

Day Two

Statement

Welcome to the Lost Cause Mine. You are at the mouth of 2 Left a 3 entry development section off of South Mains. 2 Left has just cut into an airshaft in #2 entry.

A six person crew entered 2 Left to do clean up around the airshaft and then run coal. A short time later, one of the crew called the ams operator in distress asking for help, but the phone went dead. We have had no contact since then. Mine rescue teams have explored up to this point and established the fresh air base. Air is currently coming up #3 entry across the fresh air base and out #1 entry.

The mine maps are up to date with intake air shaft indicated on the map. The section is ventilated by an exhaust fan located on the surface. It must remain on to ventilate the rest of the mines and it cannot be reversed.

The section has a history of bad top and methane accumulations. Water also accumulates in dips and low areas. We have restored power to the pump switch in the fresh air base. There is no power inby this point. There is a back up team present and state and federal agencies are on site.

Good Luck!!

Problem

Explore the entire mine

Account for all missing miners and bring survivors to the fresh air base.

Map conditions on the map as you found them and as you left them.

Begin your exploration in the #2 entry.

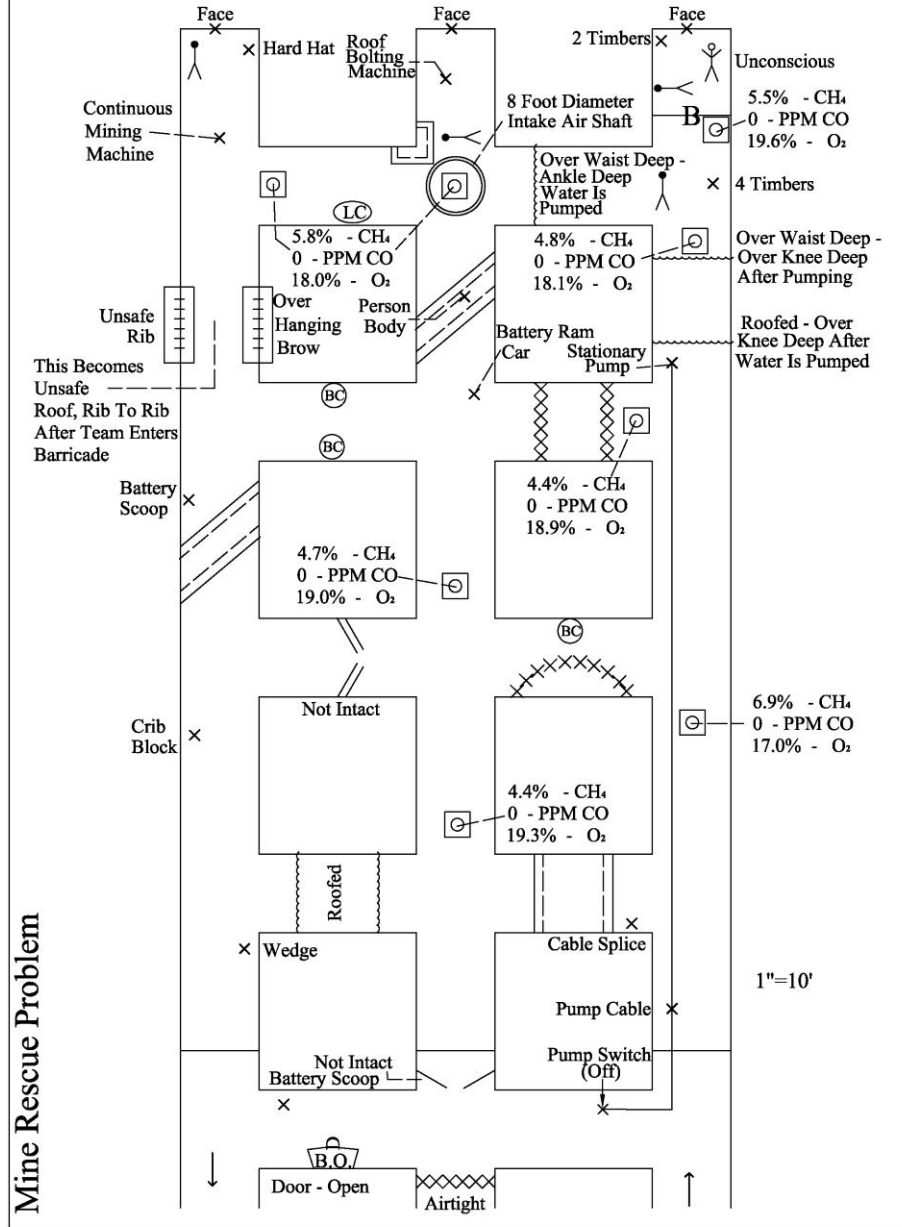
Judges Information

Once the section has been explored, team must ventilate to remove methane in #3 to allow team to energize pump cable to pump water. Team must airlock at the roofed water side of the water. After starting pump water will drop to ankle deep in 2 to 3 crosscut and over knee deep in #3. If the air shaft is not blocked low oxygen in the last open crosscut of 2 to 3 will be moved over the water over knee deep once the temporary is removed after the water is pumped. Once team discovers the 4 timbers in intersection outby barricade. Team must set timbers to touch person in diagonal unsafe roof. The person placard will be located in the middle of the 12 foot entry. Team must set 4 timbers to reach person.

After team enters barricade, the 2 bad brows in #1 will become unsafe roof rib to rib. Team must take the 2 timbers in barricade and finish timbering the diagonal unsafe roof to exit the mines. Team will maintain communications and be allowed to pull cable clack thru unsafe roof to allow them to advance out #2. Since there is low O₂ in half of the intersection on the back side of the diagonal temporary at the batter ram car. Patient must be under air to pass thru this area.

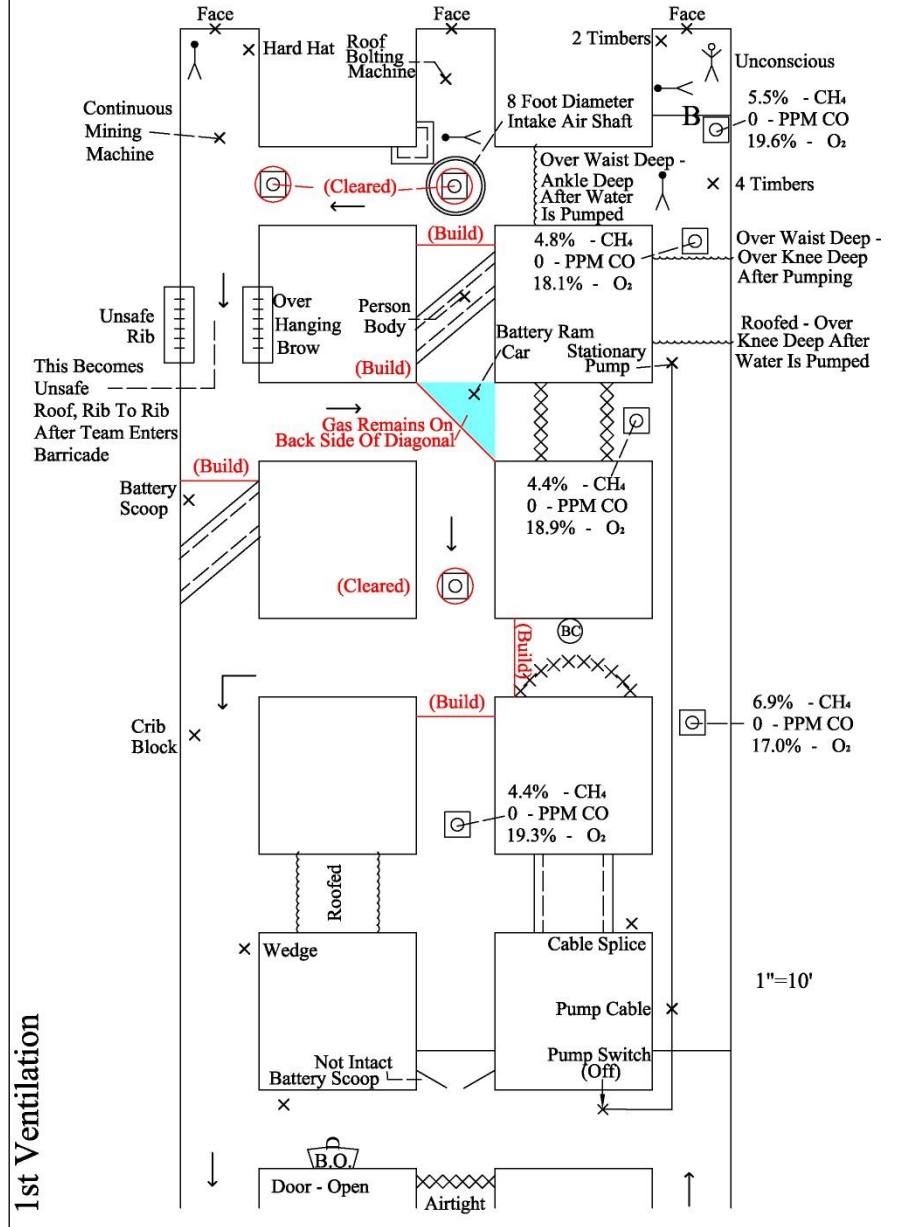
Southern West Virginia
Mine Rescue Contest
August 29, 2012
Day 2

Team No. _____ Mine No. _____



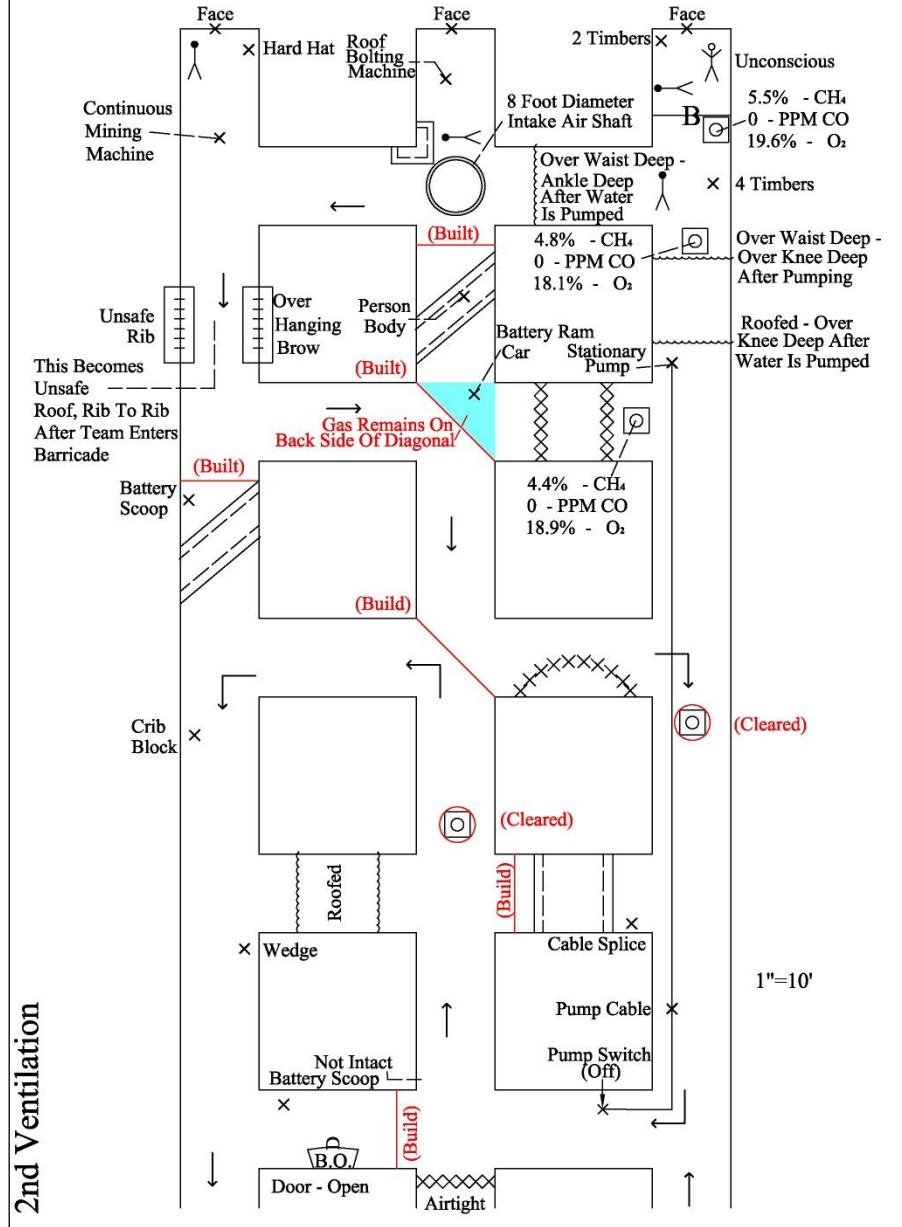
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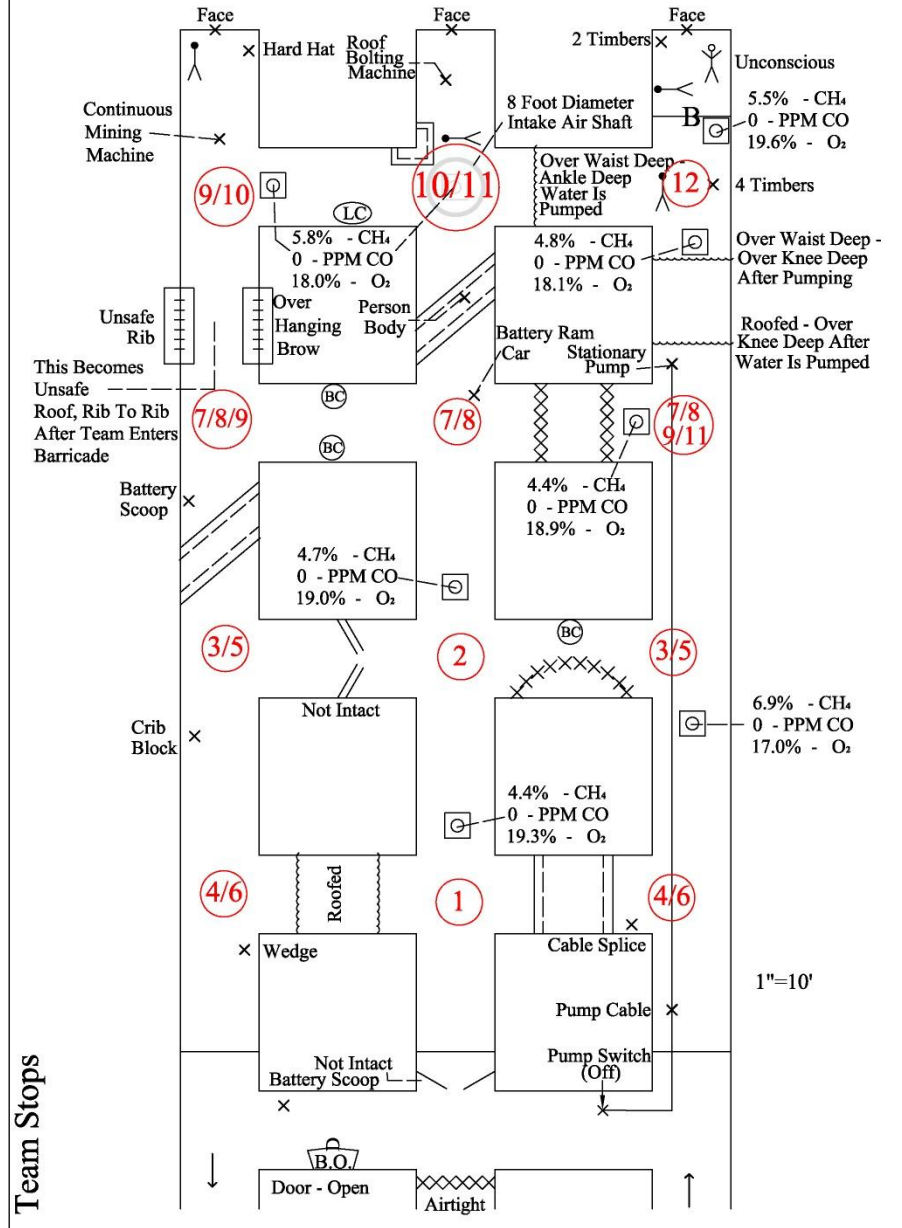
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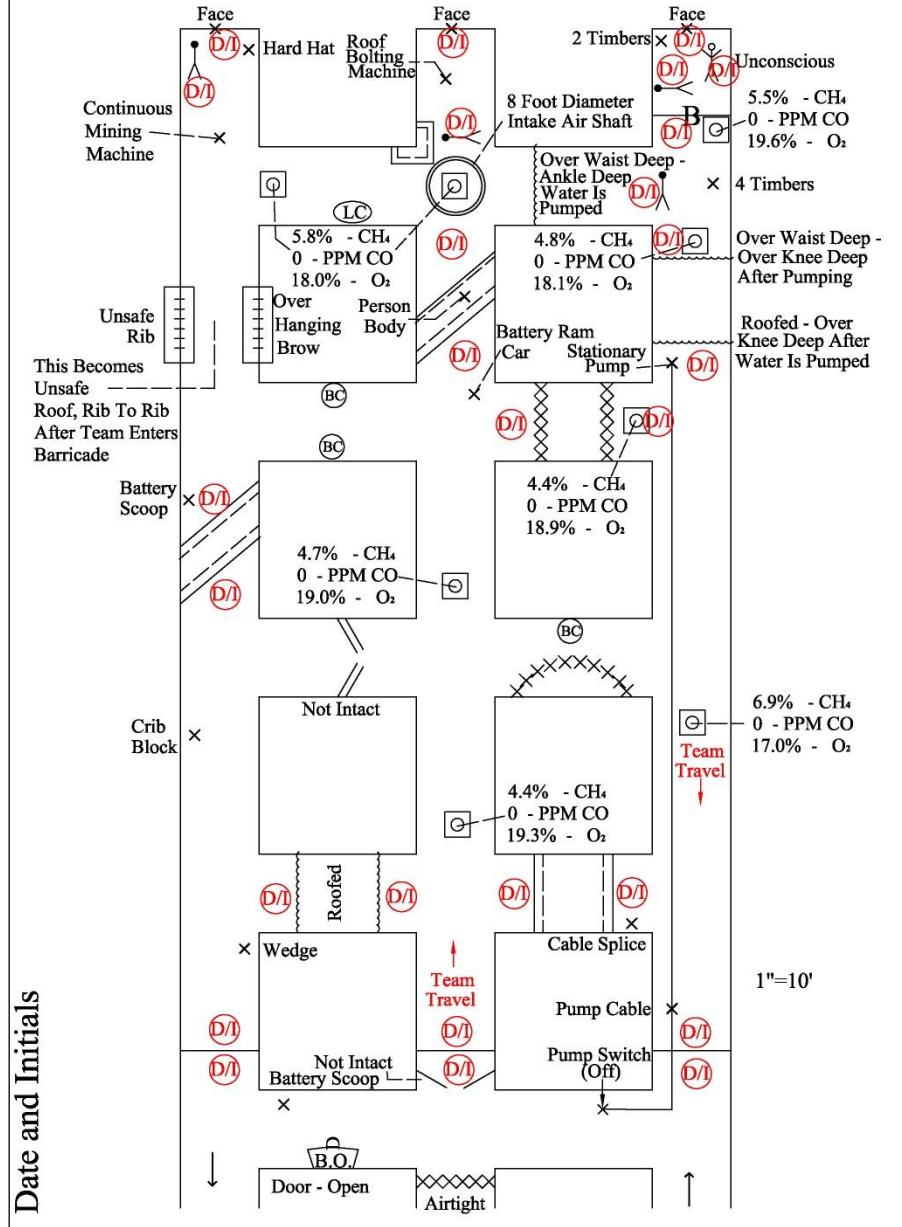
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Team Stops

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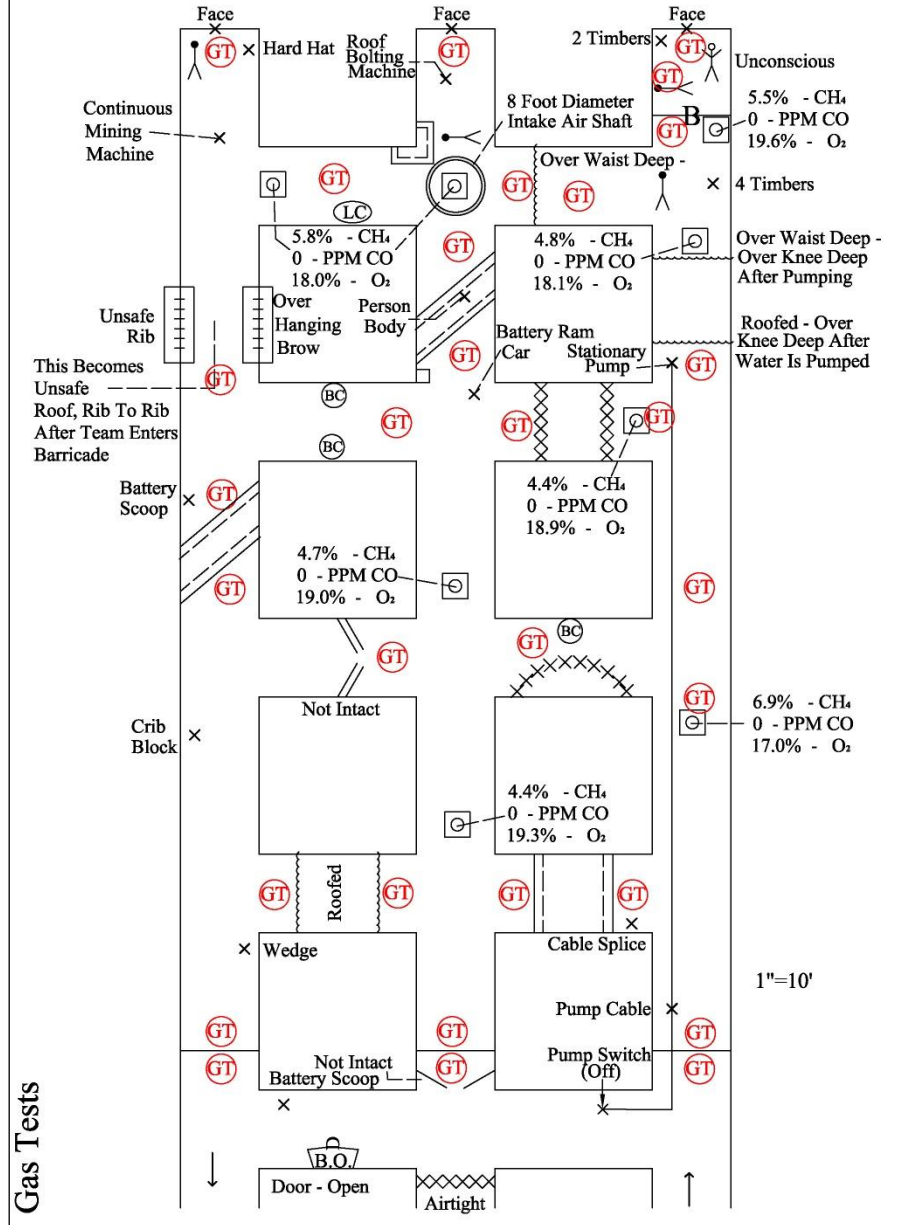
Team No. _____ Mine No. _____



Date and Initials

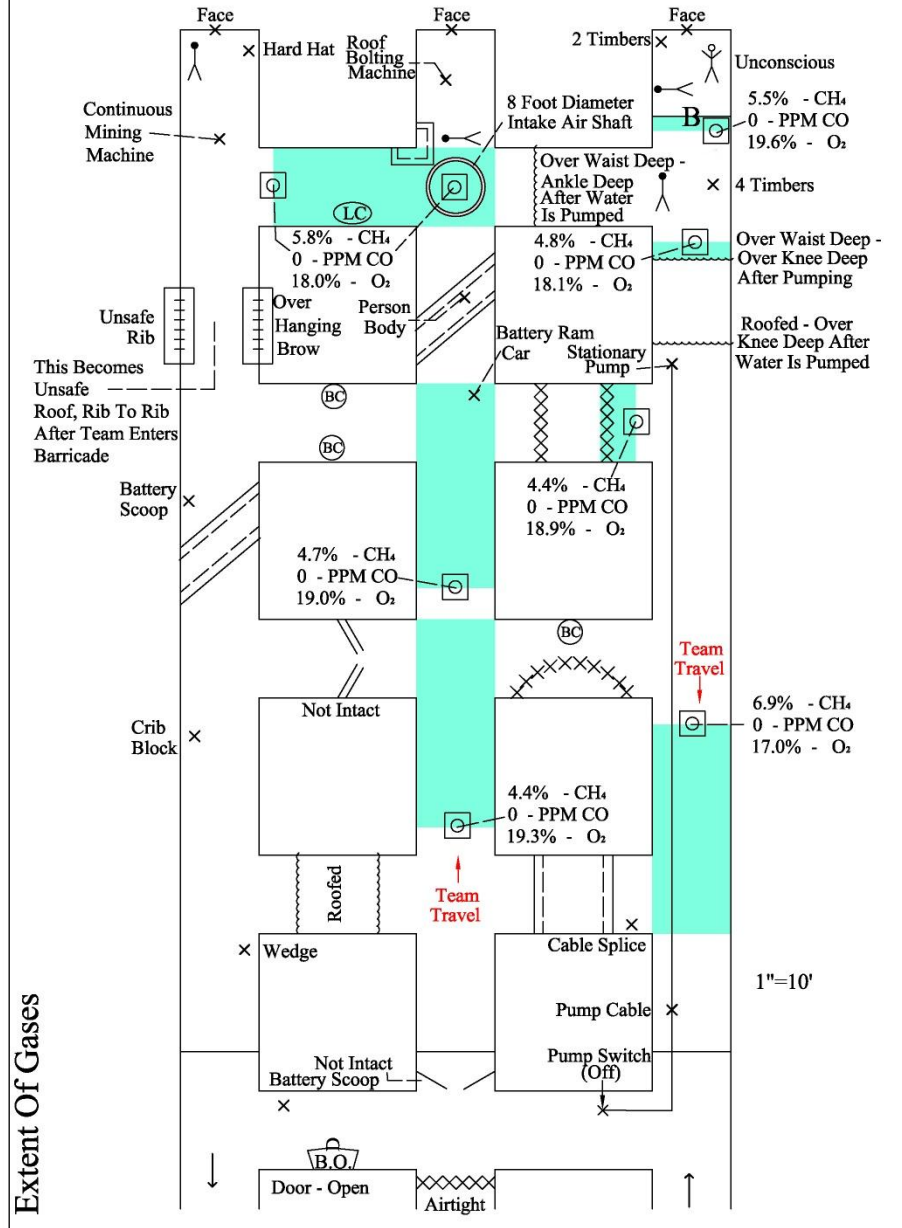
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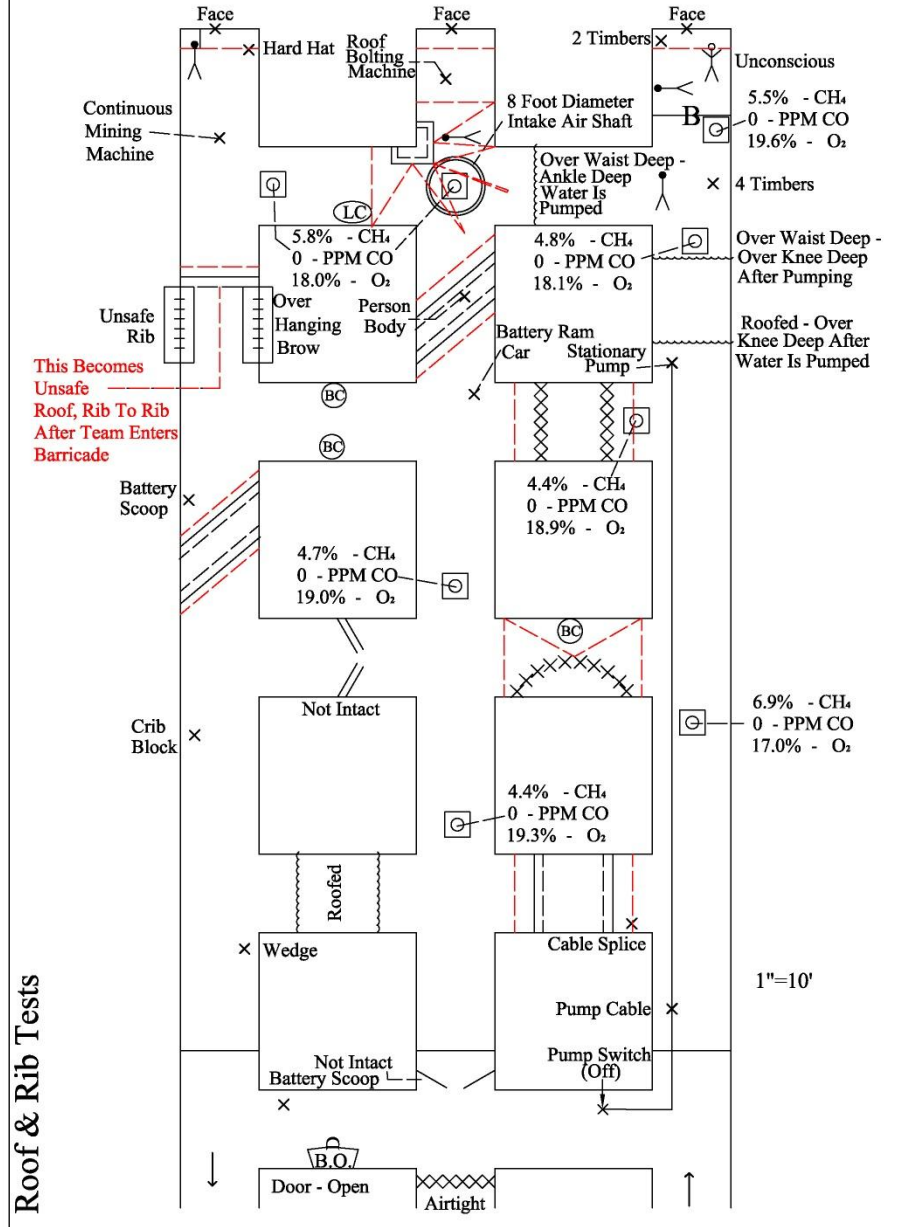
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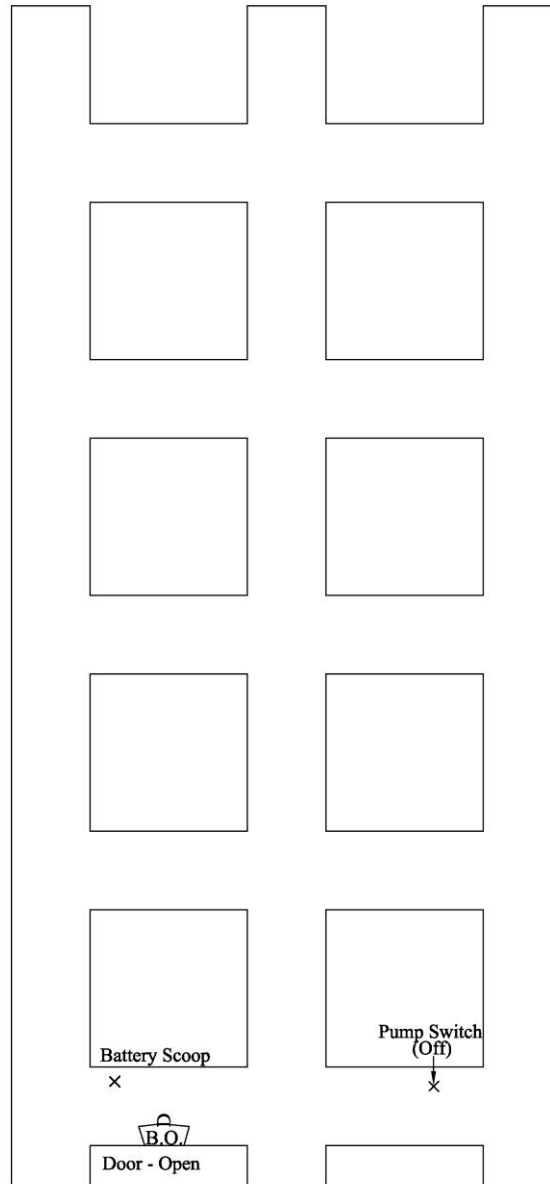
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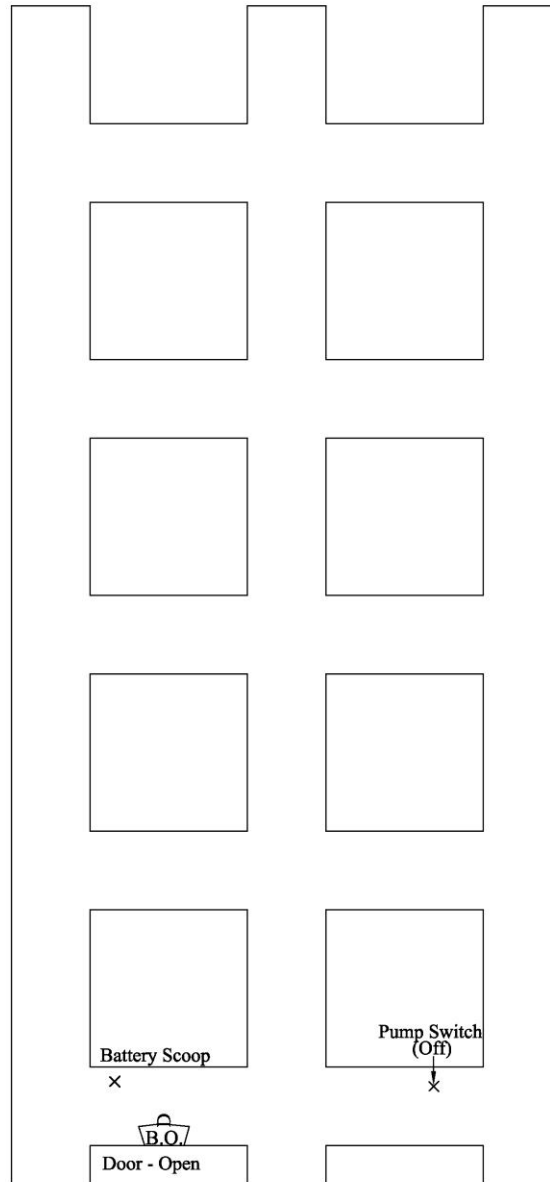
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B.O. Map

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Team Map

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