

ANNUAL POST 5

MINE RESCUE

CONTEST



August 15, 2012
Mylan Park
Morgantown, WEST VIRGINIA

2012 Post 5 Mine Rescue Contest

Statement

Welcome to the Dolittle Mine and thank you for responding to our emergency. This mine is a one unit mine ventilated by one exhaust main fan. The five man section crew entered the mine this morning and production began as normal. At about 11:00 AM the fan alarm activated. The fan was checked and found that the explosion doors had been blown open, and there was damage to the fan. We began attempting to contact everyone underground without success. We then began notifying mine rescue teams and the authorities. At about 1:00 PM the section foreman came to the surface and said he had been walking the belts when there was a tremendous rush of air that knocked him down and apparently knocked him out. When he regained consciousness there was a lot of dust in suspension. He was disoriented and could not see very far; he just followed the beltline to the surface.

Mine Rescue teams have explored to within a few breaks of the section faces and have established a fresh air base where you now are.

We were going to complete mining in the section today. Yesterday we intersected the 3-foot bleeder shaft in No. 2 entry. We plan to install a bleeder fan on this shaft for second mining, but it has not yet been installed.

We are mining near the Second Left sealed area. This area has just recently been sealed off from the active area of the mine; however the bleeder shaft within the sealed area has not yet been sealed and is still open to the surface.

The main fan is currently off and is being repaired which should be completed shortly. The fan can be turned on, stopped or reversed by notifying the superintendent.

The briefing officer's designated area is located in the fresh air base. The briefing officer's area becomes a self-contained, airtight chamber when the door is closed. To accomplish this, attach the curtain on the briefing officer's blind on both sides.

The mine is walking height, and we have encountered adverse roof conditions, water and methane. All electrical circuits have been de-energized, locked and tagged out inby this point.

You will have a maximum of 80 minutes to work the problem. Mine maps (up-to-date as of the end of midnight shift this morning) and the written problem will be given to you when you are ready to begin.

**2012 Post 5 Mine Rescue Contest
Problem
(Written Instructions)**

**EXPLORE ALL AREAS OF THE
MINE THAT CAN BE SAFELY
EXPLORED**

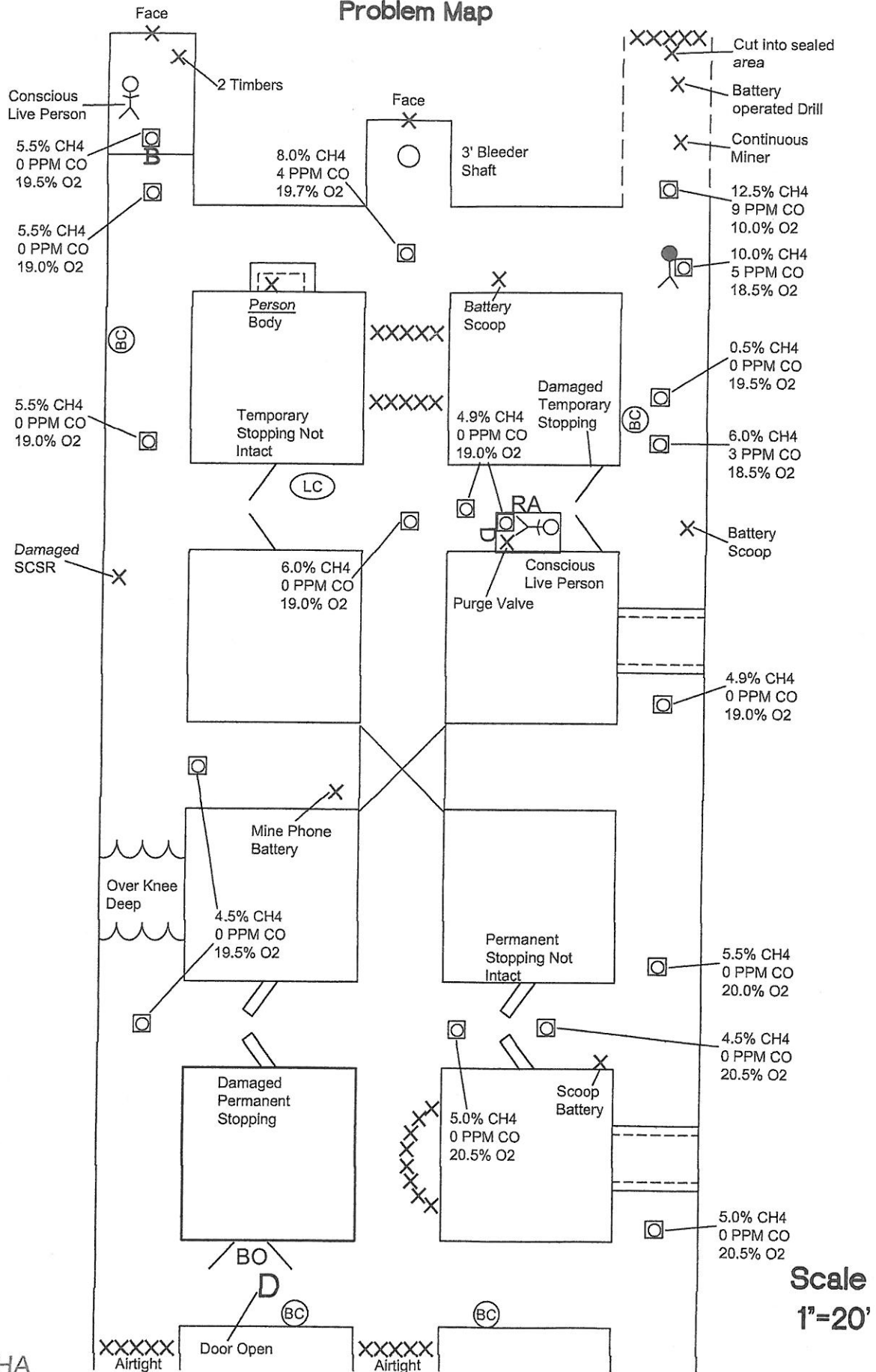
**ACCOUNT FOR ALL MISSING
MINERS AND BRING SURVIVORS
TO THE FRESH AIR BASE**

**THE TEAM MAY NOT CARRY
MORE THAN TWO (2) BRATTICE
CURTAINS AT ANY ONE TIME**

**YOU HAVE A MAXIMUM OF 80
MINUTES TO WORK THE
PROBLEM**

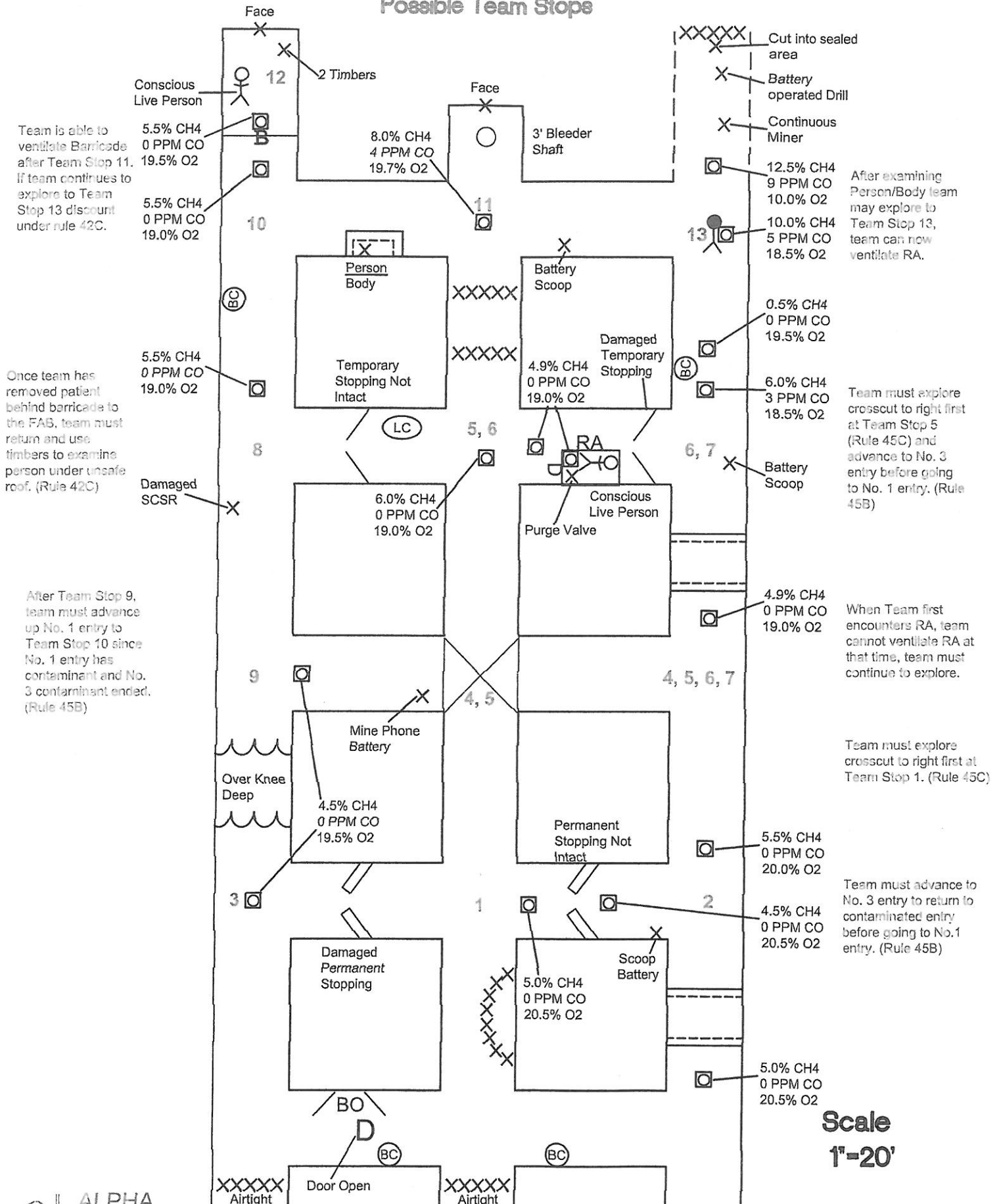
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Problem Map



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Possible Team Stops

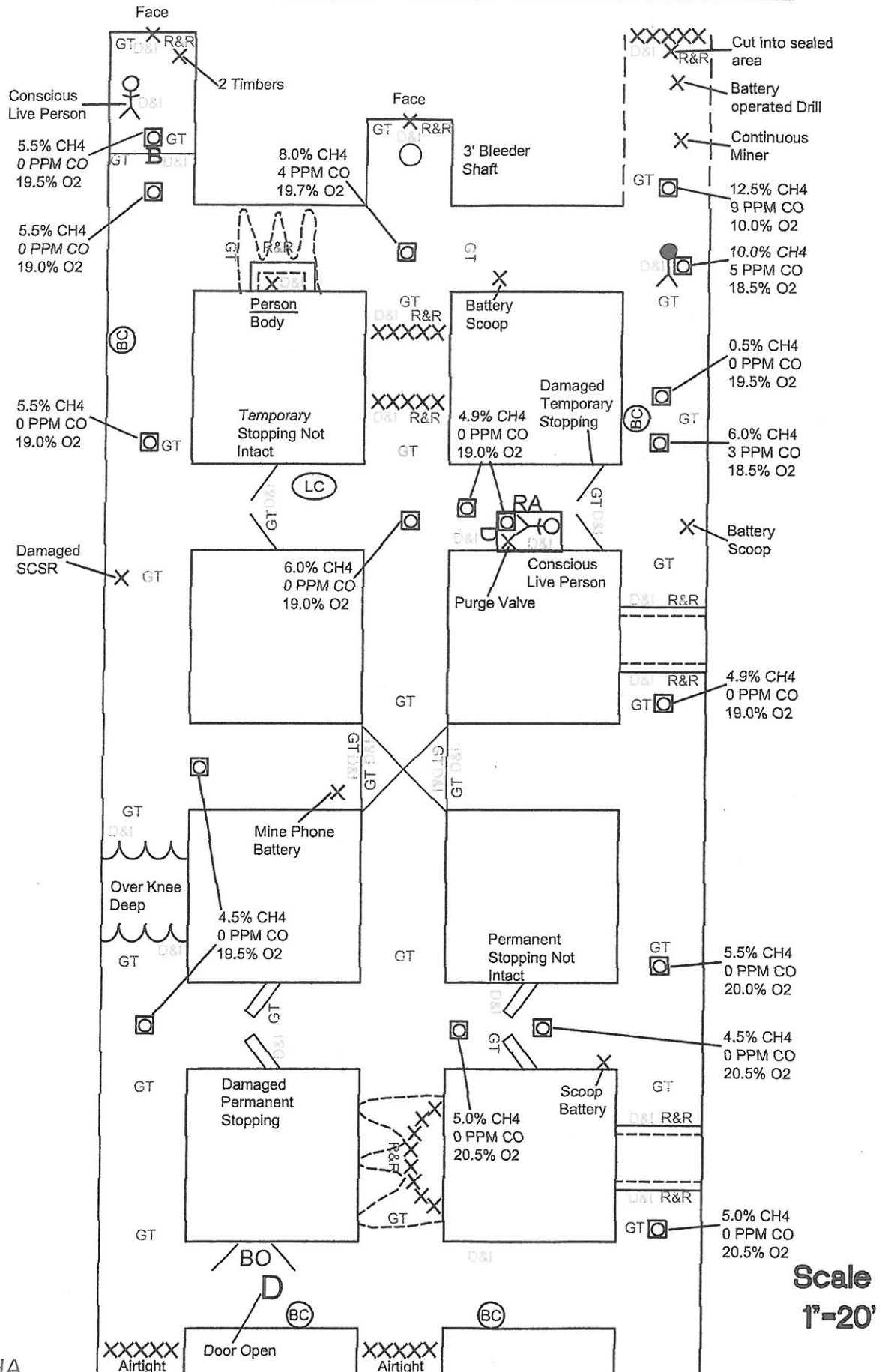


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R&R Roof & Rib Test

GT CH₄-O₂-CO Test

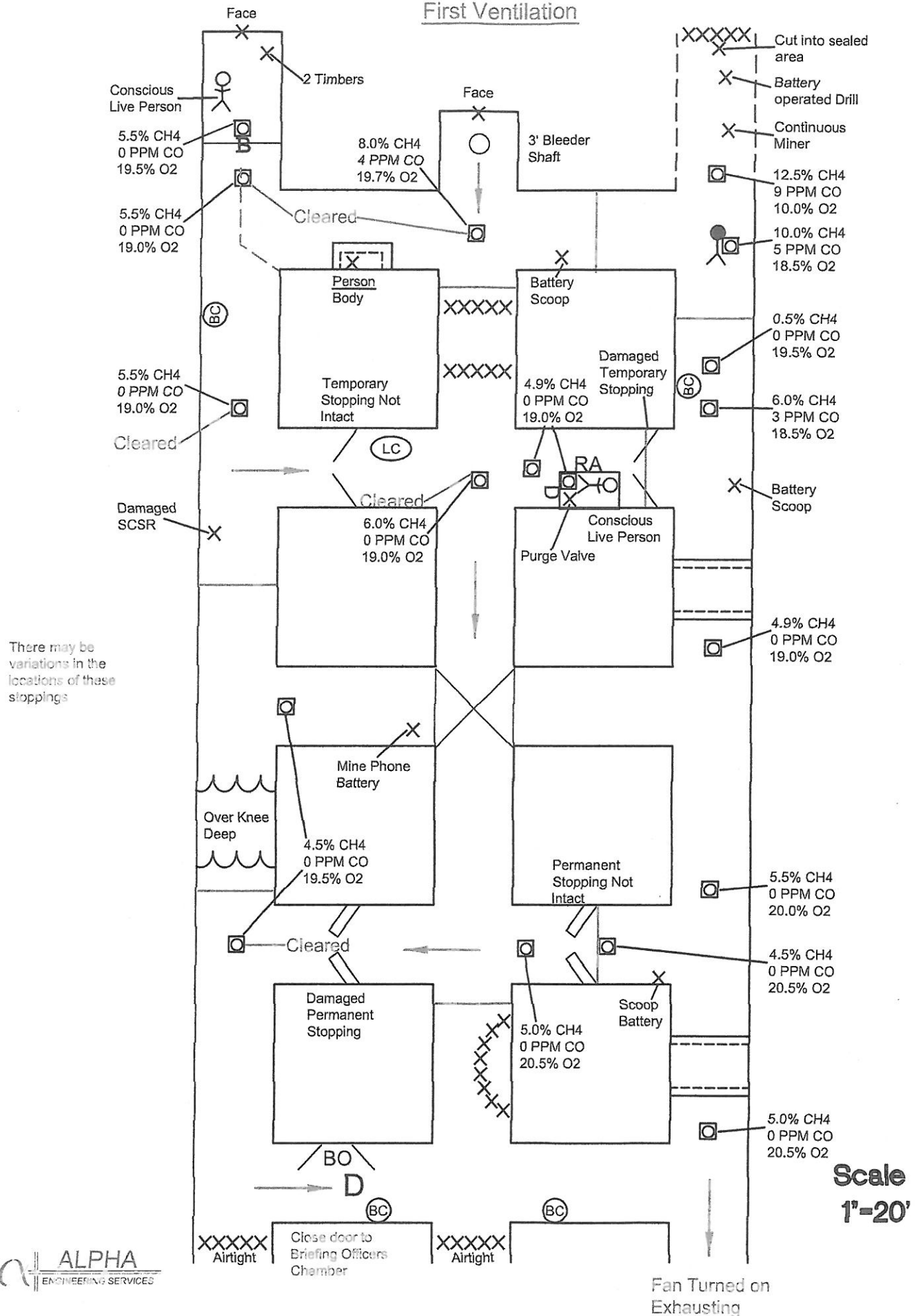
D&I Date & Initial



Scale
1"=20'

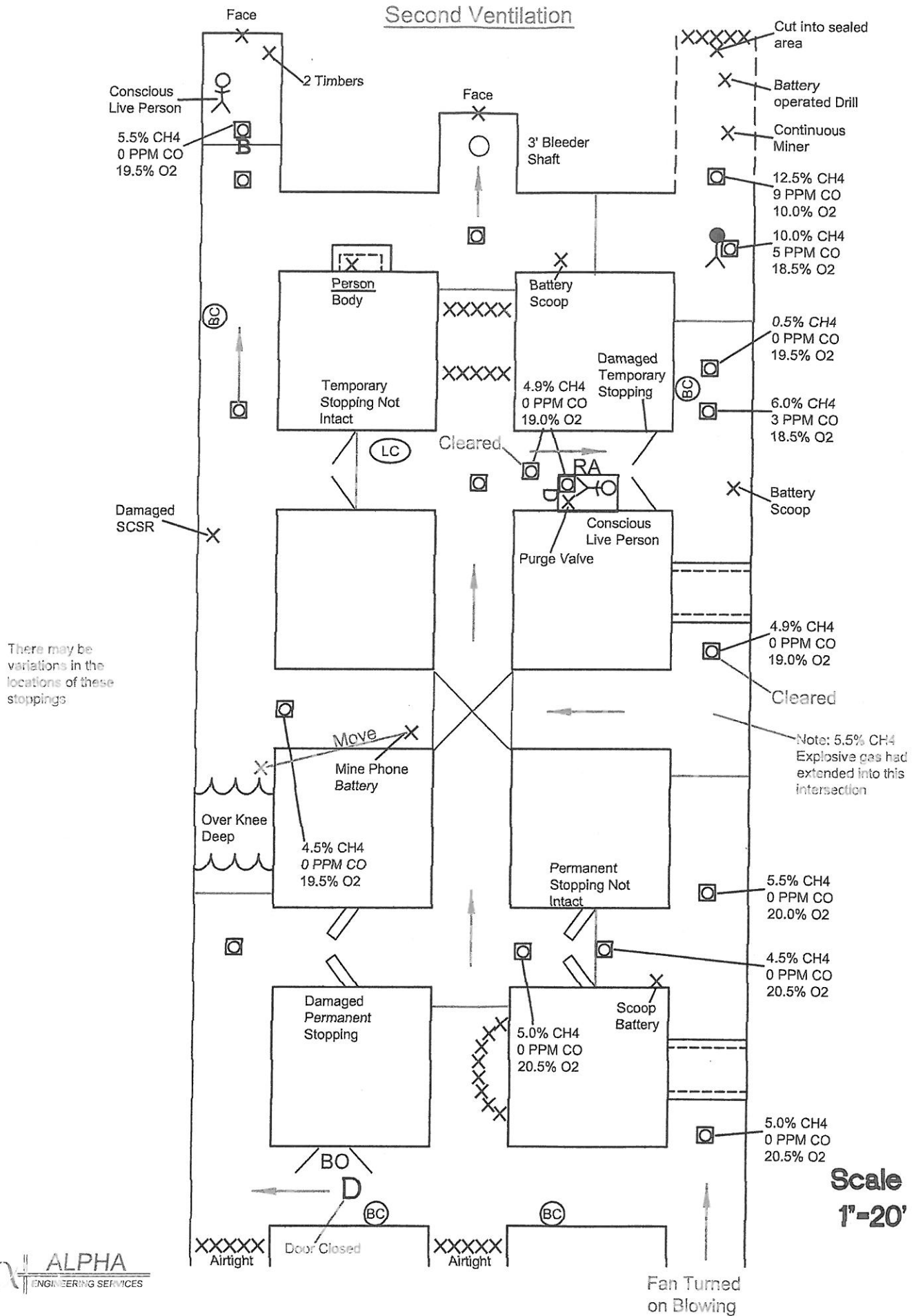
2012 Post 5 Mine Rescue Contest

First Ventilation



2012 Post 5 Mine Rescue Contest

Second Ventilation



RA Patient Statement

**Help, get me
out of here!**

Barricade Patient Statement

**Help get me out of
here. It is airtight
behind me!**