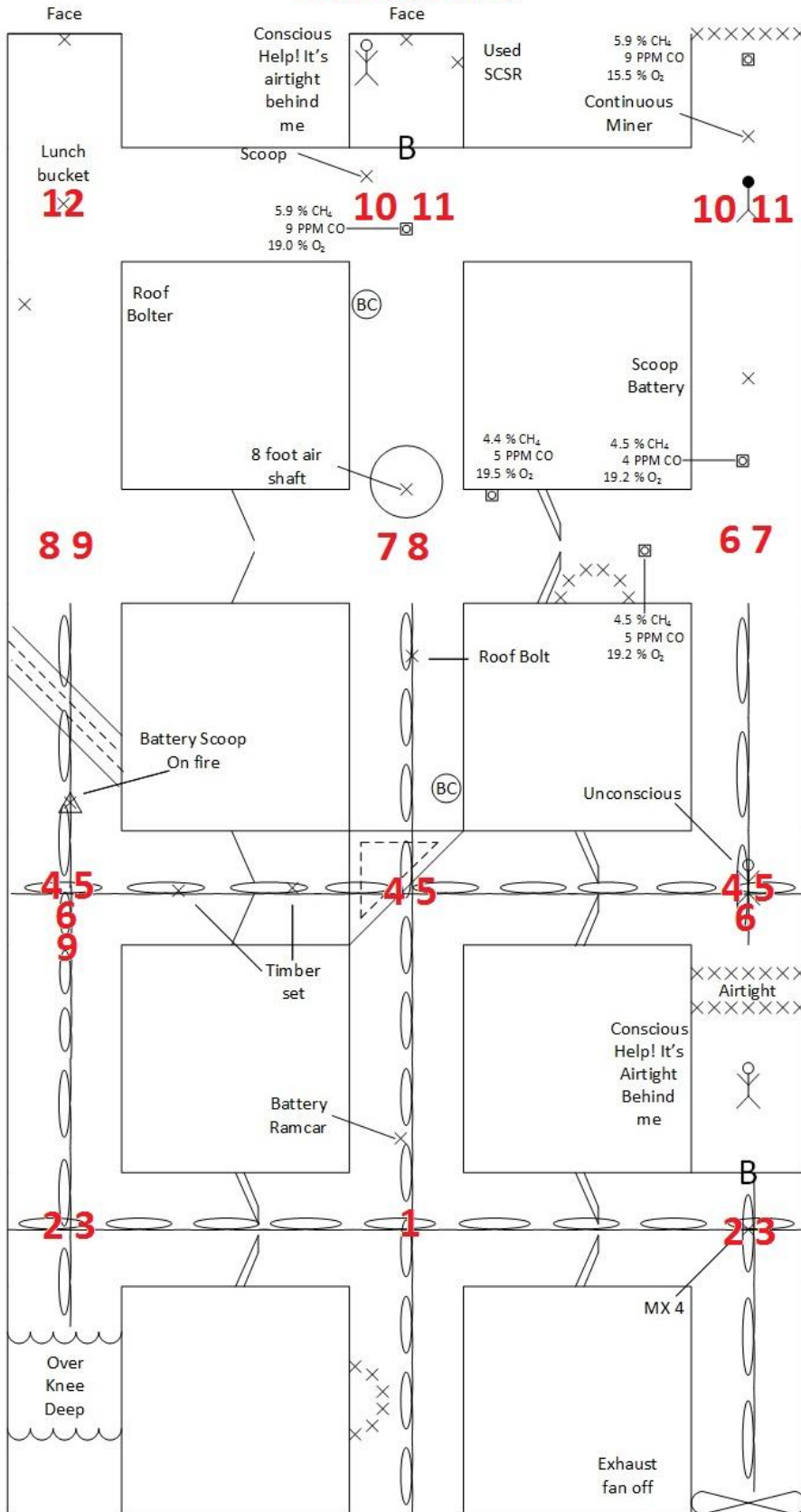
PATIENT STATEMENT IN
BARRICADE IN NO.3 ENTRY
INBY 1ST CROSSCUT

**Help! It's airtight
behind me!**

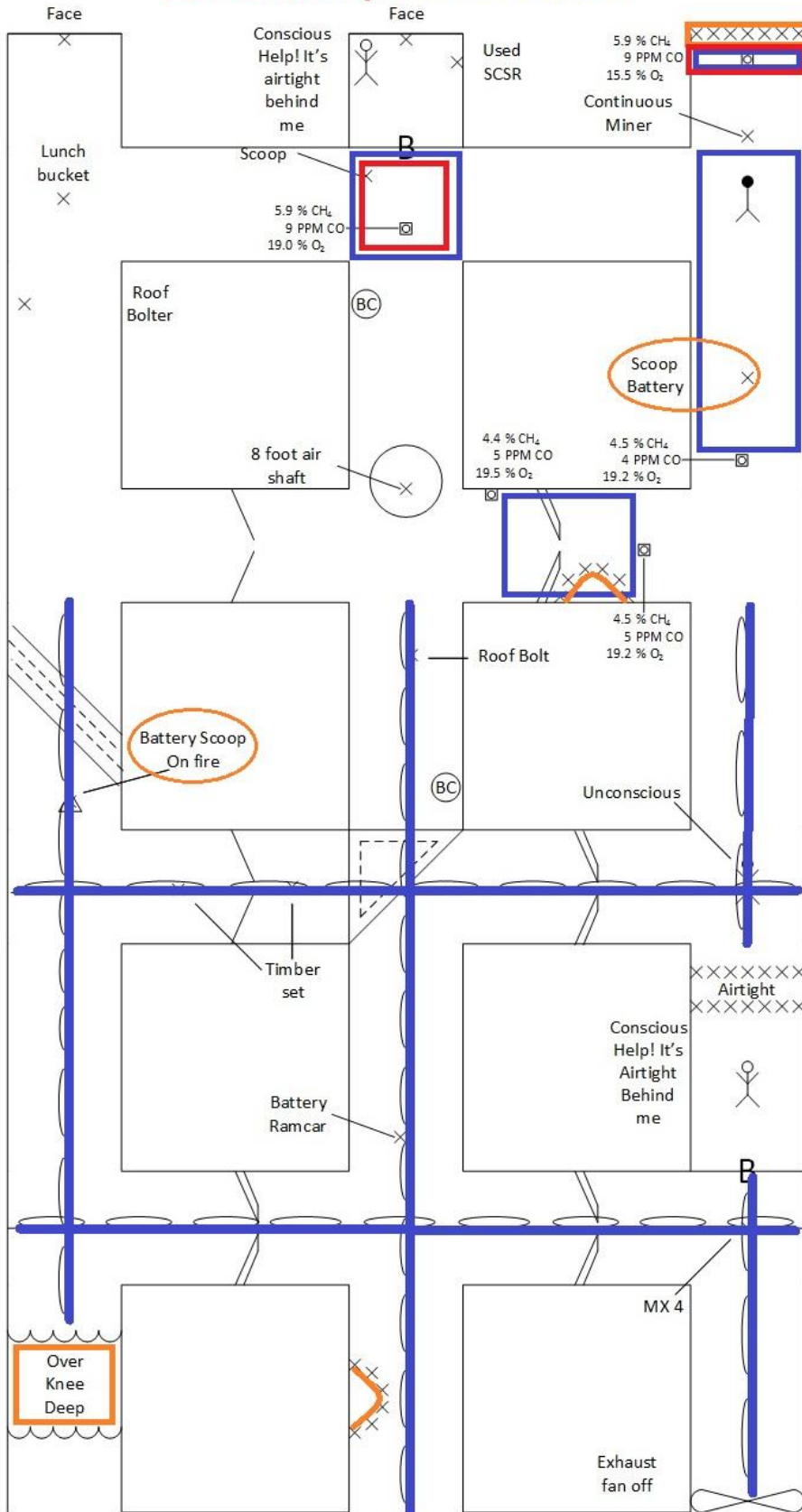
PATIENT STATEMENT
IN BARRICADE IN NO. 2
ENTRY LOC

**Help! It's airtight
behind me!**

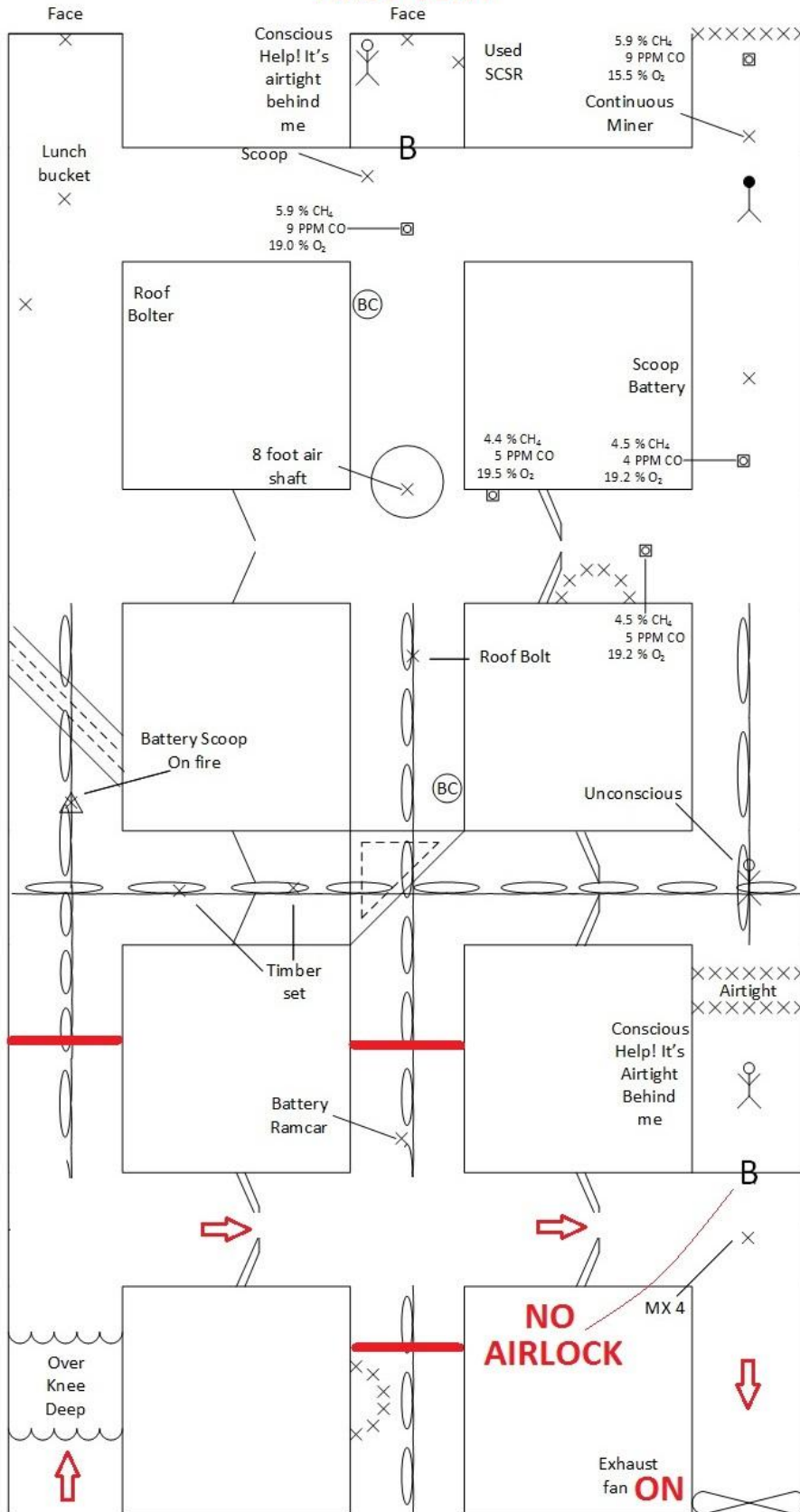
TEAM STOPS



EXPLOSIVE / IRRESPIRABLE

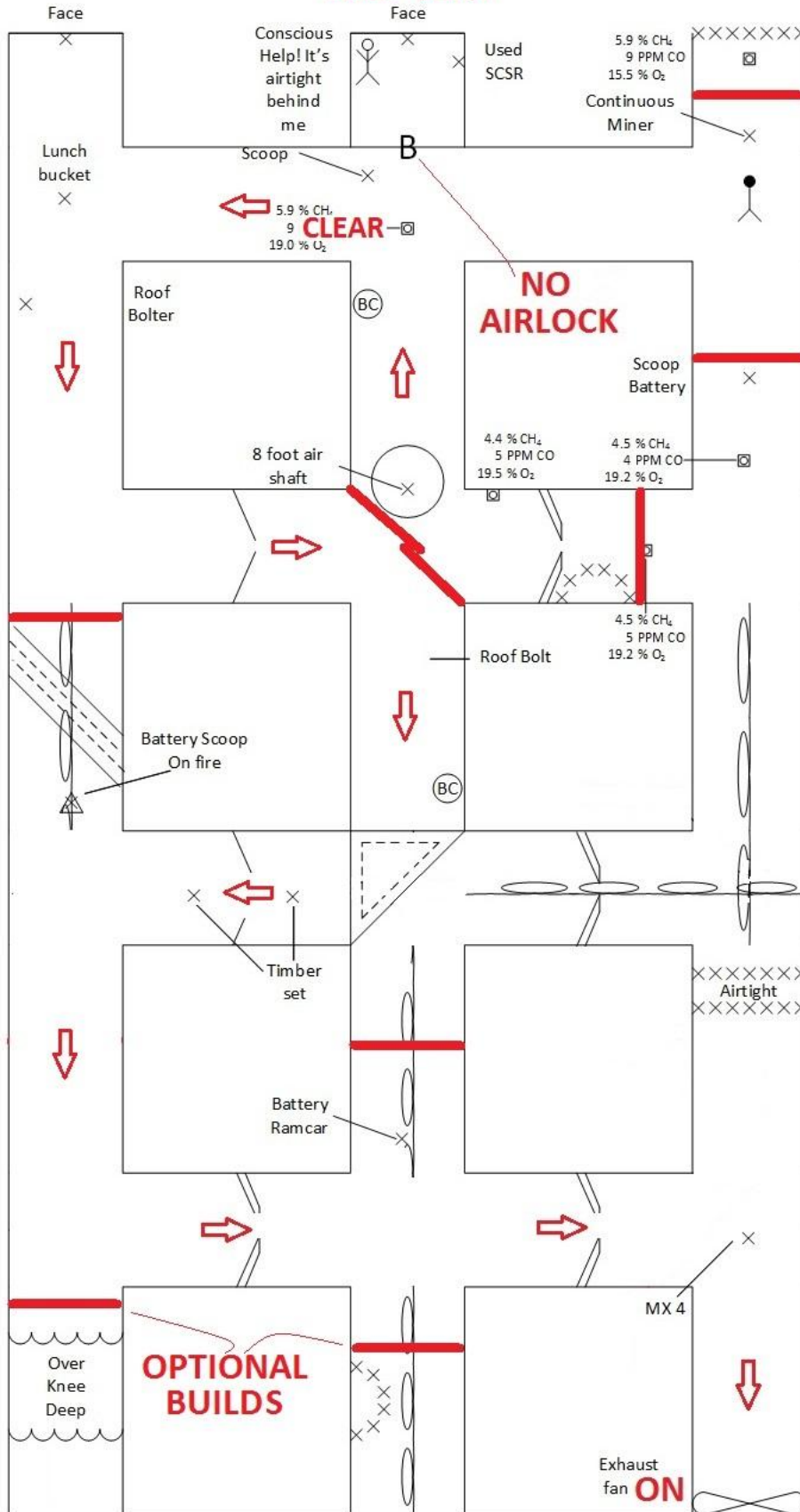


FIRST VENT



MUST STAY AIRLOCK AFTER STARTING FAN

2ND VENT



Keys to Problem

- **Team will be in smoke for most of the problem (watch for team members dropping lifeline)**
- **Team must stay air locked after starting the fan (open airshaft and caved area in no.3 entry can let air migrate)**
- **Team must ventilate barricade in no.3 entry after finding 3 brattice cloths. Will be delay if team finds 4 brattice cloths before rescuing conscious person in barricade in no.3 entry**
- **Team must protect unconscious live person in no.3 entry intersection from smoke**
- **Team must know the diagonal unsafe roof in no.2 entry 2nd XC is considered made and can vent thru that area**
- **Team must not let explosive mixture in LOC migrate over any ignition source or unexplored area**