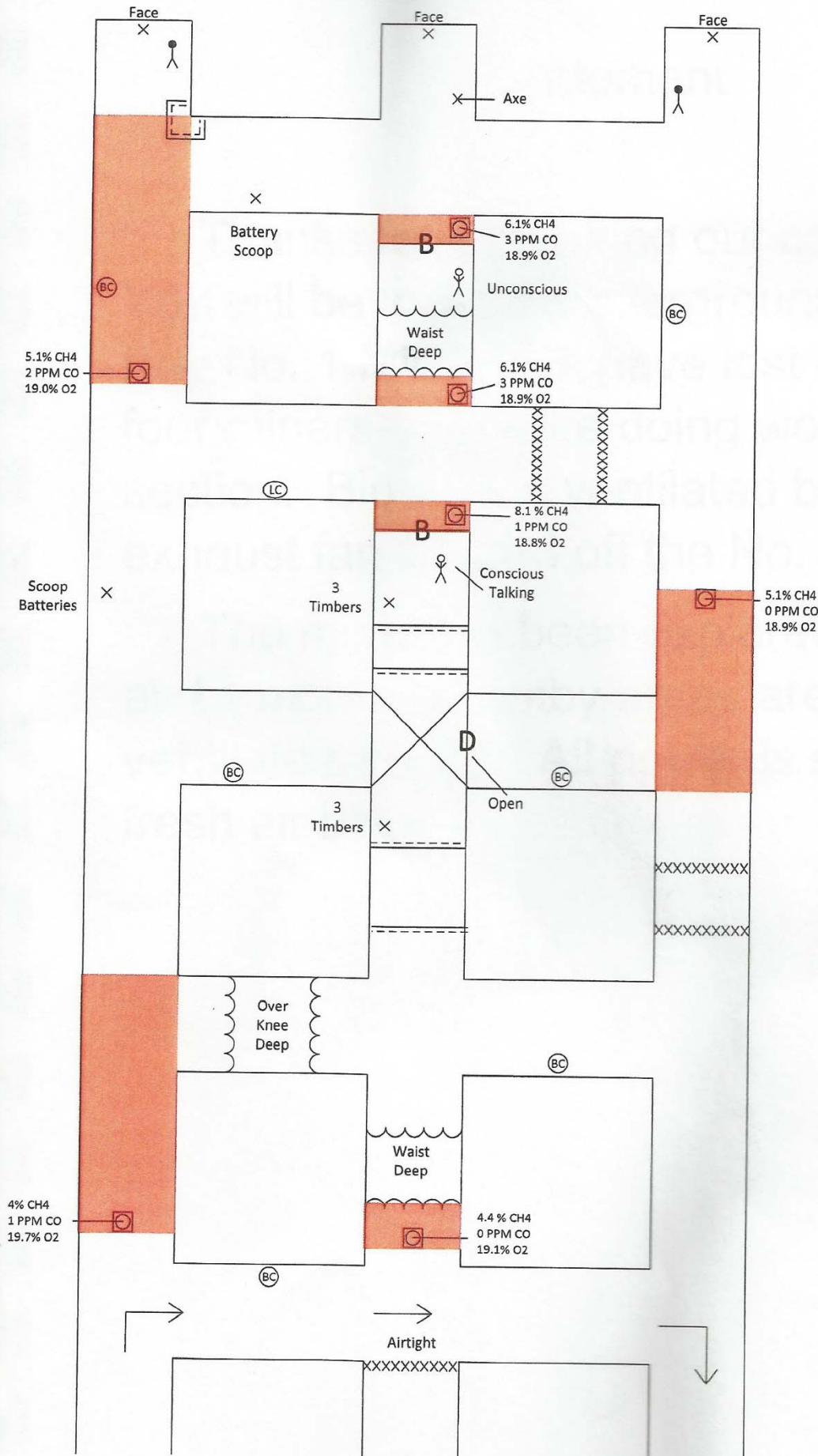


2017 SWVMR Day One Extent of Gases



[illegible]

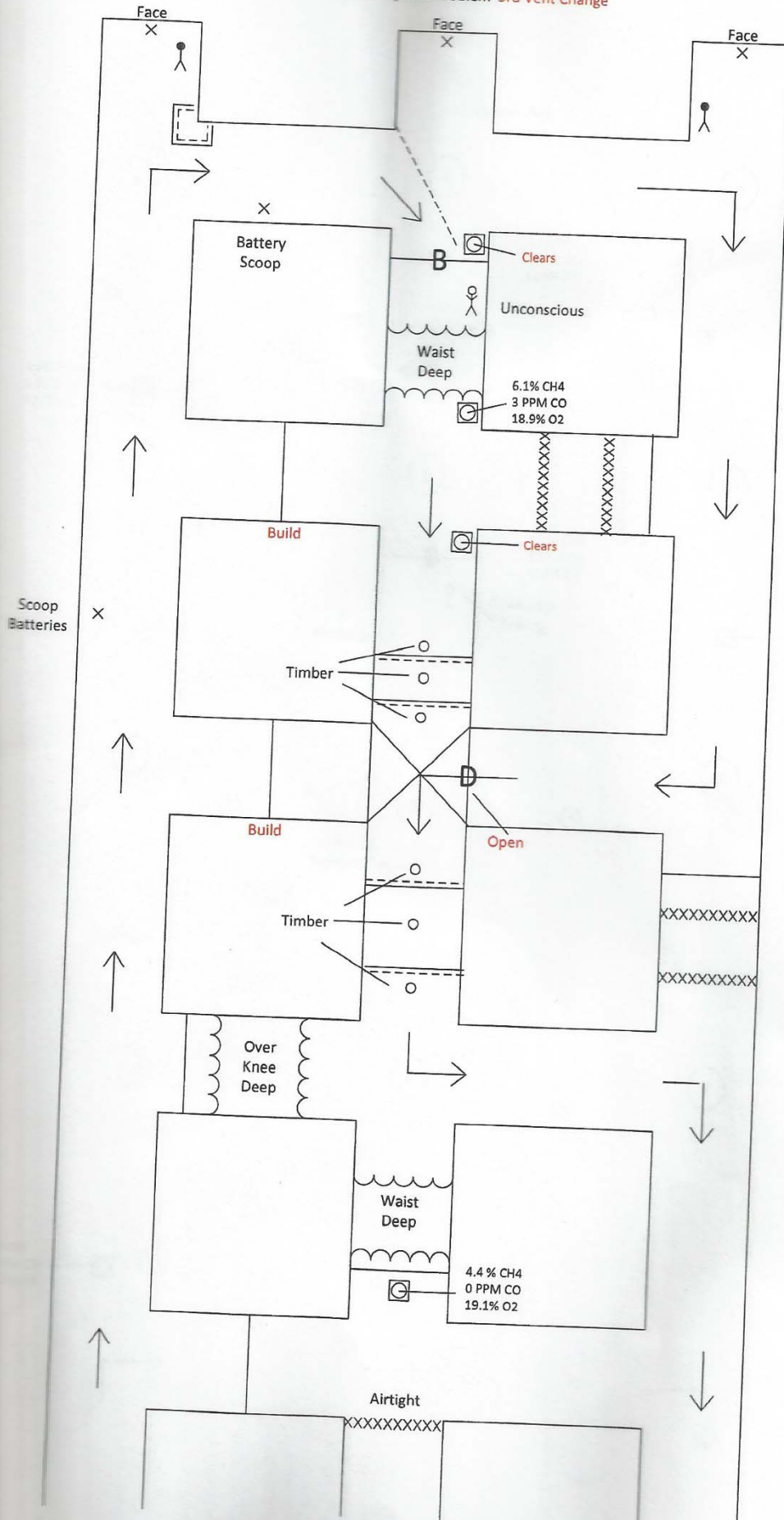
Airtight

The diagram illustrates a complex underground mine layout with several interconnected rooms and corridors. Key features include:

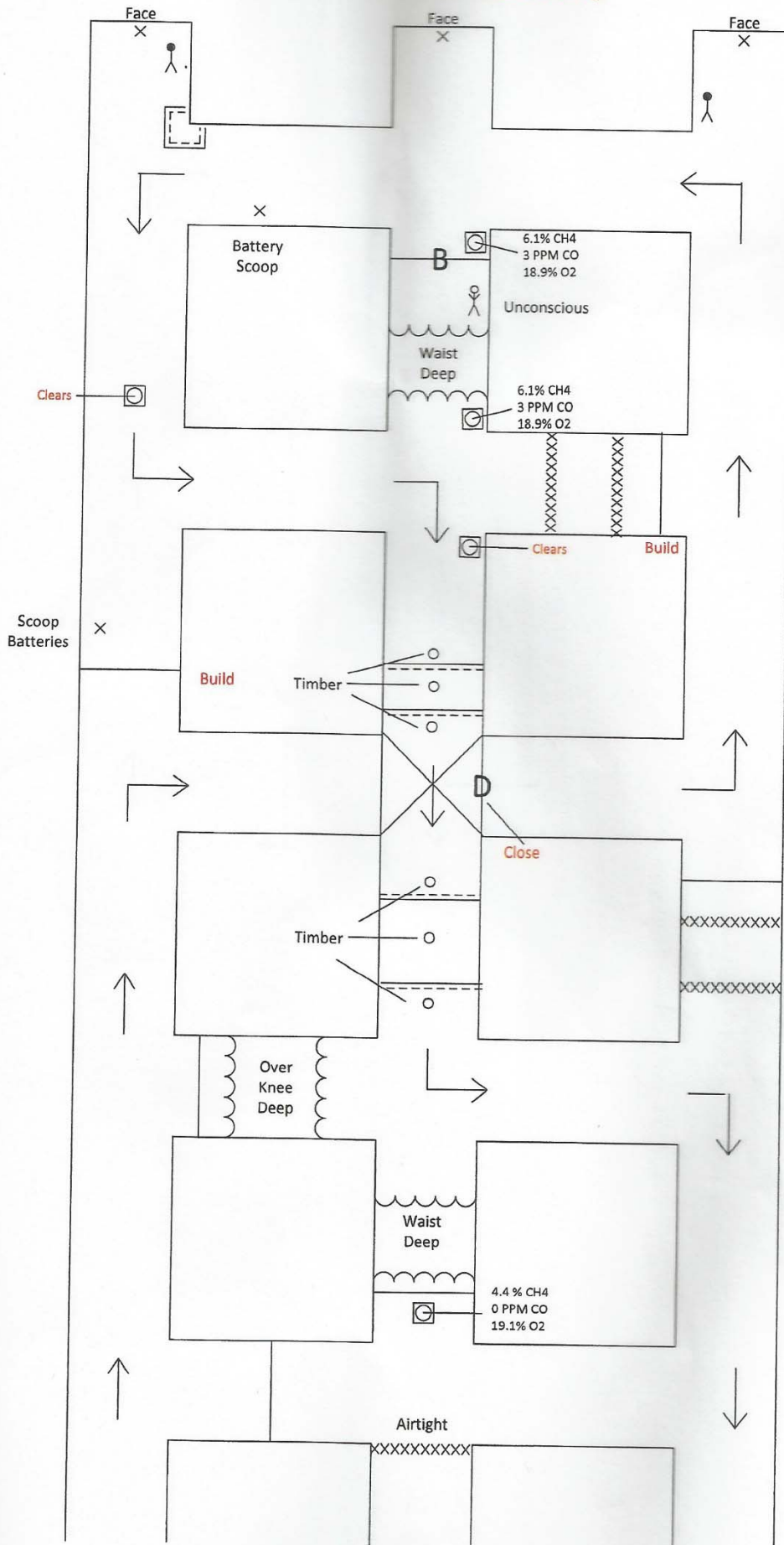
- Rooms and Areas:** Battery Scoop, Unconscious, Conscious Talking, 3 Timbers (multiple locations), Open, Over Knee Deep, and Waist Deep.
- Air Flow:** Indicated by arrows at the bottom labeled "Airtight".
- Gas Concentrations:**
 - Unconscious room: 6.1% CH₄, 3 PPM CO, 18.9% O₂
 - Conscious Talking room: 8.1% CH₄, 1 PPM CO, 18.8% O₂
 - Open room: 5.1% CH₄, 0 PPM CO, 18.9% O₂
 - Bottom right room: 4.4% CH₄, 0 PPM CO, 19.1% O₂
- Other Labels:** Face, Axe, BC, LC, D, B, X, 7, 8, 9, 5, 6, 10, 11, 12, 1, 2, 3, 4.

Airtight

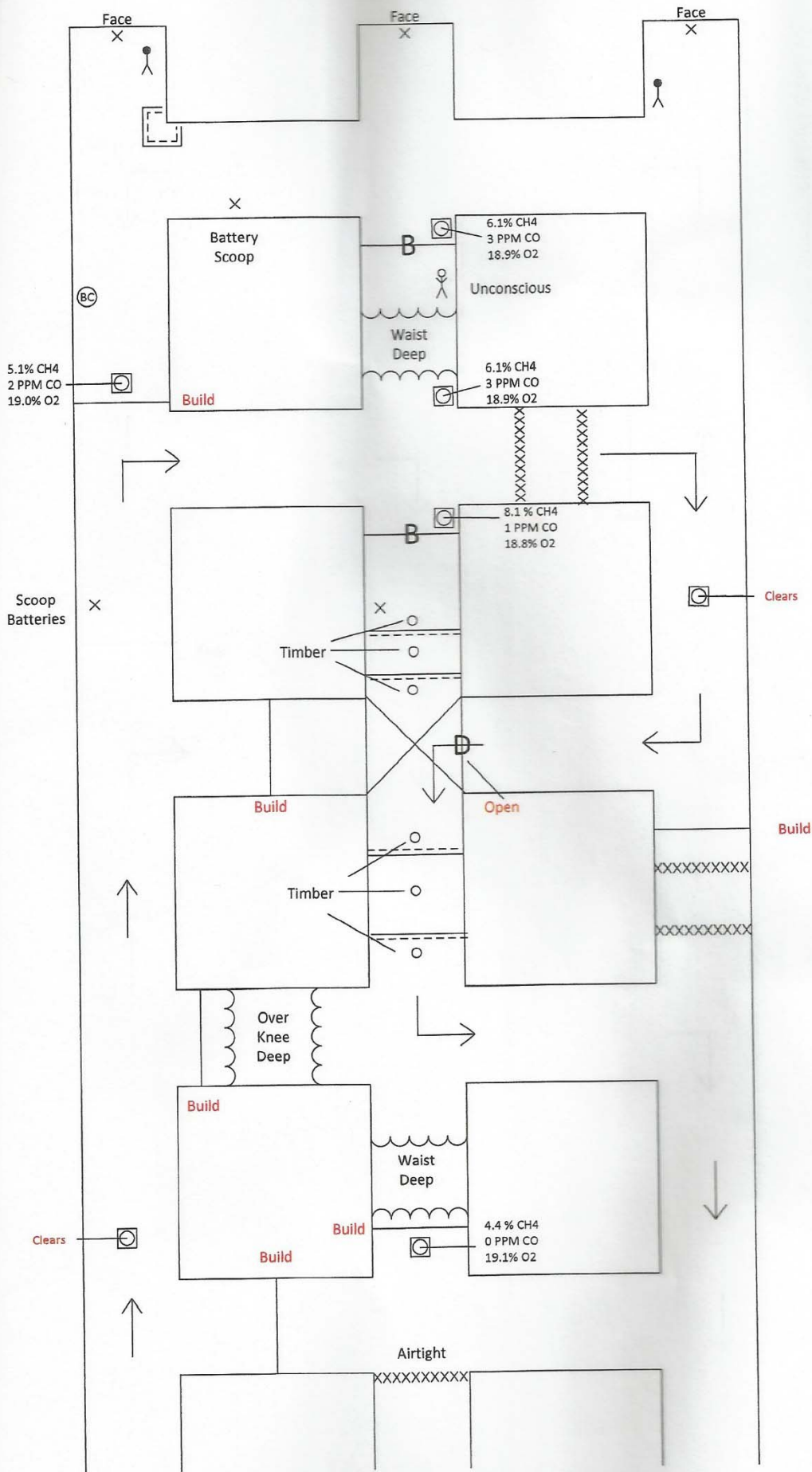
2017 SWVMR Day One Problem 3rd Vent Change



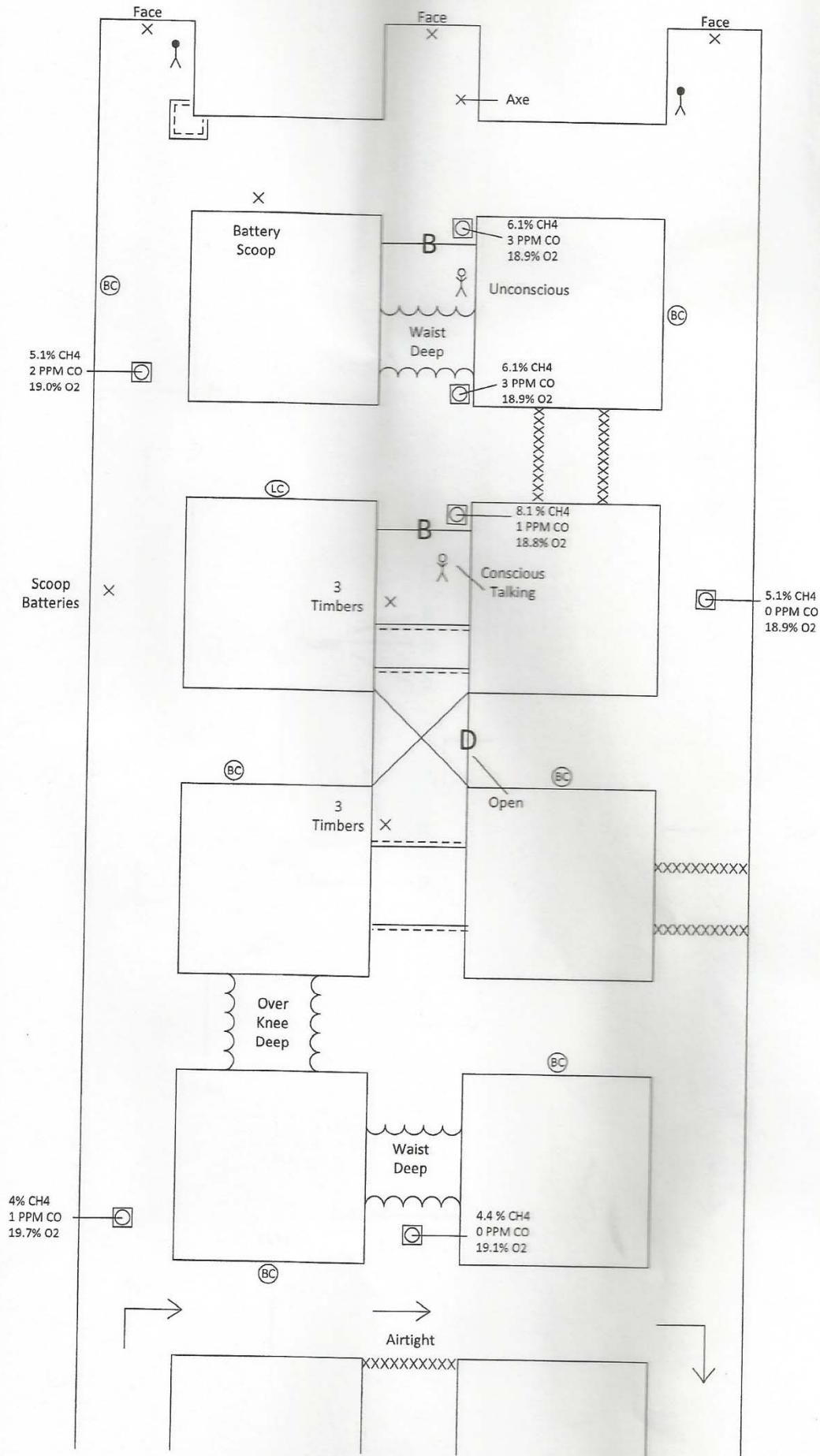
2017 SWVMR Day One Problem 2nd Vent Change

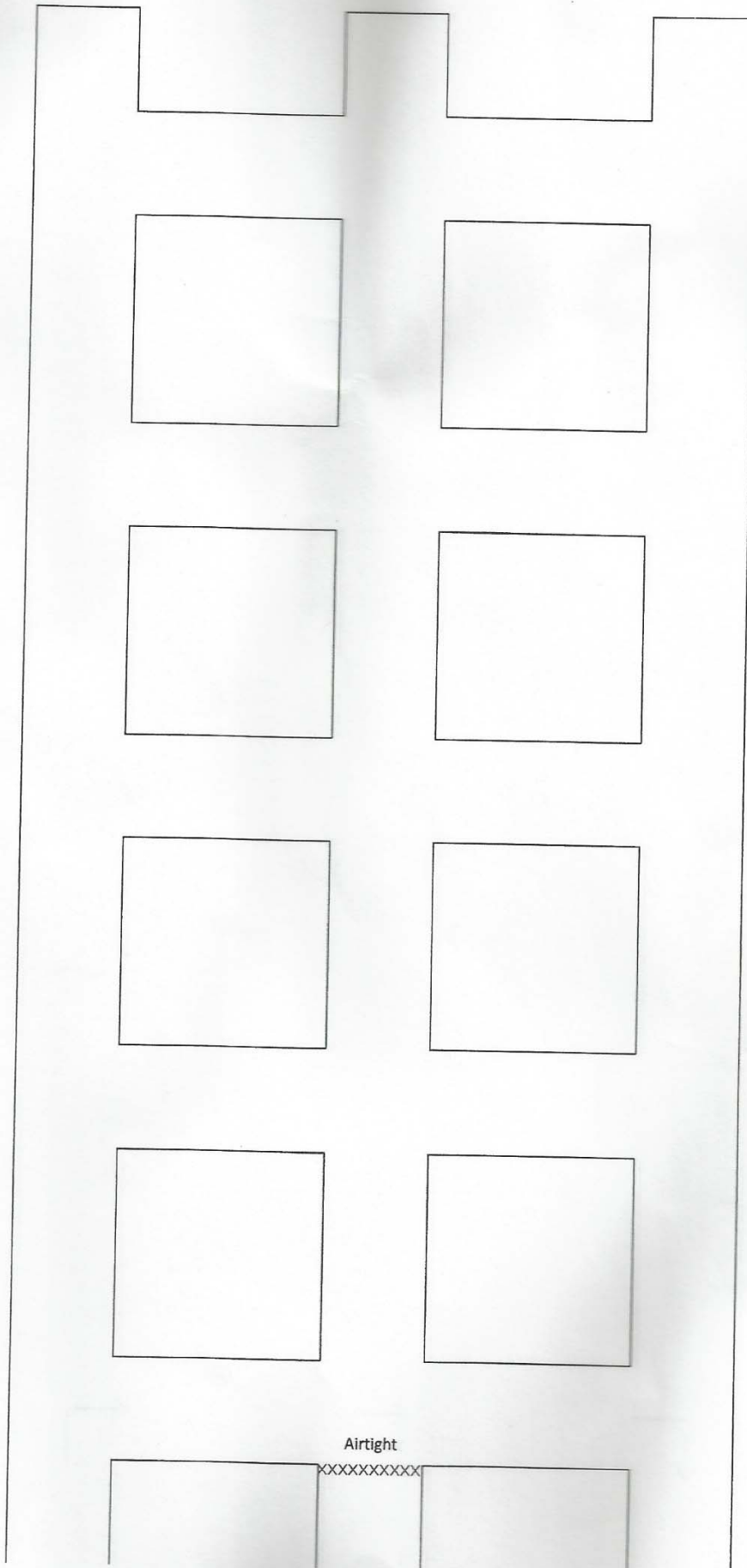


2017 SWVMR Day One Problem 1st Vent Change



2017 SWVIMR Day One Problem





- Patient Behind barricade inby 2nd crosscut

Help get me out!!!!

- Same patient inby unsafe roof inby 2nd crosscut.

Help get me out I have an airtight barricade behind me!!!

Problem

- You are located underground and air coursing the fresh air base and air returning out No. 3 entry to the fan
- All outby areas have been explored and are safe to ventilate through
- Explore the entire mine
- Account for the four missing miners
- The exhaust fan cannot be stopped, stalled or reversed
- The mine map is up to date
- The team can carry only two brattices while traveling

SWMR CONTEST Day 1

Statement

Thanks for answering our call for help. You will be located underground at the Big Boy No. 1 Mine. We have lost contact with four miners who were doing work on the section. Big Boy is ventilated by an exhaust fan located off the No. 3 entry.

The mine has been explored to the fresh air base and all outby areas are safe to ventilate through. All power is off inby the fresh air base.