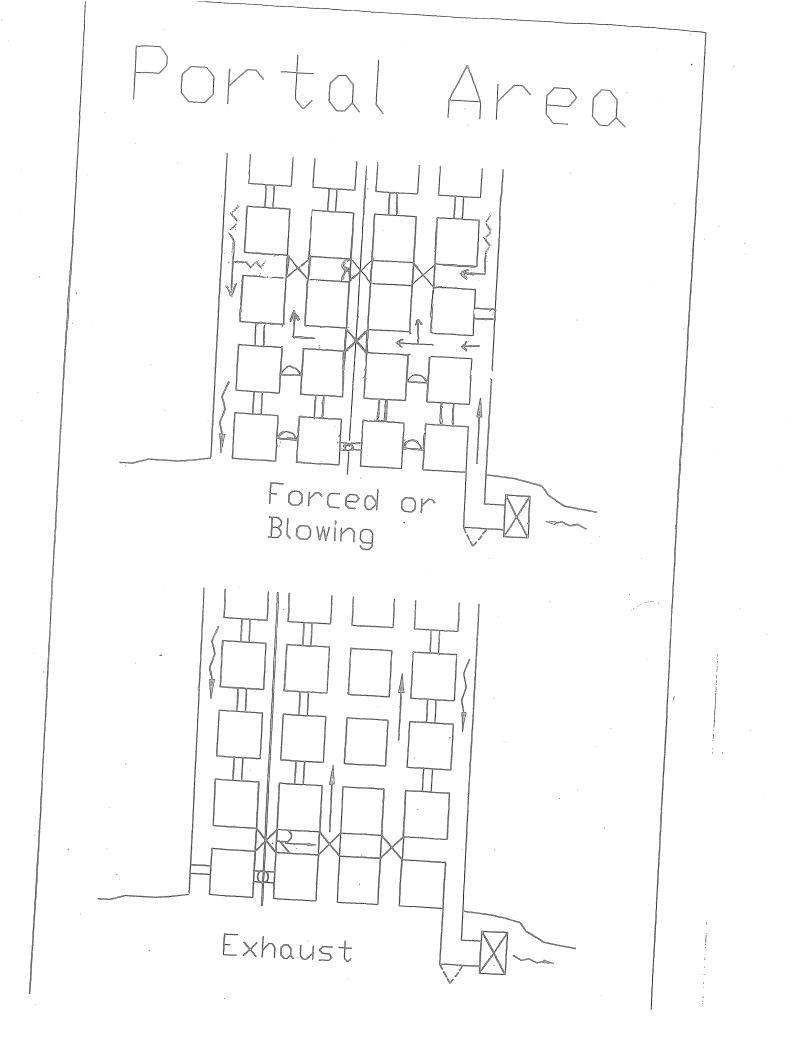
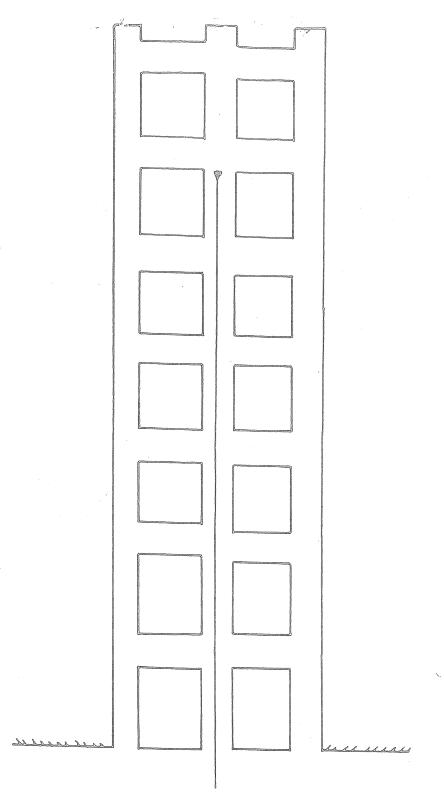
FAN REQUIREMENTS

The following <u>Fan Requirements</u> are listed in 22A-2-3 of the West Virginia State Mining Laws. These requirements are for all Main Fans.

- 1. All main fans shall be located on the Surface.
- 2. All main fans shall be enclosed in Fireproof Housings.
- 3. All main fans shall be offset a minimum of 15 feet from the nearest mine opening.
- 4. All main fans shall be equipped with Fireproof Air Ducts.
- 5. All main fans shall be equipped with Explosion Doors or a Weak Wall.
- 6. All main fans shall be operated from an Independent Power Circuit.
- 7. All main fans shall be equipped with a <u>Pressure Recording Gauge</u> or a <u>Water</u> <u>Gauge</u>.
- 8. All main fans shall be <u>Inspected Daily</u> by a <u>Certified Electrician or a Qualified</u> <u>Person</u> and a <u>Permanent Record</u> kept.
- 9. All main fans shall be equipped with a <u>Warning Device</u> to signal an interruption to the fan.

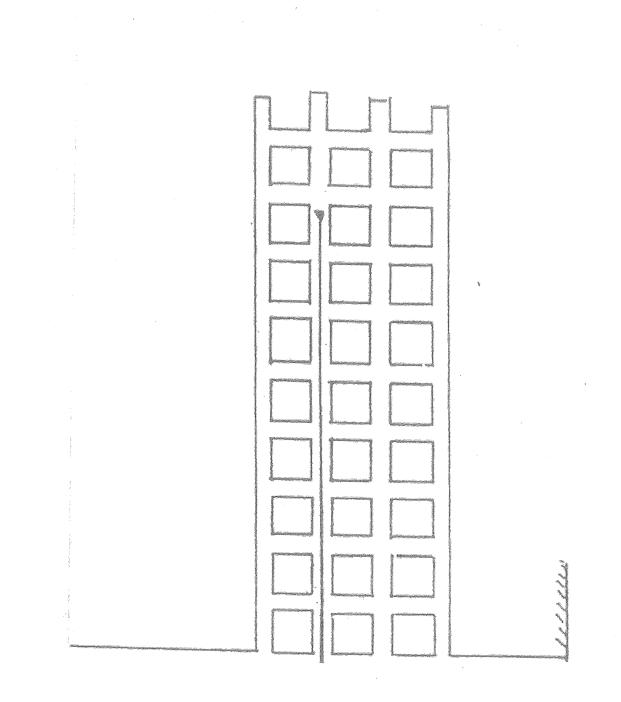
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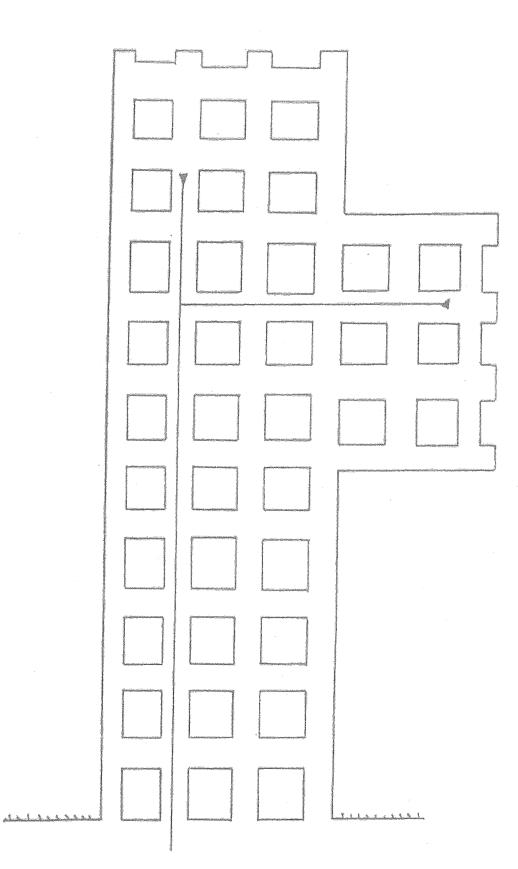


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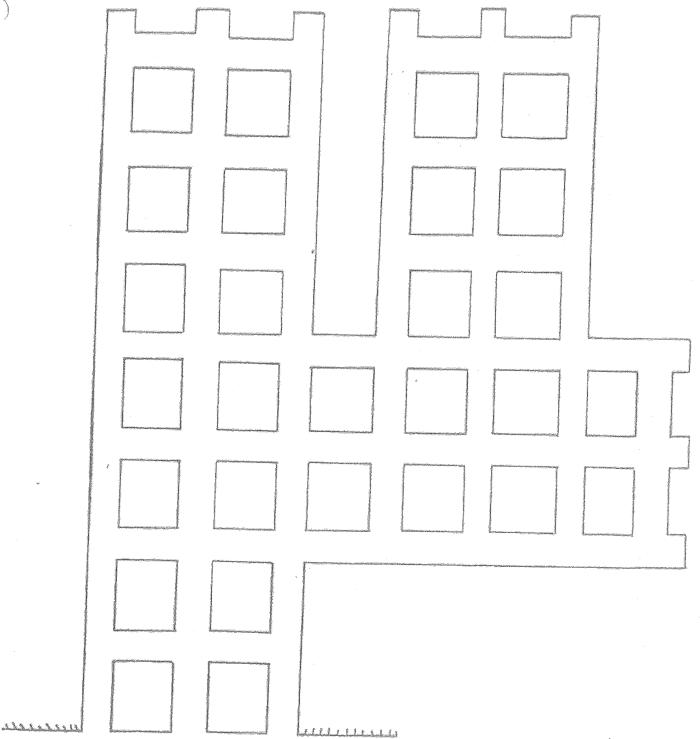
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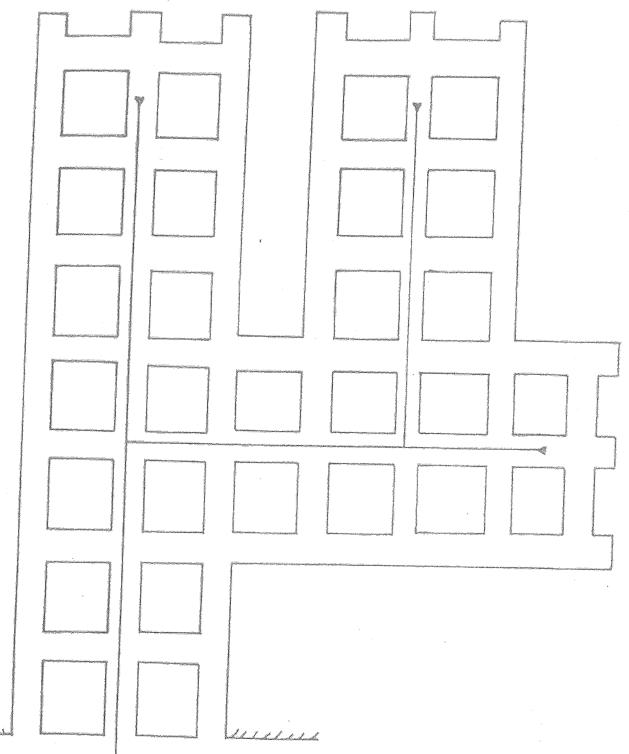


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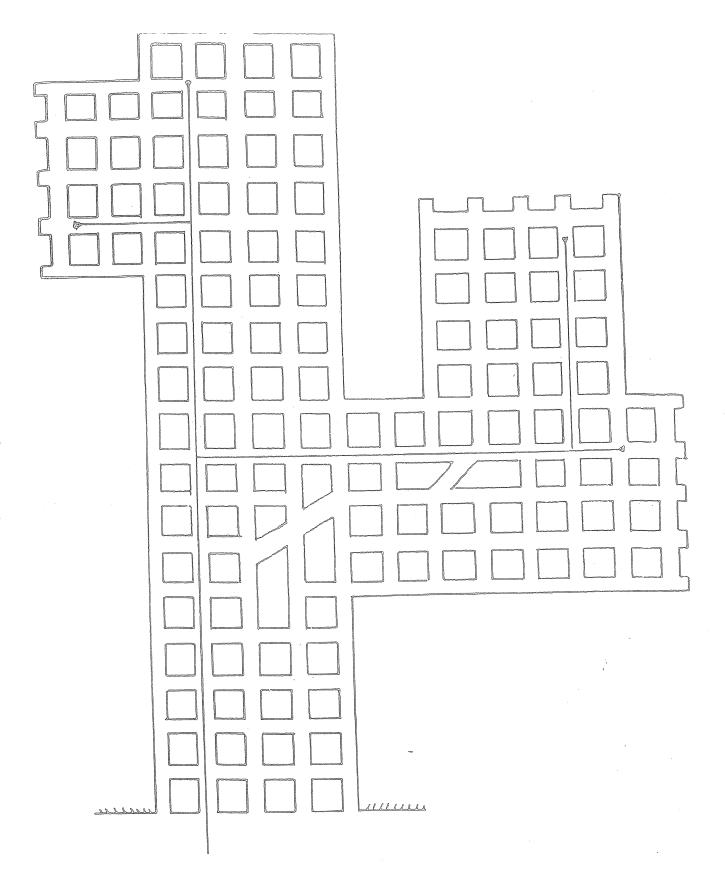




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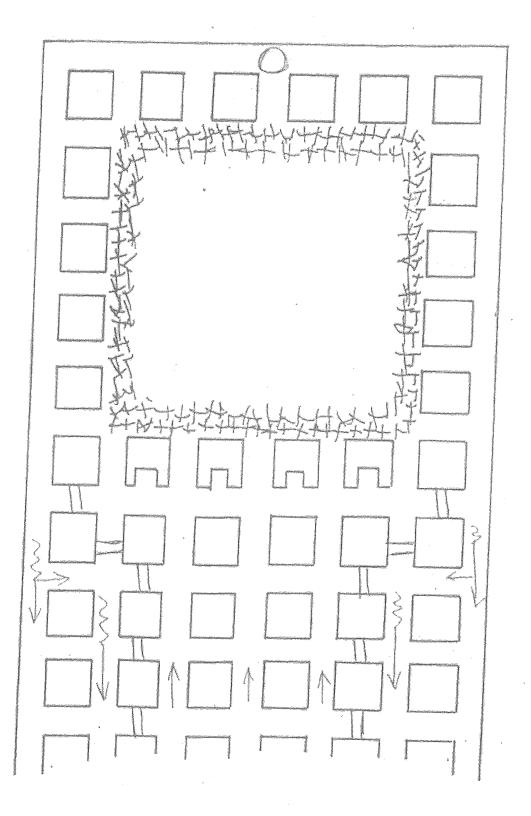
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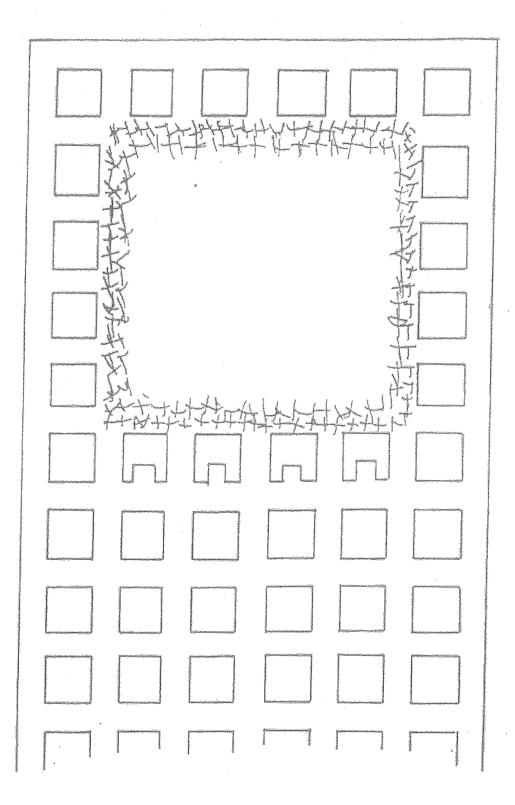
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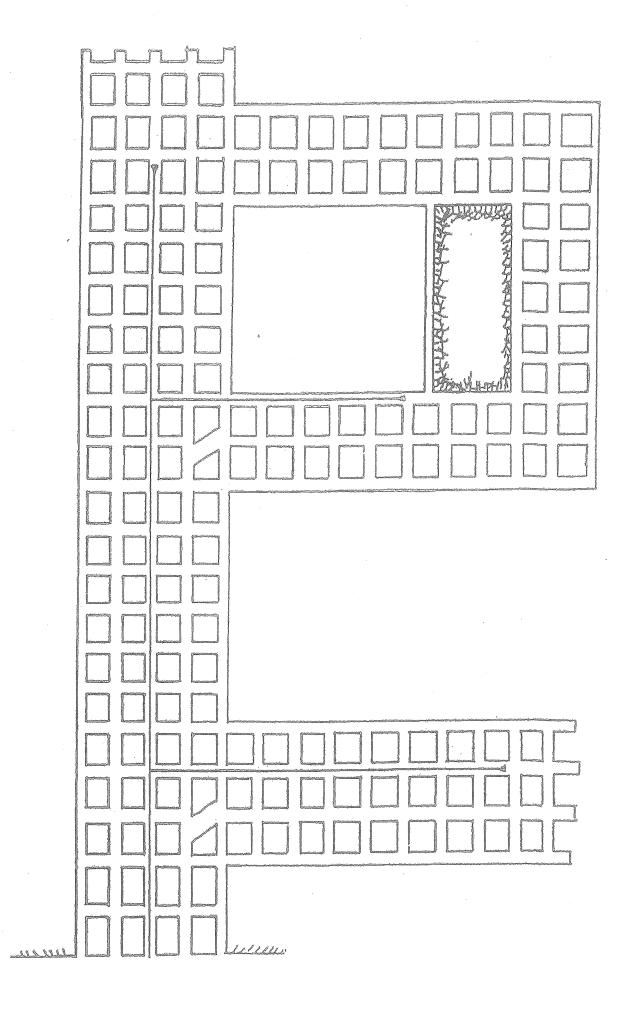


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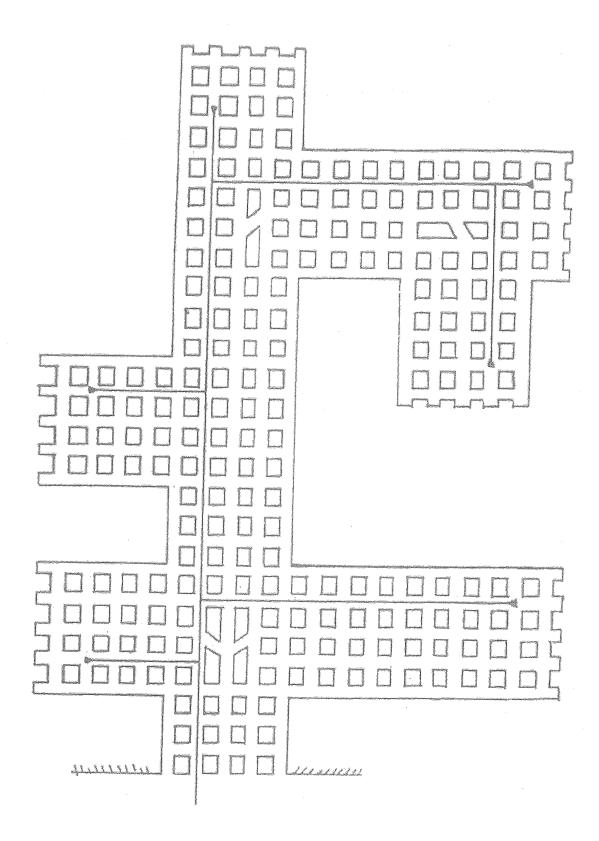






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Show the direction of airflow in each working face and the direction of air flow in the last open crosscut.

Show the direction of airflow with arrows.

Use a line curtain to direct the air into the face. This should be within 10 feet of the working face.

Place this check curtain to deflect the air into the #1 entry.

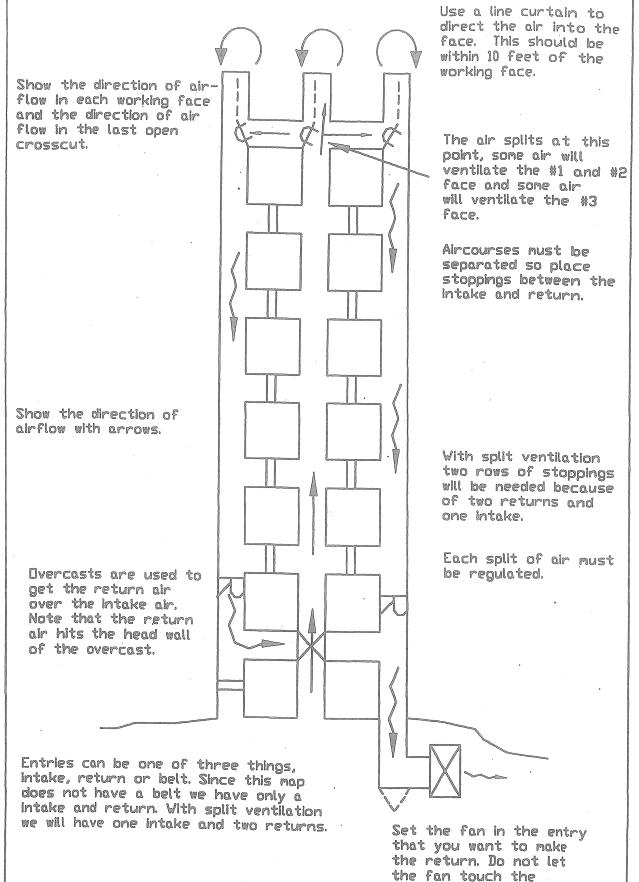
Aircourses nust be separated so place stoppings between the intake and return.

Each split of air must be regulated.

Entries can be one of three things, intake, return or belt. Since this map does not have a belt we have only a intake and return. As a general rule we will use one return on a map so we have two intakes and one return on this map.

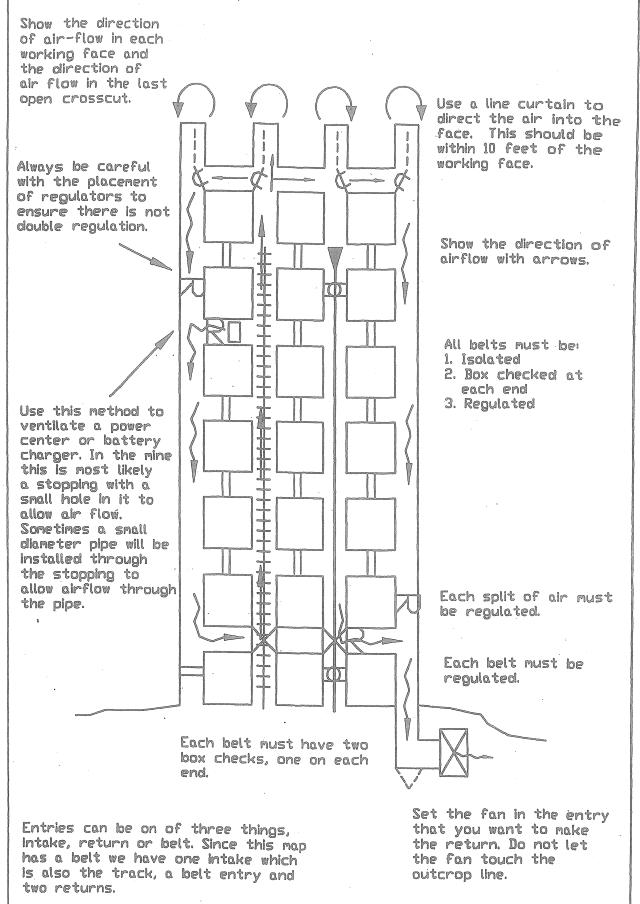
Set the fan in the entry that you want to make the return. Do not let the fan touch the outcrop line.

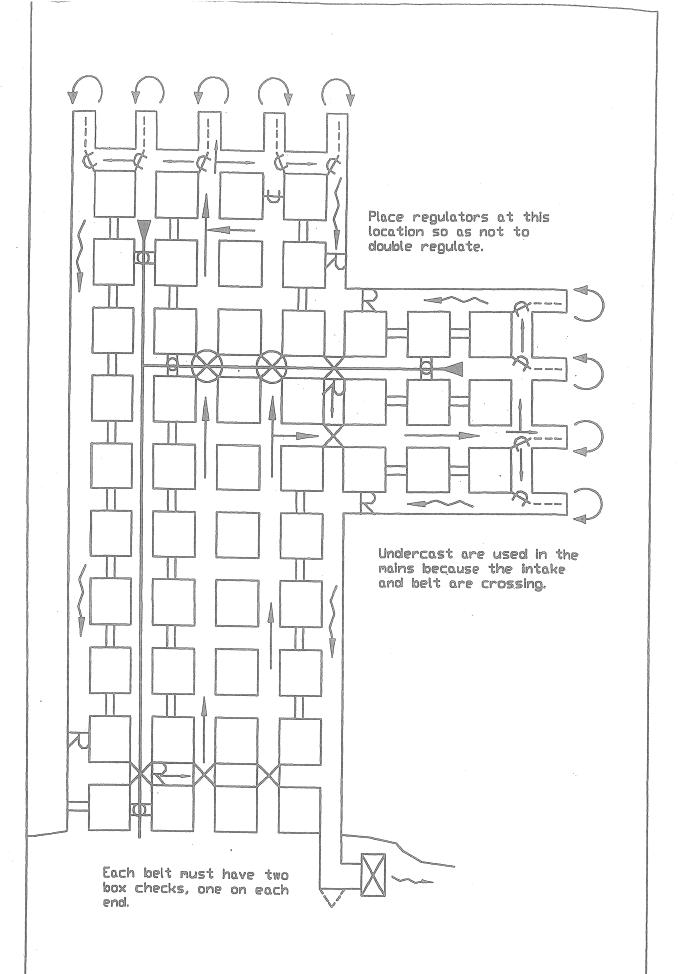
Use split ventilation

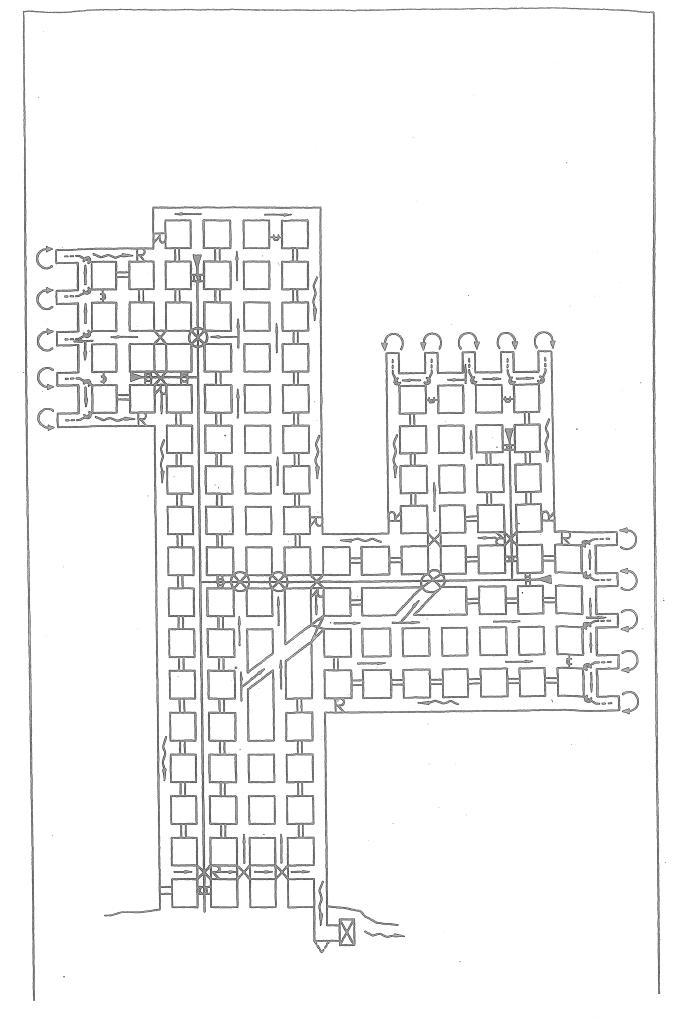


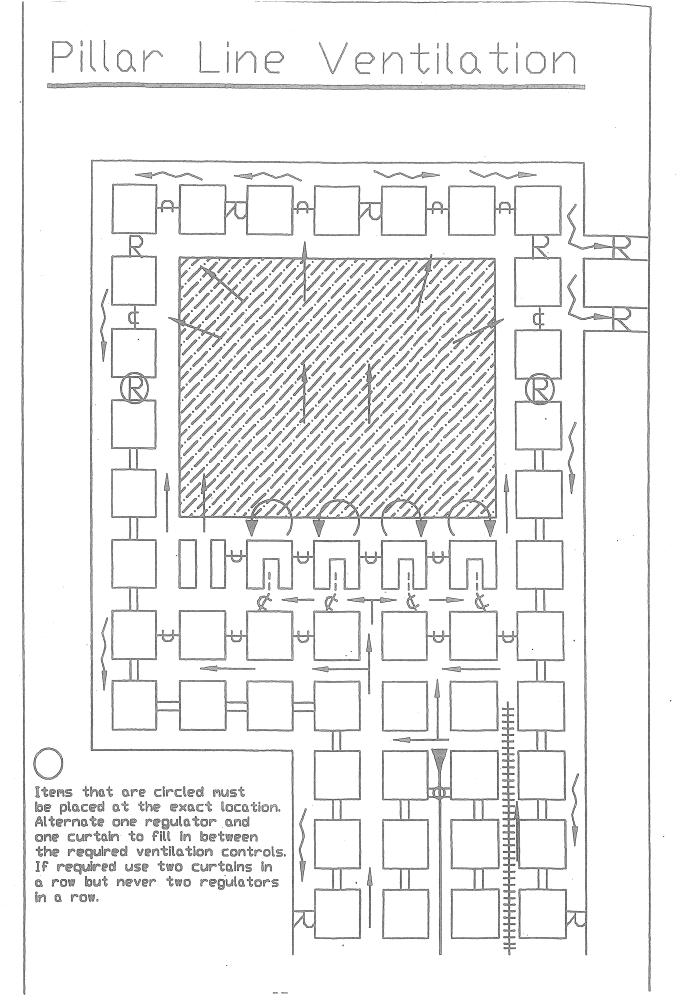
outcrop line.

Use split ventilation

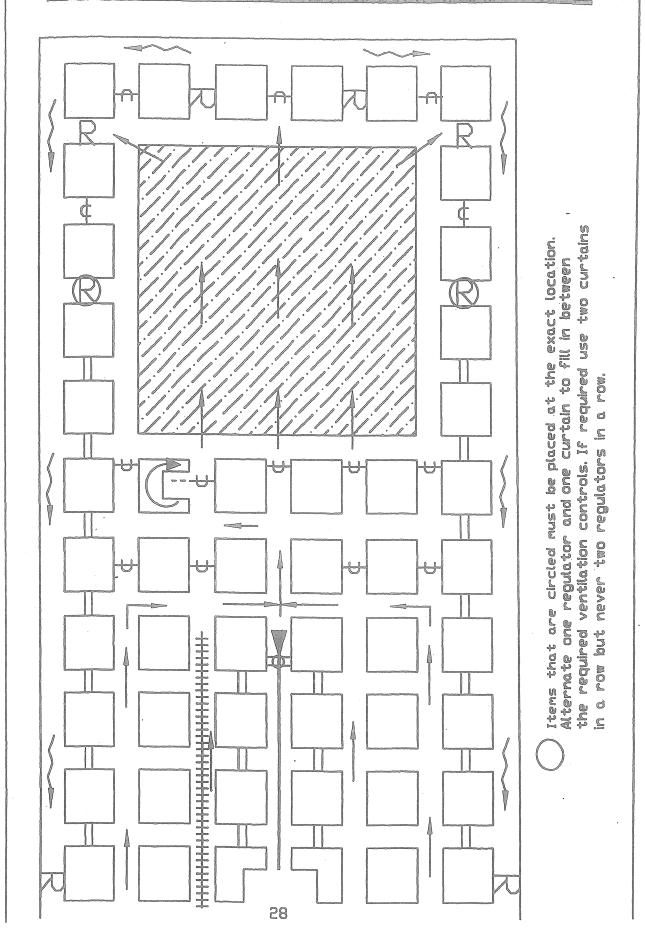












R Items that are circled must be Alternate two check curtains placed at the exact location. stoppings and one regulator to fill in the between the and one regulator or two

Ventilation

