

2024

HARLAN CO.

SAFETY DAYS

DAY 1

CONTEST

TEAM 
KENTUCKY.

**ENERGY AND
ENVIRONMENT CABINET**

DIVISION OF MINE SAFETY

2024 Harlan County Safety Days, Day 1 Statement

Thanks for responding to our call for help. You are located at the Cumberland Big Bear #2 Mine. We are a small mine just starting production and have just about mined away from old mines that use to be near this area. We had a four man crew that entered the mines on the owl shift to do regular maintenance work on the section equipment. We have been dealing with adverse roof conditions along with methane and areas of low O₂. The first shift pre shift foreman entered the mines at 4am this morning but was unable to make it onto the section due to unsafe roof and low O₂. A fresh air base was established and all power is off in by the fresh airbase the foreman returned to the surface to monitor the air readings at the air shaft. All attempts to contact our missing miners have been unsuccessful. State and Federal agencies have been notified and are on scene along with back up mine rescue teams. This is all the information we have at this time please help find our missing miners. Thanks and Good Luck.

Harlan County Safety Days Day 1 Written Instructions

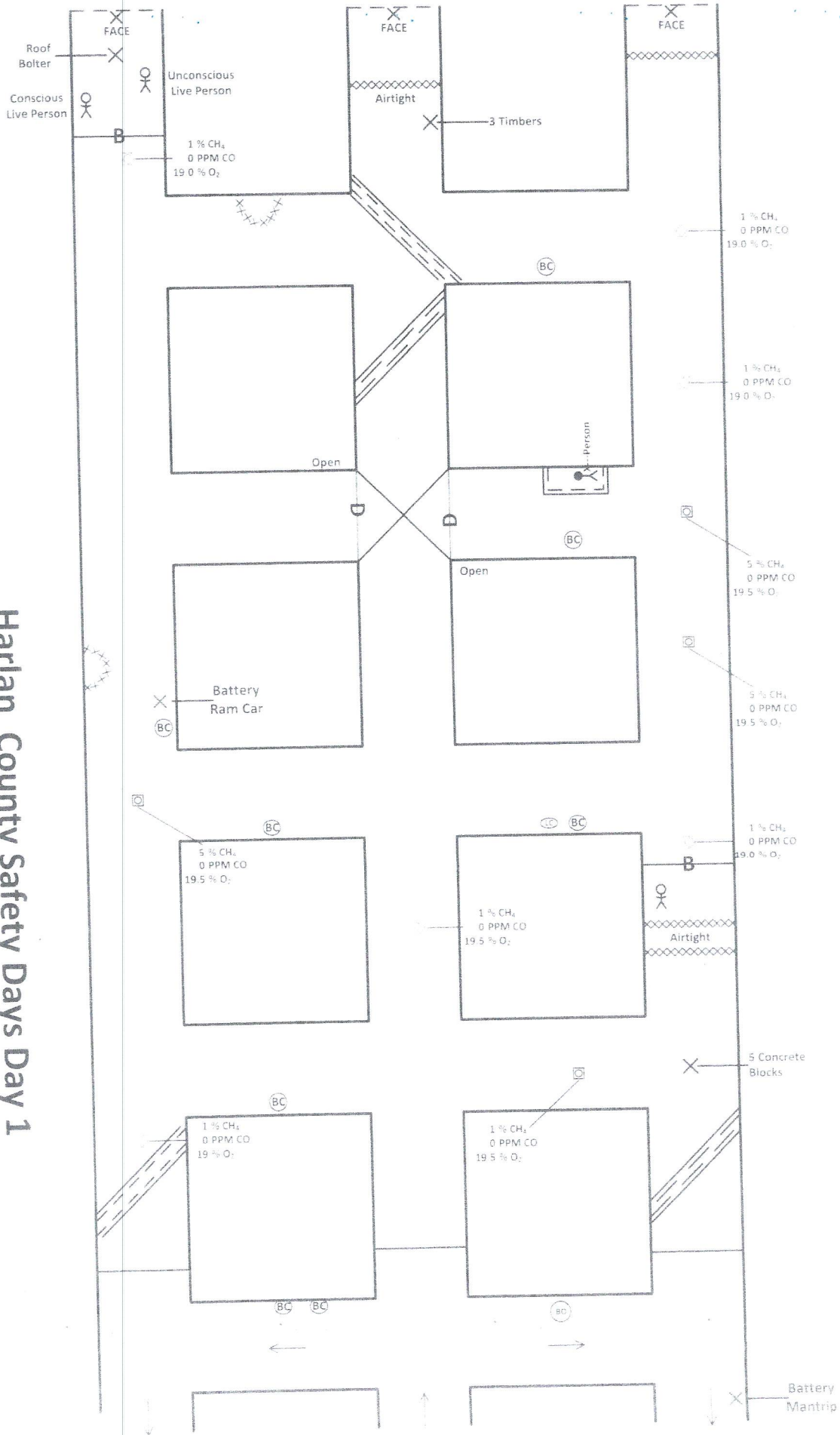
Exhaust fan is running the intake comes in the #2 entry and returns out the #1 and #3 entry. Fan cannot be stopped, stalled or reversed.

The mine map is not up to date.

Bring all survivors to the fresh air base.

Explore all areas of the mines that can be done safely and leave mines for barefaced exploration.

Harlan County Safety Days Day 1



Roof Bolter

FACE

Unconscious Live Person

1% CH₄
0 PPM CO
19.0% O₂

11

12

FACE

Airtight

3 Timbers

9

1% CH₄
0 PPM CO
19.0% O₂

1% CH₄
0 PPM CO
19.0% O₂

Open

Person

10

7/8

5% CH₄
0 PPM CO
19.5% O₂

5% CH₄
0 PPM CO
19.5% O₂

Battery Ram Car

4/5

4/5

6

1% CH₄
0 PPM CO
19.0% O₂

Airtight

2

5 Concrete Blocks

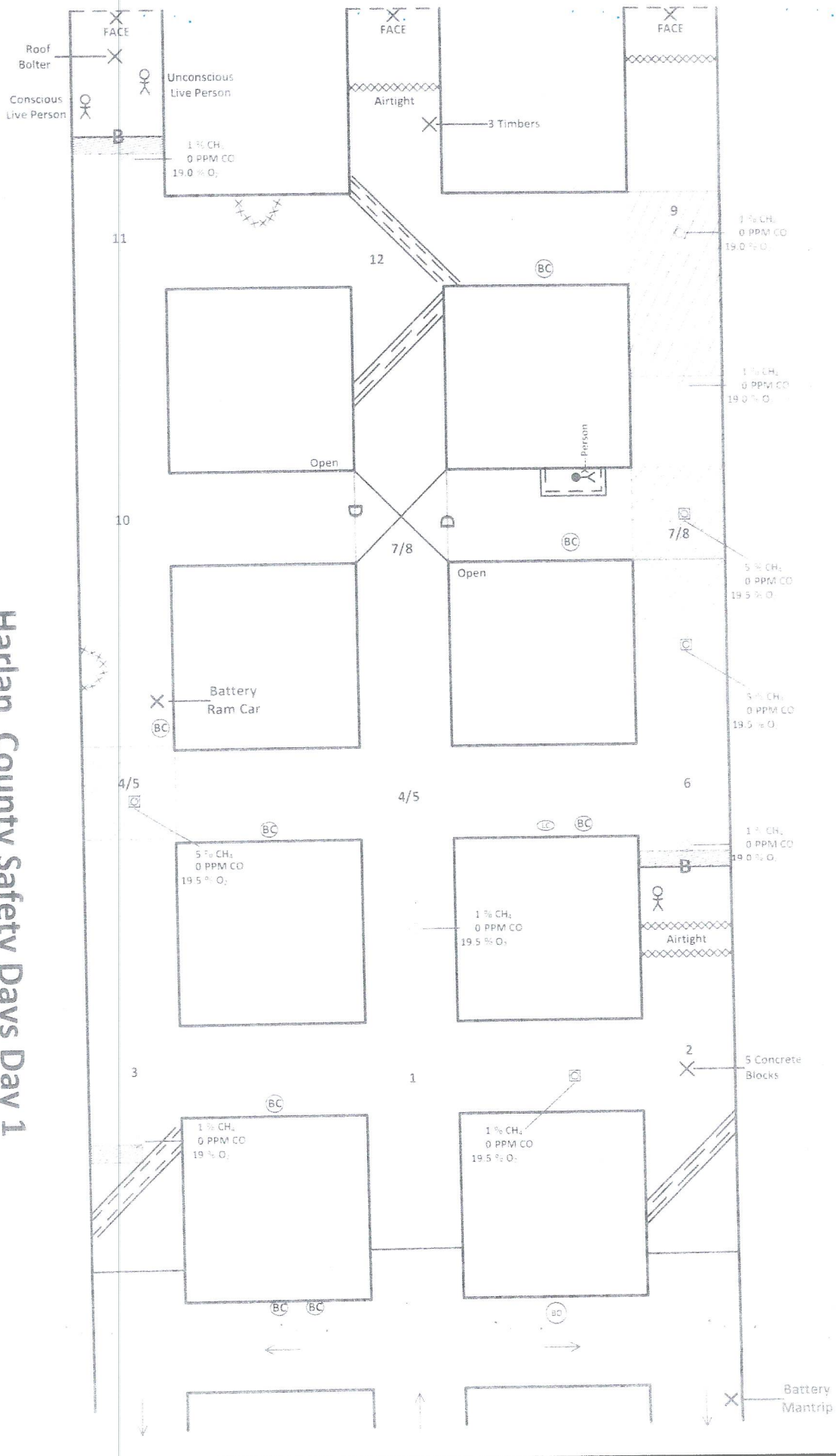
3

1

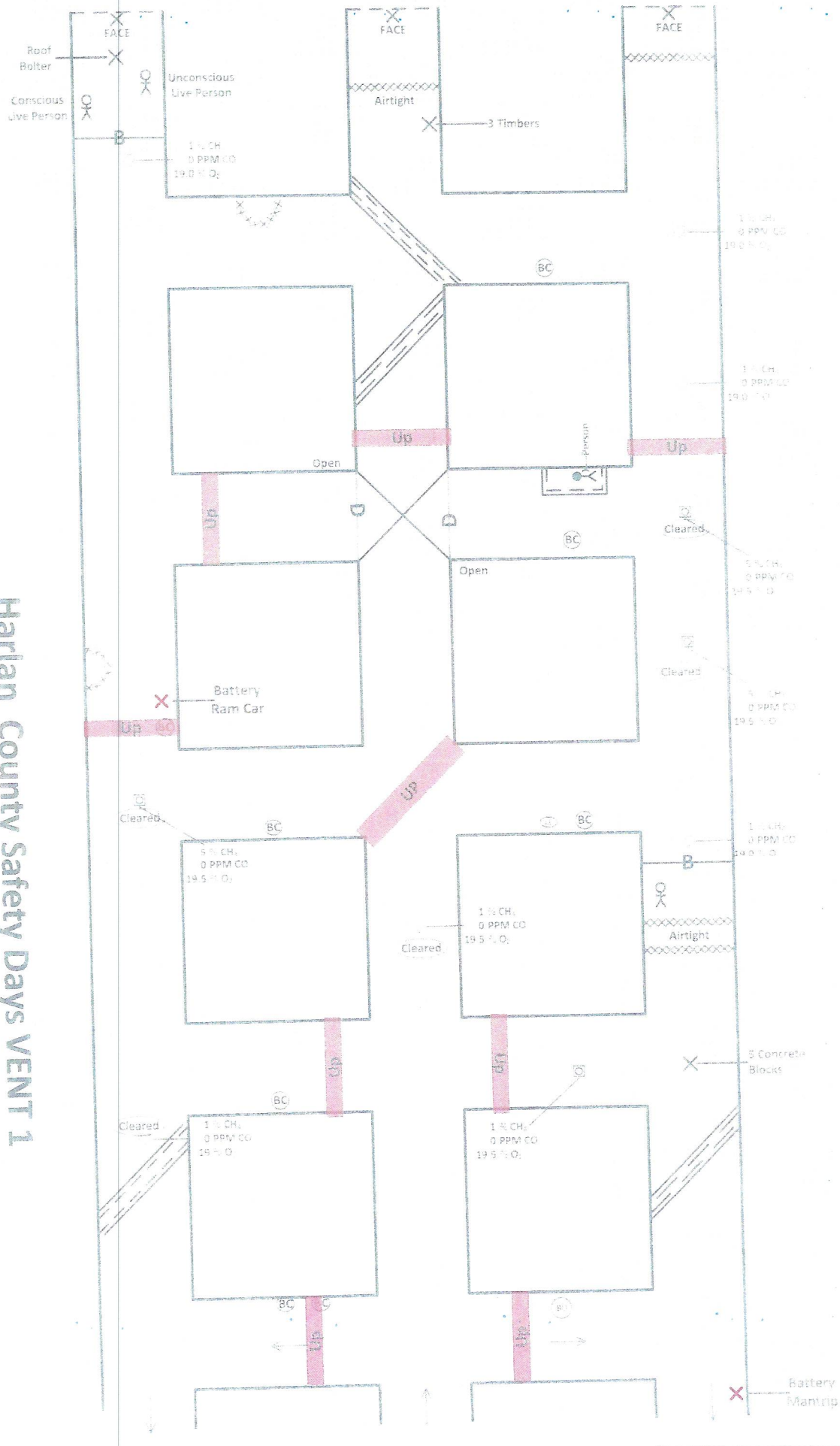
1% CH₄
0 PPM CO
19.0% O₂

1% CH₄
0 PPM CO
19.5% O₂

Battery Mantrip

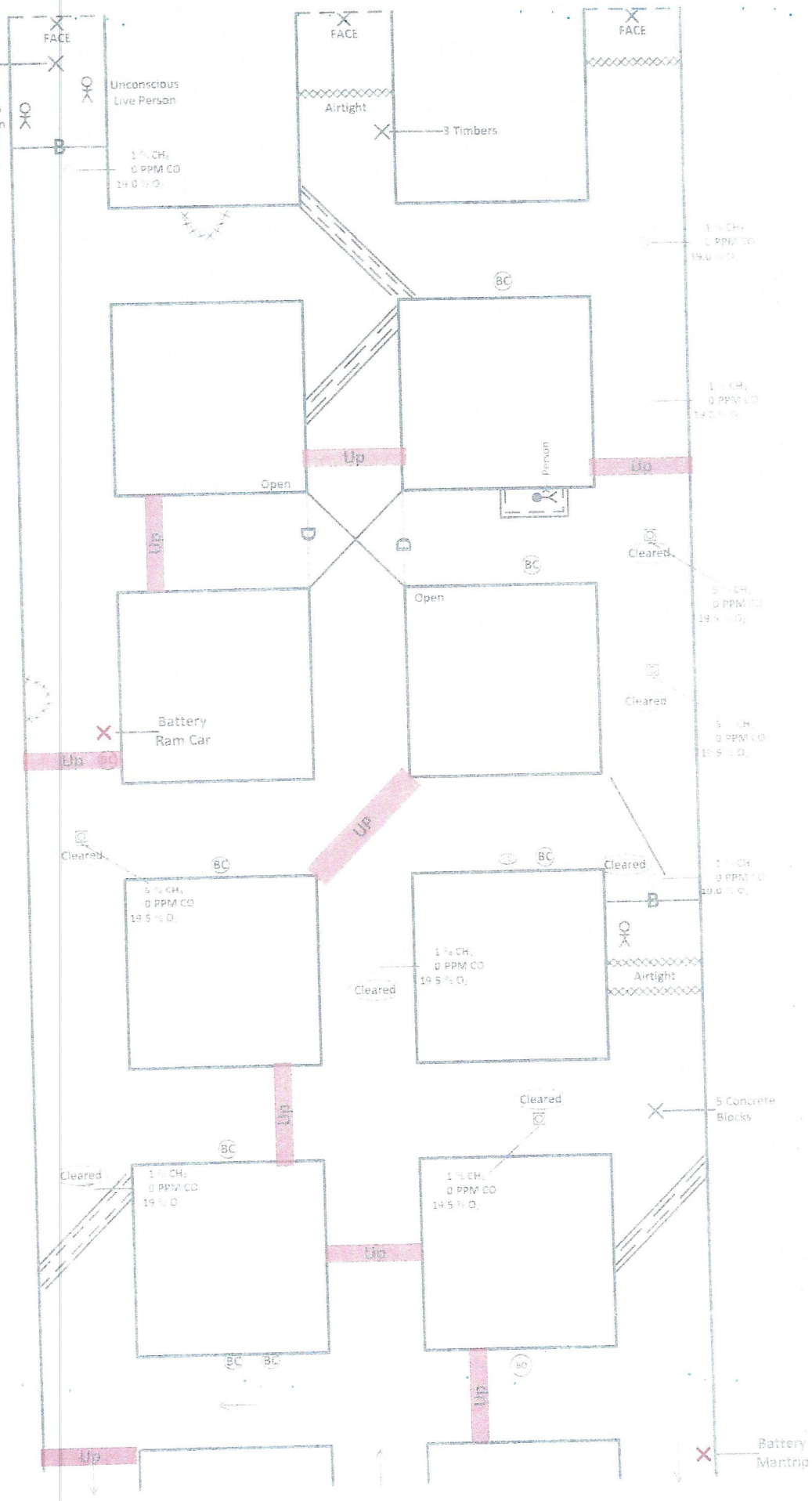


Harlan County Safety Days VENT 1

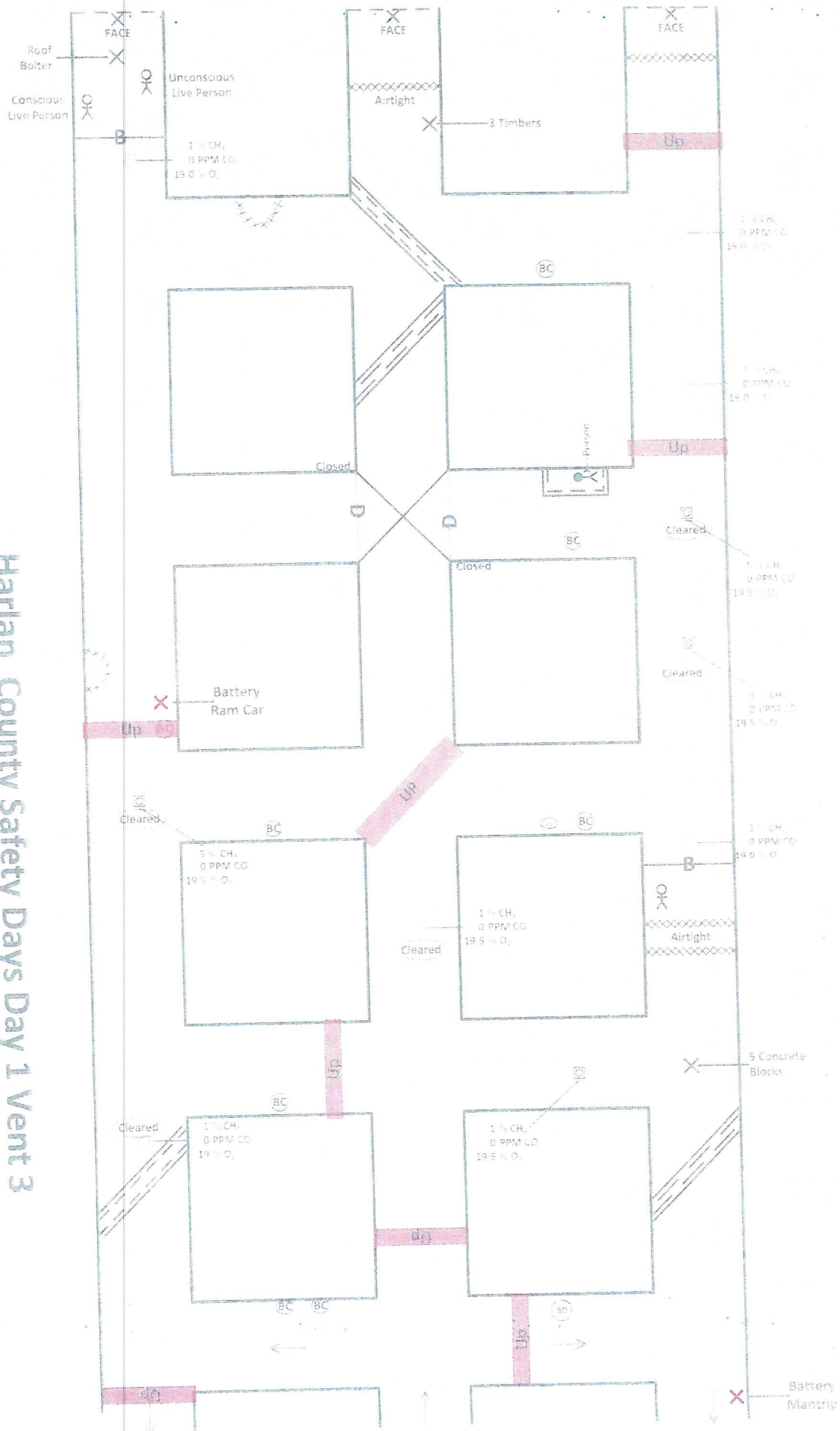


Roof
Bolter

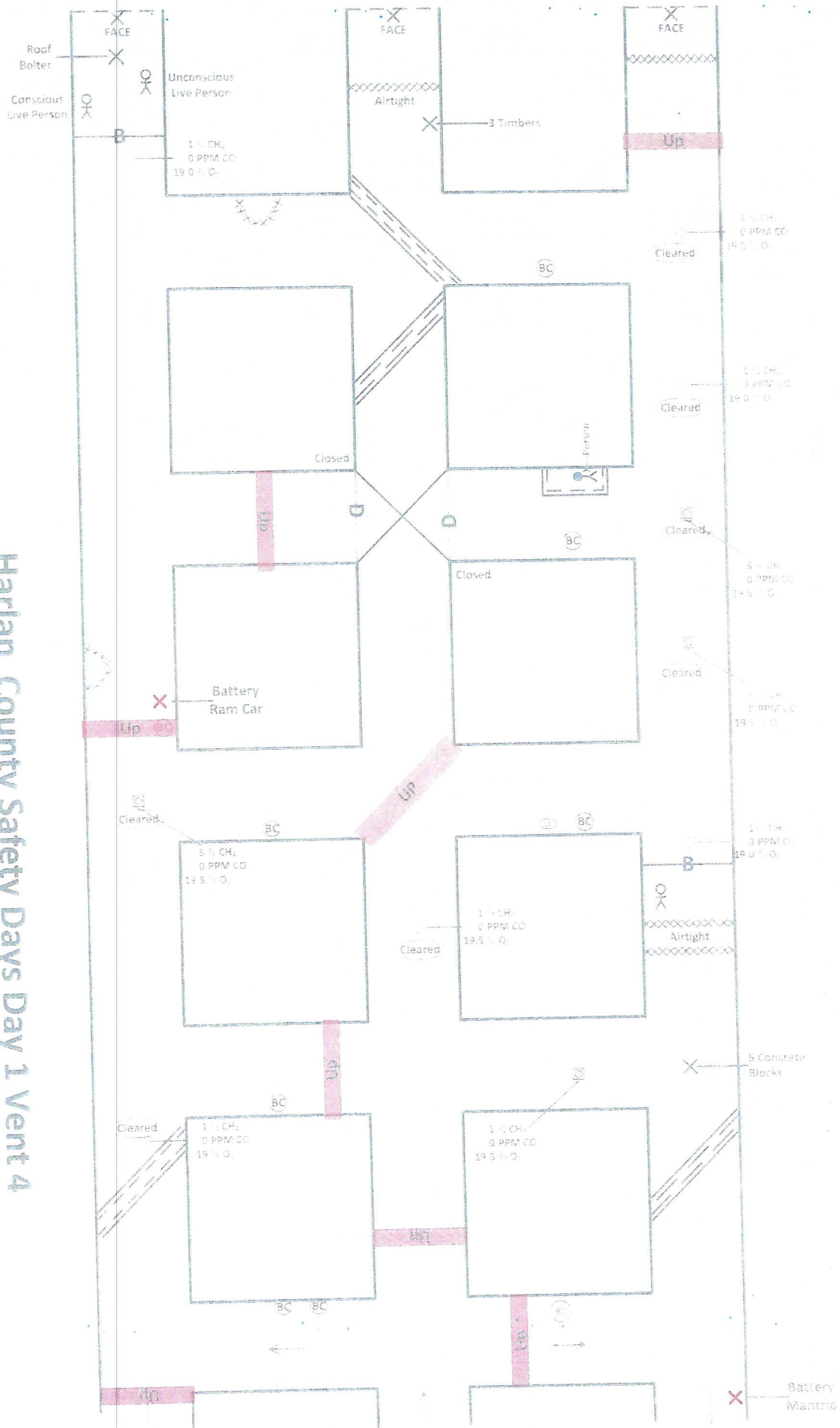
Conscious
Live Person



Harlan County Safety Days Day 1 Vent 3



Harlan County Safety Days Day 1 Vent 4



FINAL
VENT

