

Welcome to the 52<sup>nd</sup> Consecutive Virginia Mining Institute  
Safety Day Contest  
2018



"Mine Safety Through Education And Training"

VIRGINIA MINING INSTITUTE

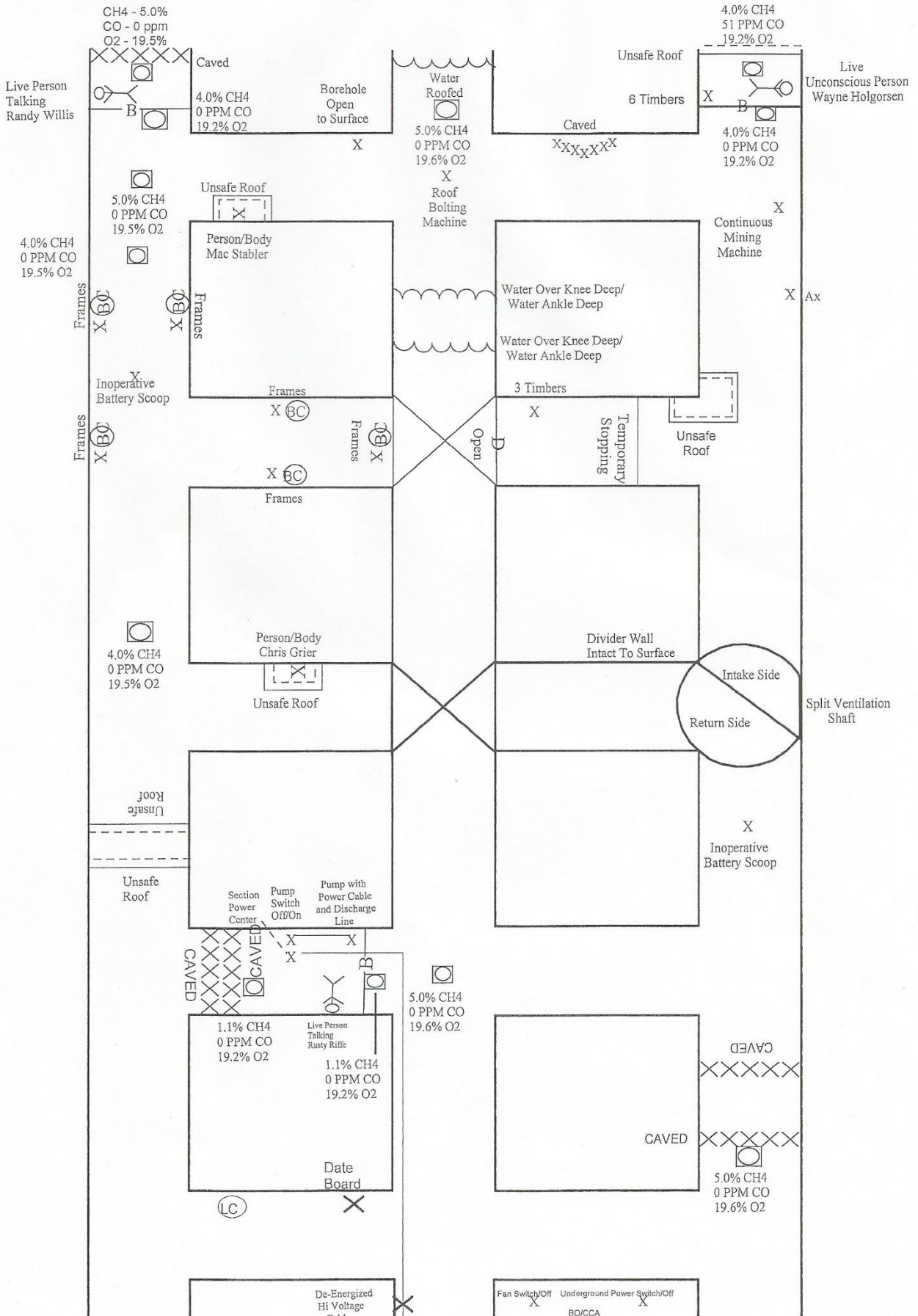
**Day 2**



SAFETY FIRST

# Virginia Mining Institute

## V-2-18



V-2-18  
Statement

Thank you for answering the Virginia Mining Company's No. 9 Mine call for help.

You will be located underground at the Fresh Air Base established by another mine rescue team. It is safe to use areas outby the Fresh Air Base for ventilation purposes.

Outby areas and the section are ventilated by an exhaust fan on the return side of a split ventilation shaft located in the number 3 entry. All entries outby the FAB are intake entries. The fan is currently off, but can be started by contacting the Command Center. Electrical power to the underground area of the mine has been de-energized and locked out on the surface, but can be energized by contacting the Command Center. The fan switch and switch for underground power are located in the Command Center.

Last night at 12:01 AM, five miners entered the mine. At 3:00 AM, the mine fan lost power. The outside person was unable to contact the section crew to notify them.

Subsequent attempts to contact the miners have been unsuccessful.

The mine has a history of methane, bad roof, and water. The mine maps are not up-to-date. Both agencies have been notified and are present. A backup mine rescue team is present. We have a competent lifeline judge available. Two blank maps and the team's written instruction will be provided when you are ready to begin working.

**V-2-18**  
**Team Instructions**  
**Problem**

- Rescue all live persons and bring them to the surface.
- Account for all missing miners.
- Once started the mine fan cannot be stopped, stalled, or reversed.
- Once the identity of a missing miner is known, the name must be called out to the command center prior to the team moving from that team stop.
- The team cannot move any ventilation control that is anchored to the ground.
- A time limit of 90 minutes has been established for this problem. The team will be advised 10 minutes prior to this time limit expiring.

**Virginia Mining Institute**

**V- 2 – 18**

**Patient Note #1**

**(Patient Rusty Riffe Behind barricade at caved area between  
No. 1 and 2 entry)**

**“Help, Help, get me out”.**

**Virginia Mining Institute**

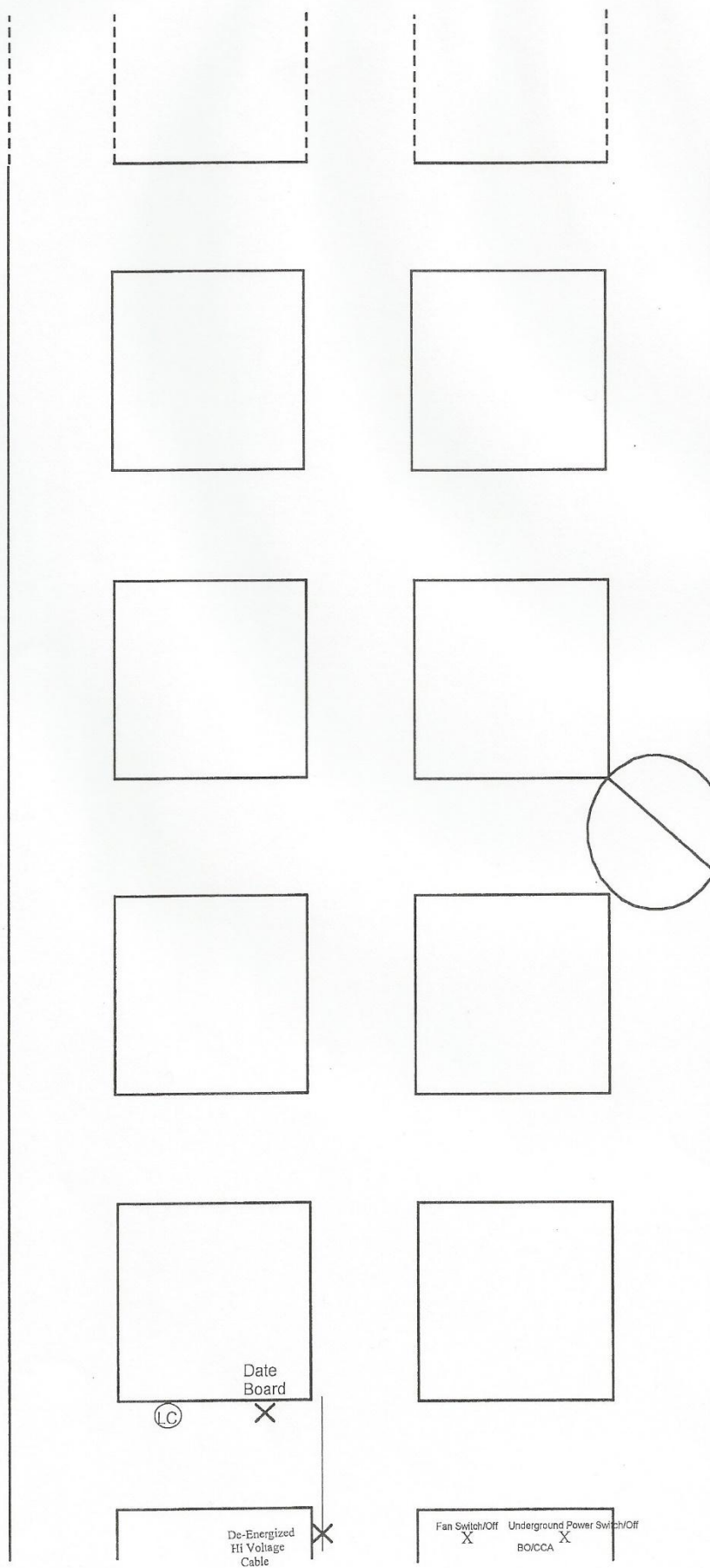
**V- 2 – 18**

**Patient Note #2**

**(Patient Randy Willis Behind barricade in No. 1 entry)**

**“Help, Help, get me out”.**

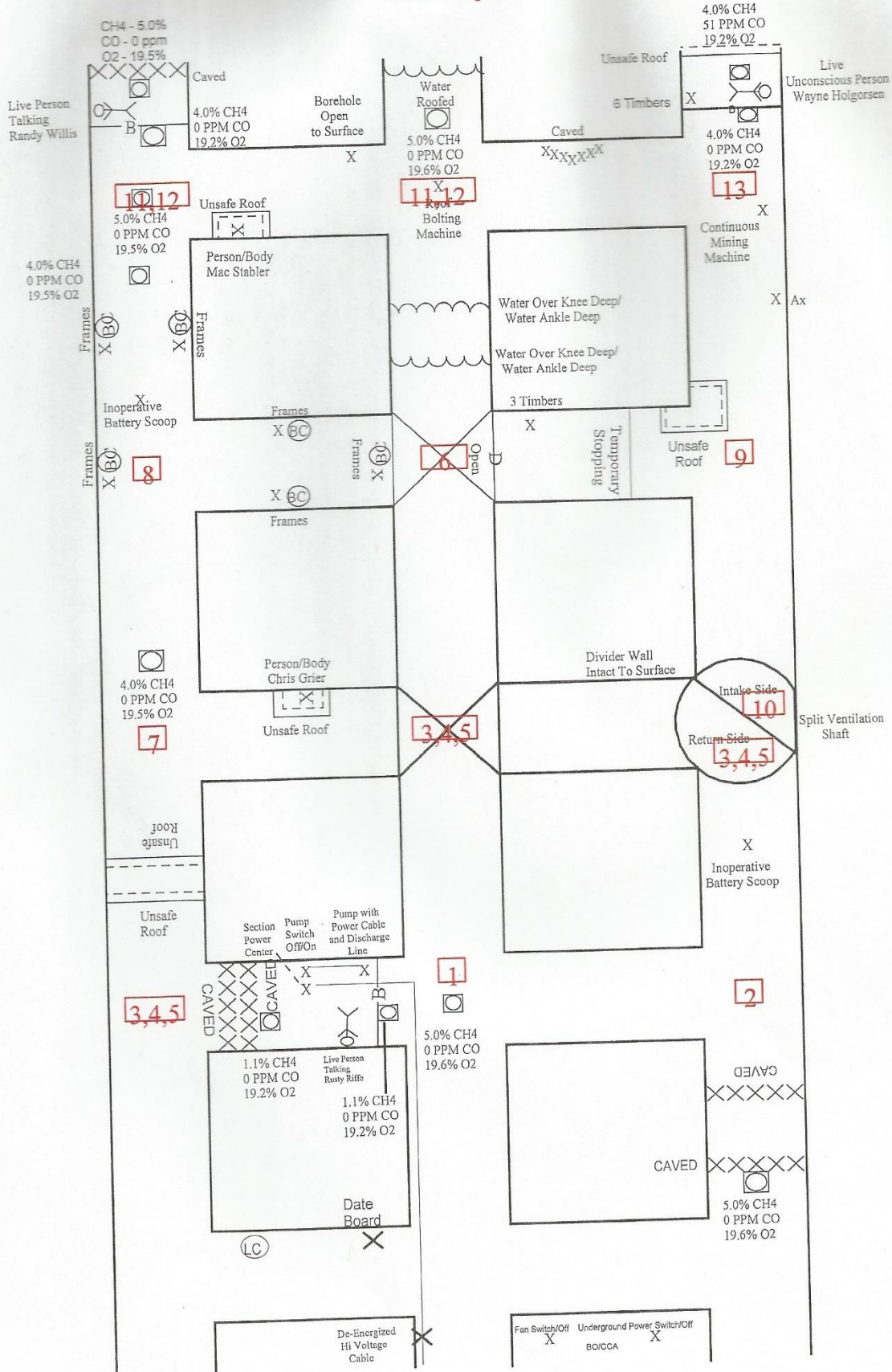
Virginia Mining Institute  
V-2-18



# Virginia Mining Institute

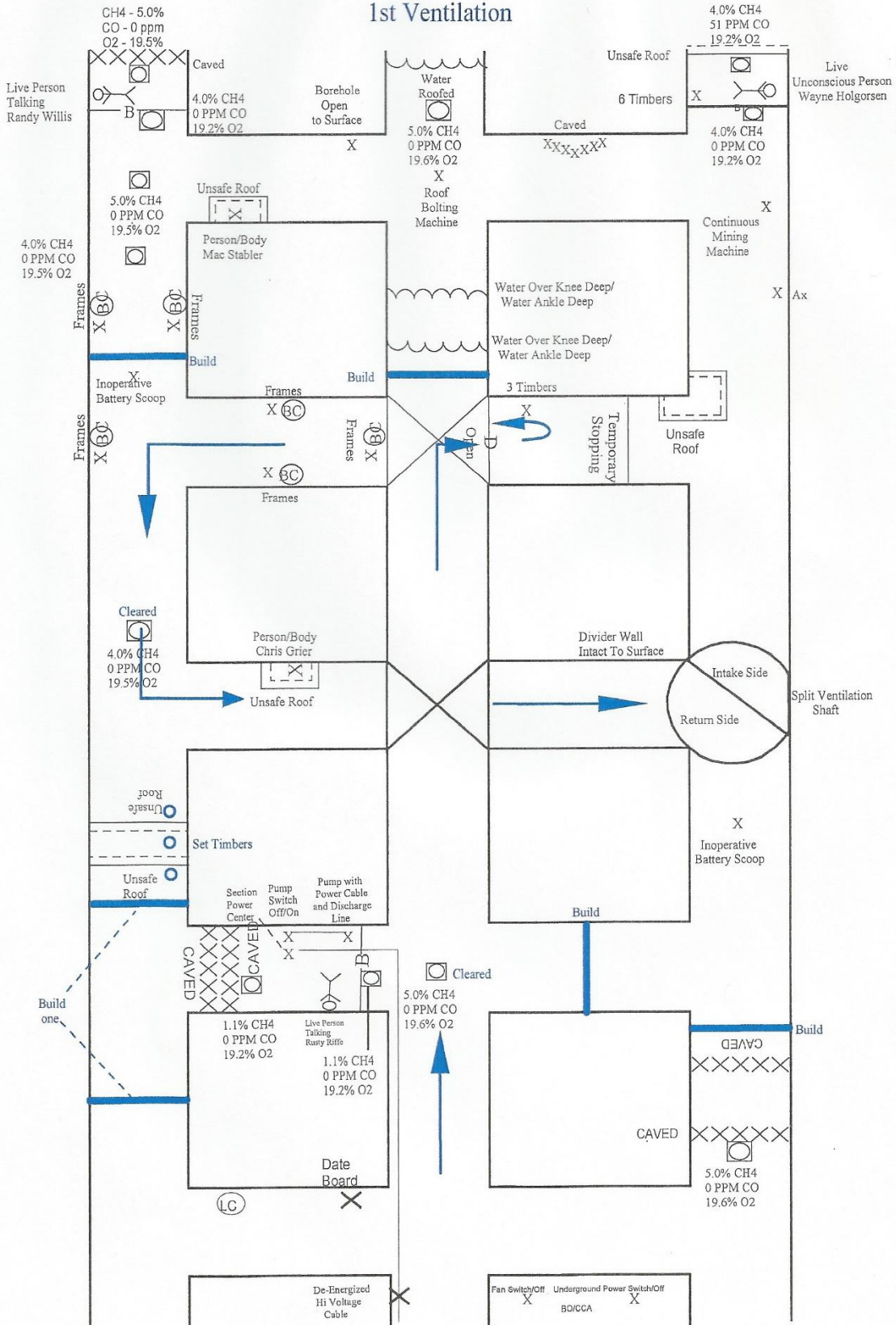
## V-2-18

### Team Stops



# Virginia Mining Institute V-2-18

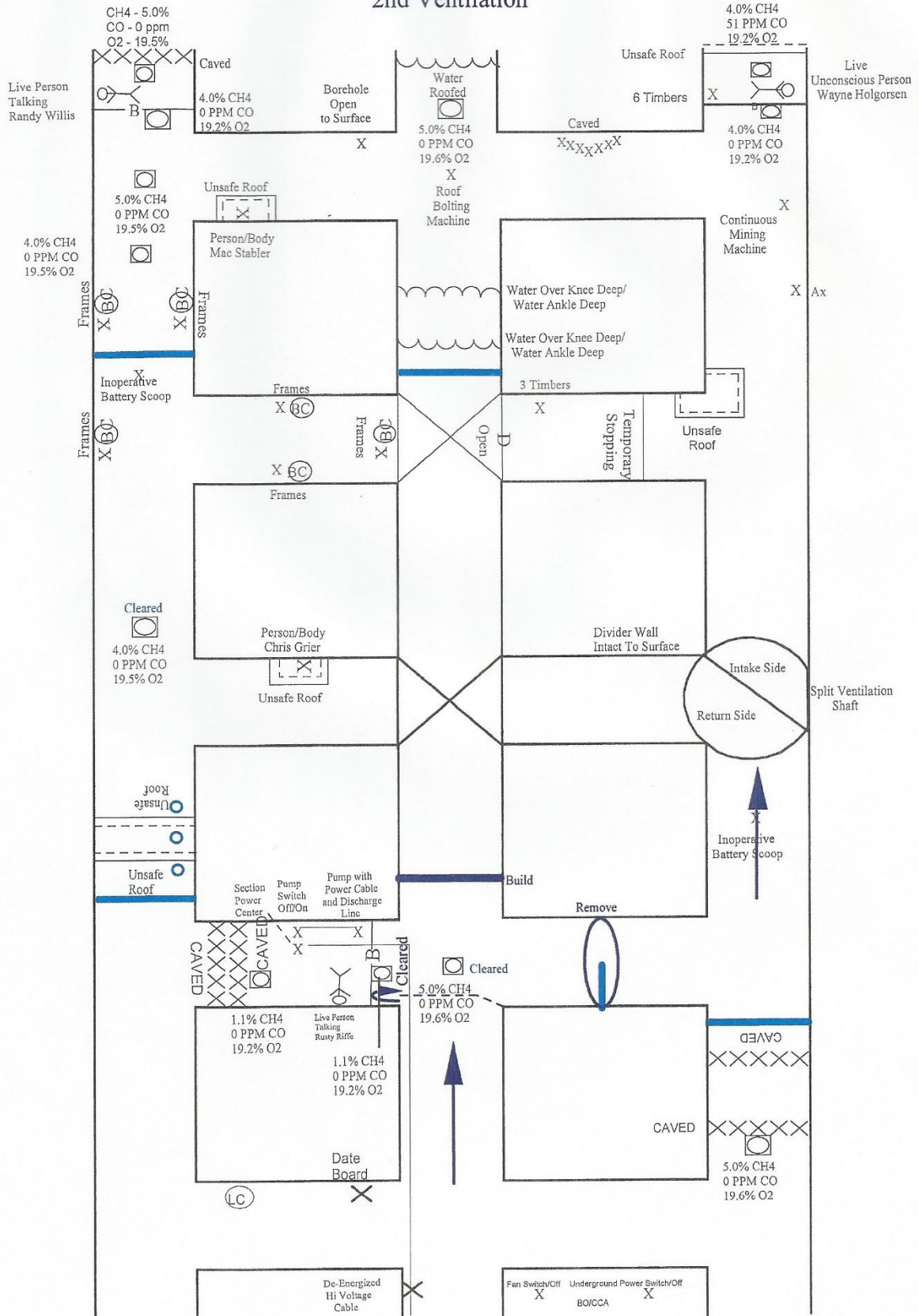
## 1st Ventilation



# Virginia Mining Institute

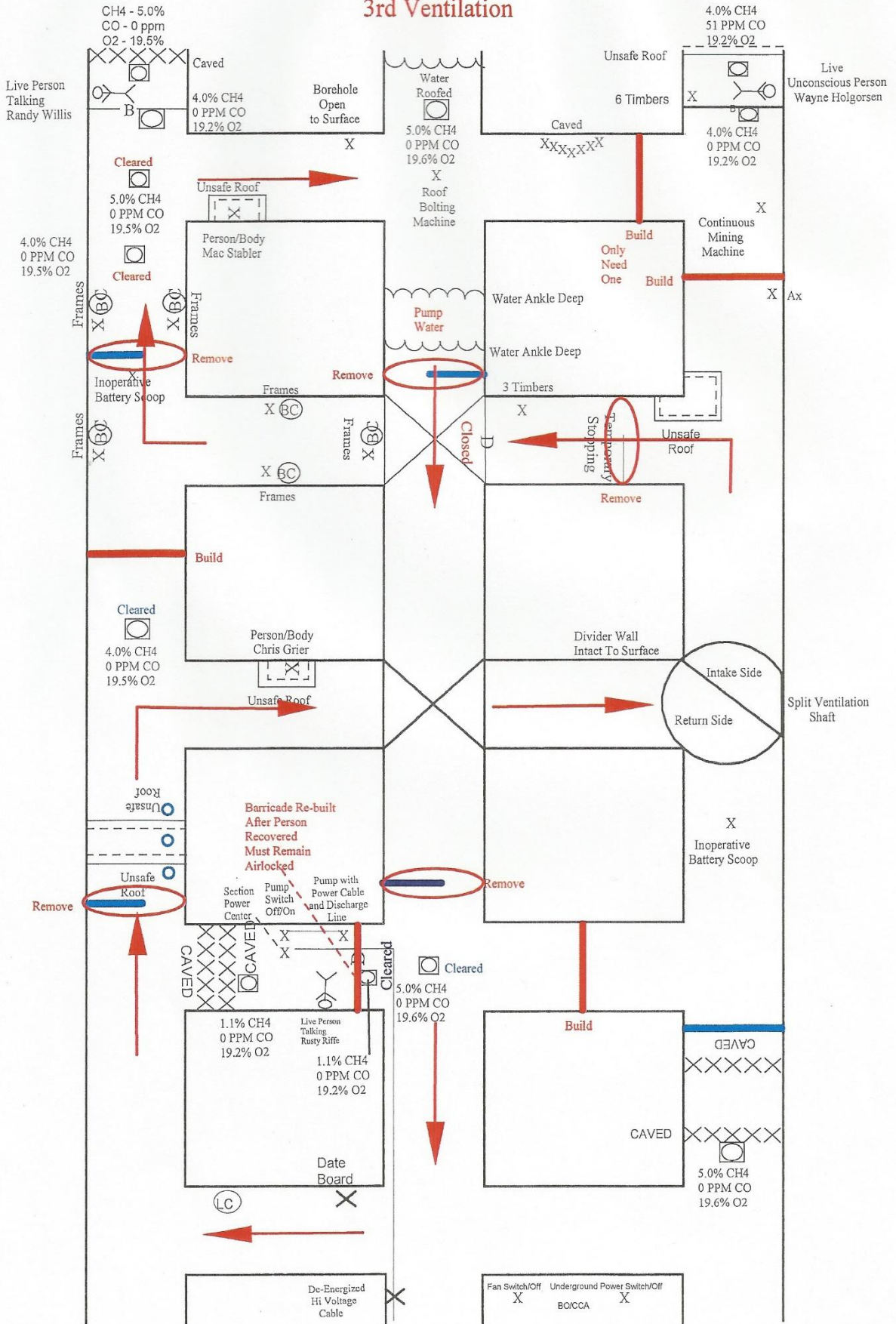
## V-2-18

### 2nd Ventilation



# Virginia Mining Institute V-2-18

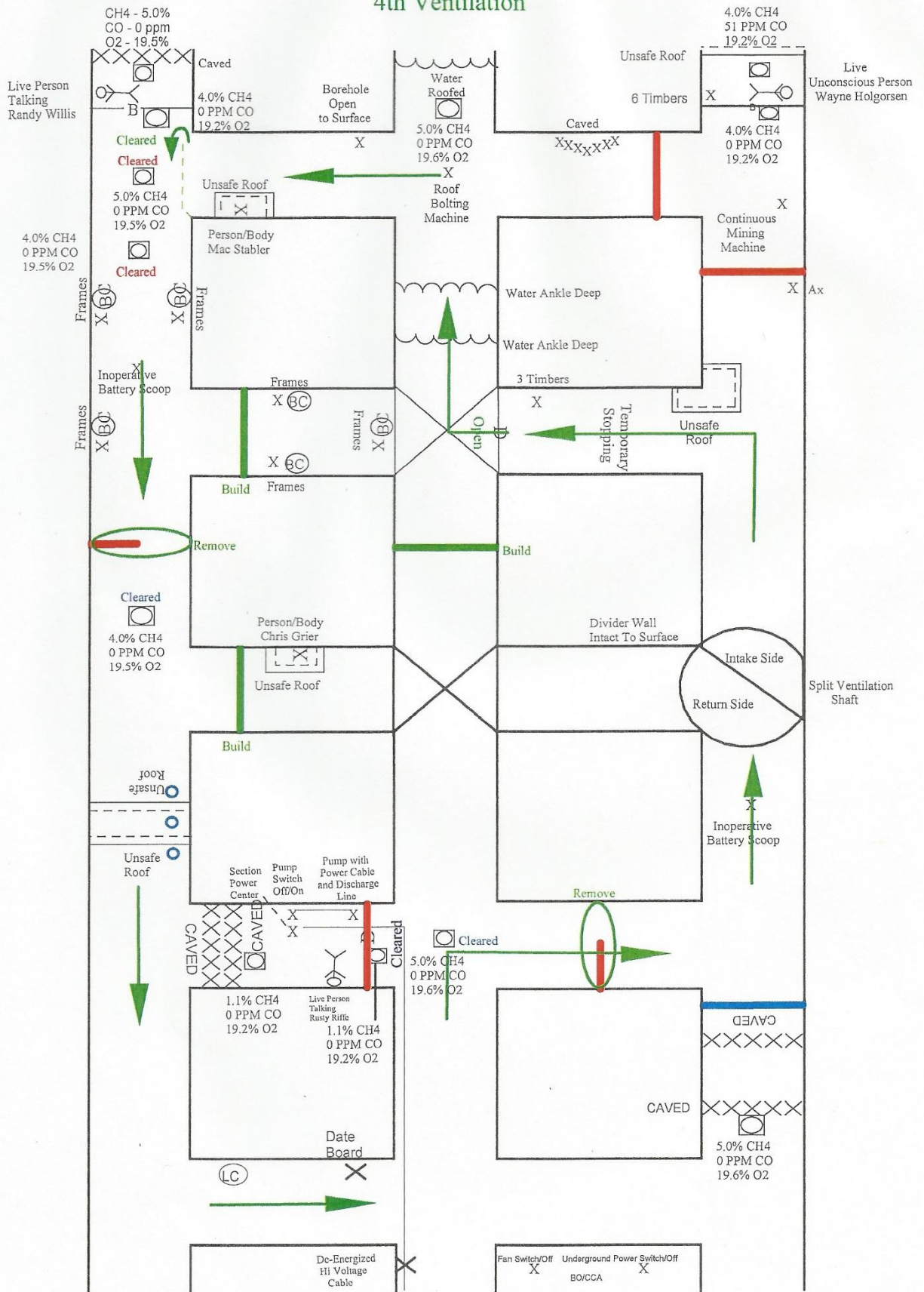
## 3rd Ventilation



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## V-2-18

### 4th Ventilation



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## V-2-18

### 5th Ventilation

