2021 POST 11



WE RESCUE CONTES

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.

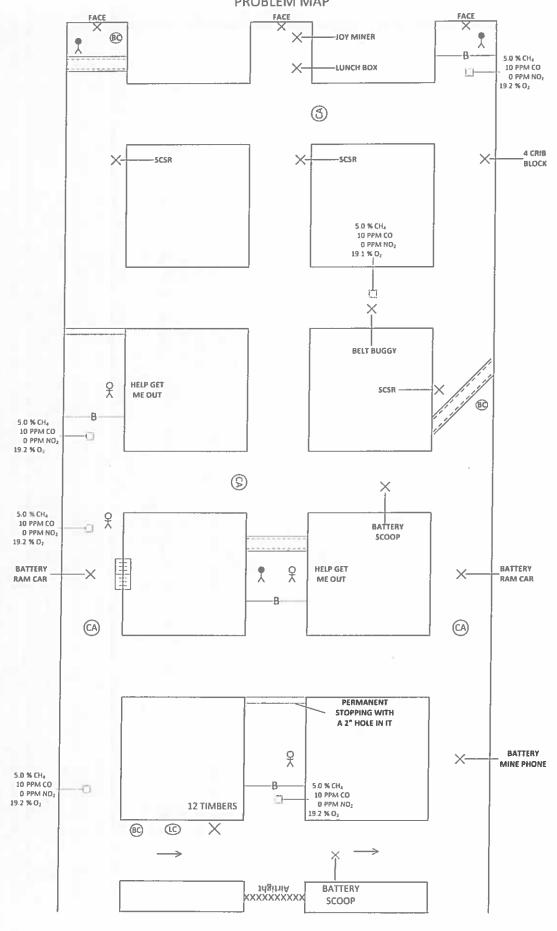
All-State and Federal agencies have been notified and are onsite as well as additional mine rescue teams to act as backup. This is all the information I have at this time.

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

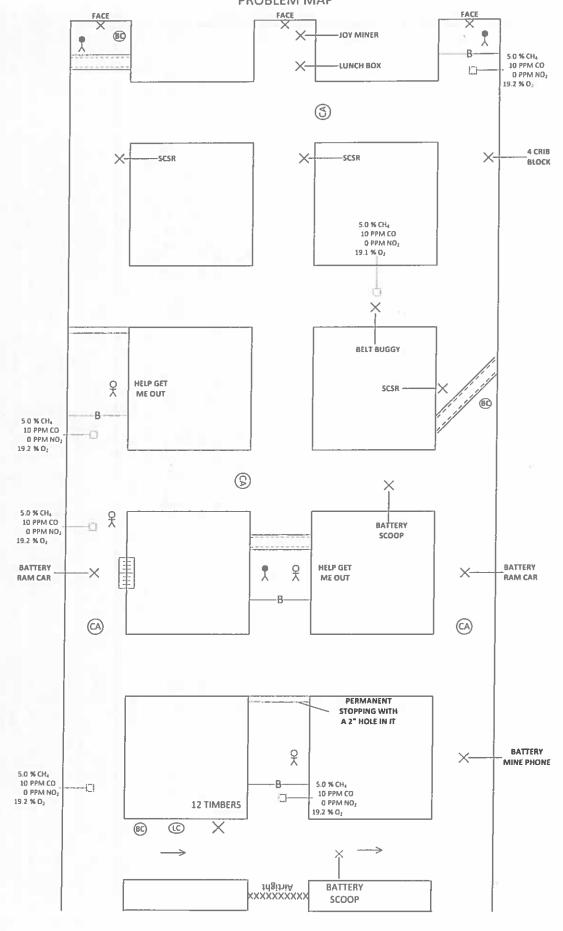
Team Stop One

- ➤ 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

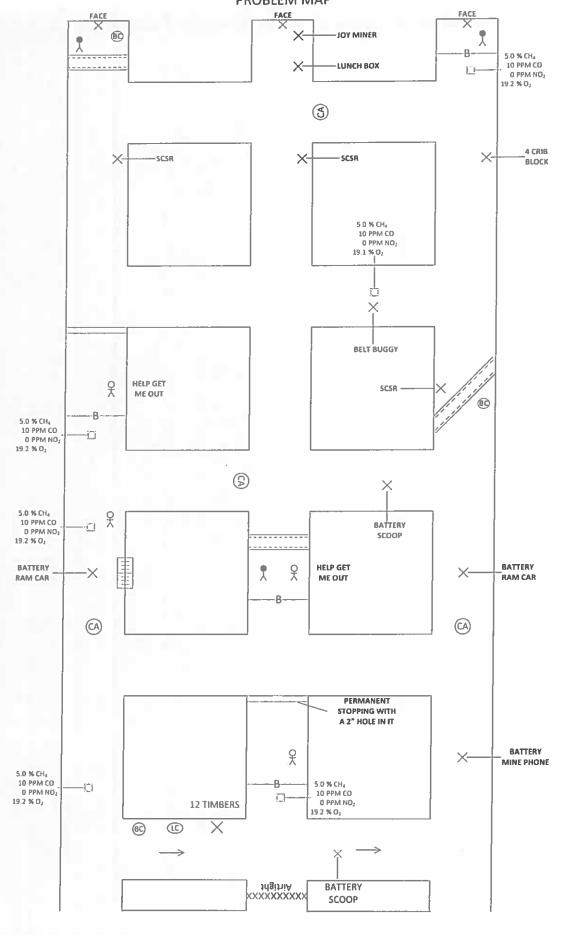
Team Stop Four

- 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

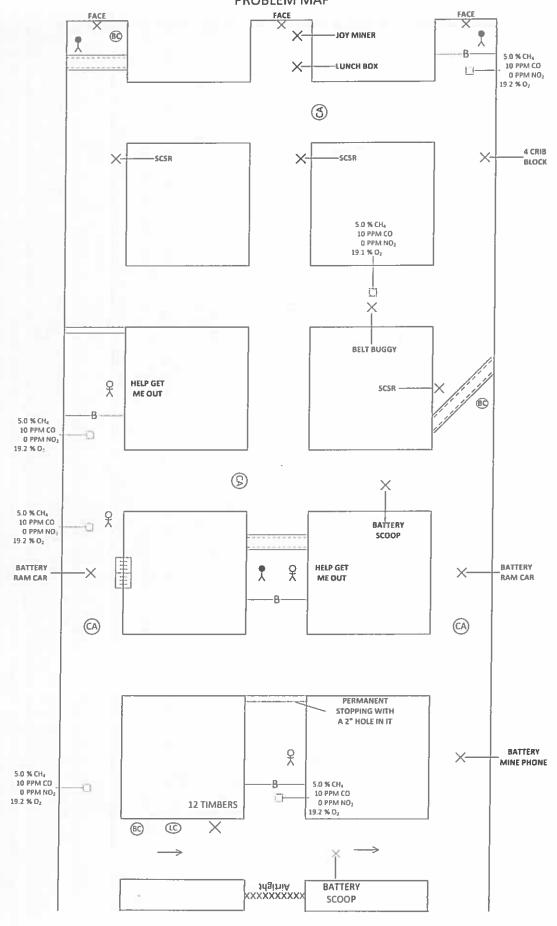
Team Stop Seven

- ➤ 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

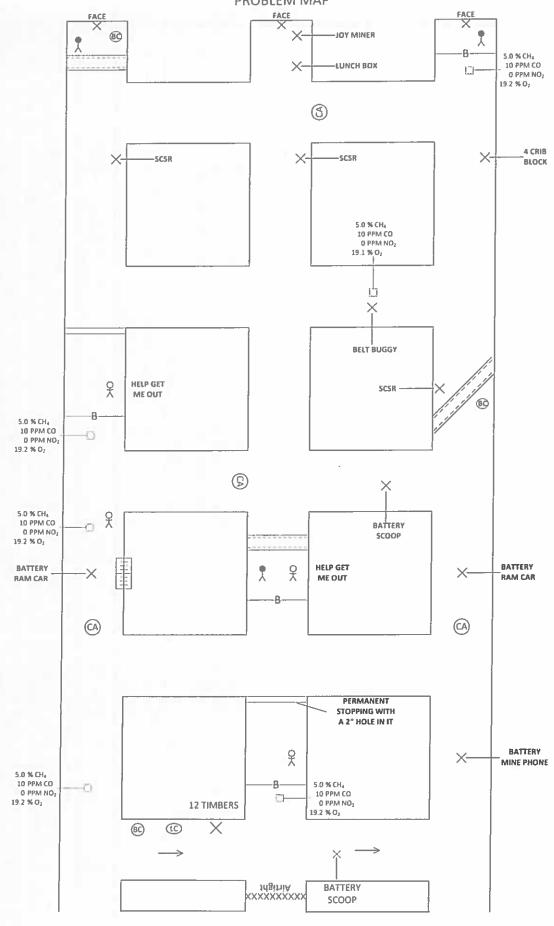
Team Stop Eleven

- ➤ 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

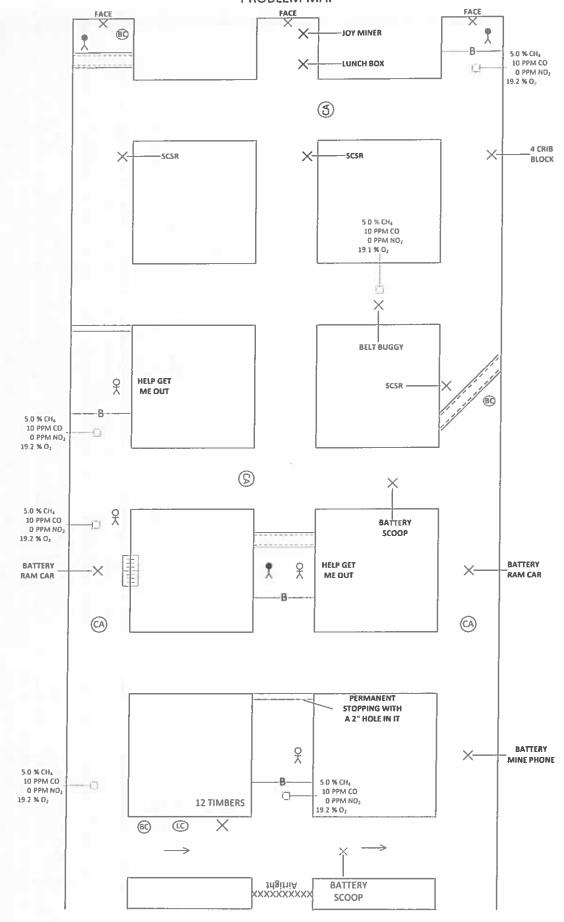
Team Stop Four

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

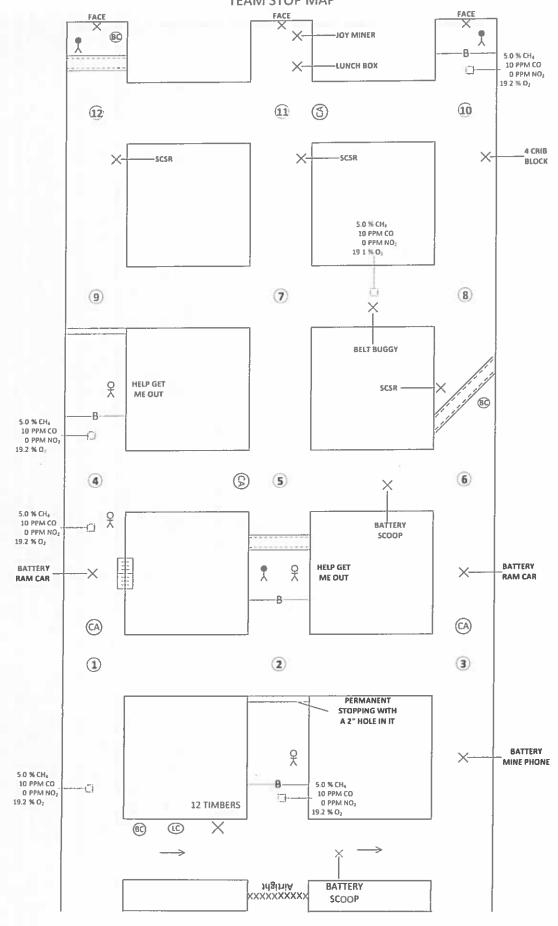
Team Stop Five

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

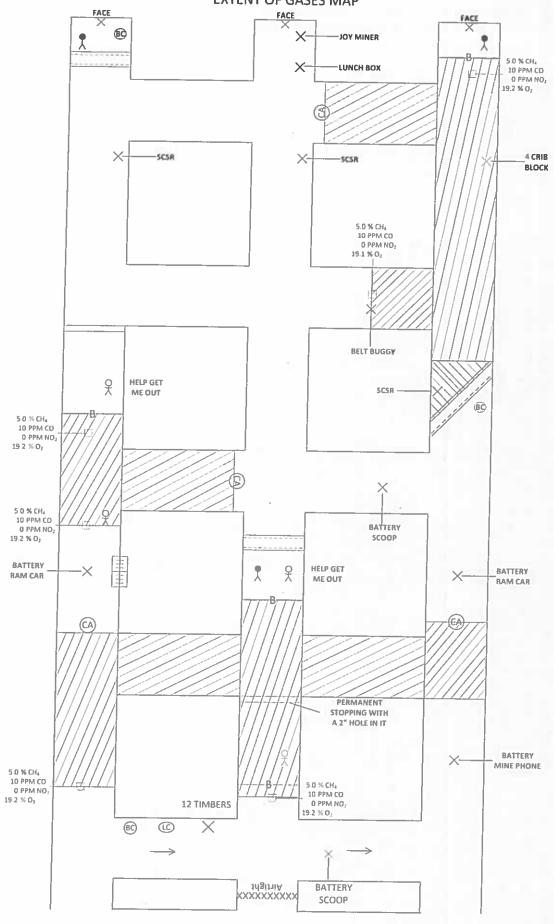
2021 POST 11 PROBLEM MAP



2021 POST 11 TEAM STOP MAP



2021 POST 11 EXTENT OF GASES MAP



2021 POST 11 **FIRST VENT MAP** FACE FINIM YOL (80) 5.0 % CH₄ 10 PPM CO 0 PPM NO₂ 19.2 % O₃ B LUNCH BOX (3) 4 CRIB SCSR SCSR. BLOCK 5.0 % CH₄ 10 PPM CD 0 PPM NO: 19 1 % 02 BELT BUGGY HELP GET SCSR ME OUT 5.0 % CH₄ 10 PPM CO O PPM NO 19.2 % O₂ (2) 5.0 % CH₄ 10 PPM CO BATTERY D PPM NO₂ SCOOP 19.2 % O₂ BATTERY BATTERY **HELP GET** RAM CAR ME OUT RAM CAR CA (CA) PERMANENT STOPPING WITH A 2" HOLE IN IT MOVE MOVE BATTERY 웃 BATTERY MINE PHONE MINE PHONE 5.0 % CH₄ 10 PPM CO TO THIS 5.0 % CH₄ 10 PPM CO 0 PPM NO AREA 19.2 % 0: 0 PPM NO₂ 19.2 % O; 12 TIMBERS

XXXXXXXXXX JdBirliA X

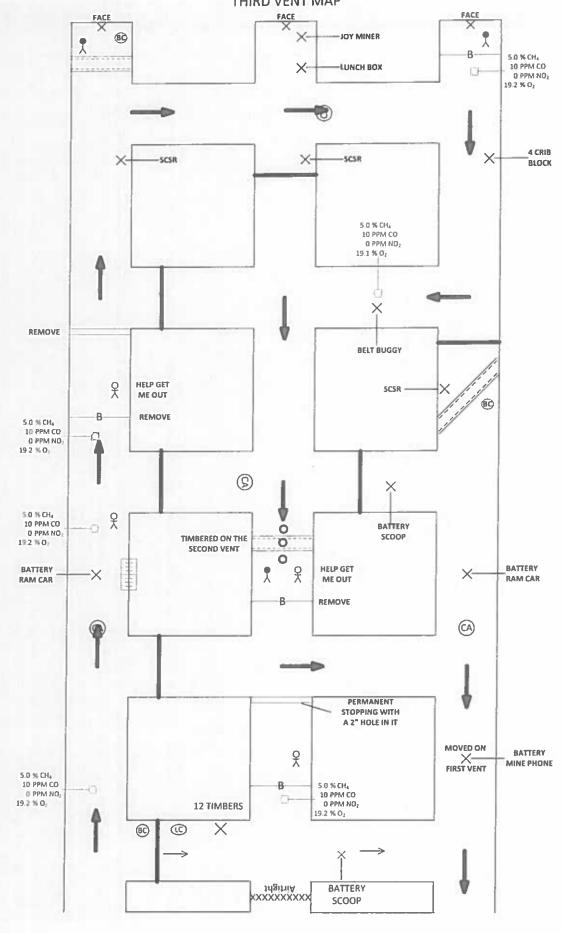
BATTERY SCOOP

80

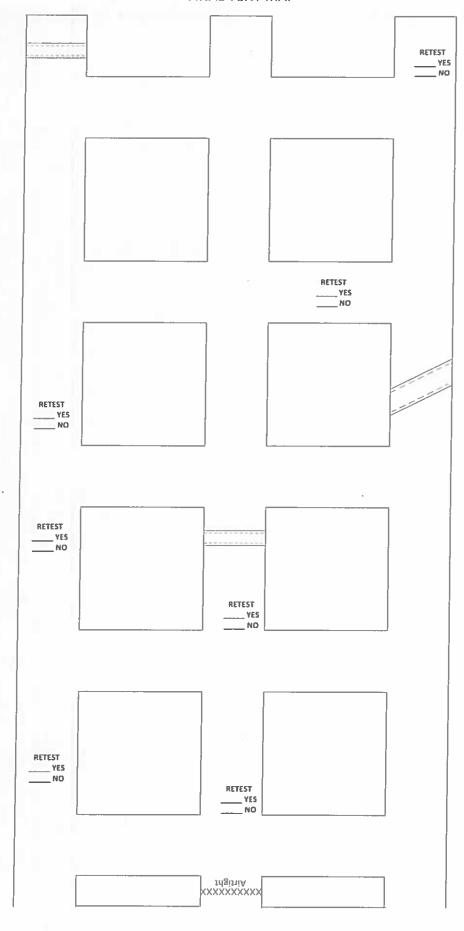
(1)

2021 POST 11 SECOND VENT MAP FACE JOY MINER В 5.0 % CH₄ 10 PPM CO 0 PPM NO₂ 19.2 % O₂ -LUNCH BOX (3) 4 CRIB X -SCSR SCSR BLOCK 5.0 % CH₄ 10 PPM CO 0 PPM NO₂ 19 1 % O₂ BELT BUGGY HELP GET **SCSR** ME OUT 5.0 % CH₄ 10 PPM CO 0 PPM NO₂ 19.2 % 0; (2) 5.0 % CH₄ 10 PPM CO 0 BATTERY O PPM NO₂ SCOOP 19.2 % O₂ ٥ 0 HELP GET BATTERY BATTERY RAM CAR RAM CAR ME OUT REMOVE В PERMANENT STOPPING WITH A 2" HOLE IN IT MOVED ON THE BATTERY 웃 X-FIRST VENT MINE PHONE 5.0 % CH₄ 10 PPM CO 5.0 % CH₄ 10 PPM CO O PPM NO 19.2 % O₂ 0 PPM NO₂ 19.2 % O₂ 12 TIMBERS (BC) (1) XXXXXXXXX fdginiA BATTERY SCOOP

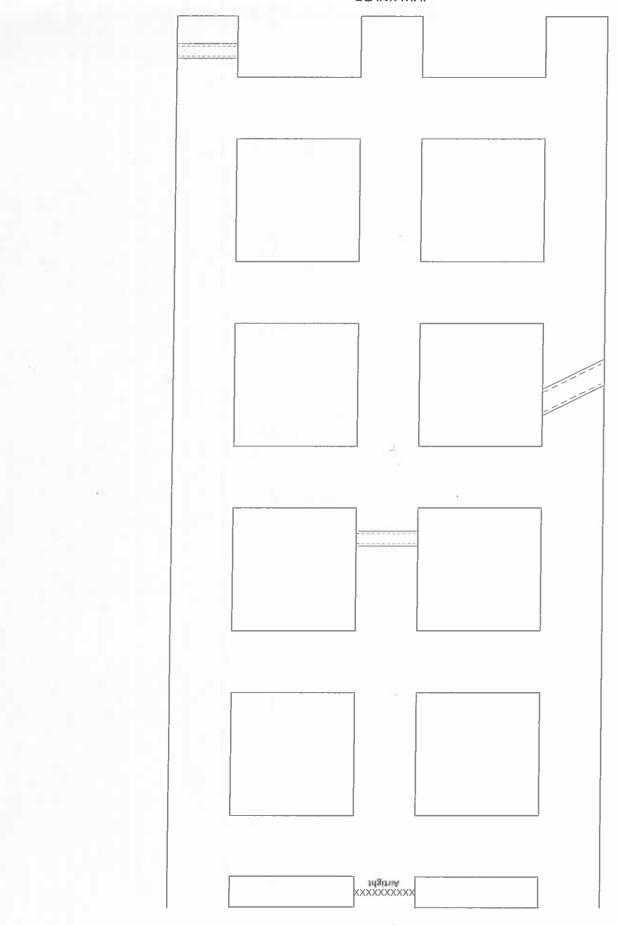
2021 POST 11 THIRD VENT MAP



2021 POST 11 FINAL VENT MAP



2021 POST 11 BLANK MAP



PATIENT'S STATEMENT

HELP GET ME OUT!!