



2018
HARLAN SAFETY DAYS
MINE RESCUE CONTEST
DAY 1

MH

**HARLAN SAFETY DAYS MINE RESCUE CONTEST
SUPERINTENDENT STATEMENT DAY 1
JULY 25, 2018**

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 water in the number 1 entry, and unsafe roof in the number 2 entry and caved in the number 3 entry. Another team was able to setup a safe return and intake inby that you can use to ventilate through.

The outby fan is blowing and ventilating the fresh air base.

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.

Please find the 3 missing miners that were in this area of the mine that you will be exploring. Thank you and good luck.

PROBLEM DAY 1

THE OUTBY FAN CANNOT BE STOPPED OR REVERSED. DO NOT STALL THE FAN, AS IT WILL CAUSE DAMAGE TO IT.

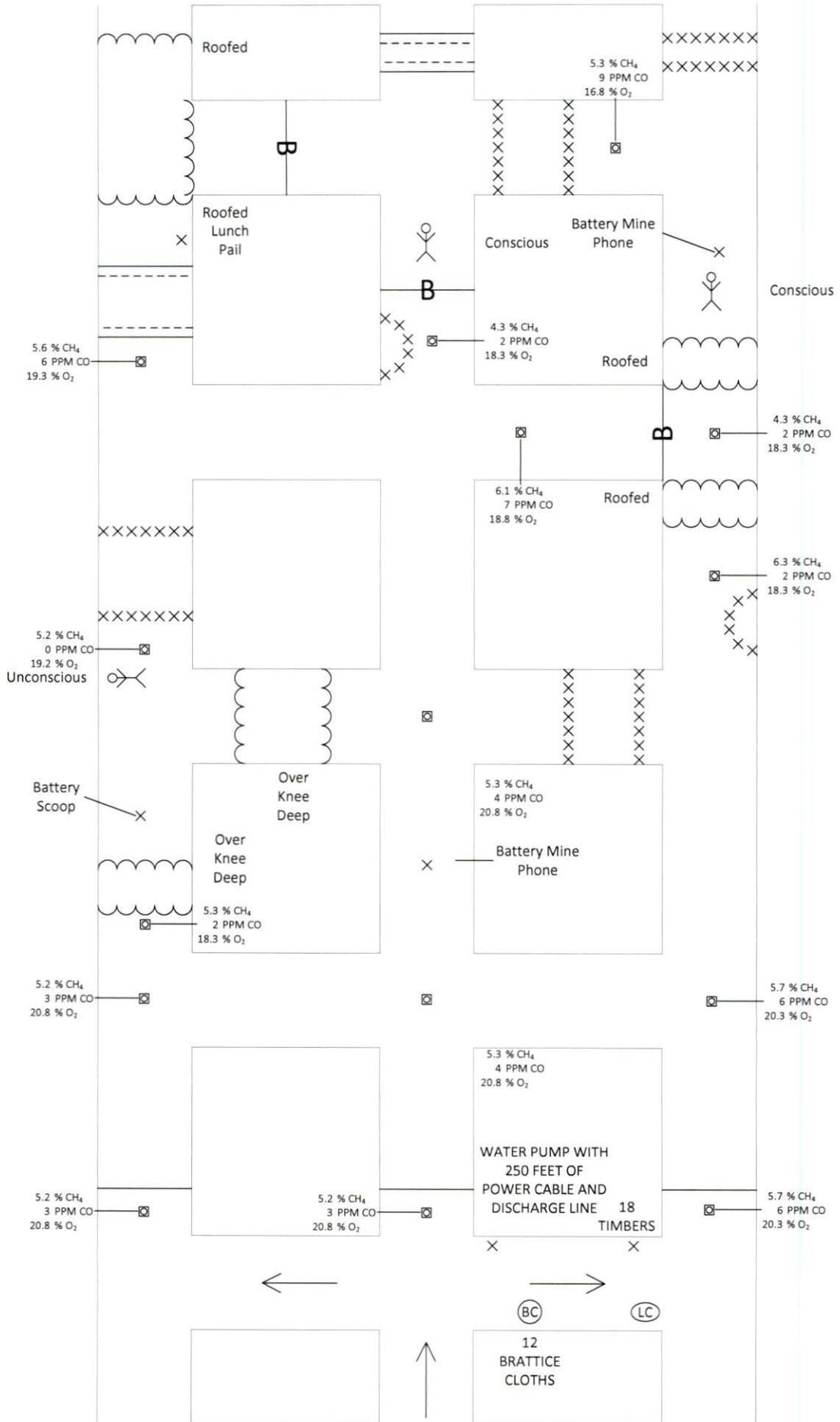
THE RETURN AND INTAKE OUTBY THE FAB AND INBY AREAS HAVE BEEN EXPLORED AND IS SAFE TO VENTILATE THROUGH.

ACCOUNT FOR ALL 3 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

WHEN THE TEAM IS TRAVELING THEY CAN ONLY CARRY 2 TIMBERS PER WORKING TEAM MEMBER AND THEY MUST CARRY THEIR OWN TIMBER IN THEIR HANDS. BRATTICE CLOTH AND LINE CURTAIN MUST BE EITHER CARRIED IN THE HAND OR ON THE STRETCHER. NO THROWING, KICKING, PITCHING ETC. OF THE TIMBERS, WATER PUMP, BRATTICE CLOTH OR LINE CURTAINS BY THE TEAM MEMBERS.

HARLAN SAFETY DAYS DAY 1 PROBLEM MAP



HARLAN SAFETY DAYS MINE RESCUE CONTEST DAY 1 JUDGES BRIEFING

Note the teams can use line curtain to remove gases in front of temporary stoppings at any point after the clock started but they do not have to.

Number 1 entry GT DI Airlock GT inby stopping GT DI at water.

Number 2 entry GT DI Airlock GT inby stopping GT DI at water.

Number 3 entry GT DI Airlock GT inby stopping.

The teams can start up any entry to explore we are setting it up for them to explore beginning in the number 3 entry.

Team Stop 1

Crosscut between 2 & 3 GT

Inby GT

Team Stop 2

Inby GT

Crosscut between 1 & 2 GT

Outby GT DI

Team Stop 3

Inby GT DI

Outby GT DI

Team Stop 4

Crosscut between 2 & 3 GT DI RR

Inby RR Zig-Zag GT DI

Team Stop 5

Inby GT

Crosscut between 2 & 3 GT DI RR

Crosscut between 1 & 2 GT DI

Team Stop 6

Inby RR Zig-Zag GT DI

Crosscut between 2 & 3 GT DI

Crosscut between 1 & 2 GT

Team Stop 7

Inby GT DI RR

Outby GT DI RR

Ventilation 1

Pump 1

Ventilation 2

Team Stop 8

Patient touch assess DI Take to FAB

Outby GT DI

Inby GT DI RR

Ventilation 3

Ventilation 4

Ventilation 5

Team Stop 9

Entering barricade GT

Inby GT DI

Outby GT DI

Pump 2

Team Stop 10

Patient Touch Assess and take to FAB

Inby GT DI RR

Crosscut between 2 & 3 GT DI RR

Ventilation 6

Pump 3

Team Stop 11

Inby GT

Crosscut between 1 & 2 GT DI

Team Stop 12

Inby GT DI RR

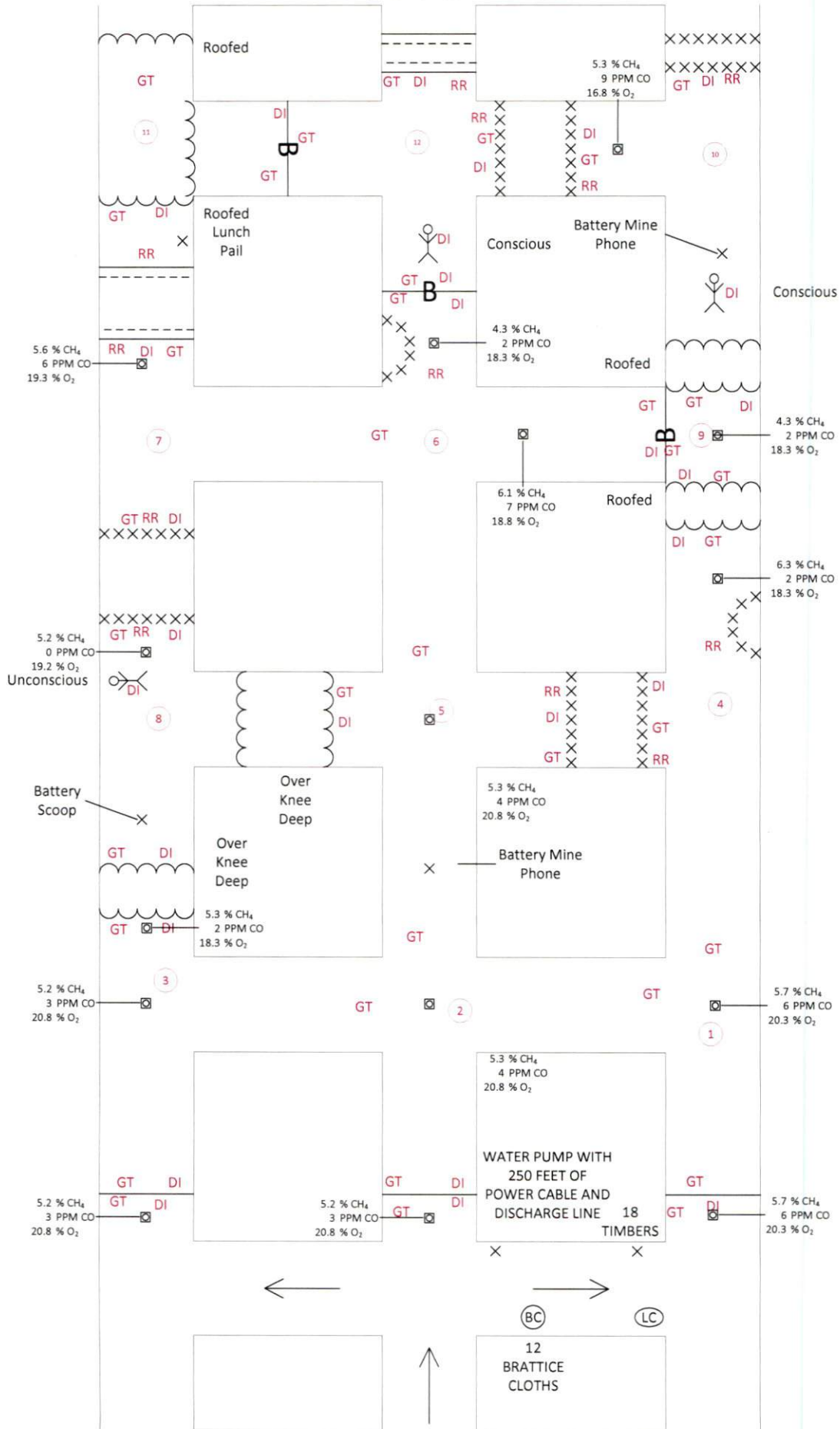
Crosscut between 2 & 3 GT DI RR

Patient Touch Assess DI take to FAB

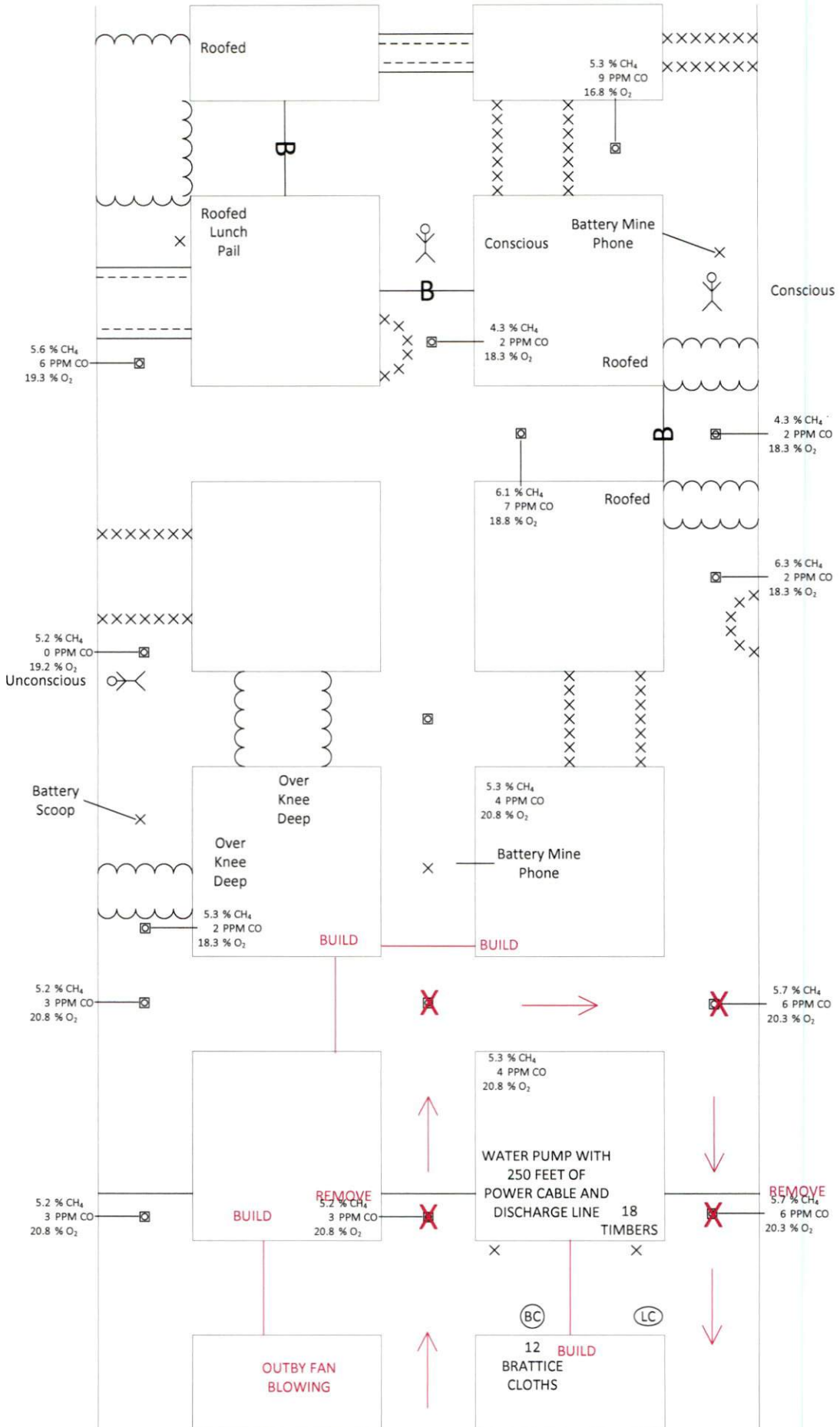
Outby GT DI

Stop Clock

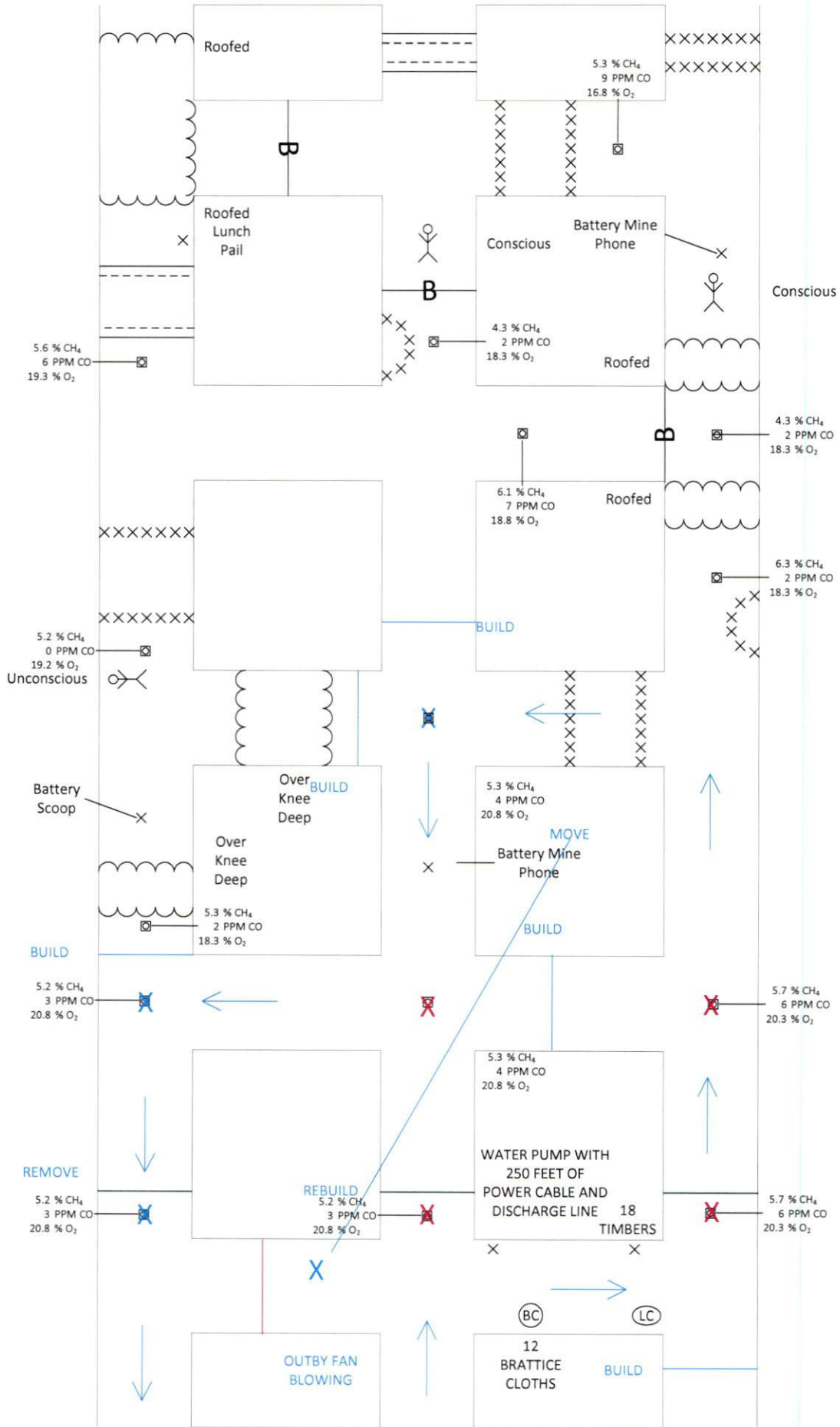
HARLAN SAFETY DAYS DAY 1 TEAM STOP



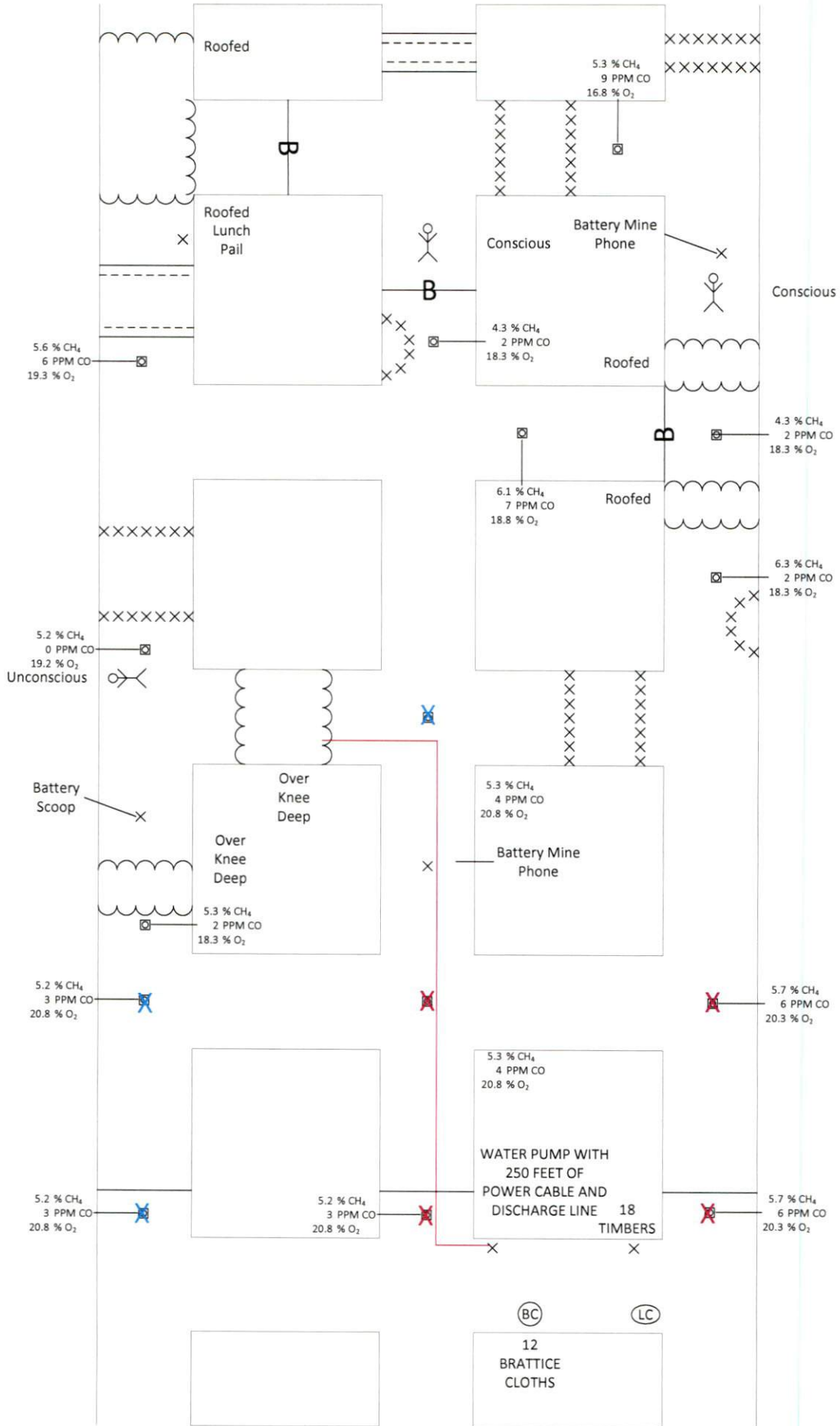
HARLAN SAFETY DAYS DAY 1 VENT 1



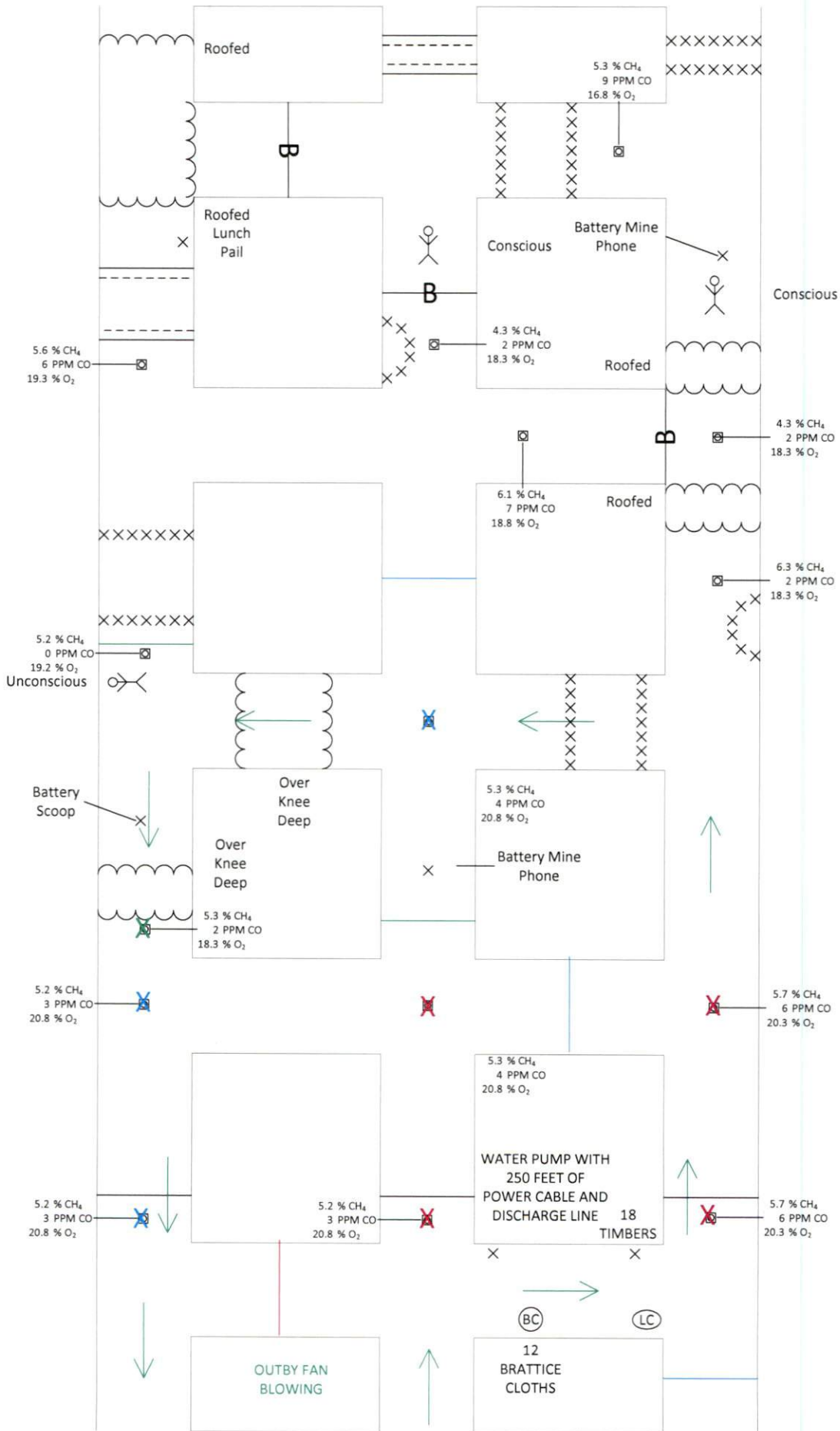
HARLAN SAFETY DAYS DAY 1 VENT 2



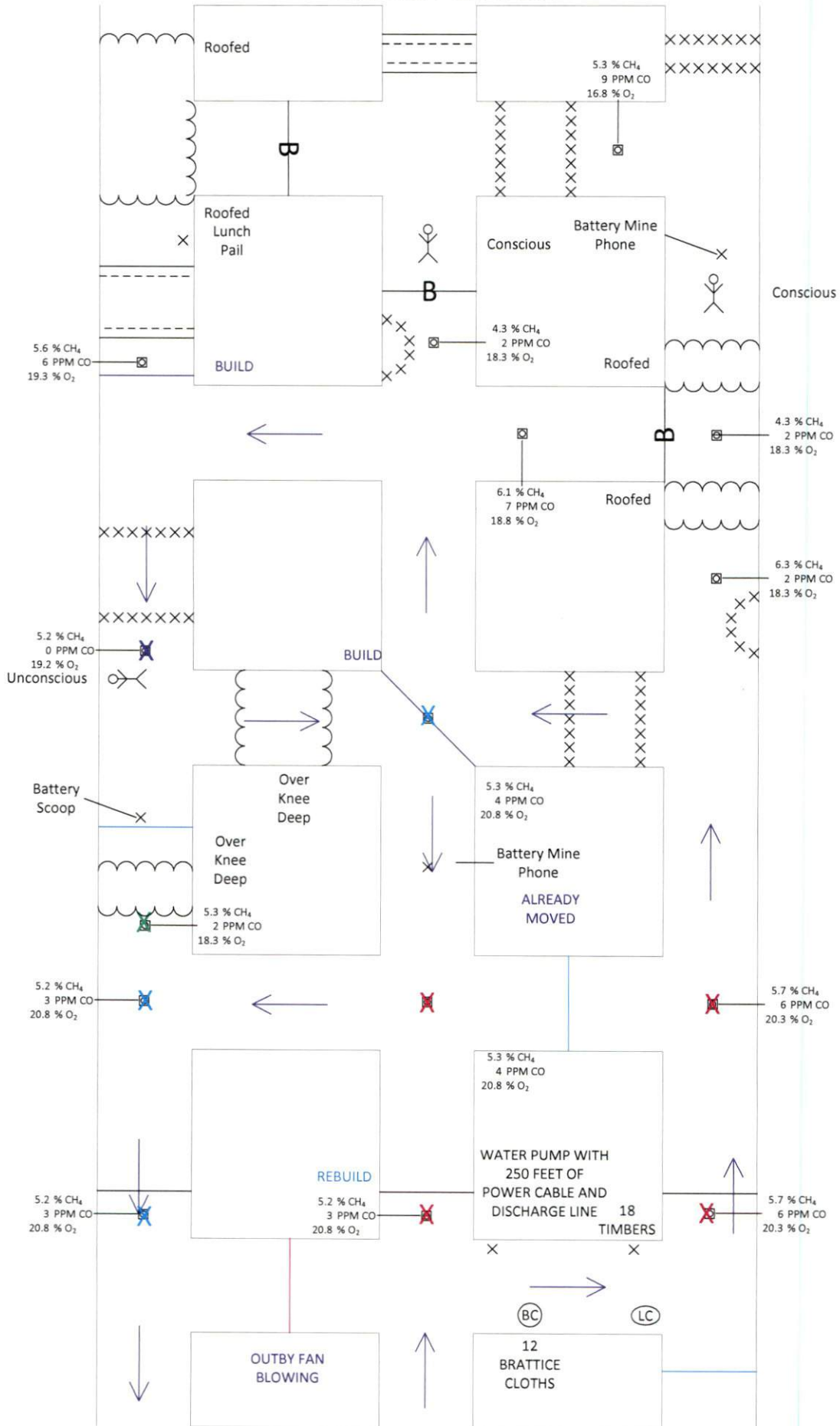
HARLAN SAFETY DAYS DAY 1 PUMP 1



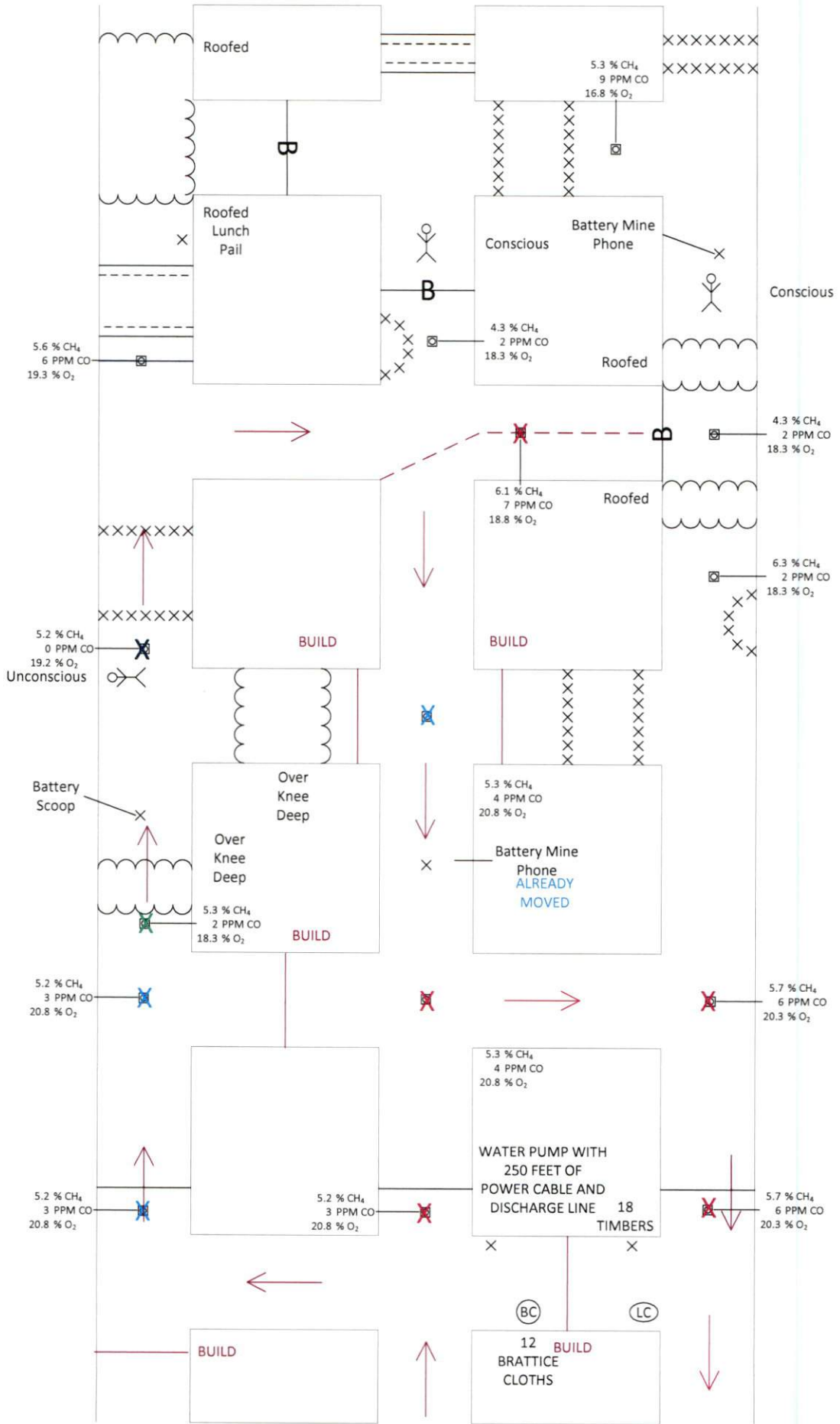
HARLAN SAFETY DAYS DAY 1 VENT 3



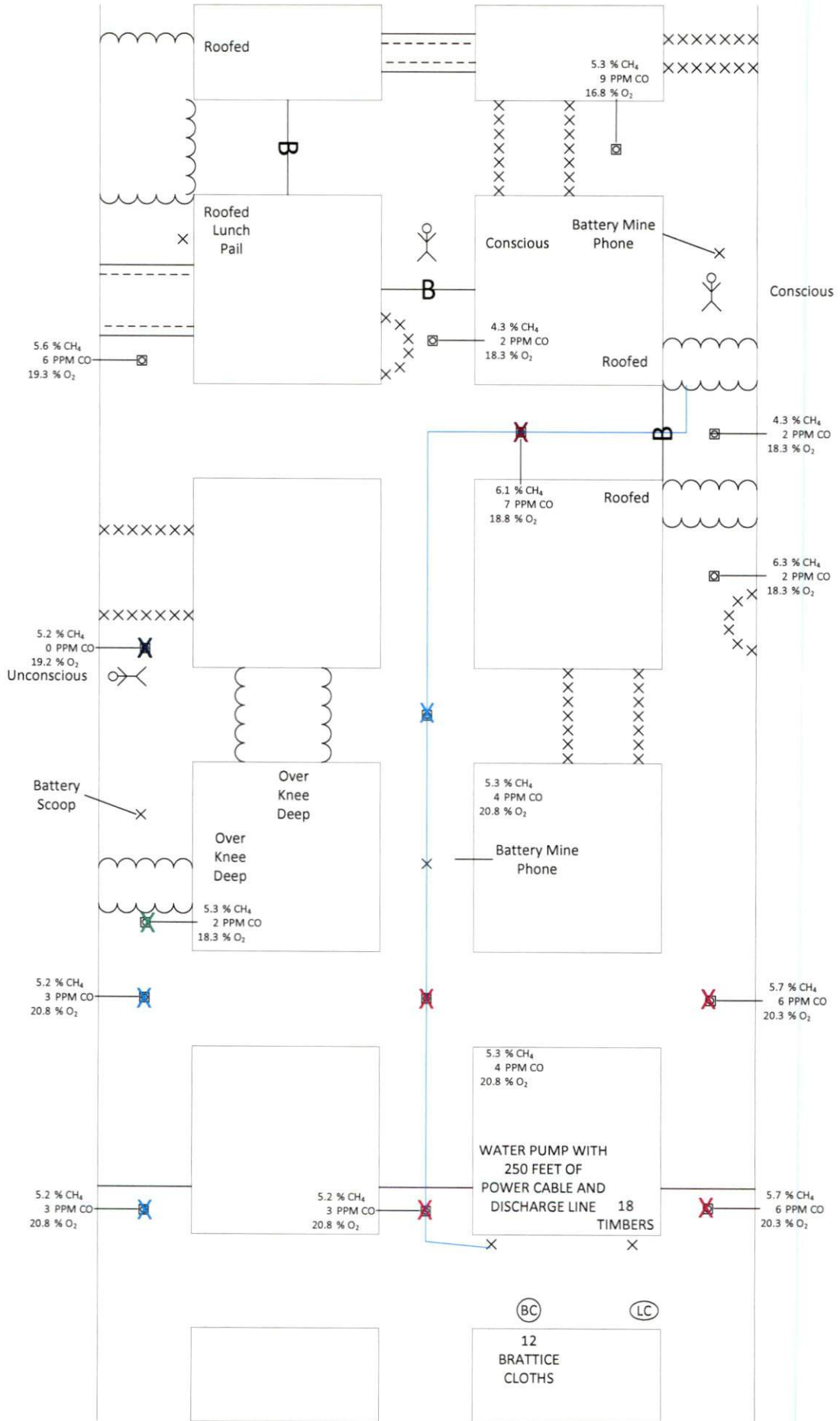
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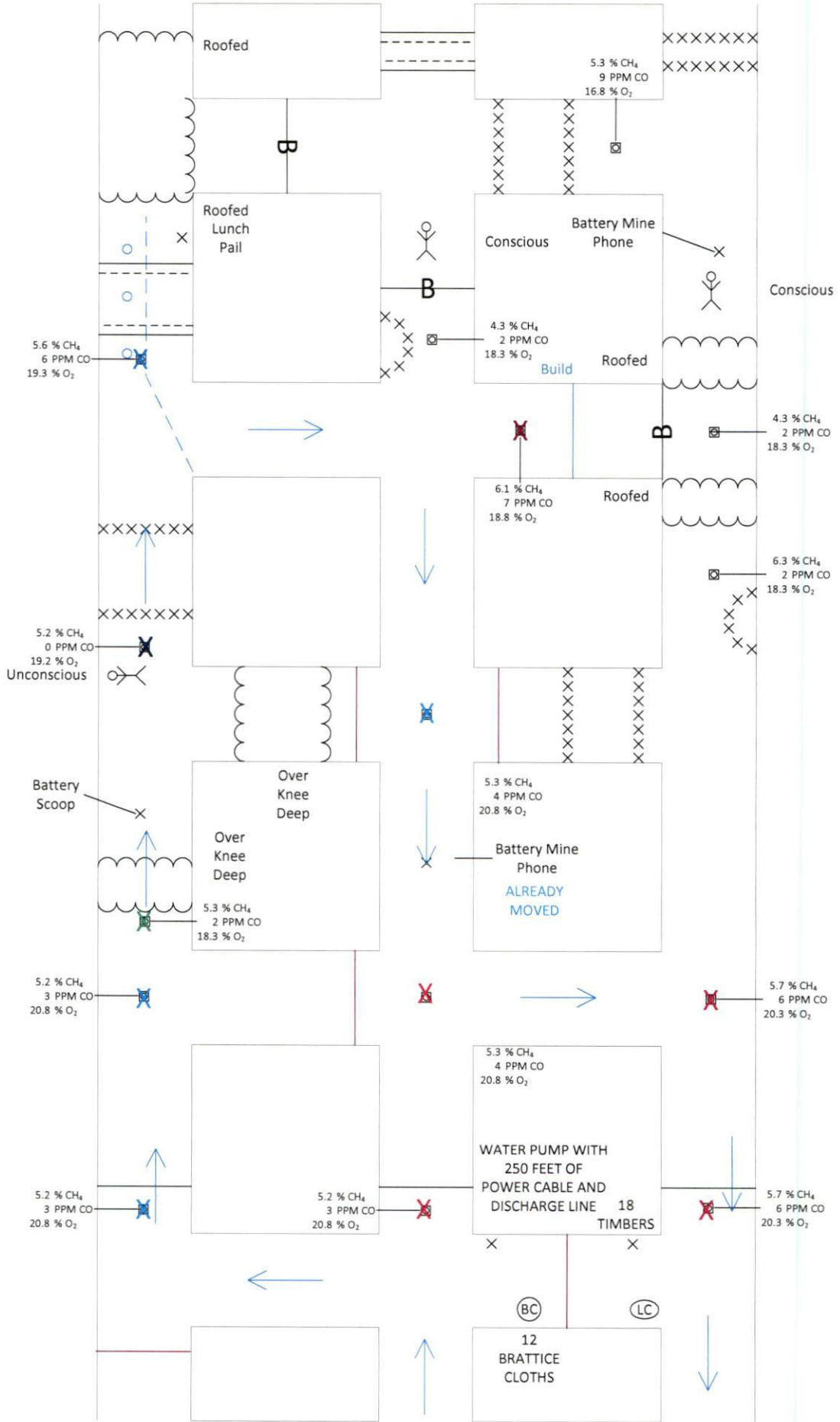
HARLAN SAFETY DAYS DAY 1 VENT 5



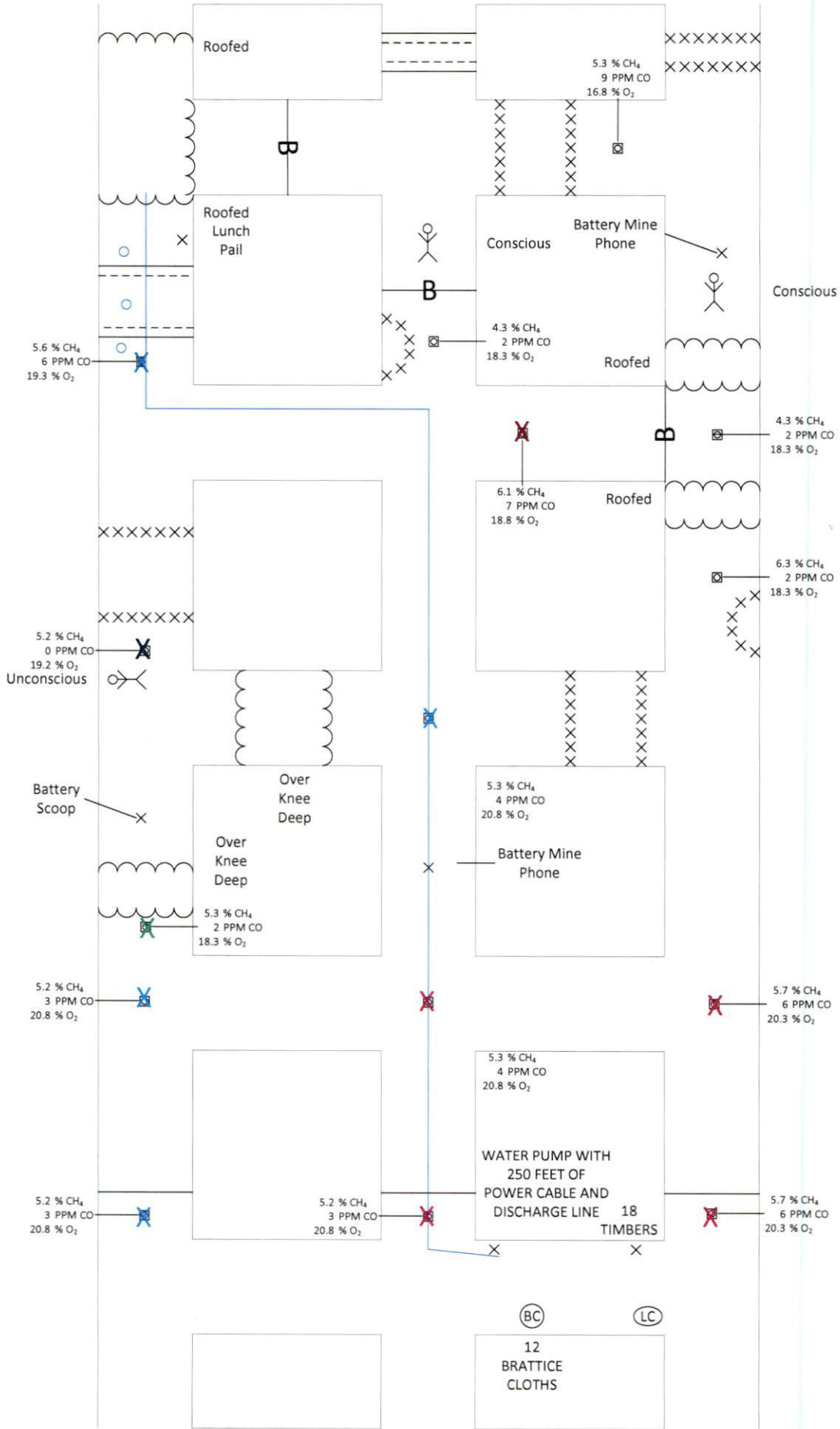
HARLAN SAFETY DAYS DAY 1 PUMP 2



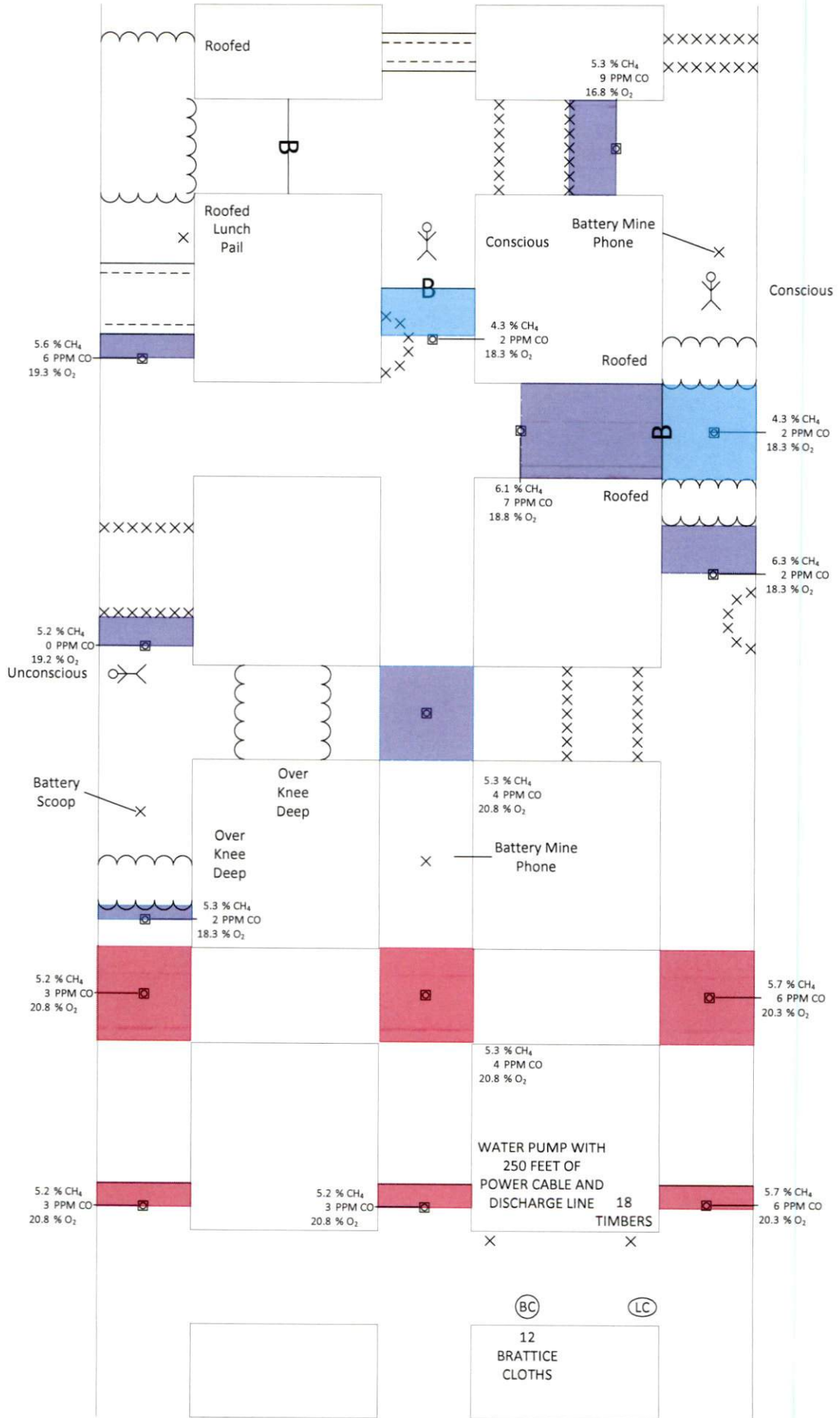
HARLAN SAFETY DAYS DAY 1 VENT 6



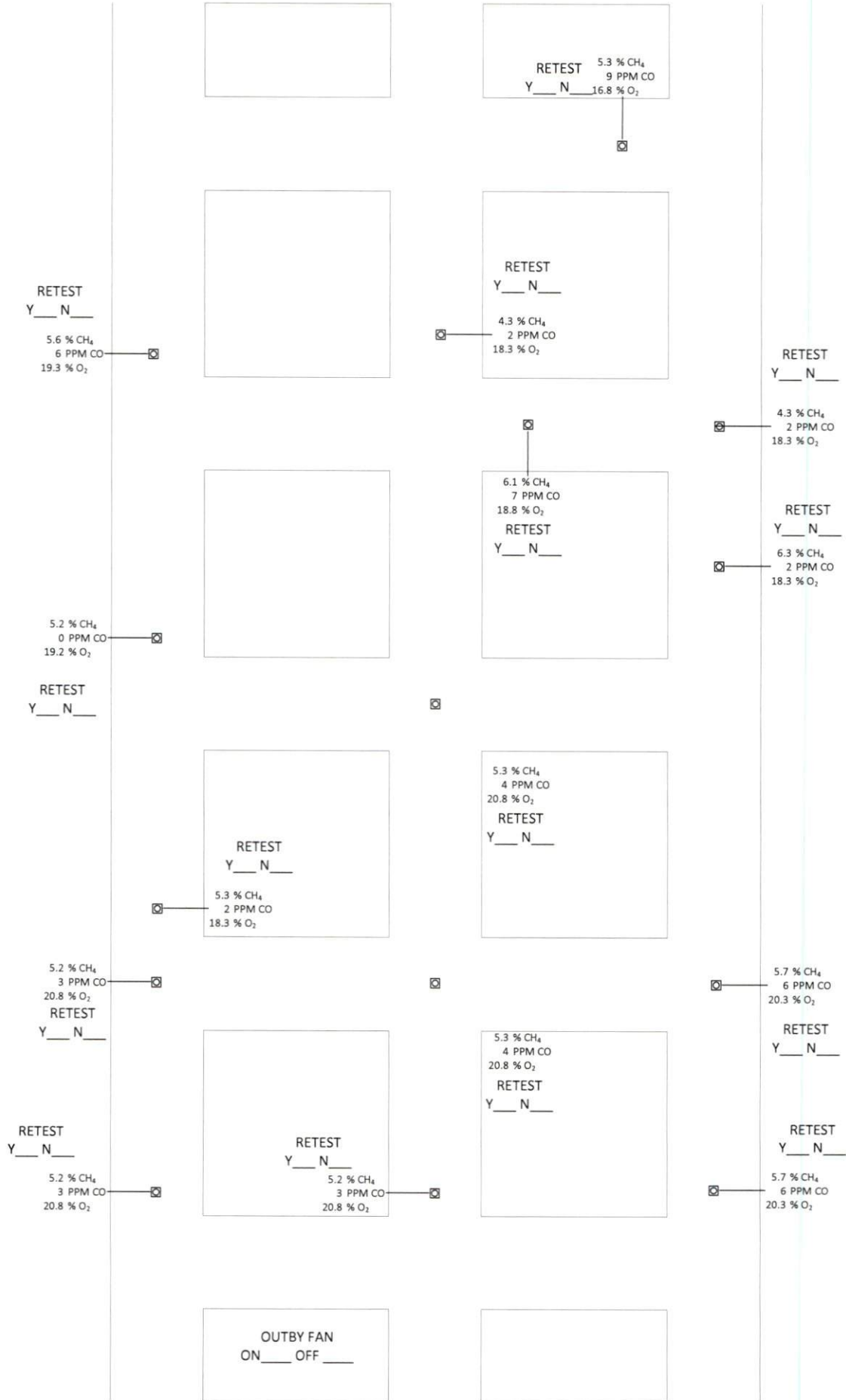
HARLAN SAFETY DAYS DAY 1 PUMP 3



HARLAN SAFETY DAYS DAY 1 EXTENT OF GASES



HARLAN SAFETY DAYS DAY 1 FINAL MAP



HARLAN SAFETY DAYS DAY 1 TEAM MAP

