



2017  
HARLAN SAFETY DAYS  
MINE RESCUE CONTEST  
DAY 2

MH

**HARLAN SAFETY DAYS MINE RESCUE CONTEST**  
**SUPERINTENDENT STATEMENT DAY 2**  
**JULY 26, 2017**

Thank you for coming to help us. You are located at the fresh air base of the Har-Co #1 mine. This is a very large mine with multiple working sections and interconnected fans and air courses.

A mine rescue team was able to explore to the area inby the area you will be exploring. They were stopped by unsafe roof in the #1 entry by water in the #2 entry and caved in number 3 entry. Another team was able to setup a safe return and intake inby that you can use to ventilate through.

The fan ventilating this area is currently off and can be started either blowing or exhausting. The area is currently air-locked inby the fresh air base.

The air is currently going across the fresh air base and there is a safe return and intake outby that you can use to ventilate through. The fan is currently blowing and can be reversed.

The mine has a history of bad roof, water and methane. The mine maps are up to date. We have a competent life line person to give and take life line signals if necessary.

When the team is traveling they can only carry 1 timber per working team member and they must carry their own timber in their hand. Brattice cloth and line curtain must be either carried in the hand or on the stretcher. No throwing, kicking, pitching etc. of timbers, water pump, brattice cloth or line curtains by the team members.

Please find the 5 missing miners that were in this area of the mine that you will be exploring. Thank you and good luck.

## **PROBLEM DAY 2**

**DO NOT STALL EITHER FAN, AS IT  
WILL CAUSE DAMAGE TO THEM.**

**TO PREVENT STALLING ONE FAN HAS  
TO BE BLOWING AND THE OTHER  
EXHAUSTING WHEN USING BOTH FANS.**

**THE RETURN AND INTAKE OUTBY  
THE FAB AND INBY AREAS HAVE BEEN  
EXPLORED AND IS SAFE TO VENTILATE  
THROUGH.**

**ACCOUNT FOR ALL 5 MISSING  
MINERS THAT ARE IN THE AREA YOU ARE  
EXPLORING AND BRING SURVIVORS TO  
THE FAB.**

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



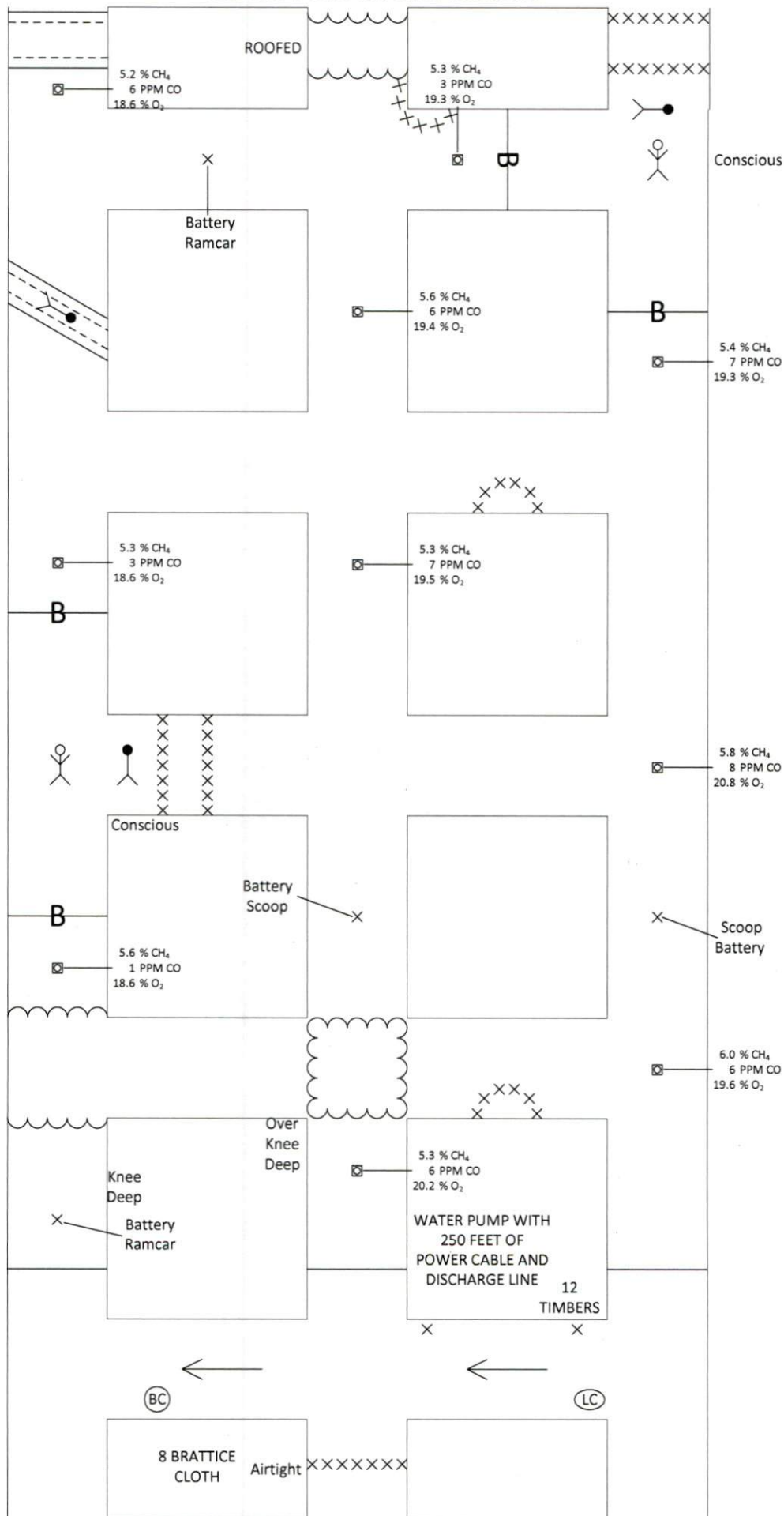
# **PATIENT STATEMENT 1**

**HELP!!    GET ME OUT OF HERE.**

## **PATIENT STATEMENT 2**

**HELP!! GET ME OUT OF HERE, I  
AM NOT FEELING WELL.**

# HARLAN SAFETY DAYS 2017 DAY 2 PROBLEM MAP



## HARLAN SAFETY DAYS MINE RESCUE CONTEST DAY 2

### JUDGES BRIEFING

Number 1 entry GT DI Airlock GT inby stopping

Number 2 entry GT DI Airlock GT inby stopping

Number 3 entry GT DI Airlock GT inby stopping

The teams can enter either the #1 or #3 entry. We are setting this up as if they are entering number 3 entry first.

#2 Entry the team can make inby the stopping without advancing team. DI GT at water.

Team Stop before breaching stopping.

Team Check

Team Stop 1

Crosscut between 2 & 3 GT DI RR Zig Zag

Inby GT

Team Stop 2

Patient 1 reads statement

Inby GT DI

Crosscut between 1 & 2 GT DI

Whenever the team makes the water between Team Stops 2 & 3 and on the outby side in #2 they can get patient.

Pump 1

Team Stop 3

Inby GT

Crosscut between 1 & 2 GT

Crosscut between 2 & 3 GT

Vent 1

Team Stop 4

Entering Barricade GT

Touch Patient Assess DI take to FAB

Inby GT DI

Crosscut between 1 & 2 Touch Body DI GT DI RR

Team Stop 5

Inby GT

Crosscut between 2 & 3 GT

Team Stop 6

Inby GT

Crosscut between 1 & 2 RR GT DI

Outby GT

Team Stop 7

Patient 2 reads statement

Crosscut between 2 & 3 GT RR Zig Zag

Inby GT DI

Team Stop 8

Inby GT

Outby DI

Crosscut between 1 & 2 GT

Team Stop 9

Inby GT DI RR

Body DI

Outby GT DI



Team Stop 10

Patient 2 reads statement

RR Intersection

Inby GT DI

Crosscut between 2 & 3 GT DI

Crosscut between 1 & 3 GT

Team Stop 11

Outby GT DI RR

Inby GT DI RR

Vent 3

Vent 4

Team Stop 12

Entering barricade GT

Touch Patient Assess DI remove to FAB

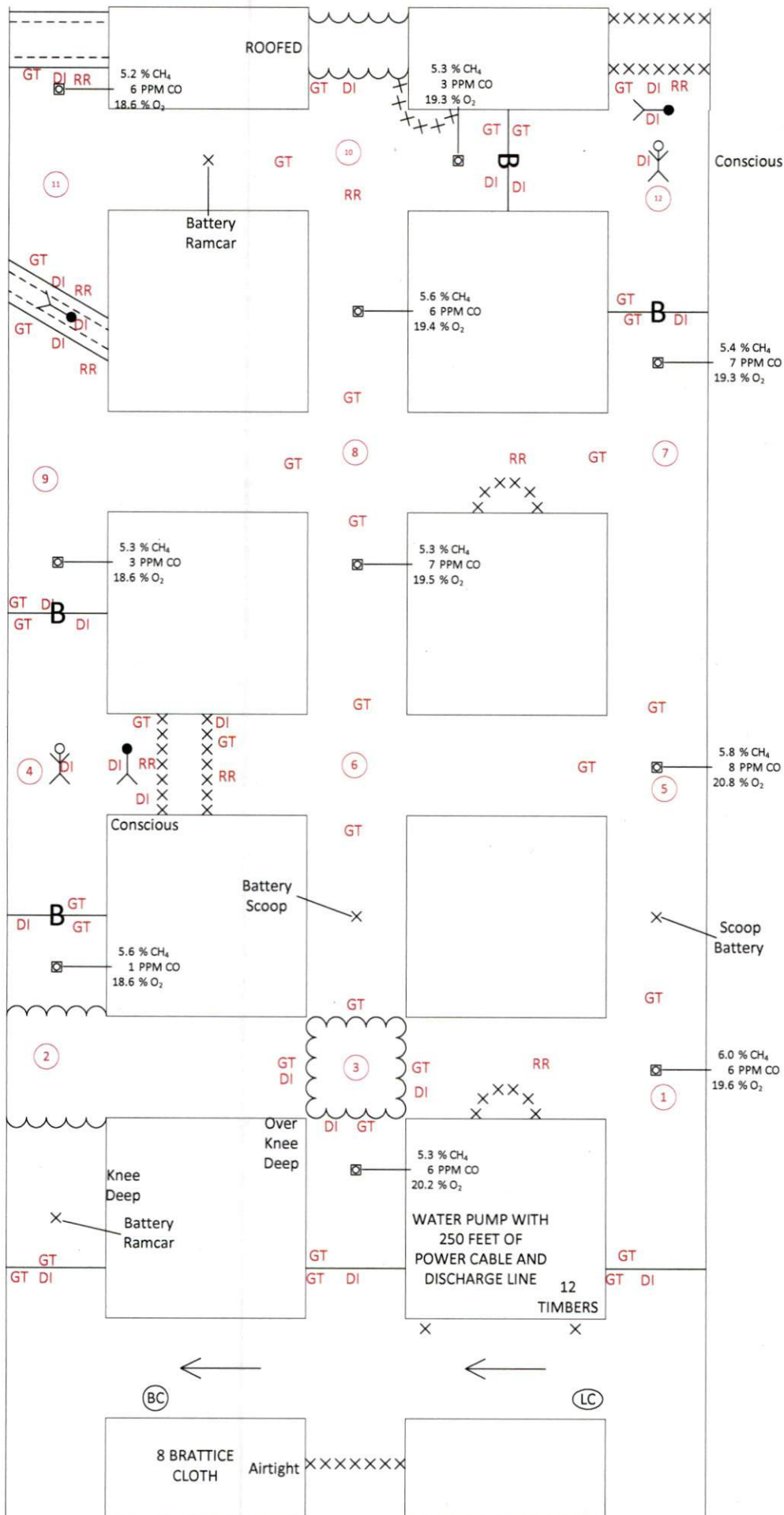
Touch Body DI

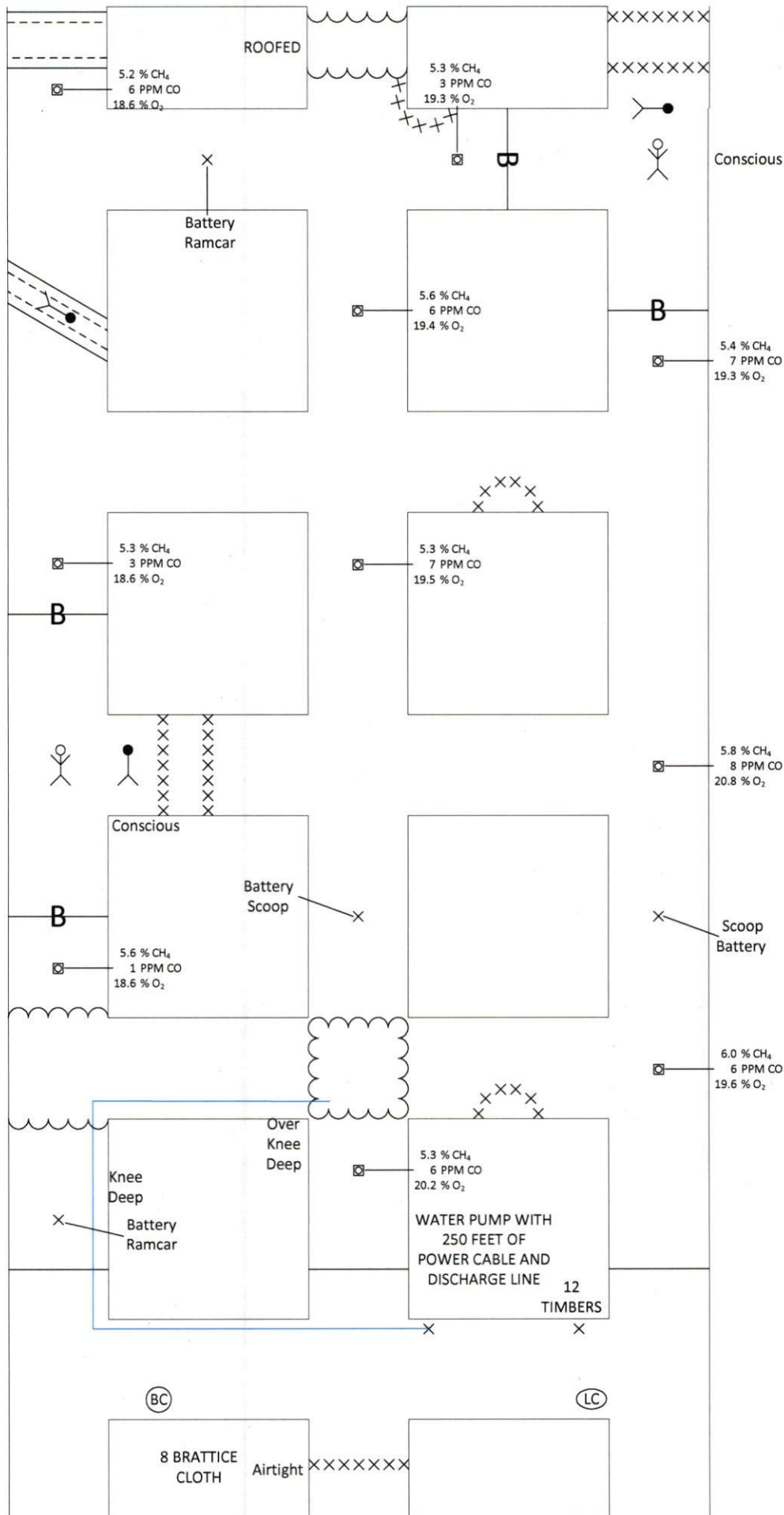
Crosscut Between 2 & 3 GT DI

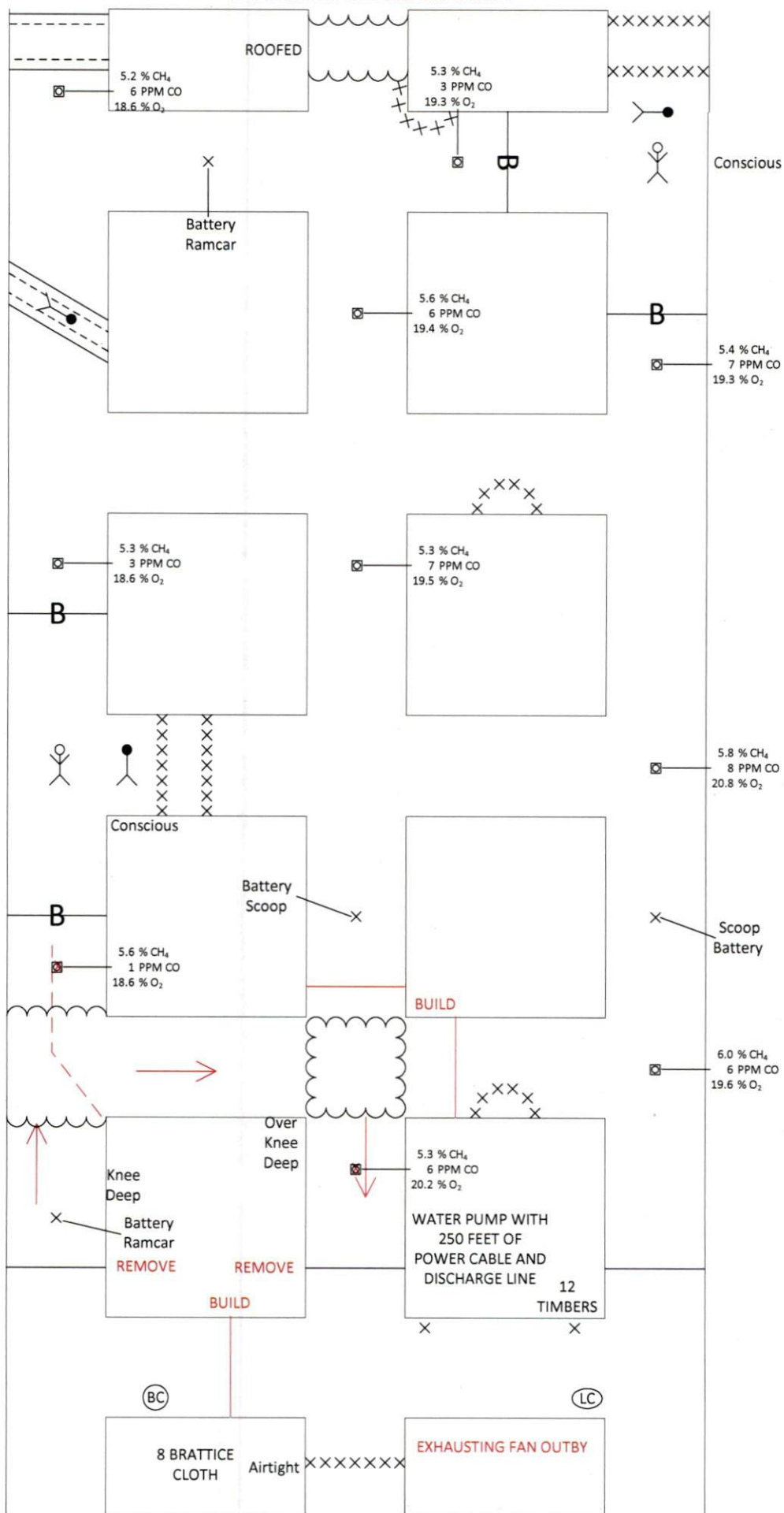
Inby GT DI RR

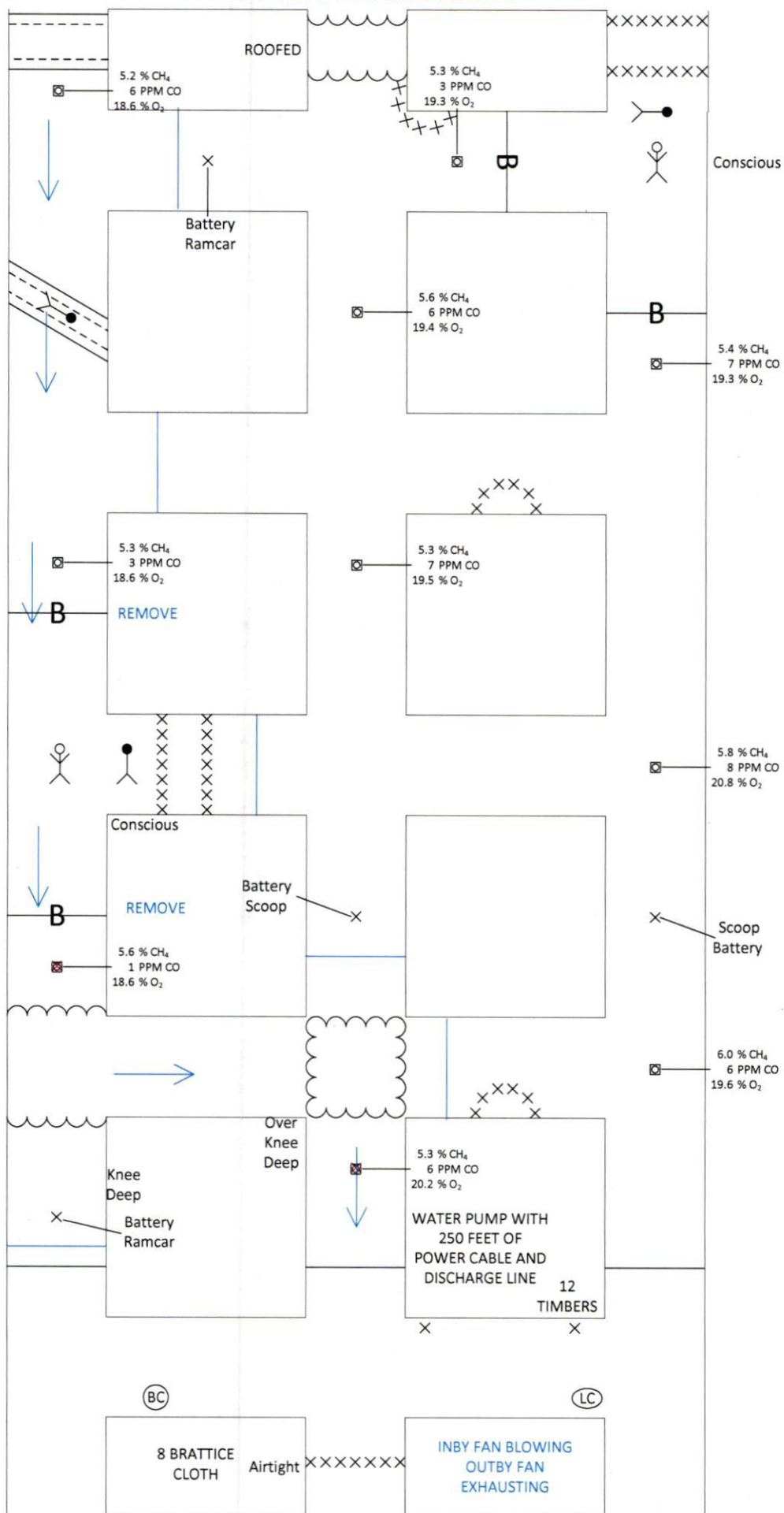
STOP CLOCK

# HARLAN SAFETY DAYS 2017 DAY 2 TEAM STOP

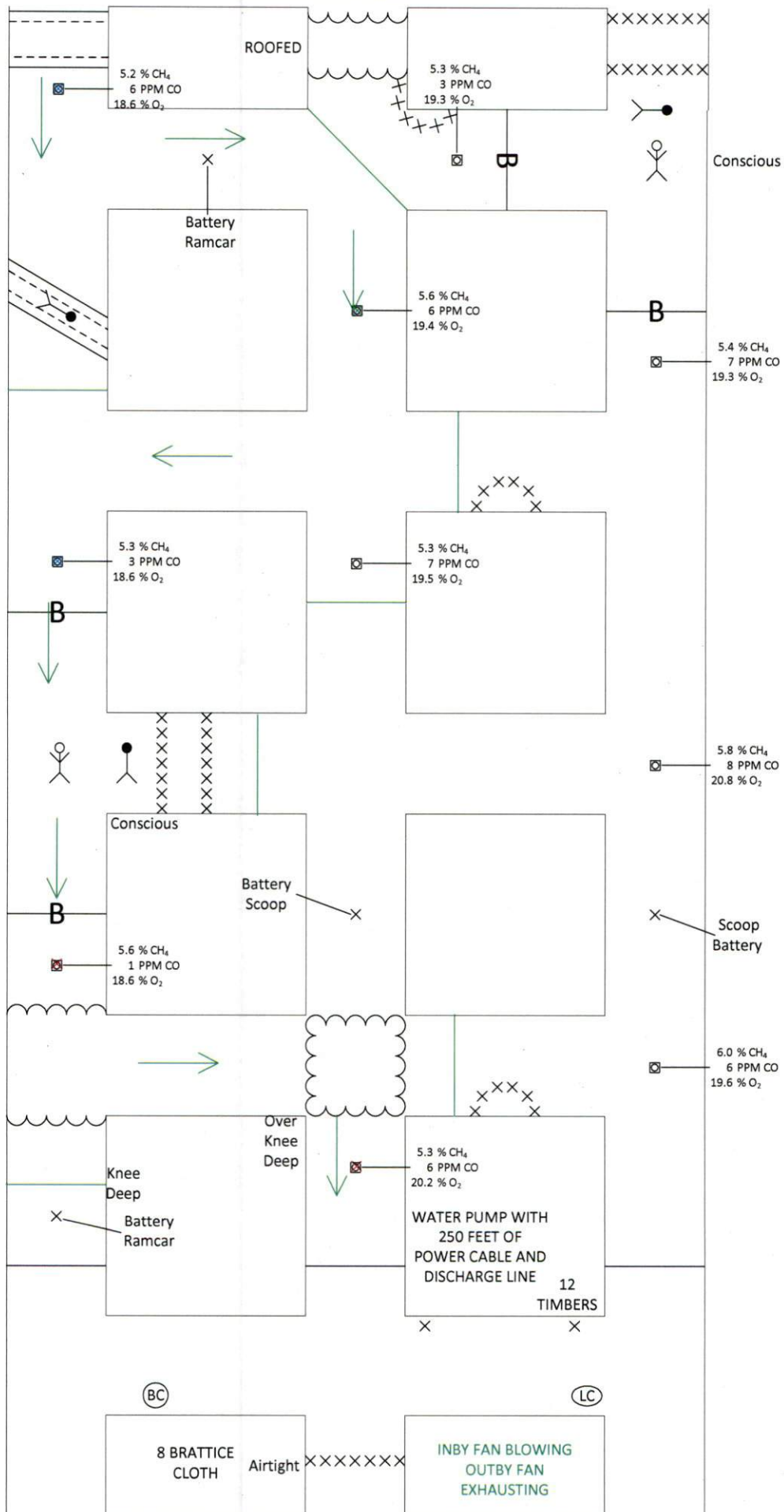


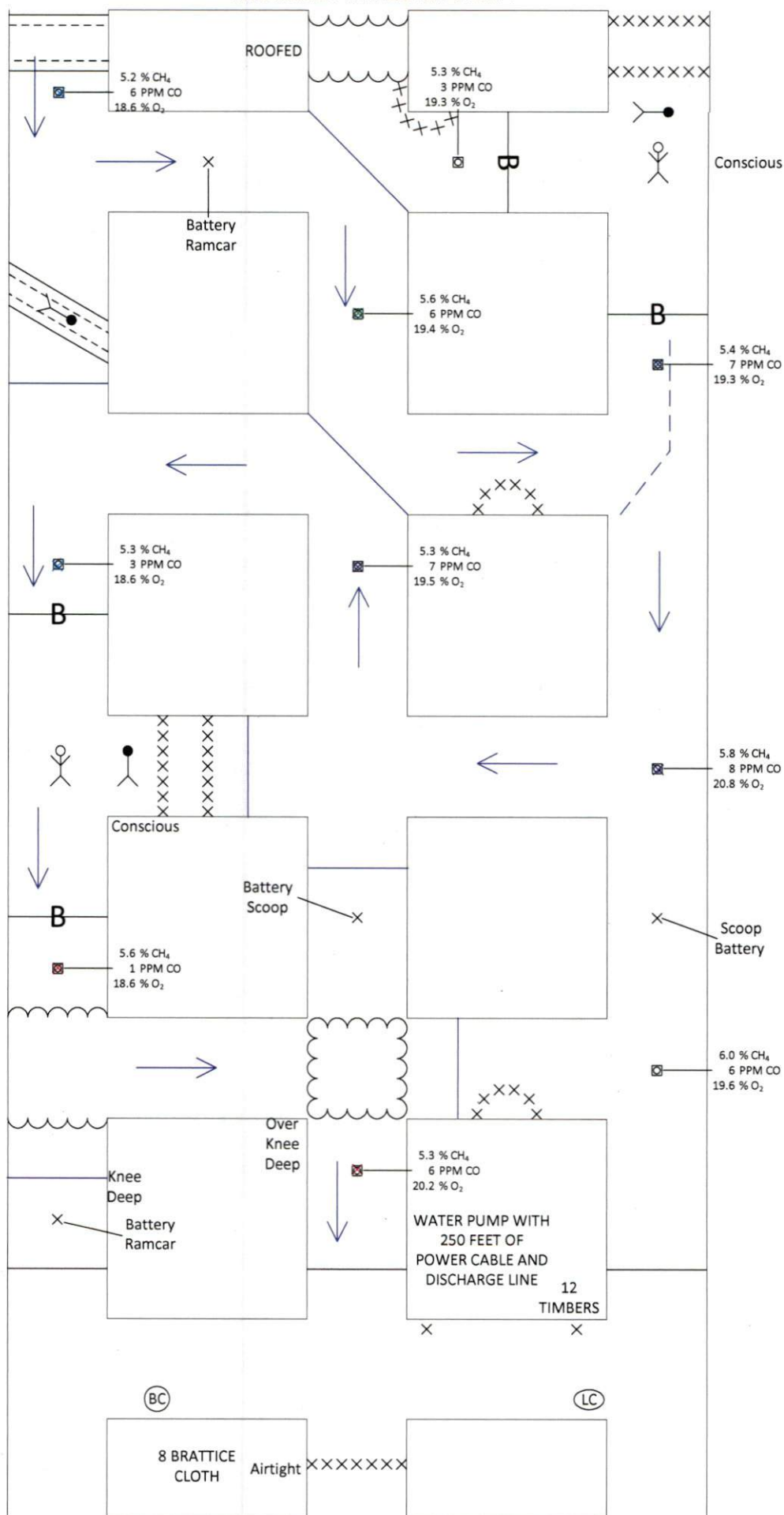




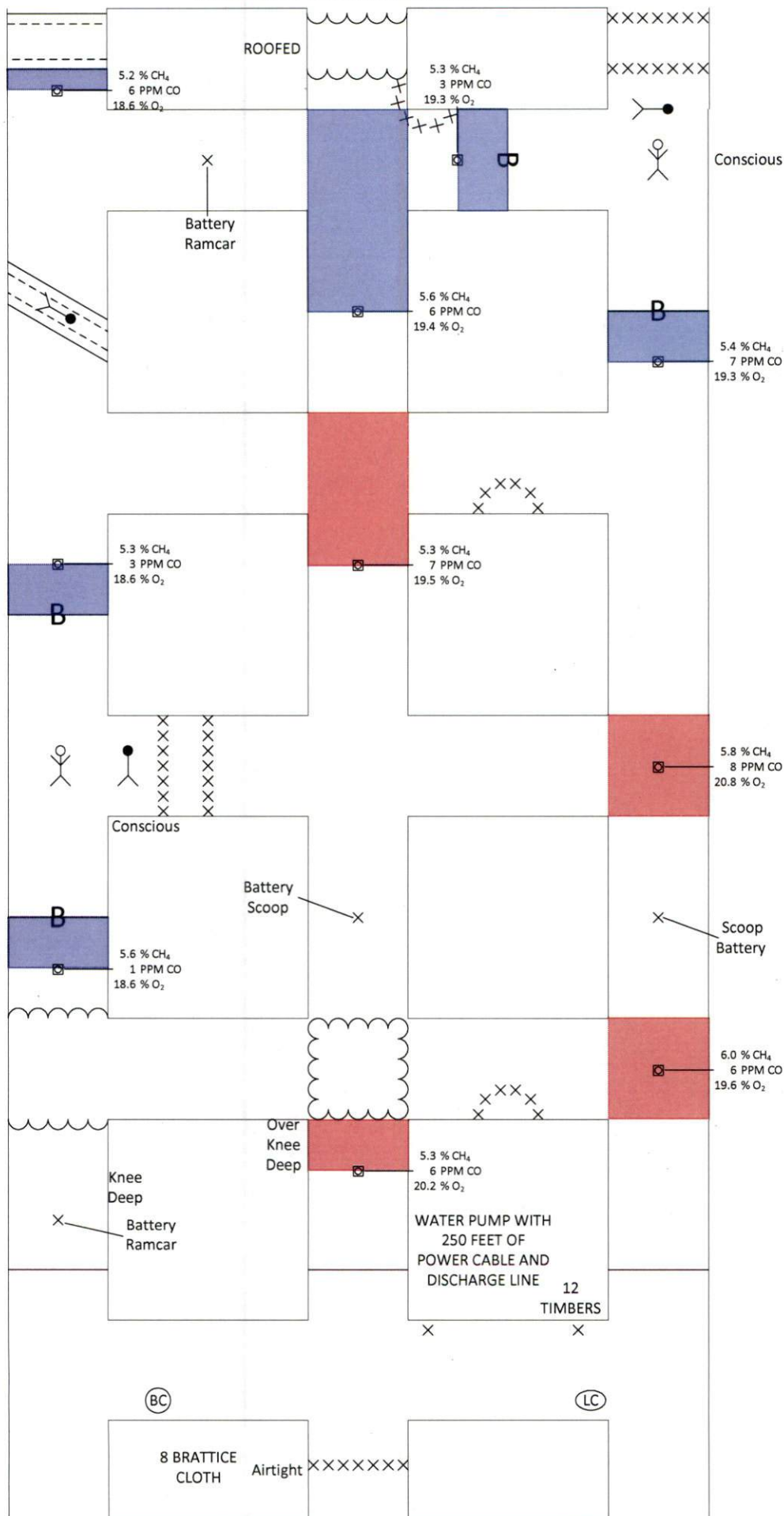








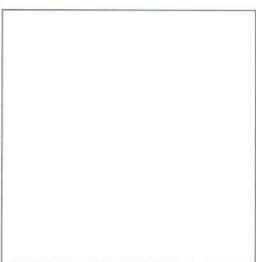
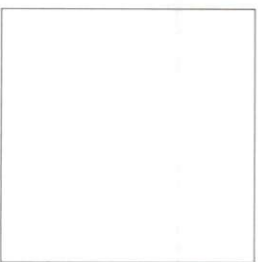
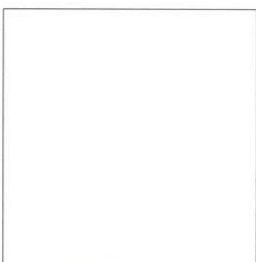
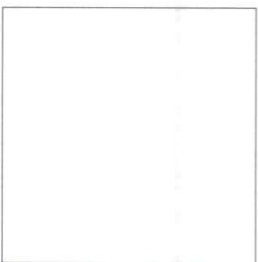
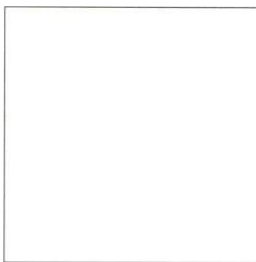
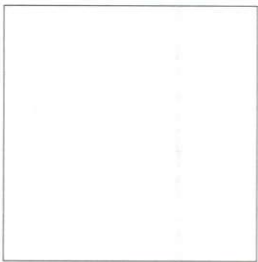
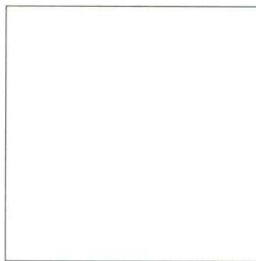
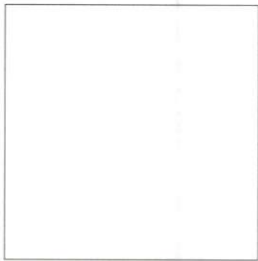
# HARLAN SAFETY DAYS 2017 DAY 2 EXTENT OF GASES



# HARLAN SAFETY DAYS 2017 DAY 2 FINAL MAP

<input checked="" type="checkbox"/> <div>           5.2 % CH<sub>4</sub>            6 PPM CO            18.6 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	<div>           5.3 % CH<sub>4</sub>            3 PPM CO            19.3 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	
	<input checked="" type="checkbox"/> <div>           5.6 % CH<sub>4</sub>            6 PPM CO            19.4 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	<input checked="" type="checkbox"/> <div>           5.4 % CH<sub>4</sub>            7 PPM CO            19.3 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>
<input checked="" type="checkbox"/> <div>           5.3 % CH<sub>4</sub>            3 PPM CO            18.6 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	<input checked="" type="checkbox"/> <div>           5.3 % CH<sub>4</sub>            7 PPM CO            19.5 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	
<input checked="" type="checkbox"/> <div>           5.6 % CH<sub>4</sub>            1 PPM CO            18.6 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>		<input checked="" type="checkbox"/> <div>           5.8 % CH<sub>4</sub>            8 PPM CO            20.8 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>
	<input checked="" type="checkbox"/> <div>           5.3 % CH<sub>4</sub>            6 PPM CO            20.2 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>	<input checked="" type="checkbox"/> <div>           6.0 % CH<sub>4</sub>            6 PPM CO            19.6 % O<sub>2</sub> </div> <div>           Retest            Y___ N___         </div>
INBY FAN BLOWING _____ EXHAUSTING _____	OUTBY FAN BLOWING _____ EXHAUSTING _____	

HARLAN SAFETY DAYS 2017 DAY 2 BLANK MAP





HARLAN SAFETY DAYS 2017 DAY 2 TEAM MAP

