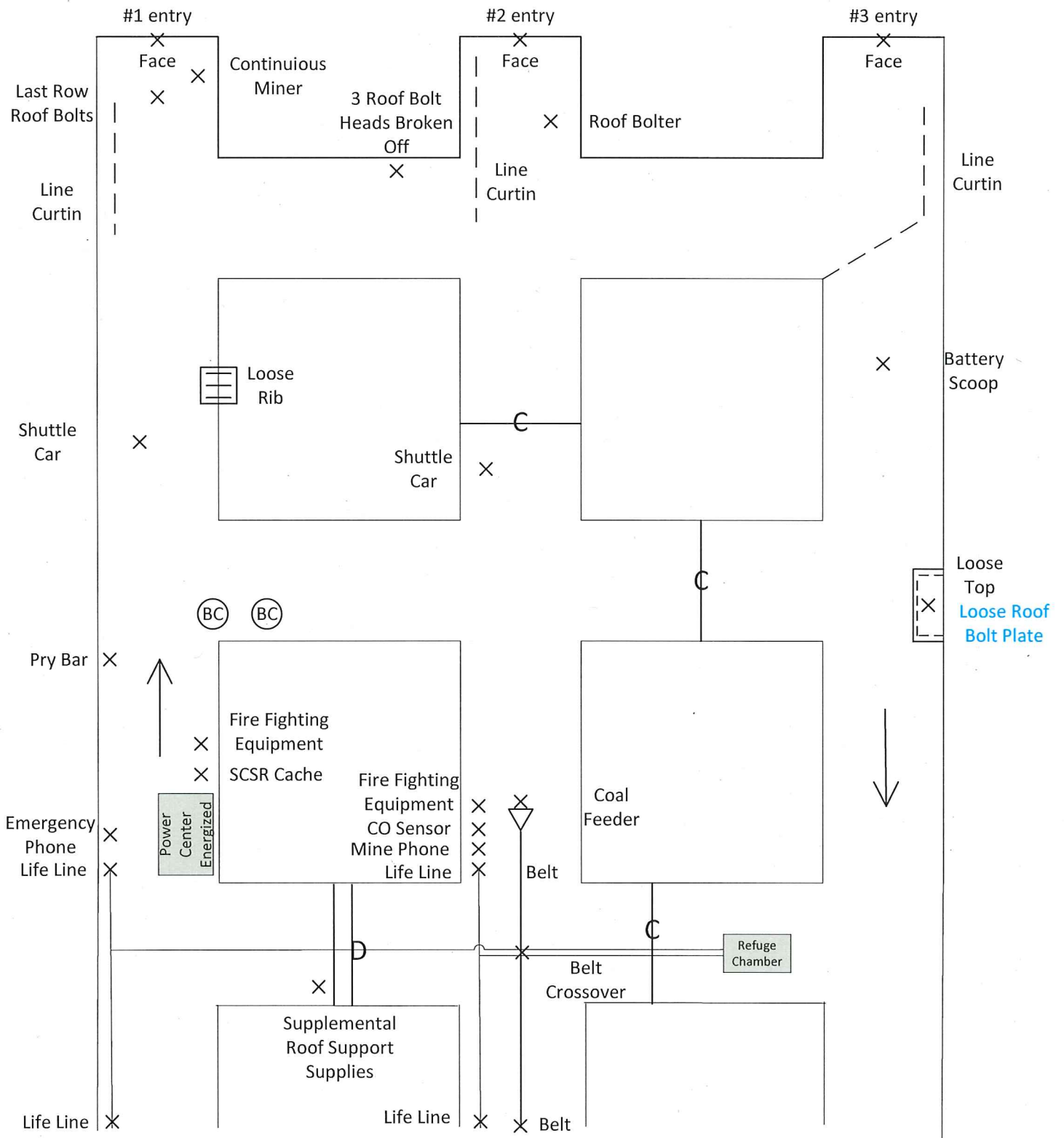


ALABAMA
MINE RESCUE
(PRE-SHIFT) CONTEST
2019



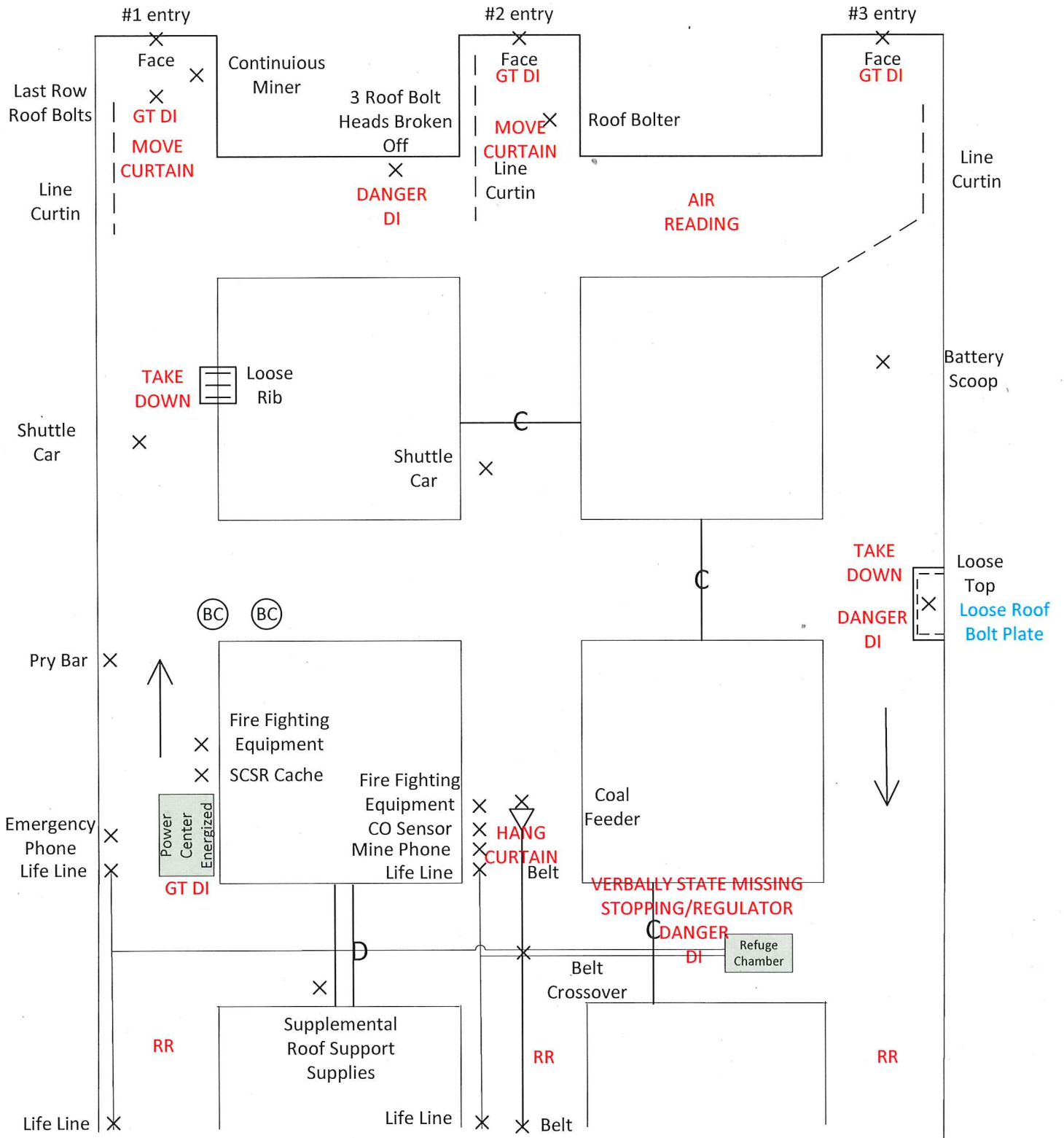
Problem Map

001 SECTION



Judges Map

001 SECTION



**PRE-SHIFT EXAMINATION CONTEST
JUDGES DISCOUNT SHEET**

CONTESTANT _____ NO. _____ * DENOTES DISCOUNT

OUTSIDE

| | <u>YES</u> | <u>NO</u> | <u>RULE</u> |
|--|------------|-----------|-------------|
| (1) CHECK IN | ___ | ___* | 1 |
| (2) CHECK SCSR | ___ | ___* | 3 |
| (3) CHECK METHANE/OXYGEN DETECTOR | ___ | ___* | 19 |
| (4) CHECK OUT | ___ | ___* | 1 |
| (5) HAVE ALL REQUIRED EQUIPMENT | ___ | ___* | 2 |
| (6) EQUIPMENT MAINTAINED IN OPERABLE CONDITION | ___ | ___* | 14 |

NO. 1 ENTRY

| | <u>YES</u> | <u>NO</u> | <u>RULE</u> |
|---|------------|-----------|-------------|
| (1) DTI THE #1 ENTRY | ___ | ___* | 4 |
| (2) TAKE GAS TEST IN THE #1 ENTRY | ___ | ___* | 5 |
| (3) TAKE A PROPER GAS TEST | ___ | ___* | 6 |
| (4) VERBALLY STATE ROOF AND RIBS | ___ | ___* | 10 |
| (5) REHANG LINE CURTAIN FOR EXHAUSTING VENTILATION | ___ | ___* | 7 |
| (6) PULL LOOSE RIB | ___ | ___* | 12 |
| (7) DANGER BROKEN ROOF BOLT HEADS IN 3 RD RIGHT CROSSCUT | ___ | ___* | 11 |

NO. 2 ENTRY

| | <u>YES</u> | <u>NO</u> | <u>RULE</u> |
|--|------------|-----------|-------------|
| (1) DTI THE #2 ENTRY | ___ | ___* | 4 |
| (2) TAKE GAS TEST IN THE #2 ENTRY | ___ | ___* | 5 |
| (3) TAKE A PROPER GAS TEST | ___ | ___* | 6 |
| (4) VERBALLY STATE ROOF AND RIBS | ___ | ___* | 10 |
| (5) DANGER CURTAIN 1 st Right Cross Cut | ___ | ___* | 7 |
| (6) REHANG LINE CURTAIN FOR EXHAUSTING VENTILATION | ___ | ___* | 7 |
| (7) HANG CHECK CURTAIN BEHIND FEEDER | ___ | ___* | 7 |

NO. 3 ENTRY

| | <u>YES</u> | <u>NO</u> | <u>RULE</u> |
|-----------------------------------|------------|-----------|-------------|
| (1) DTI THE #3 ENTRY | ___ | ___* | 4 |
| (2) TAKE GAS TEST IN THE #3 ENTRY | ___ | ___* | 5 |
| (3) TAKE A PROPER GAS TEST | ___ | ___* | 6 |
| (4) VERBALLY STATE ROOF AND RIBS | ___ | ___* | 10 |
| (5) PULL LOOSE TOP | ___ | ___* | 12 |
| (6) DANGER LOOSE ROOF BOLT PLATE | ___ | ___* | 11 |

GENERAL RULES

| | <u>YES</u> | <u>NO</u> | <u>RULE</u> |
|-------------------------------|------------|-----------|-------------|
| (1) DID CONTESTANT RUN | ___* | ___ | 13 |
| (2) EXAM ALL ACCESSIBLE AREAS | ___ | ___* | 18 |
| (3) COMPLY WITH GENERAL RULES | ___ | ___* | 19 |

AIR
READING

20 WIDE

6 HIGH

120 FPM

JUDGES INSTRUCTIONS

1. IF THE CONTESTANT DOES NOT TAKE A GAS TEST OR AIR READING DO NOT DISCOUNT FOR IMPROPER TEST OR AIR READING.
2. IF CONTESTANT DOES NOT PLACE DANGER SIGN DO NOT DISCOUNT FOR DTI ON DANGER SIGN.
3. IF CONTESTANT DOES NOT FIND HAZARDOUS CONDITION DO NOT DISCOUNT FOR CORRECTIVE ACTION, ALSO DO NOT DISCOUNT ON PRE-SHIFT PAGE.
4. IF THE CONTESTANT CHECKS ROOF TEST HOLE TELL THEM (HOLE IS OK).
5. NOTHING INBY POWER CENTER IS ENERGIZED.
6. IF CONTESTANT CHECKS PHONES, REFUGE, LIFE LINES TELL THEM (OK).
7. WHEN CONTESTANT COME TO FIELD GIVE THEM CONTESTANT PAKCECT, GIVE 3 MINUTES TO REVIEW MATERIAL AND GET READY TO COMPETE.
8. 30 MINUTES ON THE FIELD. GIVE THE CONTESTANT A 5 MINUTE WARNING.
9. 20 MINUTES FOR FILLING OUT PRESHIFT PAGE. FIELD JUDGES WILL ALSO JUDGE PRESHIFT PAGE.
10. IF CONTESTANT GOES INBY LAST BOLTS IN #1 ENTRY, DISCOUNT FOR ENDANGERING THEMSELVES.
11. IF/WHEN CONTESTANT PULLS "LOOSE TOP" #3 ENTRY, TURN PLACARD OVER TO "LOOSE ROOF BOLT PLATE". DO NOT DISCUSS WITH CONTESTANT.
12. DO NOT ALLOW CONTESTANT BACK ON FIELD AFTER CLOCK IS STOPPED AND DO NOT DISCUSS PROBLEM UNTIL THE CONTESTANT HAS FINISHED PRESHIFT PAGE.
13. PLEASE REFRAIN FROM USE OF CELL PHONE DURING WORKING OF PROBLEM. (UNLESS EMERGENCY OF COURSE!!!)

ALABAMA
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Roof Control Plan

- Minimum bolt length - 48" resin grouted rebar bolt.
- Minimum 8" X 8" bearing plate.
- The roof bolt installation pattern is 4 feet by 4 feet.
- The maximum entry and crosscut widths are 20 feet.
- The maximum cut depth is 20 feet.
- When tramming the continuous mining machine, no one will be located along either side of the continuous mining machine, and they will be in a safe location outby the boom and head.
- Reflectors or danger signs shall be placed on last row of permanent supports at the approaches to all unsupported areas.
- When adverse roof conditions are encountered such as horsebacks, slicken sided slip formations, clay veins, kettle bottoms, mud seams or a similar type of adverse roof condition is found to exist in the mine roof, supplemental roof supports shall be installed in addition to the primary support, as appropriate in the affected area, to adequately support the roof.

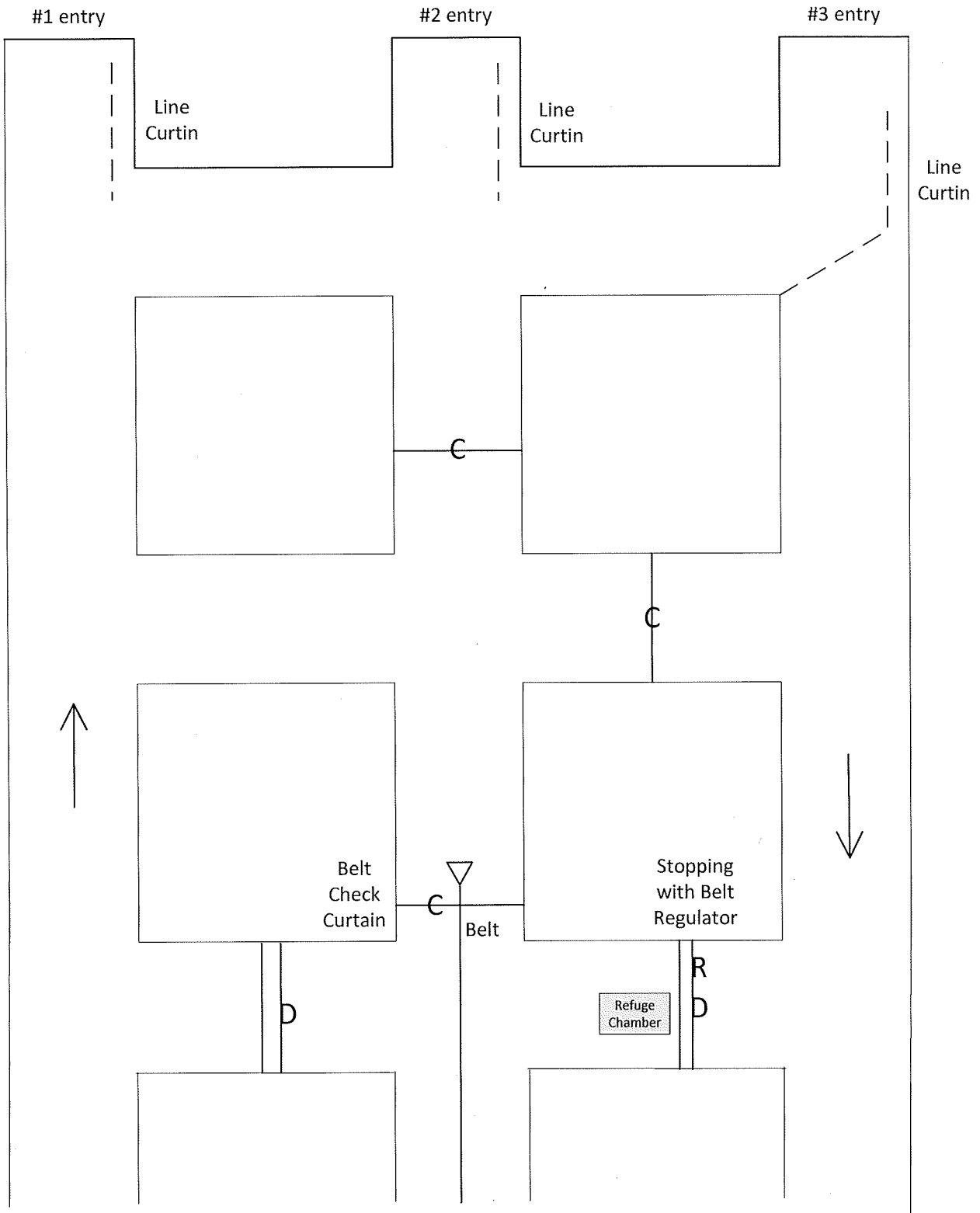
ALABAMA
MINE RESCUE
(PRESHIFT) CONTEST
2019

Ventilation Plan

- Mine fan is exhausting.
- Exhausting face ventilation only.
- 9,000 CFM will be provided in the last open crosscut.
- 7,500 CFM or 75 FPM mean air velocity (whichever is greater) will be provided in all working faces where coal is cut, mined, loaded or drilled for blasting.
- A perceptible movement of air is required in all idle working places. Line curtain installed within 10 ft. of face for bolted places and the last row of permanent roof support for unbolted places.
- Belt air is not used for face ventilation.
- Belt air is regulated outby the section loading point.

Ventilation Map

001 SECTION



001 SECTION

