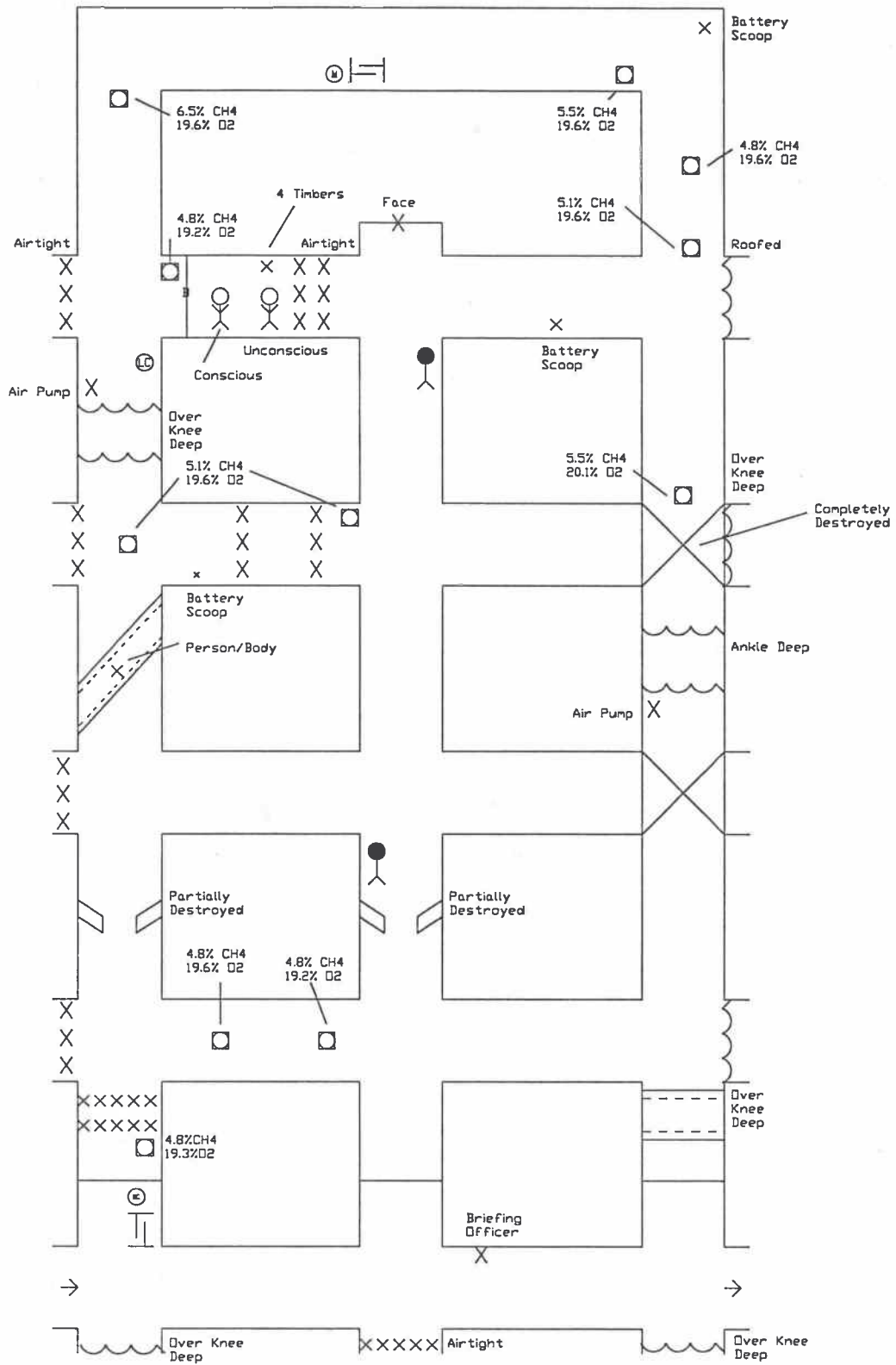


National Mine Rescue Contest



August 28, 2007



2007 National Mine Rescue Contest
August 28, 2007
STATEMENT

I am _____, Superintendent of the Country Music Mine. You are located at the fresh air base on the Nashville Mains. Due to a fault in the coal seam in these mains, production was halted and then turned north to mine the 1st Opry Left Butt to reach the rest of our coal reserves through an area rich in gas wells.

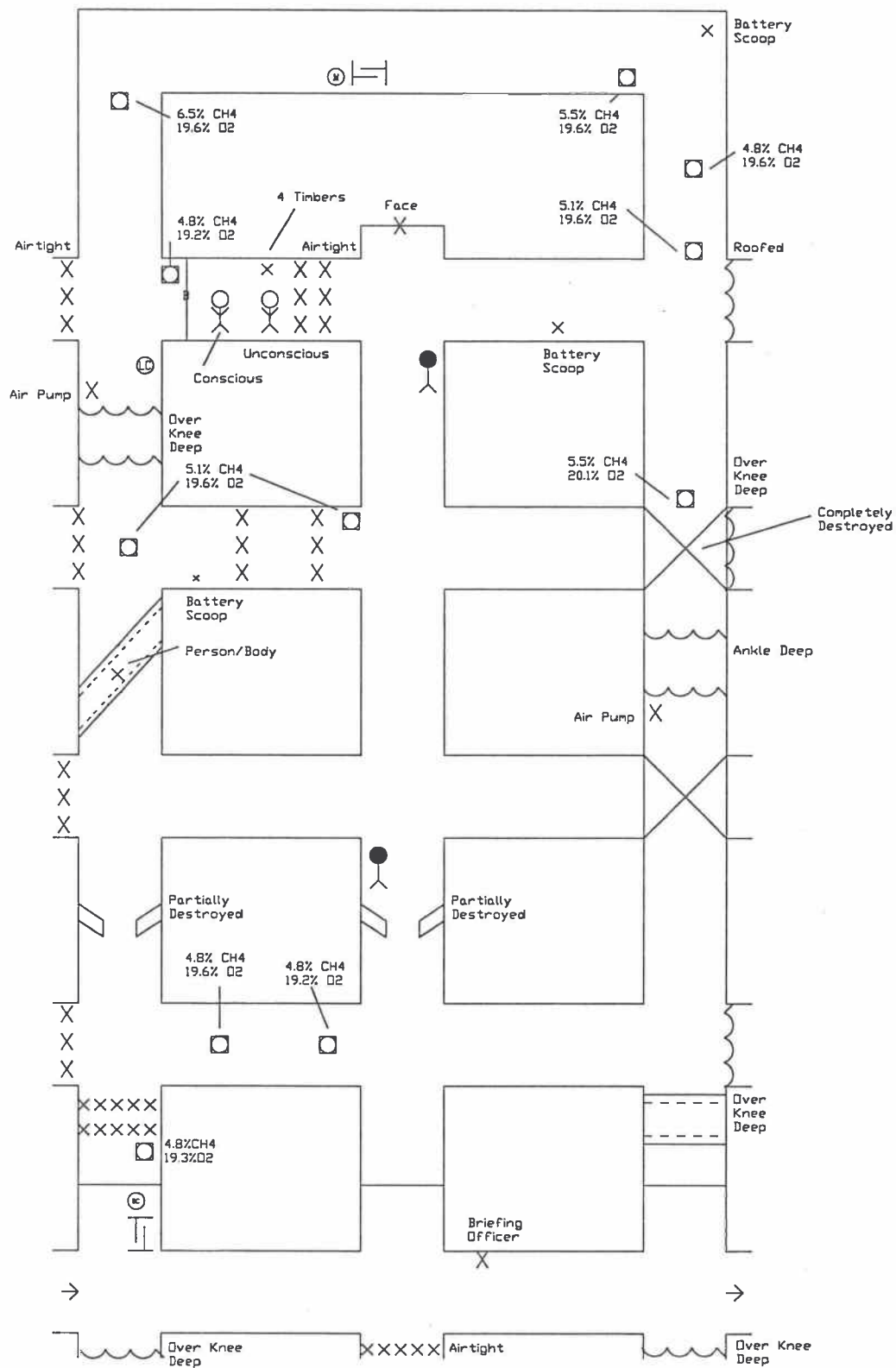
The mine was returning from a vacation period when a five- man production crew and supervisor entered the mine at 12:01 a.m., to resume production. Shortly after 2:00 a.m., a belt maintenance worker shoveling belt heard a large pop inby and felt a rush of air in the outby direction. The beltman tried to call outside but the communication system was inoperative so he exited the mine. He was followed shortly thereafter by the section supervisor, who was investigating belt problems outby the section at the time of the incident. All attempts to contact or enter the section have been unsuccessful.

The mine is ventilated by a main exhaust fan on the surface. The fan is running, guarded, monitored and must remain on.

The Opryland Rescue Teams have explored much of the Country Music Mains but were unable to enter 1st Opry Left Butt Section due to unsafe roof conditions, caved areas, water and time limitations. A fresh air base has been established here in the Nashville Mains in line with the 1st Opry Left Butt Section. Rescue teams are available to build and/or remove ventilation structures in areas that have been explored by the Opryland Rescue Team. The Opryland Rescue Team cannot build or remove overcasts in this area. You may request assistance from them through the Superintendent. The team will mark the changes on the maps, initial the map, and present the map to the Superintendent who will notify them when the changes are completed. These maps will be provided at the fresh air base station. The map given to the Superintendent denoting changes will not be returned to you. Sufficient rescue teams are present to serve as backup while you are working. Maps of the areas explored were prepared by the Opryland Mine Rescue Teams.

Temporary stoppings have been built across the three remaining unexplored entries of the 1st Opry Left Butt Section to establish this fresh air base.

All electrical circuits inby the fresh air base have been de-energized. The coal seam is walking height and the roof is supported by roof bolts. Water and explosive gases have been encountered at this mine. Air pumps are used



throughout the mine to keep the water pumped through a sump system that utilizes underground piping and can be used to pump water at the locations found. We have a competent lifeline person to give and return signals.

Written instructions and the following mine maps will be provided when you are ready to work:

1. Two blank maps
2. Two maps indicating the ventilation prior to incident
3. Two maps indicating the ventilation after the incident and the areas unexplored

Thanks for your assistance.

2007 National Mine Rescue Contest
August 28, 2007

PROBLEM

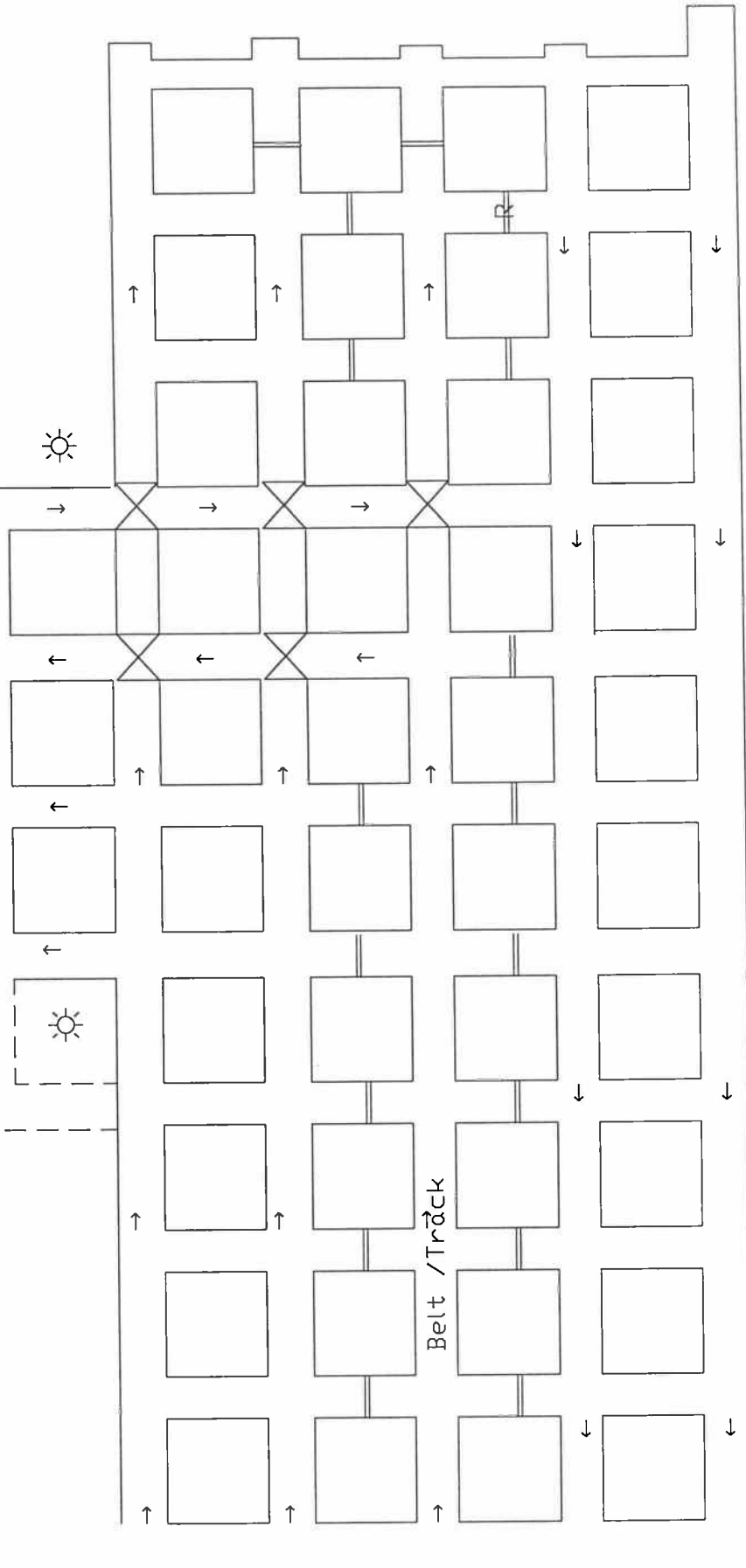
Account for all missing persons.

**Explore all areas of the mine that
can be safely examined.**

COUNTRY MUSIC MINE
VENTILATION PRIOR TO INCIDENT

1ST DRRY LEFT BUTT

NASHVILLE MAINS



Country Music Mine Ventilation After Incident

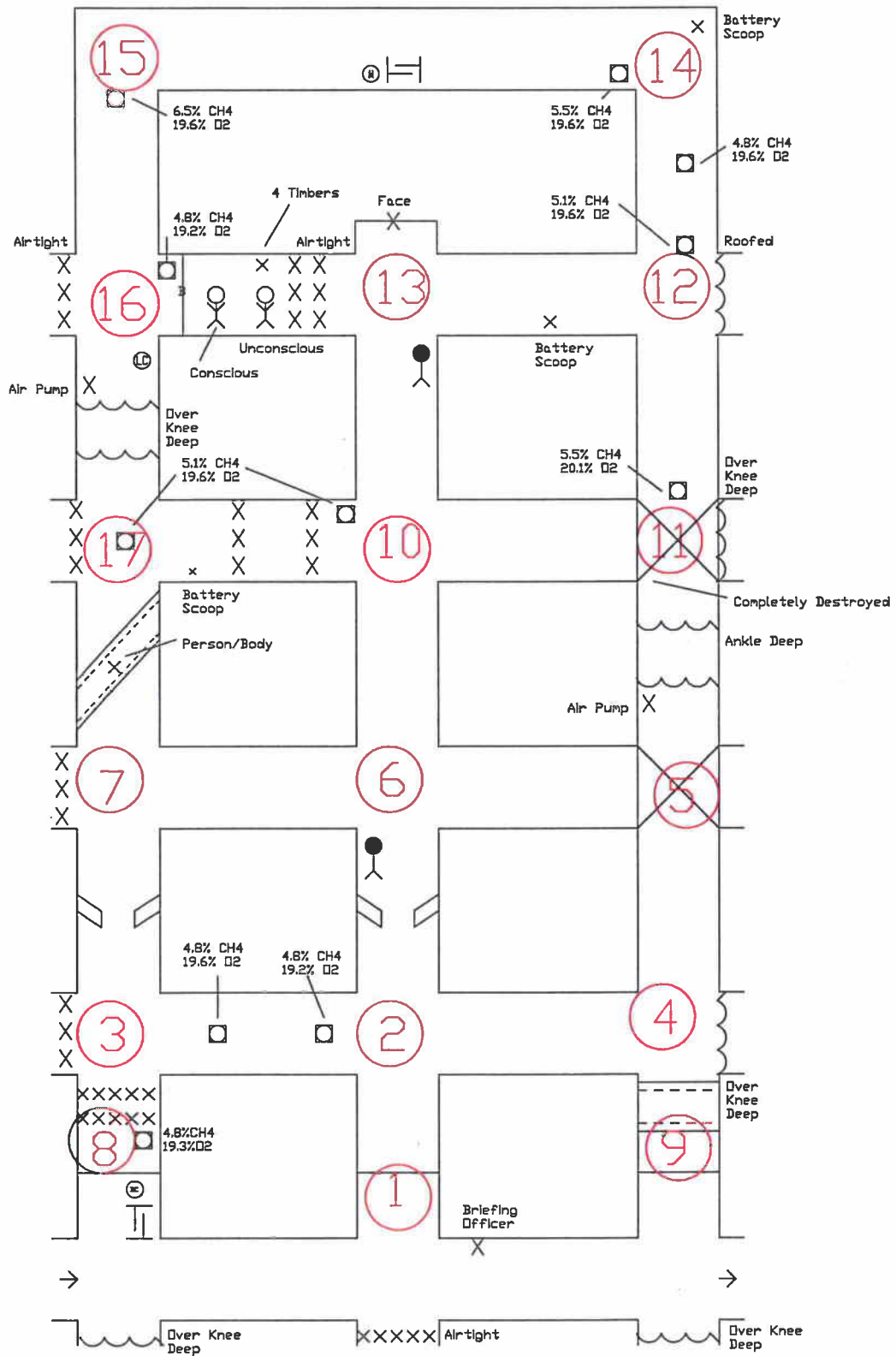
1ST DORY LEFT BUTT

Hatched Area Unexplored

Team Built Stopping

Gas Well





Judges Exploration Briefing
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Teams arriving at the fresh air base will examine the three entrances and conduct gas tests prior to the team going in by the fresh air base.

TEAM STOP NO. 1

The team may airlock into the No. 2 entry. At this team stop, all team members and apparatus must be checked.

TEAM STOP NO. 2

The team may advance to A crosscut of the No. 2 entry.

TEAM STOP NO. 3

Team must advance to A crosscut of the No. 1 entry.

TEAM STOP NO. 4

Team must advance to A crosscut of the No. 3 entry.

TEAM STOP NO. 5

Team may advance to B crosscut of the No. 3 entry.

TEAM STOP NO. 6

Team may advance to B crosscut of the No. 2 entry.

TEAM STOP NO. 7

Team may advance to B crosscut of the No. 1 entry.

TEAM STOP NO. 8

Team must tie in No. 1 entry before advancing beyond 2 crosscuts.

TEAM STOP NO. 9

Team must tie in No. 3 entry before advancing beyond 2 crosscuts.

TEAM STOP NO. 10

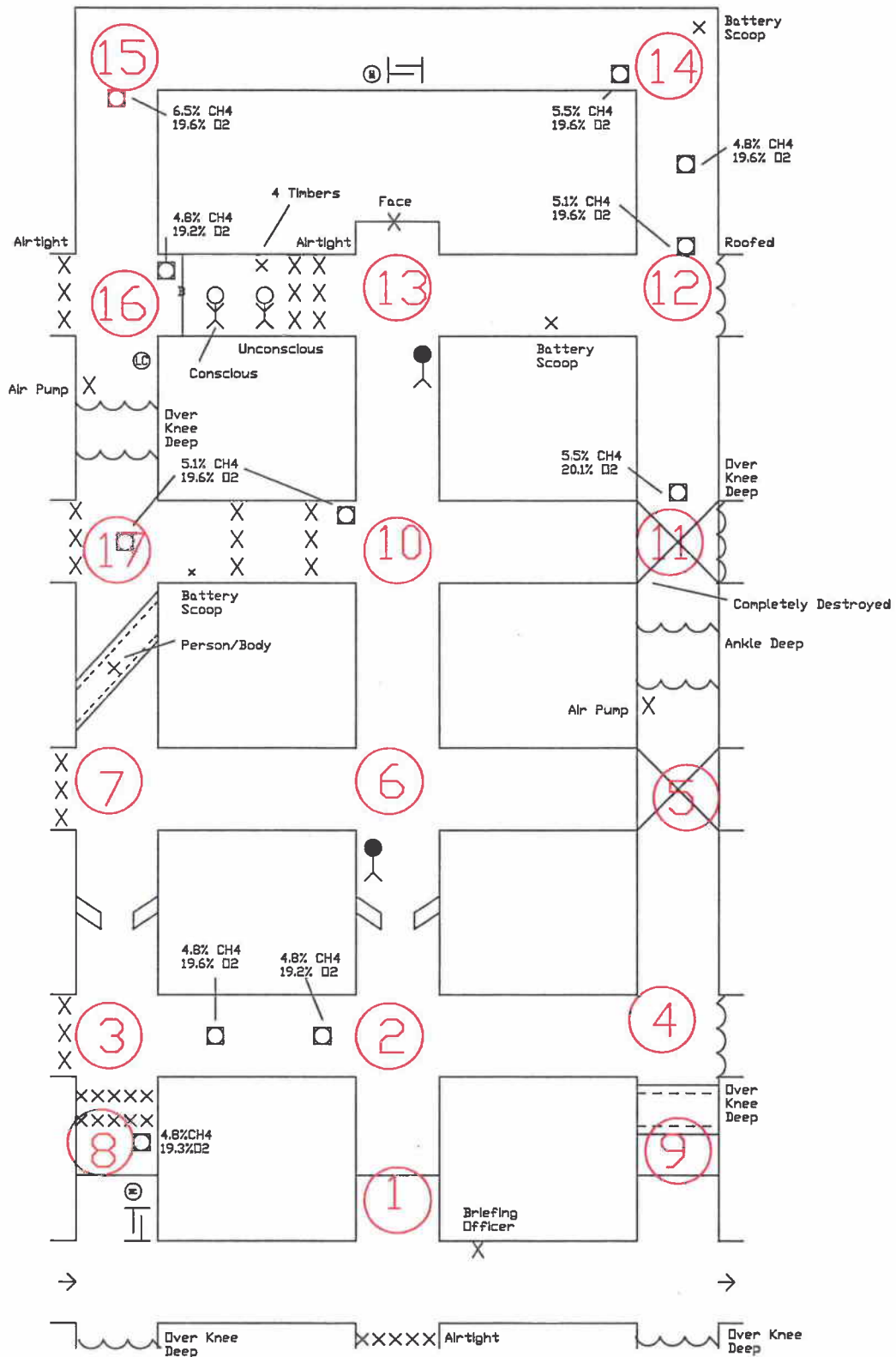
Team may advance to C crosscut of the No. 2 entry.

TEAM STOP NO. 11

Team must advance to C crosscut of the No. 3 entry.

TEAM STOP NO. 12

Team must advance to D crosscut of the No. 3 entry.



TEAM STOP NO. 13

Team must advance to D crosscut of the No. 2 entry.

TEAM STOP NO. 14

Team must advance to E crosscut of the No. 3 entry.

TEAM STOP NO. 15

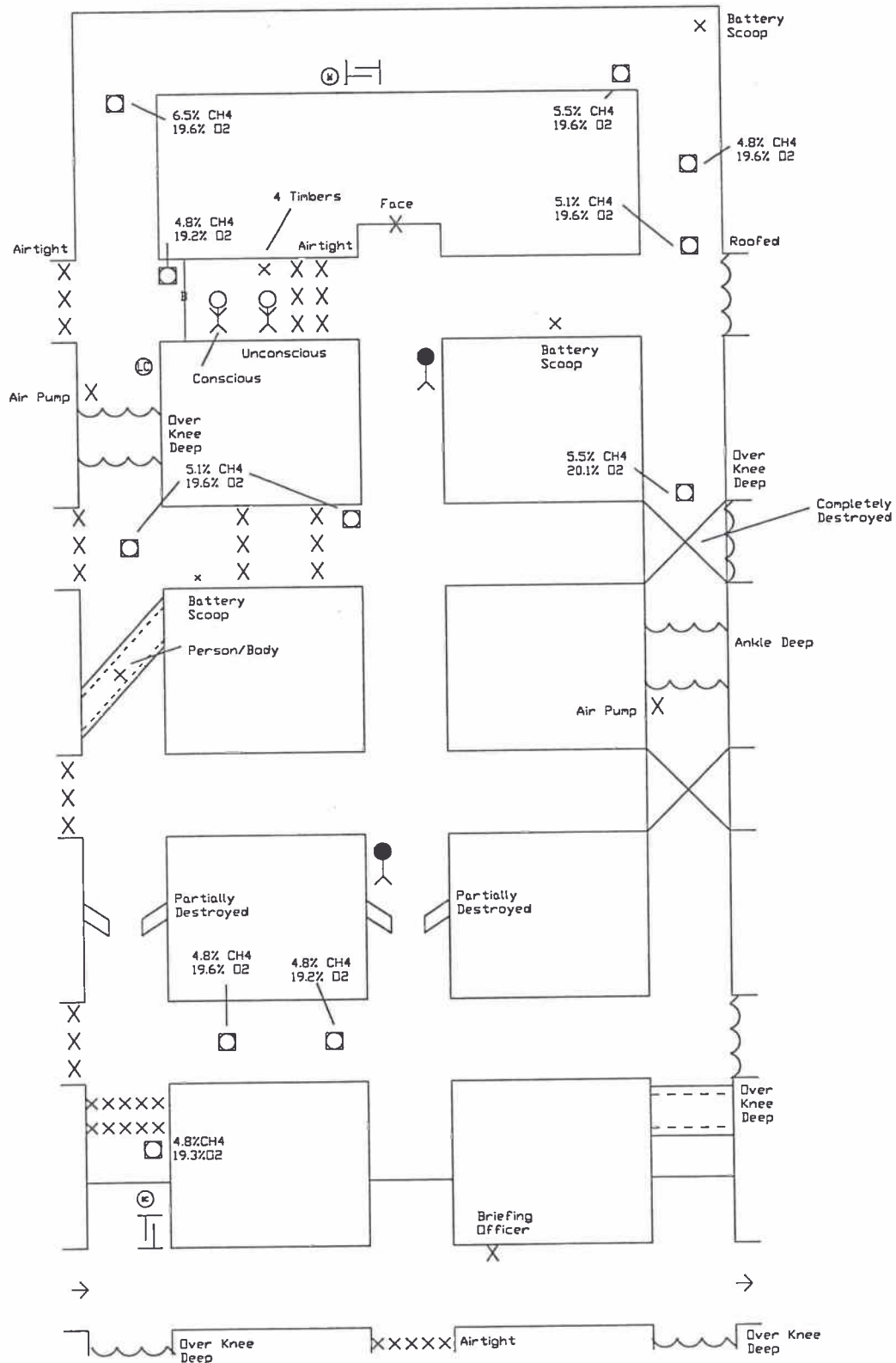
Team must advance to E crosscut of the No. 1 entry.

TEAM STOP NO. 16

Team must advance to D crosscut of the No. 1 entry.

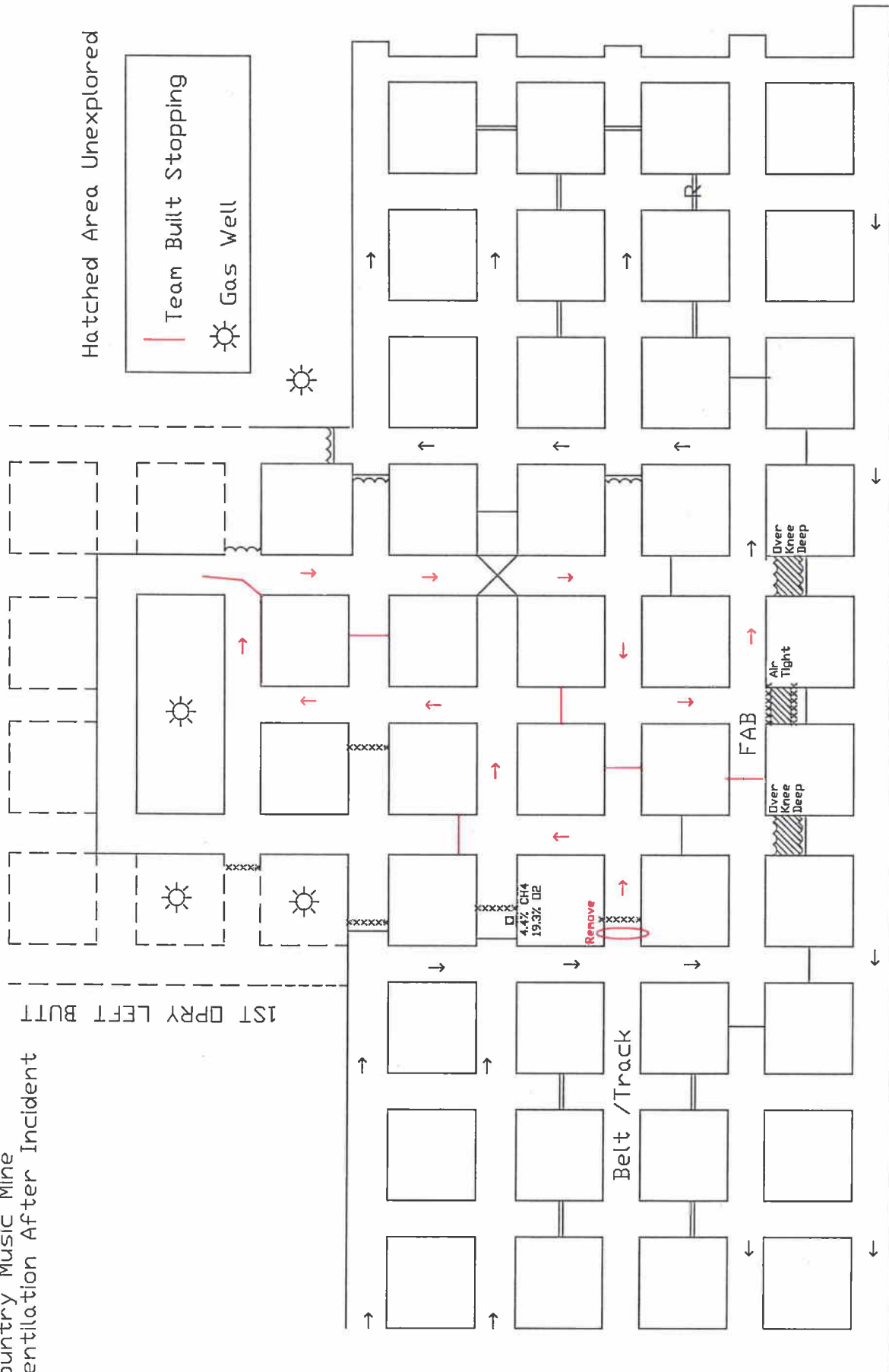
TEAM STOP NO. 17

Team must advance to C crosscut of the No. 1 entry.

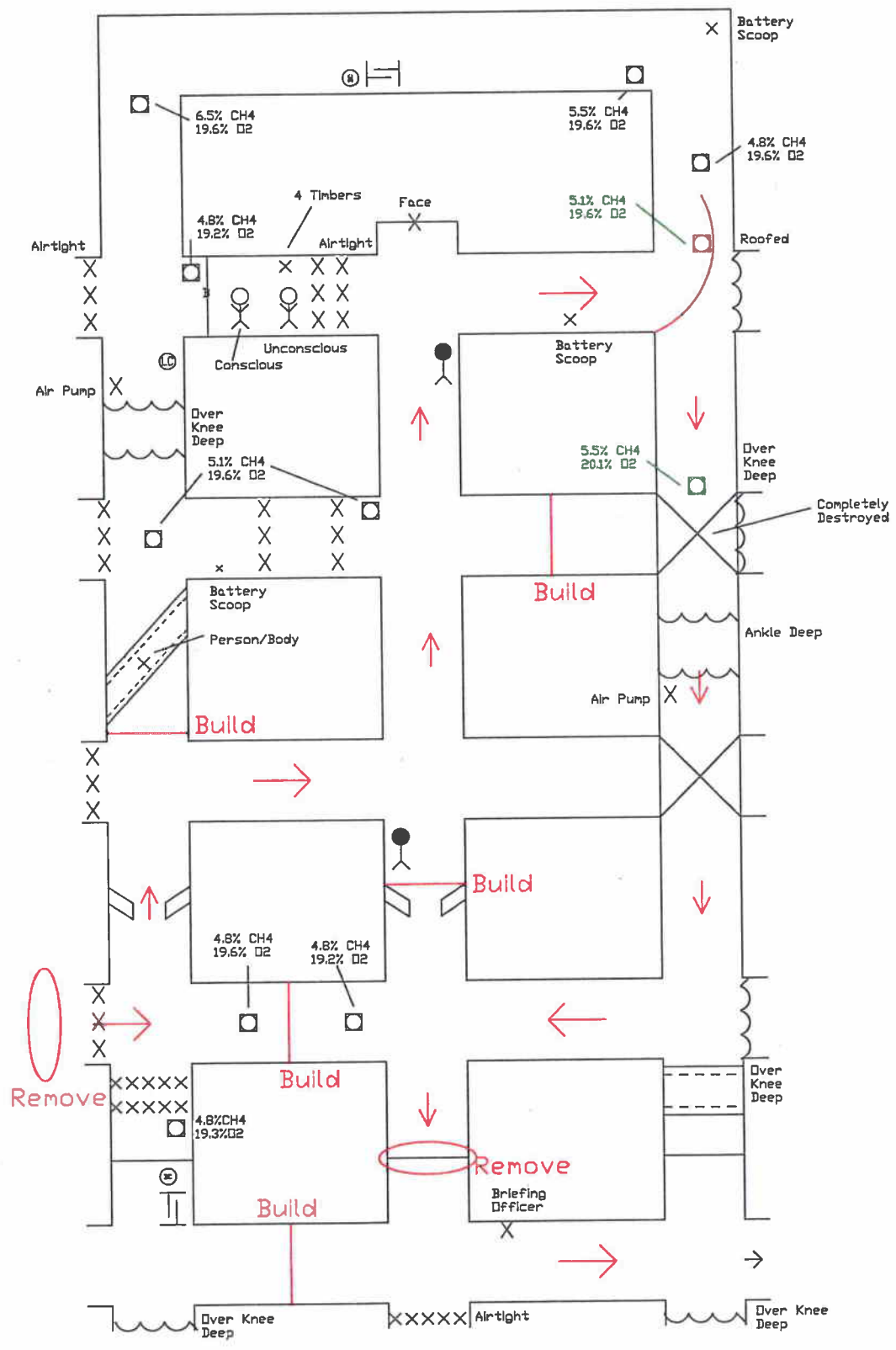


1st Ventilation Change Outby

Country Music Mine
Ventilation After Incident



1st Ventilation



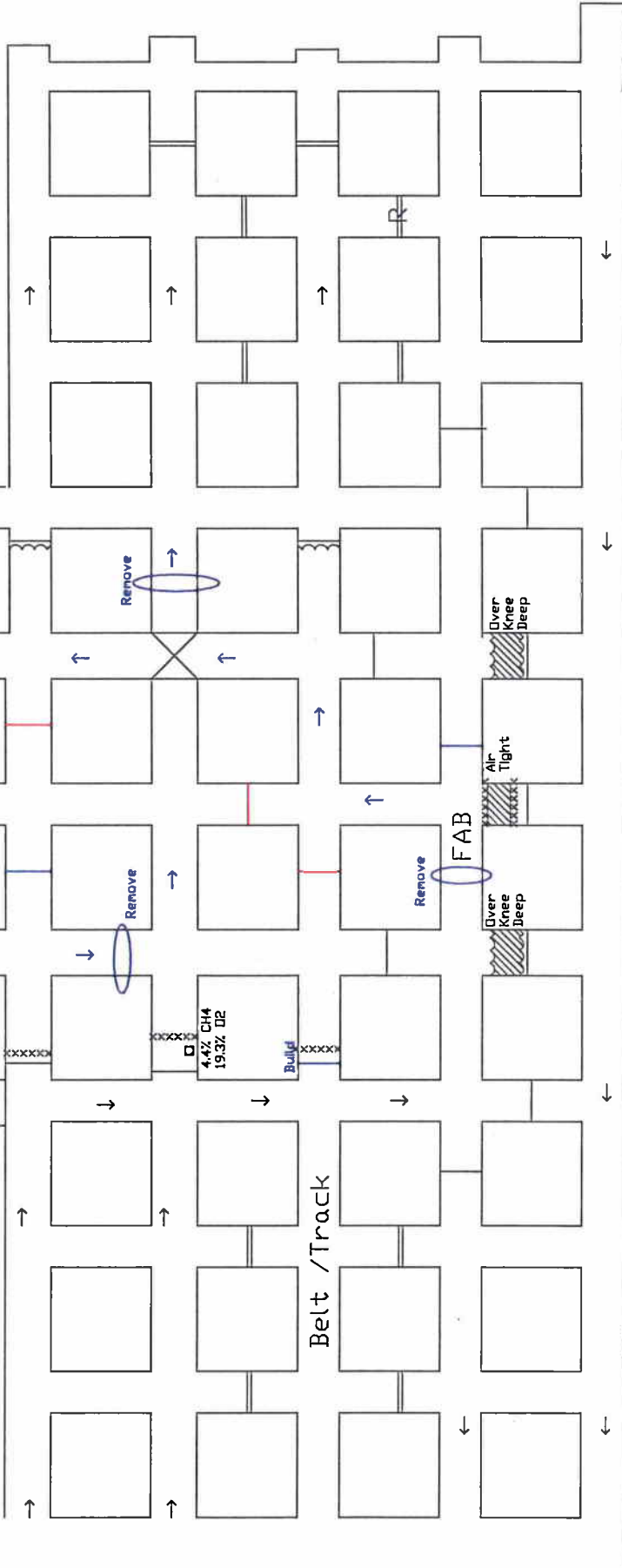
2nd Ventilation Change Outby
Country Music Mine
Ventilation After Incident

1ST DPROY LEFT BUTT

Hatched Area Unexplored

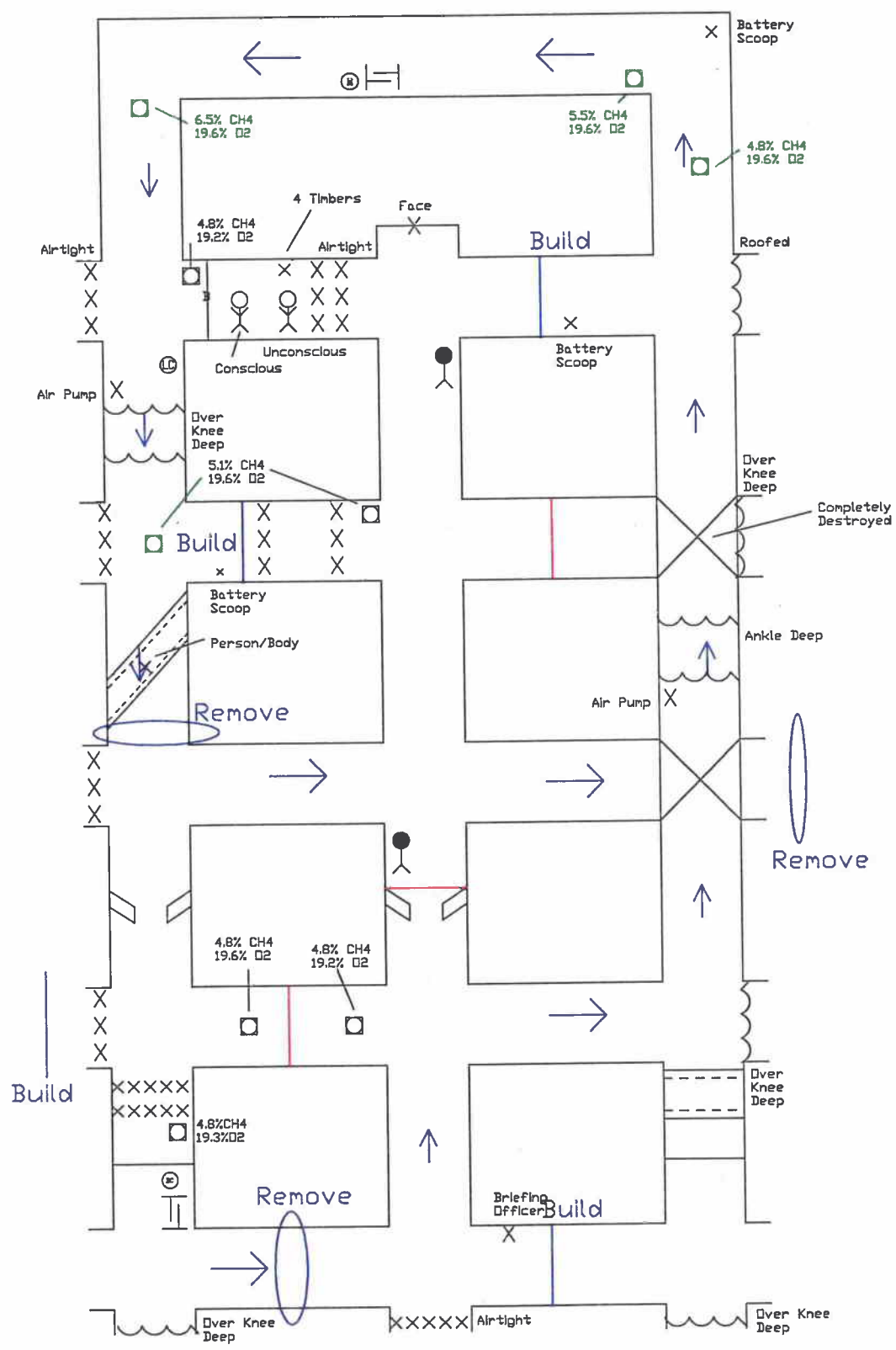
Team Built Stopping

Gas Well

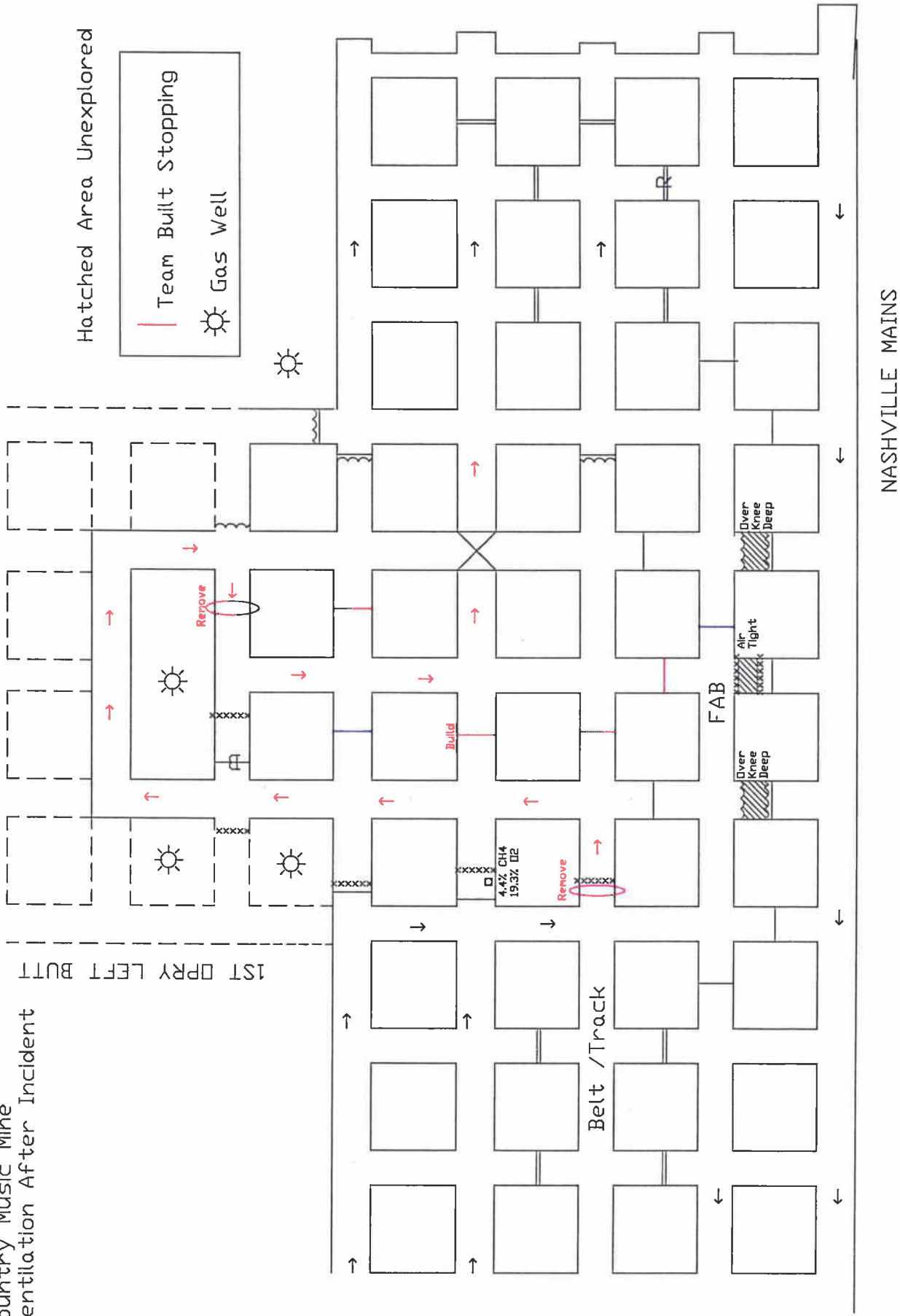


NASHVILLE MAINS

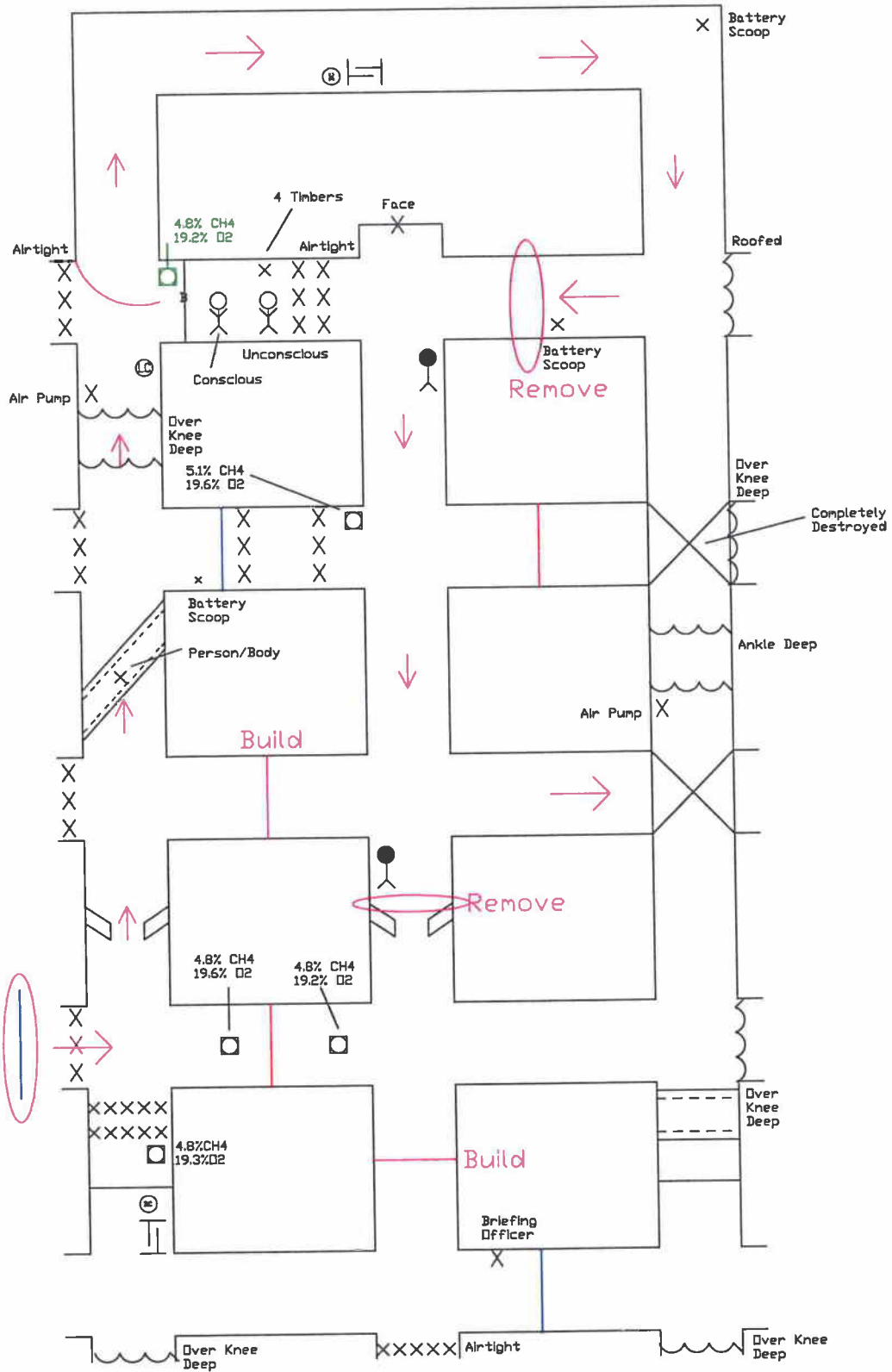
2nd Ventilation



3rd Ventilation Change Outby
Country Music Mine
Ventilation After Incident



3rd Ventilation



Patient Statement

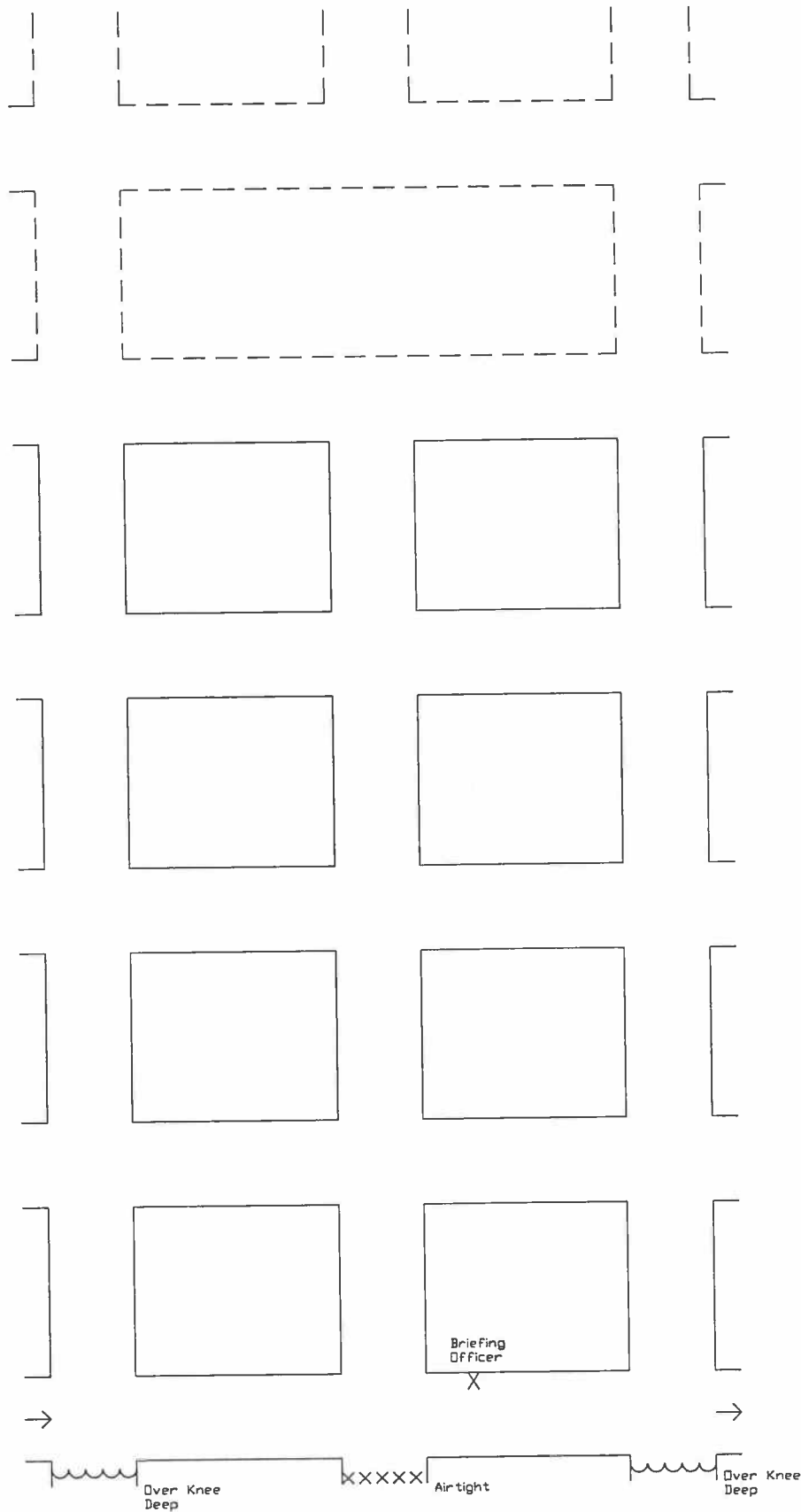
HELP! HELP!

IT IS AIRTIGHT ALL AROUND ME .

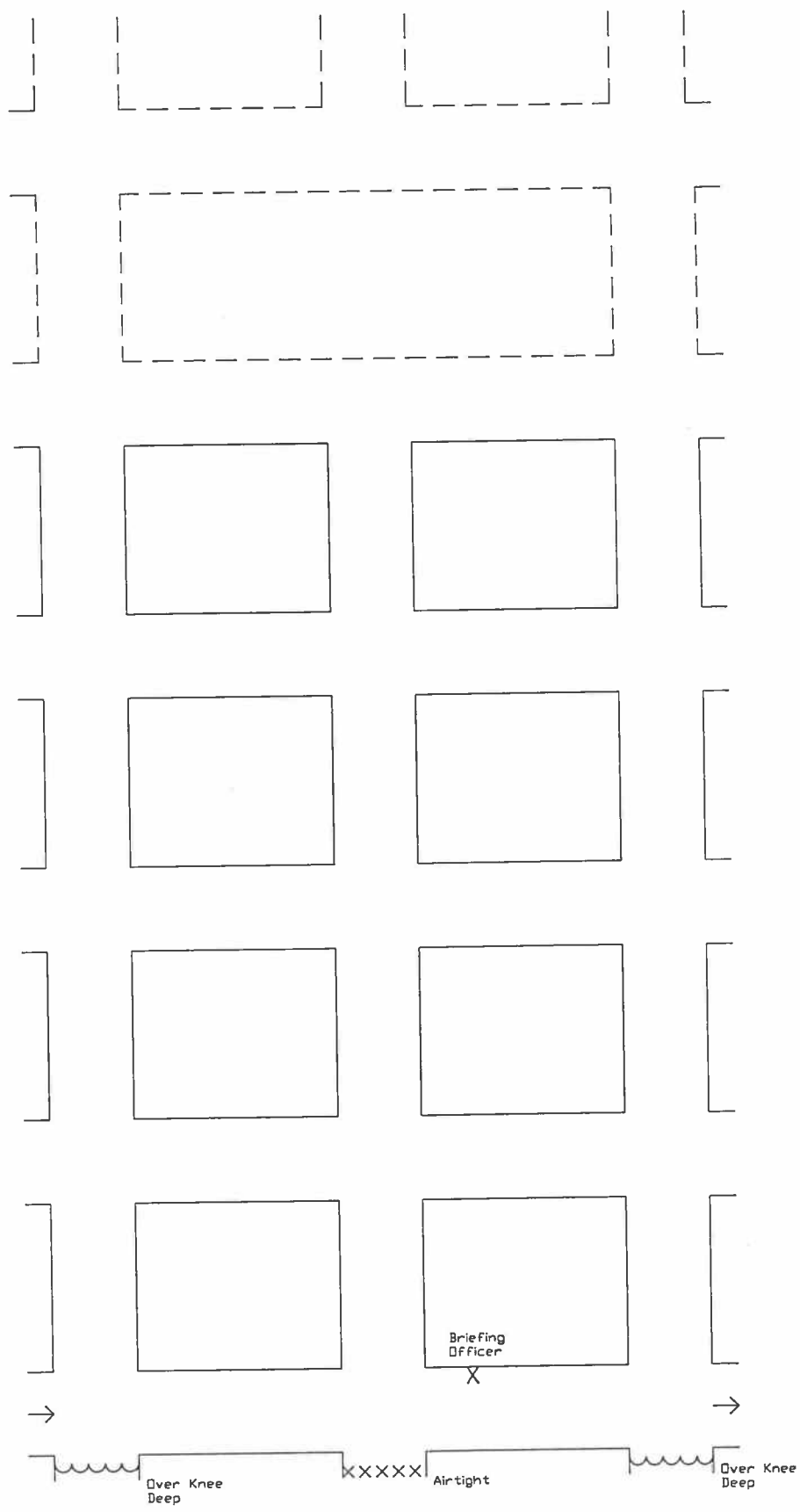
GET ME OUT!

GET ME OUT!

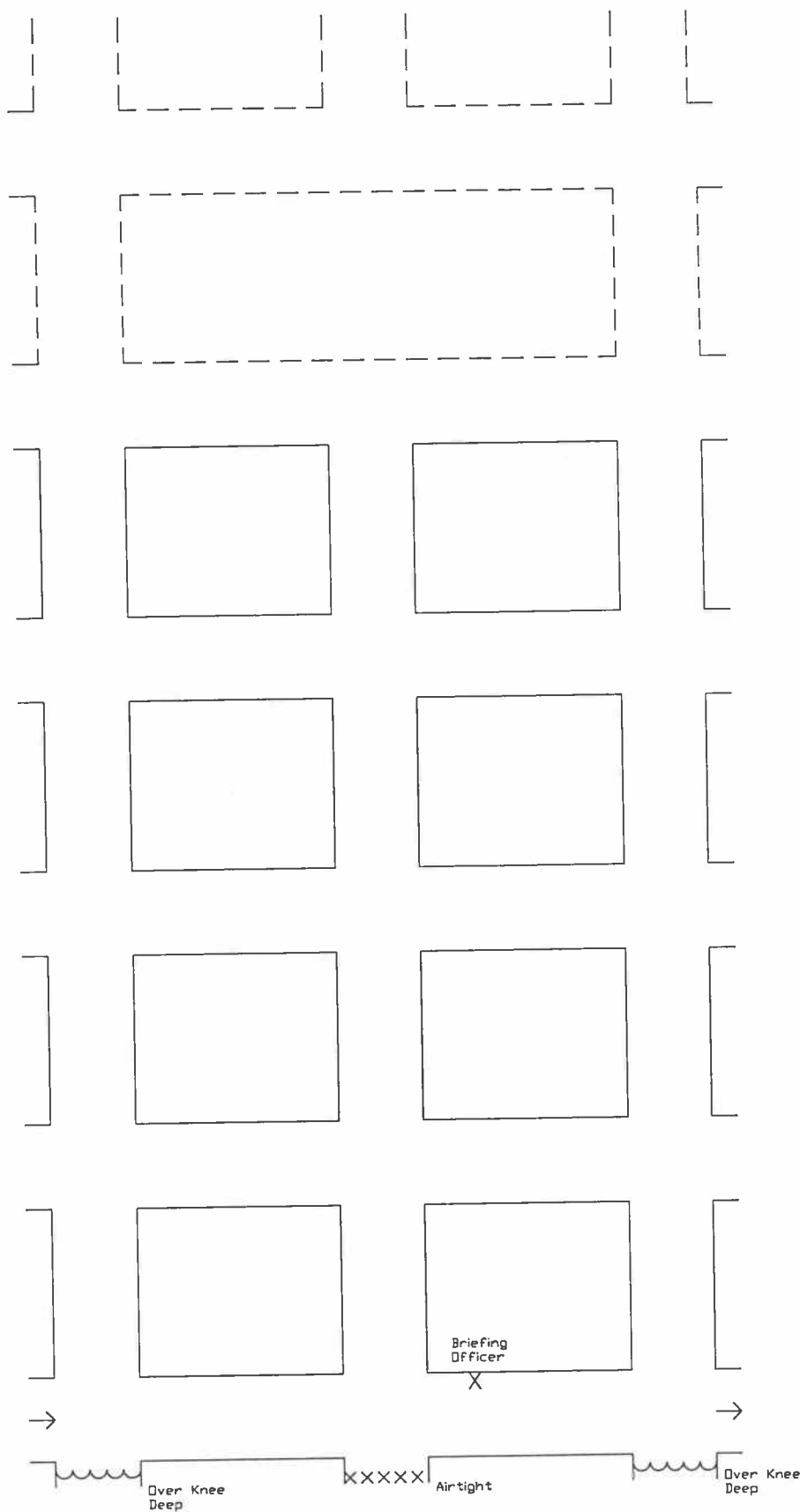
FINAL VENTILATION MAP



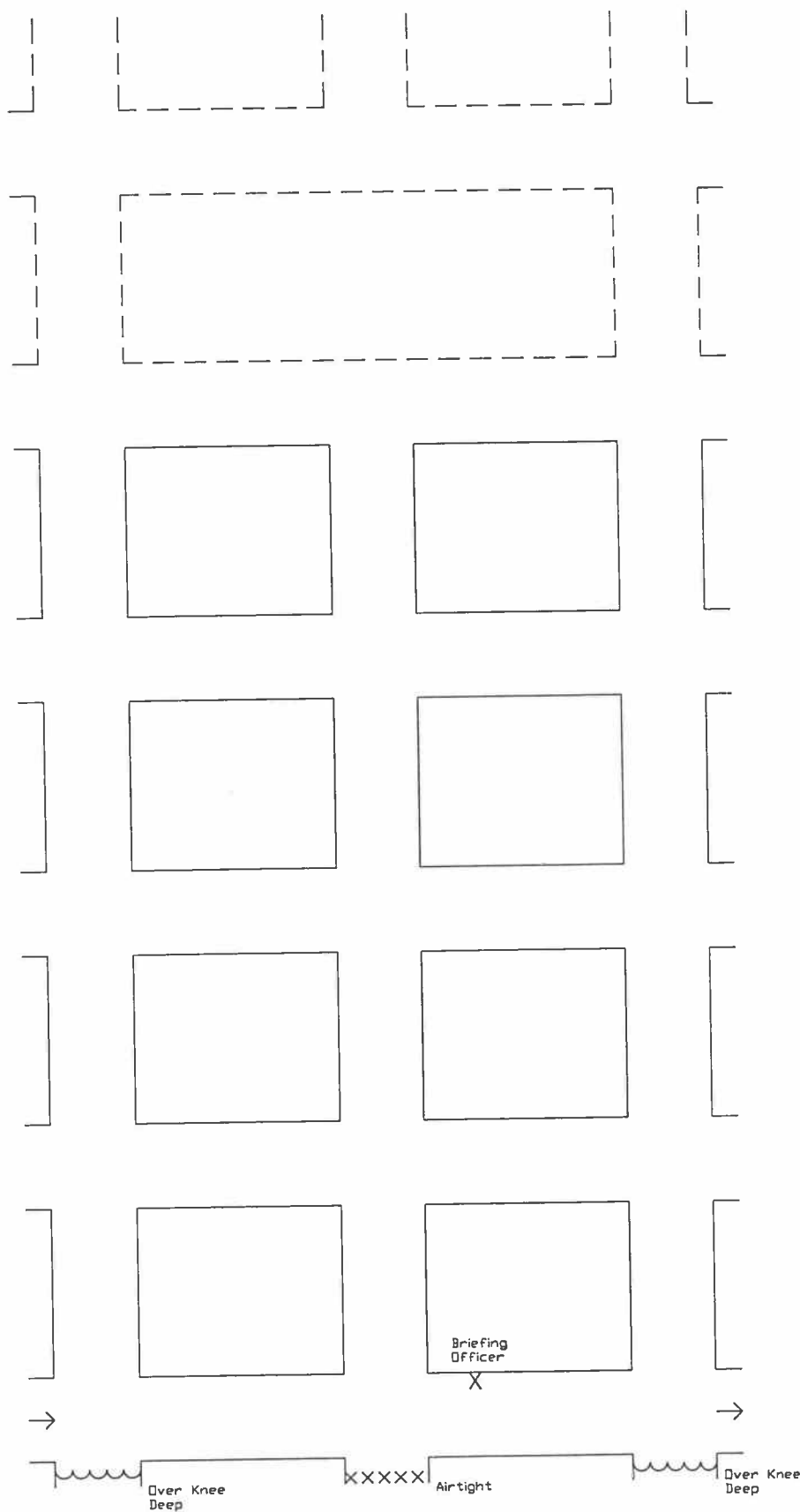
FINAL VENTILATION MAP



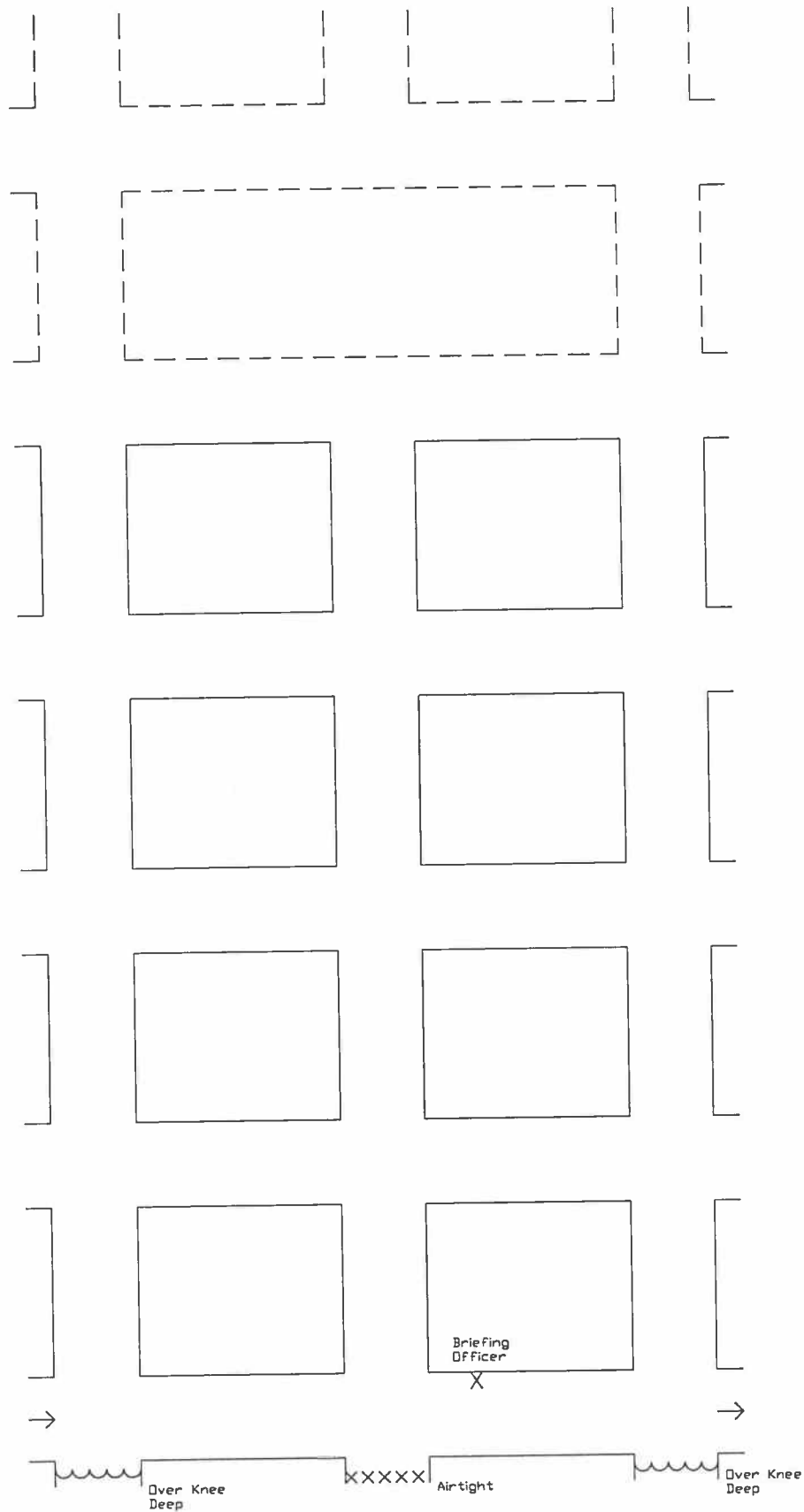
FINAL VENTILATION MAP



FINAL VENTILATION MAP



FINAL VENTILATION MAP



FINAL VENTILATION MAP

