

2021 POST 11



MINE RESCUE CONTEST

2021 POST 11 MINE RESCUE CONTEST SUPERINTENDENT STATEMENT

Thank you for coming out to our call for help. You are located at the FAB of the Post 11 #1 mine. At 2:30 am this morning, we had an event that disrupted ventilation and caused damage to our exhaust fan. We are working to restore the fan and will inform the teams when we have it fixed. The Post 11 #1 mine is a single unit mine mining in virgin coal. At the time of the event, we had seven miners working underground. All are unaccounted for and could not be contacted by the mine communication system. Under normal mining conditions, intake air travels in the #1 and #2 entries and out the #3 entry. We have had problems with methane, bad roof, and ribs at this mine. We would like your team to help us locate the missing miners.

All-State and Federal agencies have been notified and are on-site as well as additional mine rescue teams to act as backup. This is all the information I have at this time.

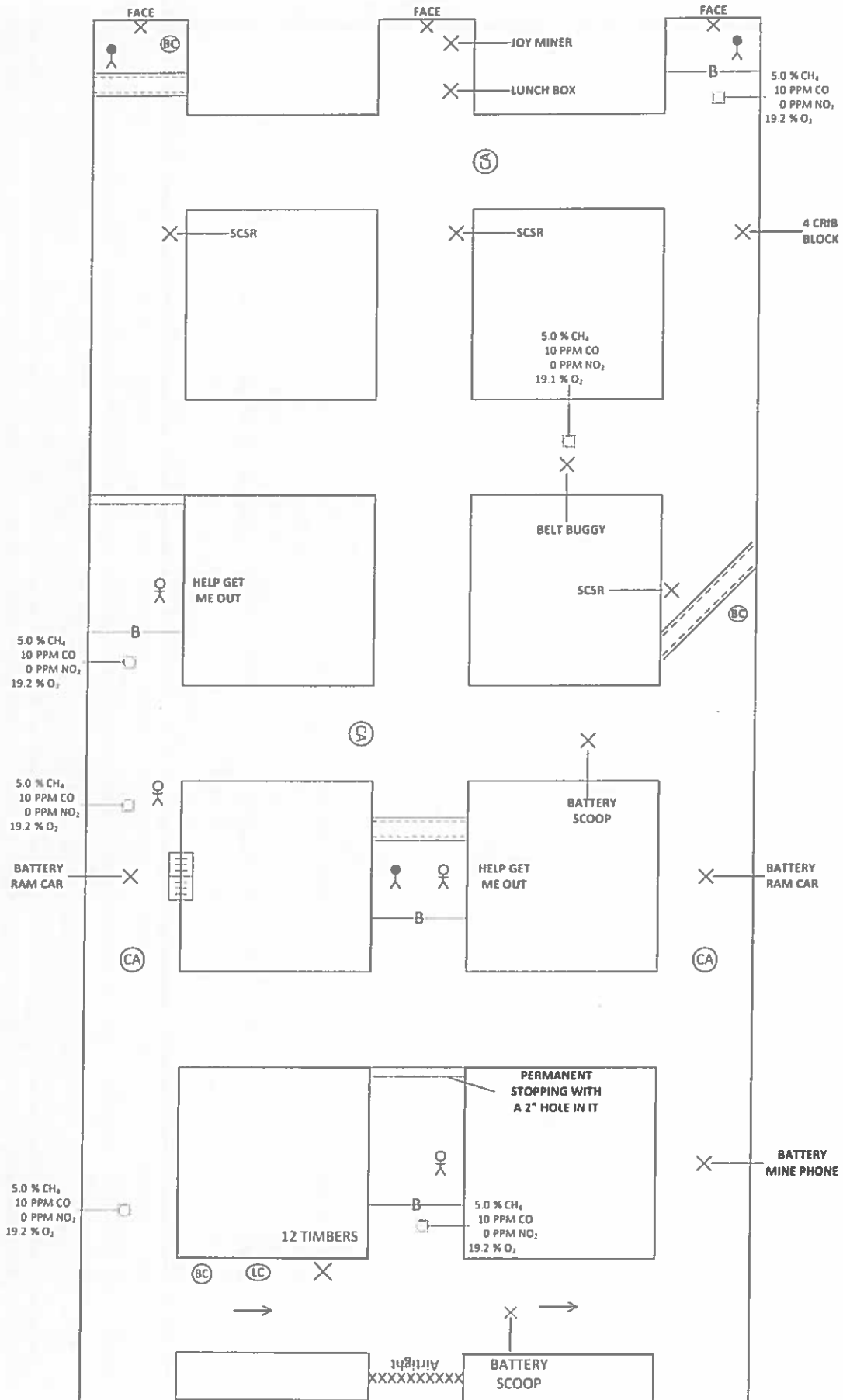
Thanks and good luck!

2021 POST 11

PROBLEM / WRITTEN INSTRUCTIONS

- Explore all areas of the mine that can be done safely
- Account for all missing miners
- Bring all survivors to the FAB
- The fan can be turned on and off if requested by the team
- The fan cannot be stalled or reversed
- You have 120 minutes to work this problem

2021 POST 11 PROBLEM MAP



2021 POST 11 MINE RESCUE CONTEST JUDGES BRIEFING

Number 1. entry GT the opening

Number 2. entry GT, GI the barricade

Number 3. entry GT the opening

Teams will travel up the number one entry

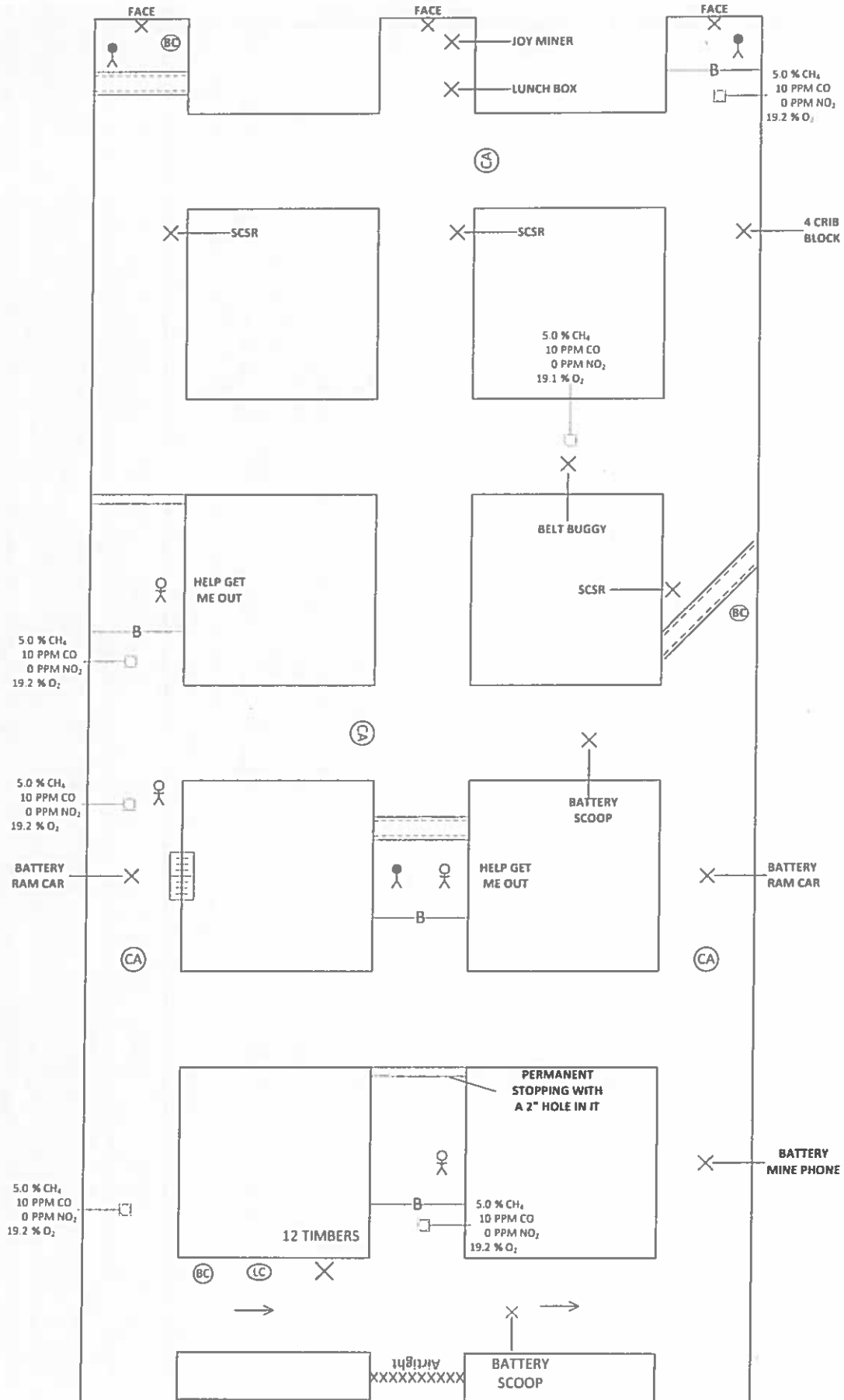
Team Stop One

- Crosscut between #1 & #2 GT
- Inby GT and teams will have to protect the patient and bring them to the FAB

Team Stop Two

- Crosscut between #2 & #3 GT
- Inby GT & DI at the barricade
- Outby GT tying back and the team will travel through the stopping with the 2" hole and protect the patient and bring them to the FAB

2021 POST 11 PROBLEM MAP



Team Stop Three

- **Inby GT**
- **Outby GT**
- **The team must now ventilate the barricade in the #2 entry. They can use the stopping with the hole in it located outby in the #2 entry and the BC in the FAB. This is a solid line map two of the three entries have to be blocked only.**

First Ventilation

- **Barricade GT & RR**
- **Unsafe GT & DI**
- **Patient - Touch, Assess & DI**
- **Take the patient to the FAB**

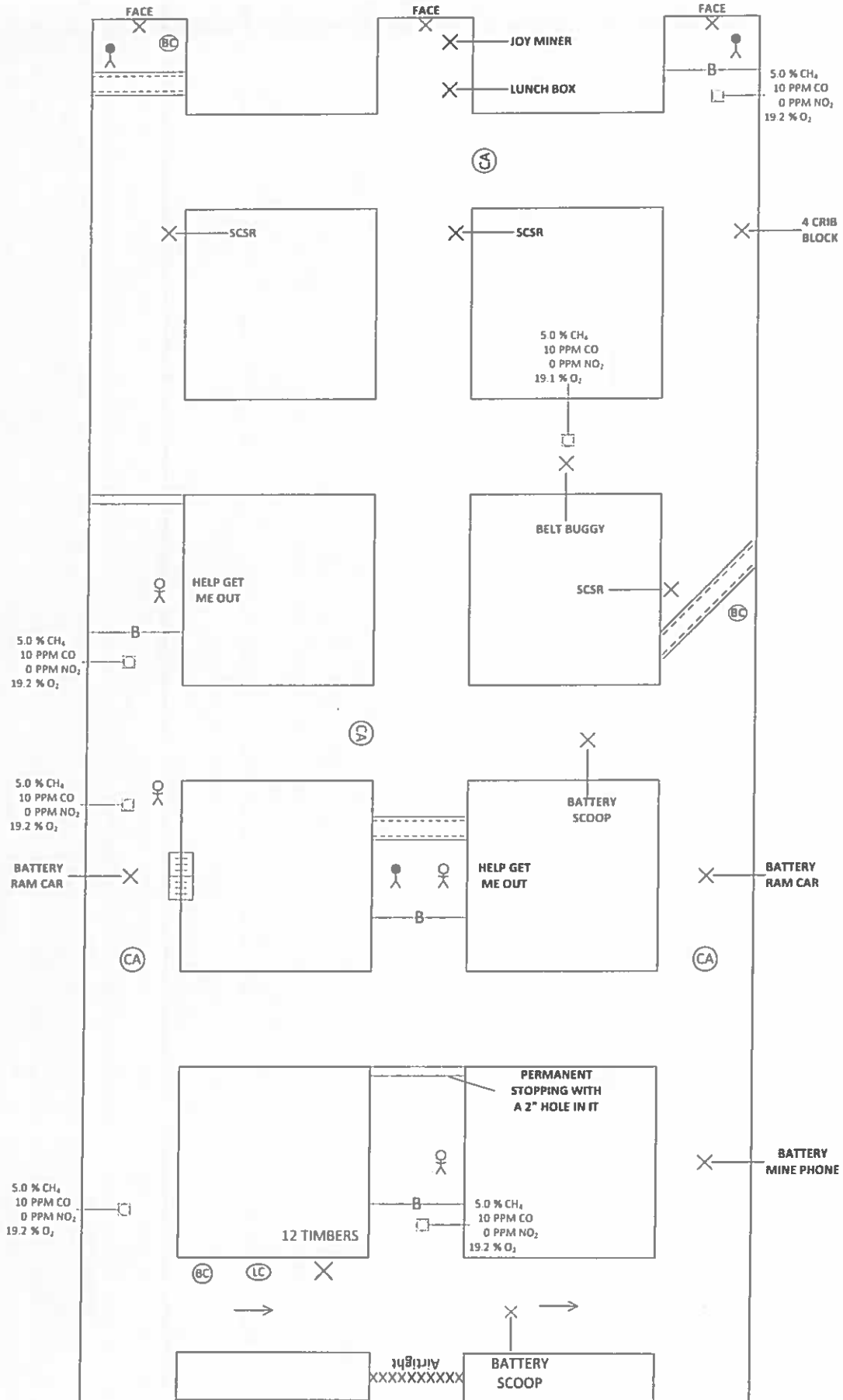
Team Stop Four

- **Crosscut between #1 & #2 GT**
- **GT & DI at the barricade**

Team Stop Five

- **Zig Zag & RR Intersection, GT unsafe**
- **Inby GT**
- **Crosscut between #2 & #3 entries GT**

2021 POST 11 PROBLEM MAP



Team Stop Six

- Inby RR, DI, & GT unsafe
- Outby GT
- Teams must now ventilate the barricade in the #1 entry. They can use the barricade from the #2 entry, the BC at the unsafe in the #3 entry, and the stoppings they used before

Second Ventilation

- The Team will need to remove the gas in front of the barricade
- Airlock to enter the barricade
- Barricade GT
- Patient – Touch, Assess & DI
- GT & DI permanent stopping
- Take the patient to the FAB

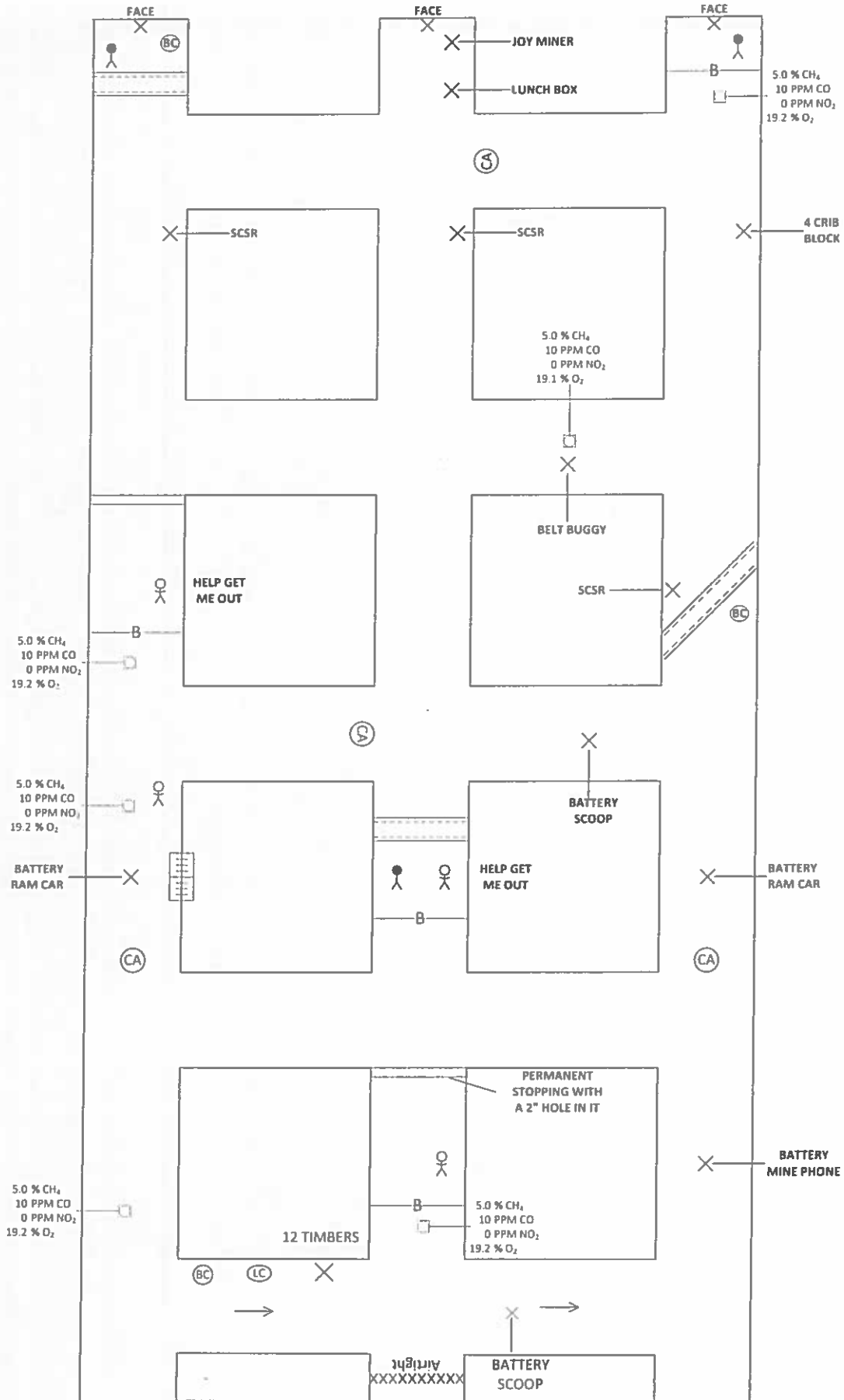
Team Stop Seven

- Inby GT
- Crosscut between #1 & #2 entries GT
- Crosscut between #2 & #3 entries GT

Team Stop Eight

- Inby GT
- Outby RR, GT & DI unsafe

2021 POST 11 PROBLEM MAP



Team Stop Nine

- Inby GT
- Outby GT & DI stopping

Team Stop Ten

- Inby GT & DI barricade
- Crosscut between #2 & #3 entries GT

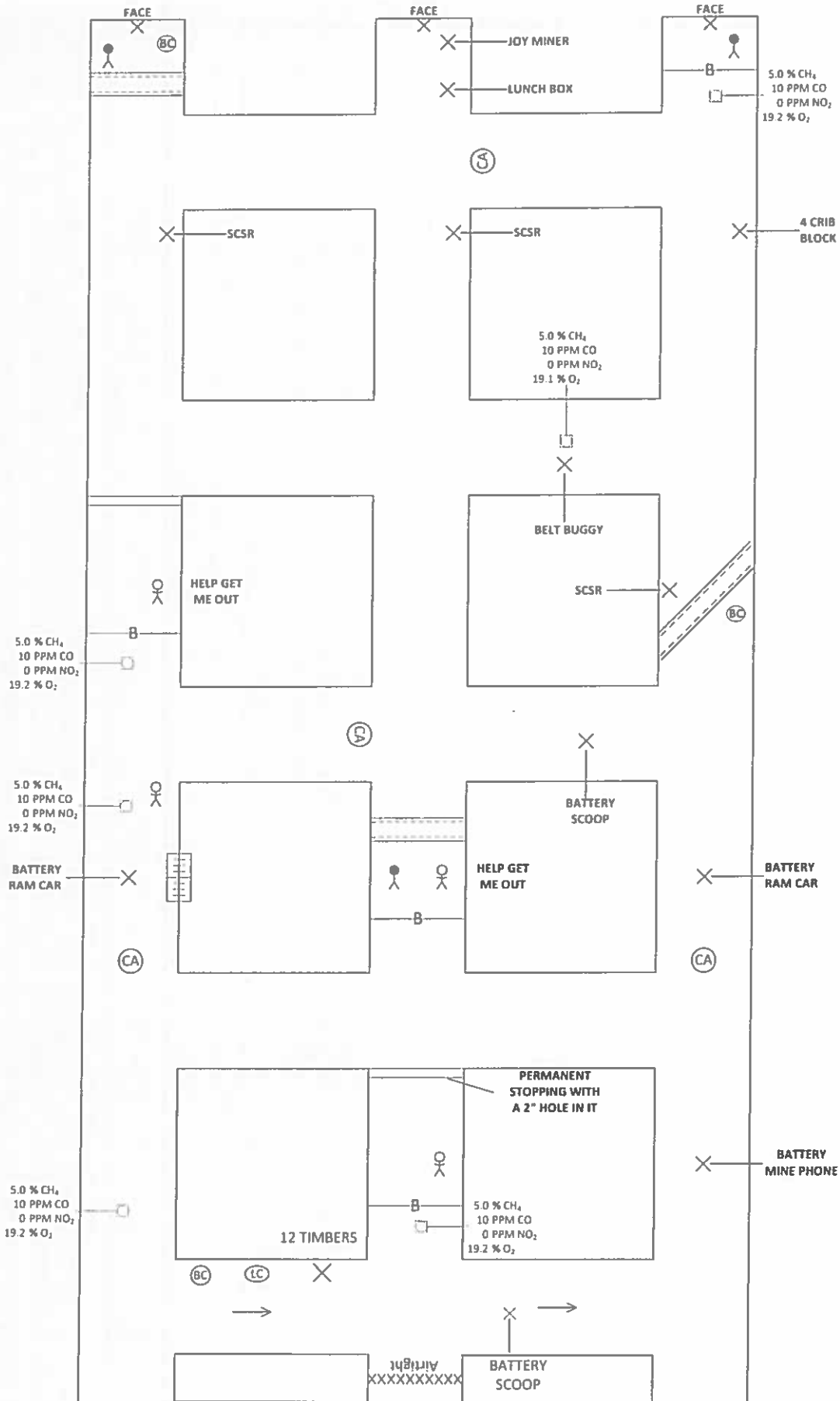
Team Stop Eleven

- Inby RR, DI, & GT face
- Open lunch Box
- Outby GT
- Crosscut between #1 & #2 entries GT

Team Stop Twelve

- Inby RR, DI, & GT
- Outby GT
- The Team timber through the unsafe
- Body – Touch & DI
- Face RR, DI, & GT
- Teams must now ventilate the barricade in the #3 entry. The BC here gives them enough builds to ventilate

2021 POST 11 PROBLEM MAP



Third Ventilation

- The team will need to remove the gas in front of the barricade
- Airlock to enter the barricade
- Entering the barricade GT
- Patient – Touch, Assess, & DI
- Body – Touch & DI
- Face RR, DI, & GT
- Take the patient to FAB

STOP THE CLOCK

Team Stop Three

- **Inby GT**
- **Outby GT**
- **The team must now ventilate the barricade in the #2 entry. They can use the stopping with the hole in it located outby in the #2 entry and the BC in the FAB. This is a solid line map two of the three entries have to be blocked only.**

First Ventilation

- **Barricade GT & RR**
- **Unsafe GT & DI**
- **Patient - Touch, Assess & DI**
- **Take the patient to the FAB**

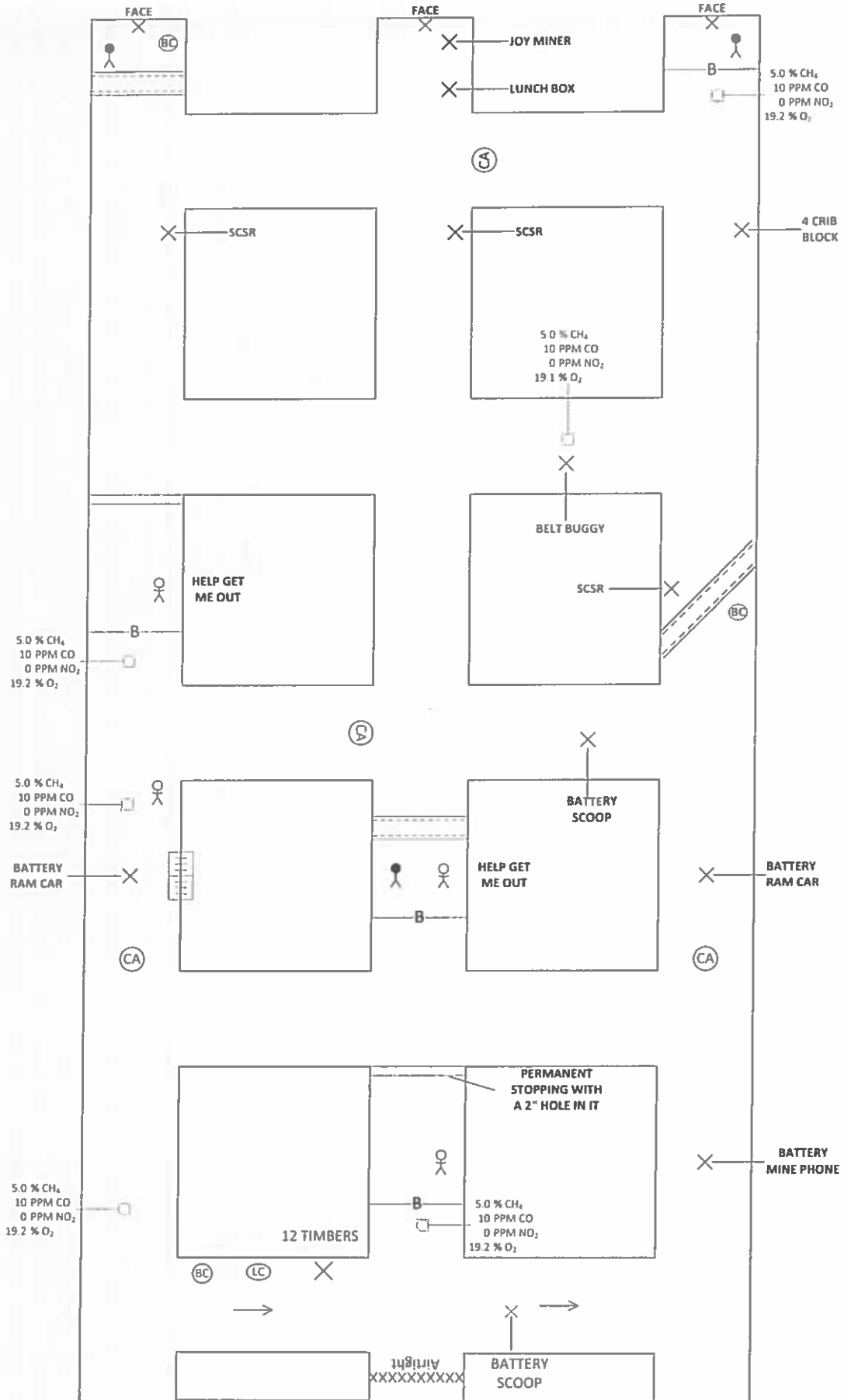
Team Stop Four

- **Crosscut between #1 & #2 GT**
- **GT & DI at the barricade**

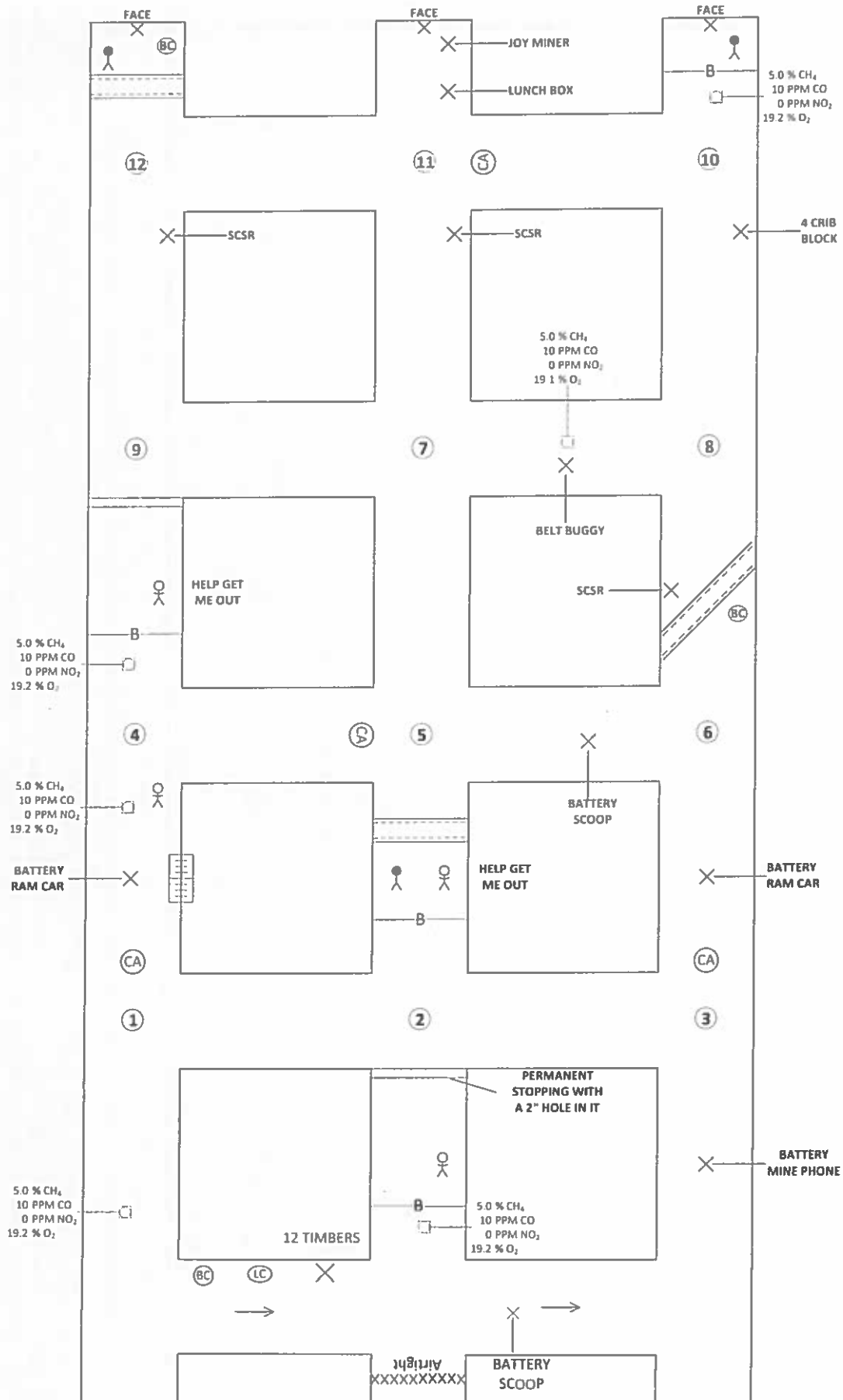
Team Stop Five

- **Zig Zag & RR Intersection, GT unsafe**
- **Inby GT**
- **Crosscut between #2 & #3 entries GT**

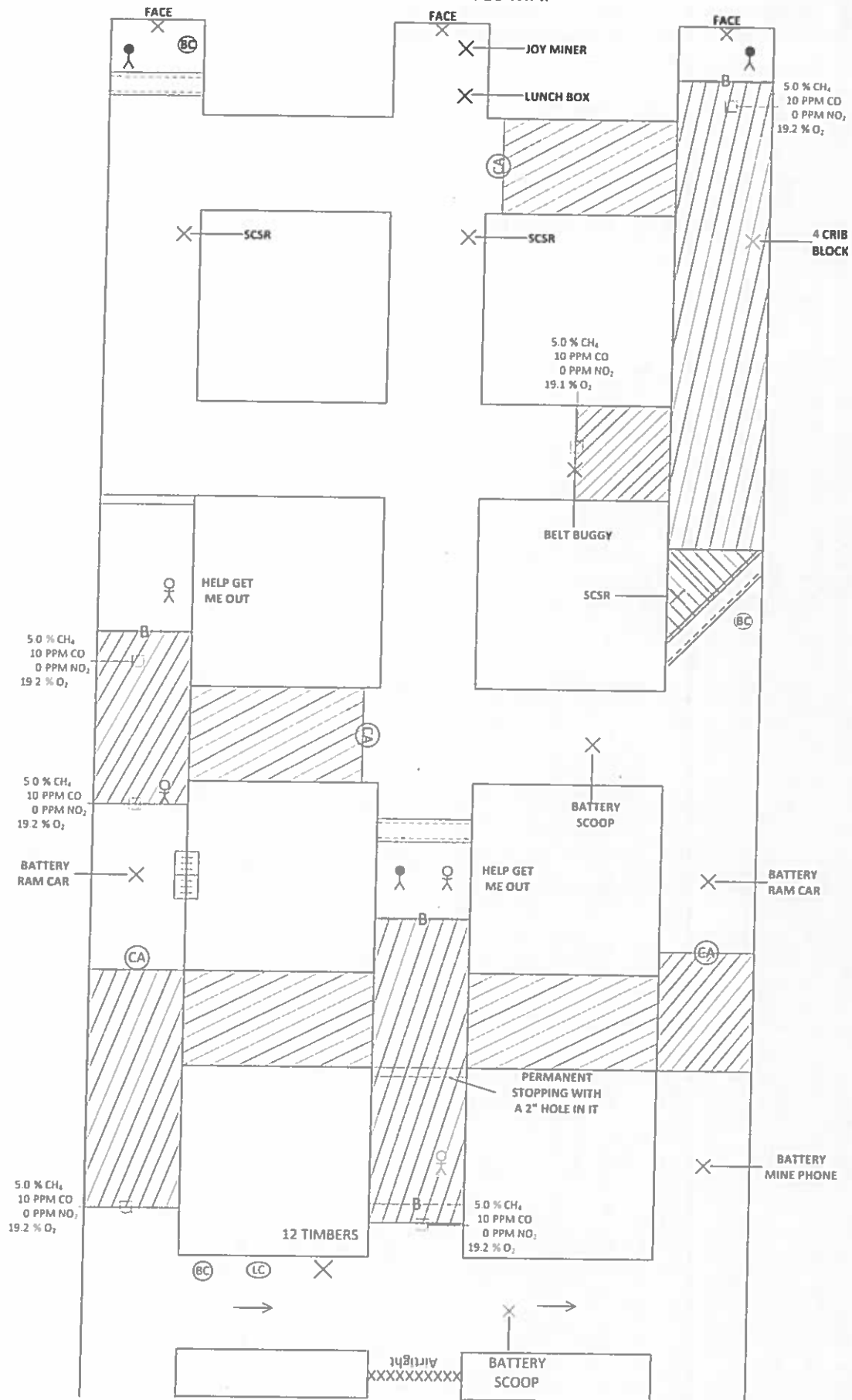
2021 POST 11 PROBLEM MAP



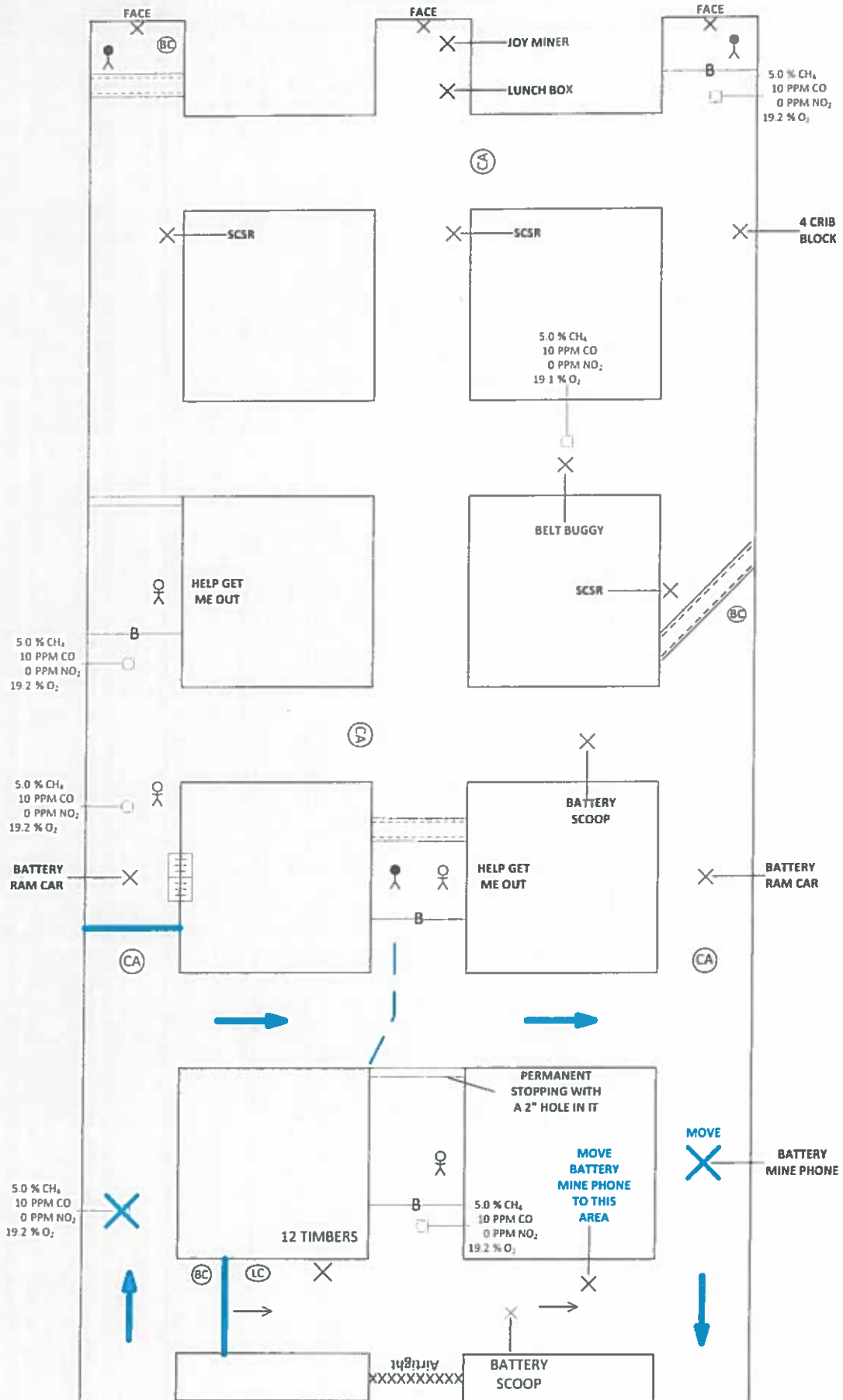
2021 POST 11 TEAM STOP MAP



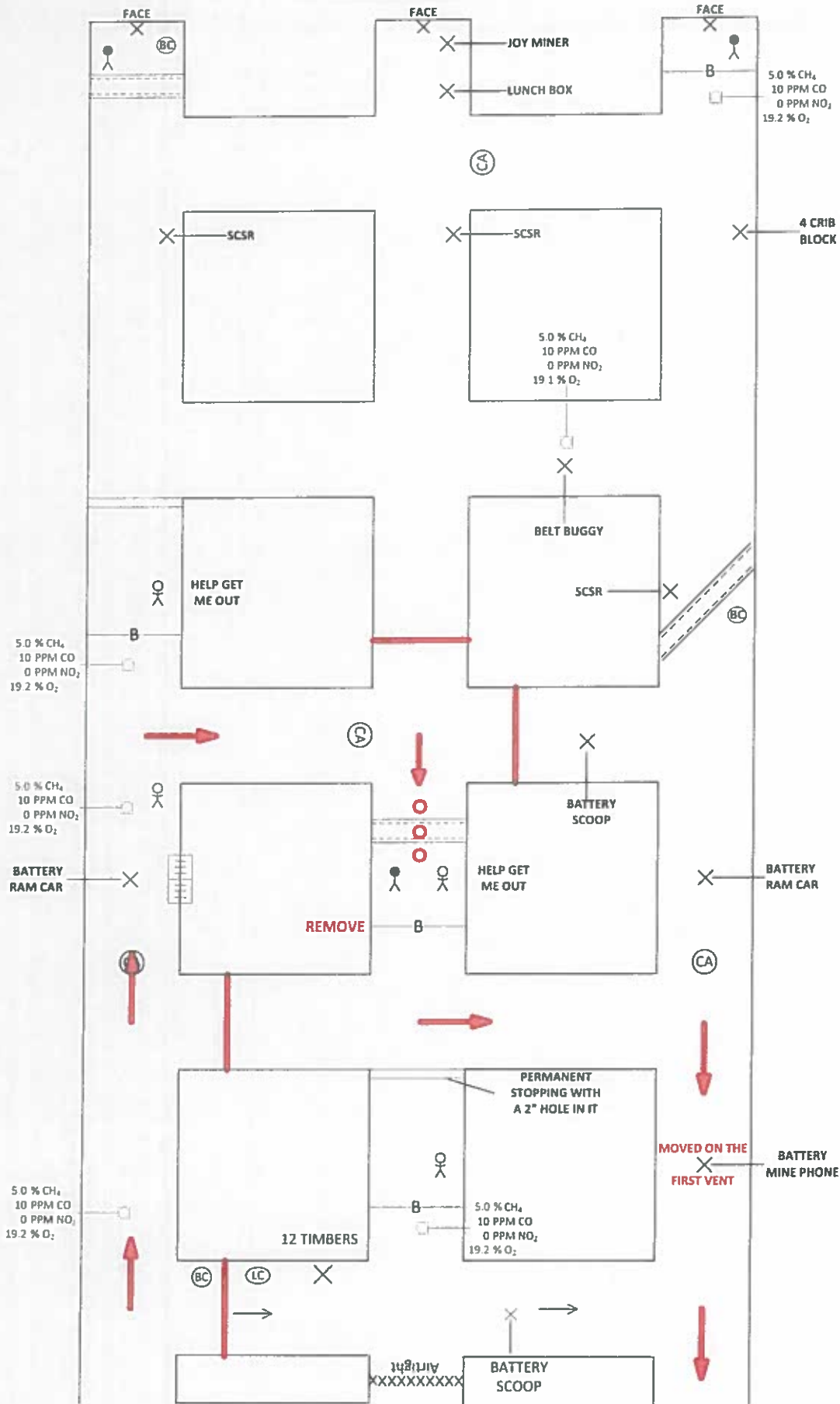
2021 POST 11 EXTENT OF GASES MAP



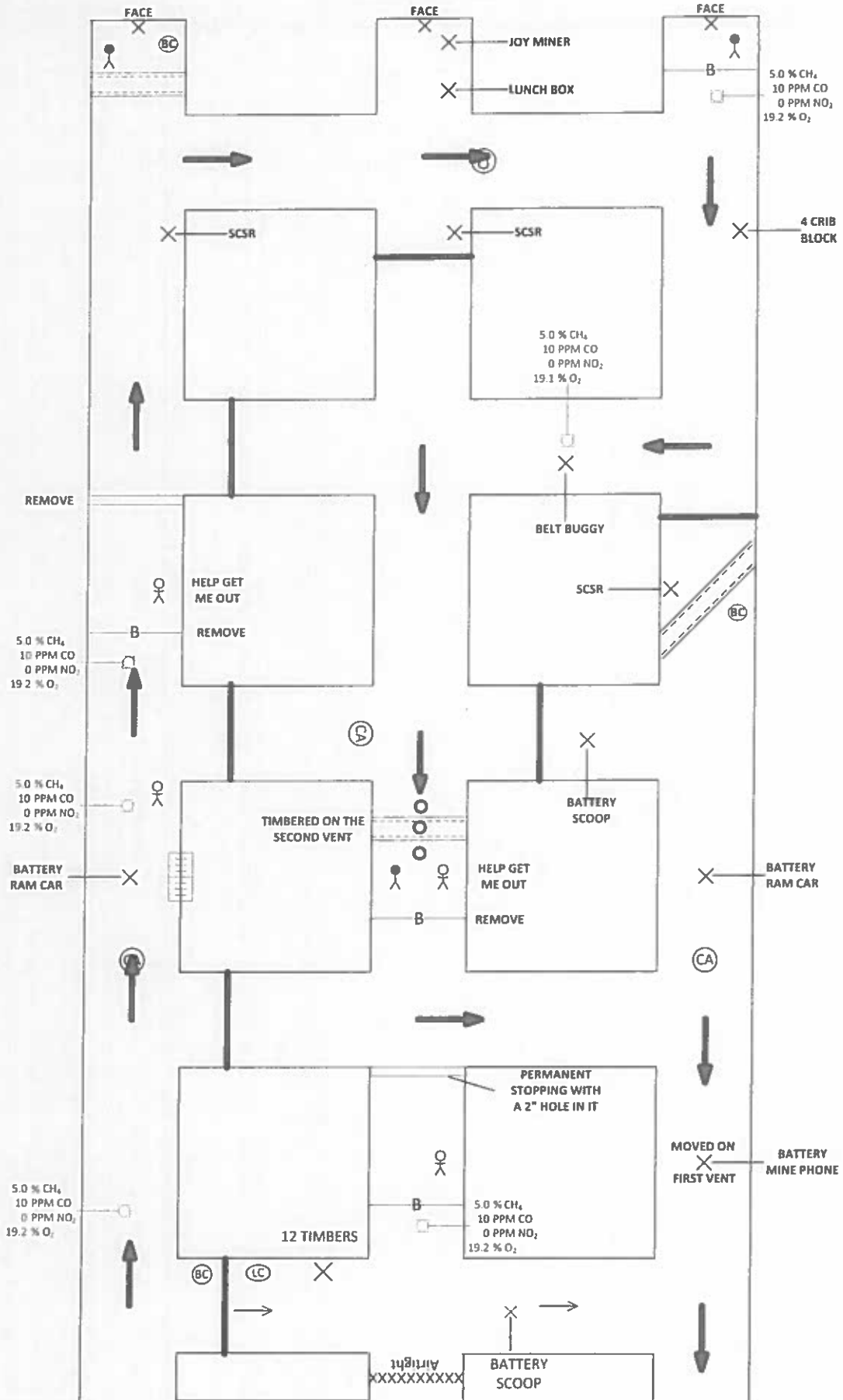
2021 POST 11 FIRST VENT MAP



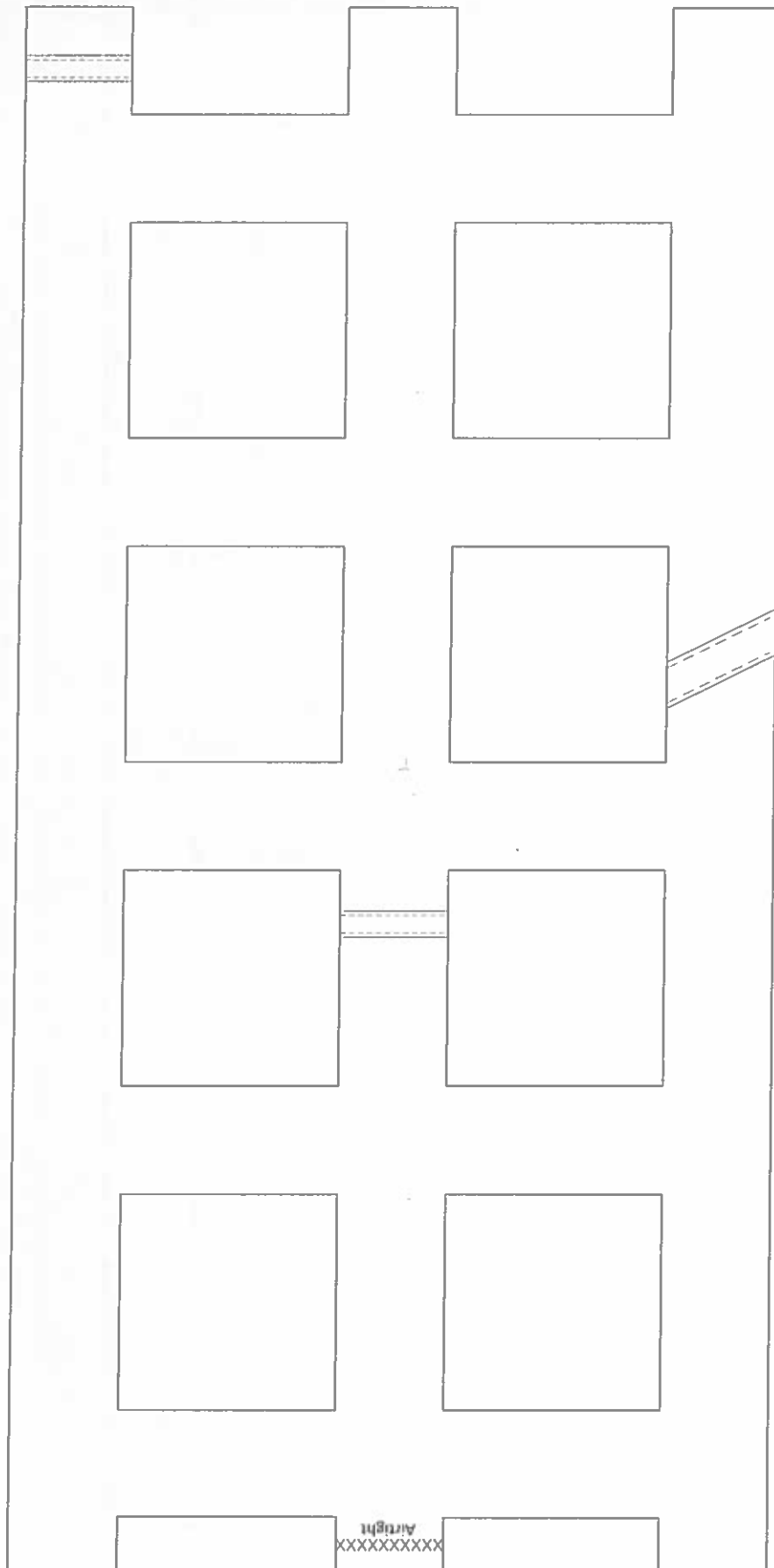
2021 POST 11 SECOND VENT MAP



2021 POST 11 THIRD VENT MAP



2021 POST 11
BLANK MAP



PATIENT'S STATEMENT

**HELP GET
ME OUT!!**