

2013 Pennsylvania State Mine Rescue Contest

Team Statement

I am _____, Superintendent of the Car-Mike mine. Thank you for responding to this emergency.

You will begin work at the established fresh air base.

Last night while 5 miners were doing routine maintenance in the 2 Left section of the mine, the air monitoring system alerted the responsible person on the surface at 1am of high CO levels at the 2 Left main section. No other persons were underground at the time.

When the responsible person could not reach anyone underground, he immediately activated the Emergency Notification List.

Shortly after 1:30 am, one miner returned to surface stating that he felt a blast of hot air and dust in by the 2 left sections on the Mains. He could not contact the other miners.

The mine rescue teams arrived at 2:30 am and with permission of the State, Federal and Company officials started a bare faced exploration of the outby areas.

You are currently located at the fresh air base on the 2 Left sections. The previous mine rescue teams explored everything to this point.

This mine runs on an exhaust ventilation system. The fan is running. It can be turned on or off to blowing or exhaust at your request, however it cannot be stalled.

All electrical circuits and conduits have has been disconnected in by this point. The belt line has been cut outby the suspected incident area.

The coal seam being mined is walking height and the roof is supported by resin based roof bolts.

Water has been encountered in the mine, however no pumps are available to pump water if needed.

Two mine rescue teams will serve as back up mine rescue teams while you are working. Neither team will be able to assist you when working the problem.

We have a competent judge to give and receive signals (person will be pointed out)

The maps of the 2 Left section are not up to date.

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

1. Two blank maps; one for the map man and one for the briefing officer.

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Local Rules

- Existing items at fresh air base do not need to be mapped.
- Teams may only carry 2 brattice cloths at one time.
- Teams damaging the fields shall be assessed accordingly.
- Teams cannot disassemble barricades or overcasts for ventilation purposes
- If teams are sharing equipment, equipment shall be left at the white storage trailer by the scoreboard. No contact can be made by any team member or trainer with the second team.

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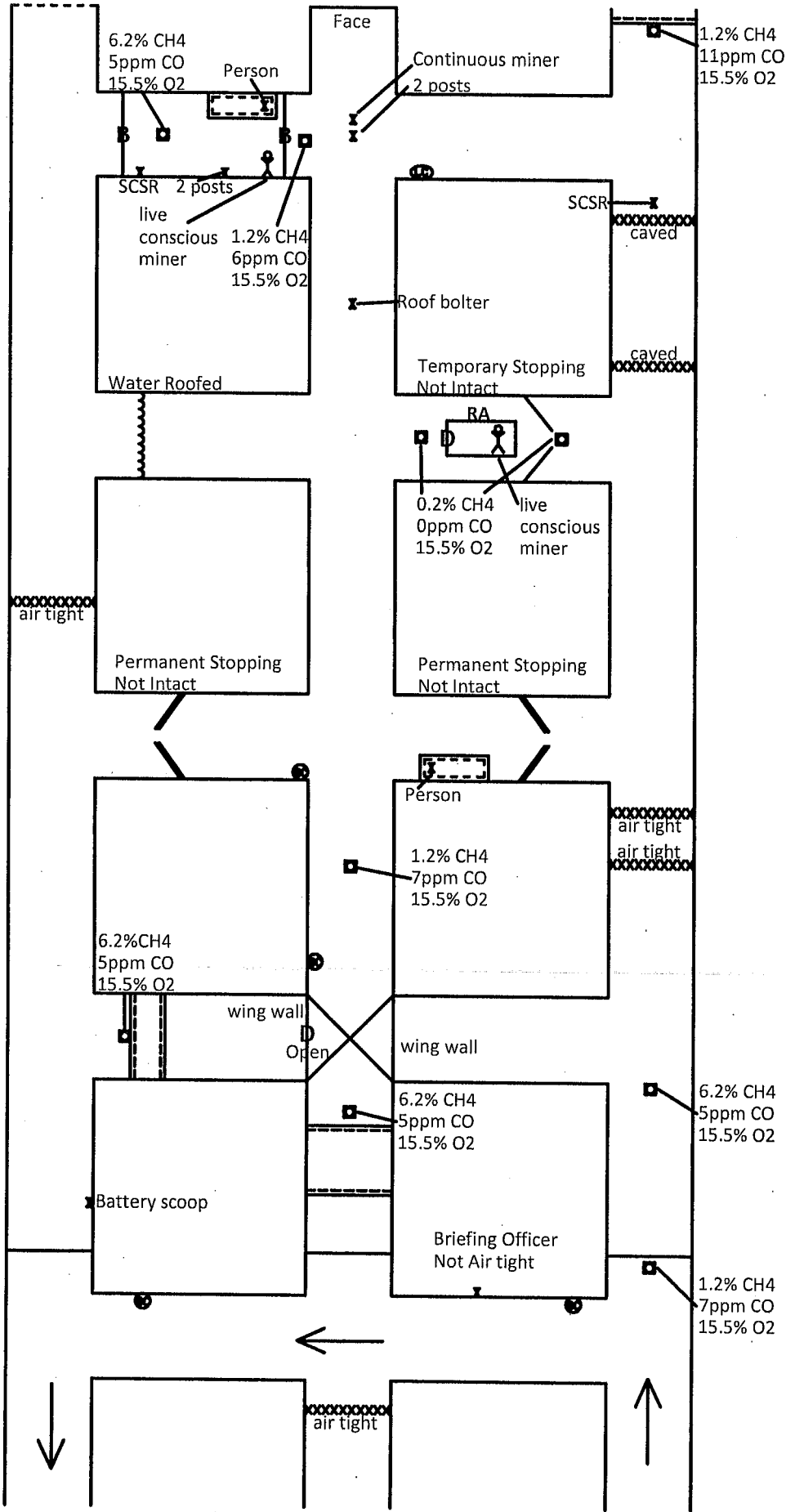
Problem

(Written Instructions)

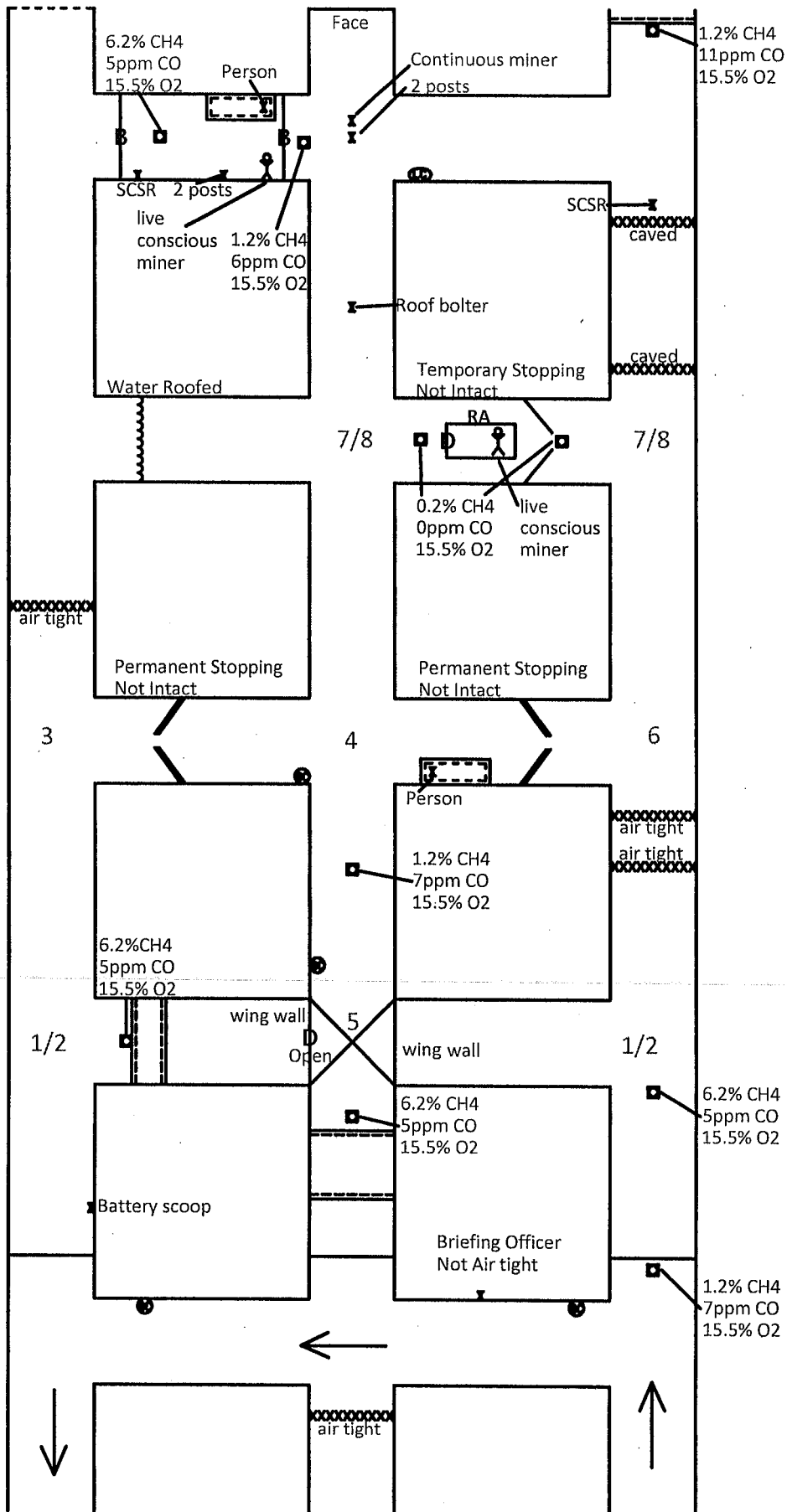
**Explore all areas of the mine that
can be done safely .**

**Bring all survivors to the fresh air
base.**

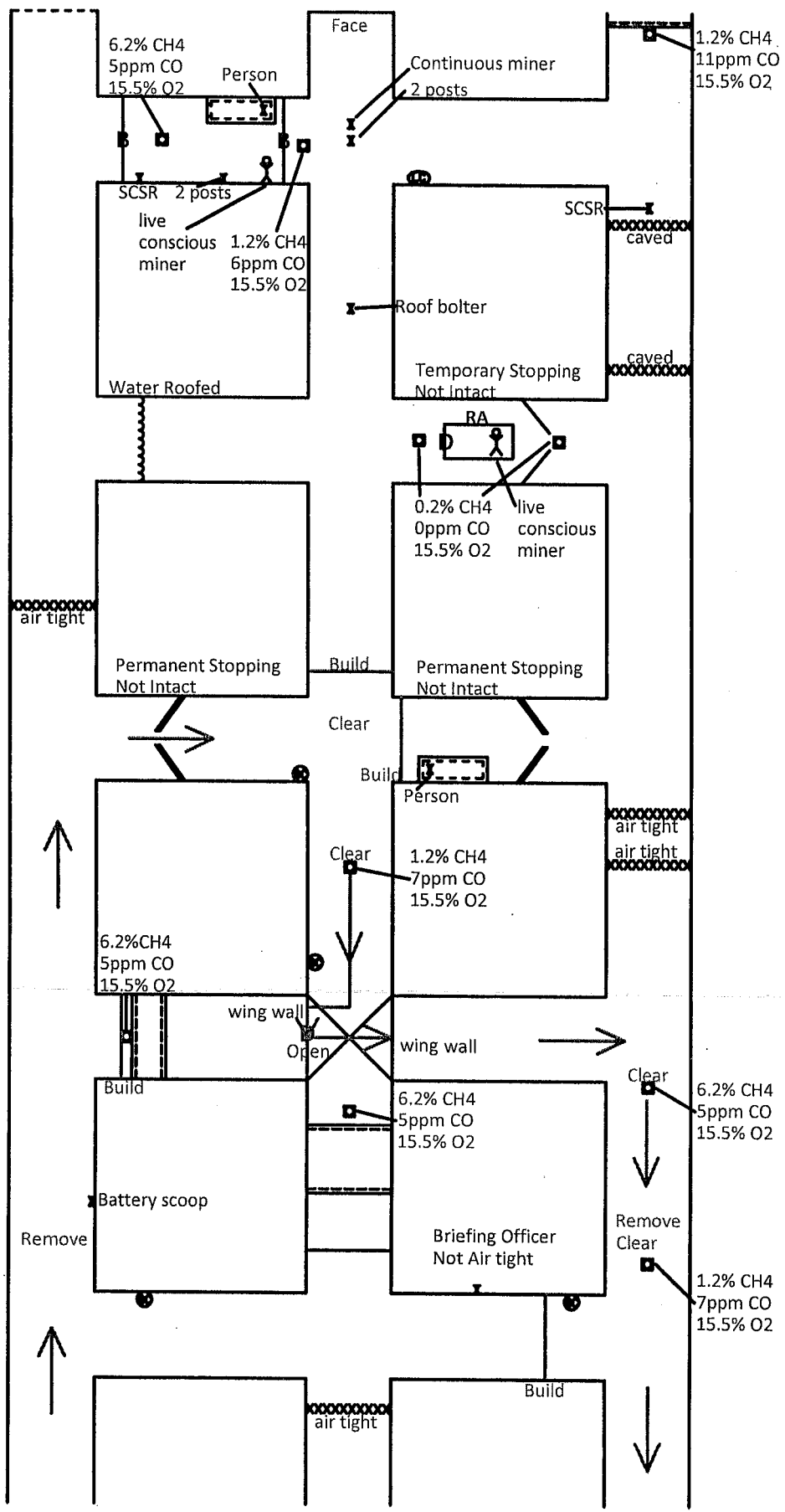
**The team will have 65 (sixty five)
minutes to complete the problem**



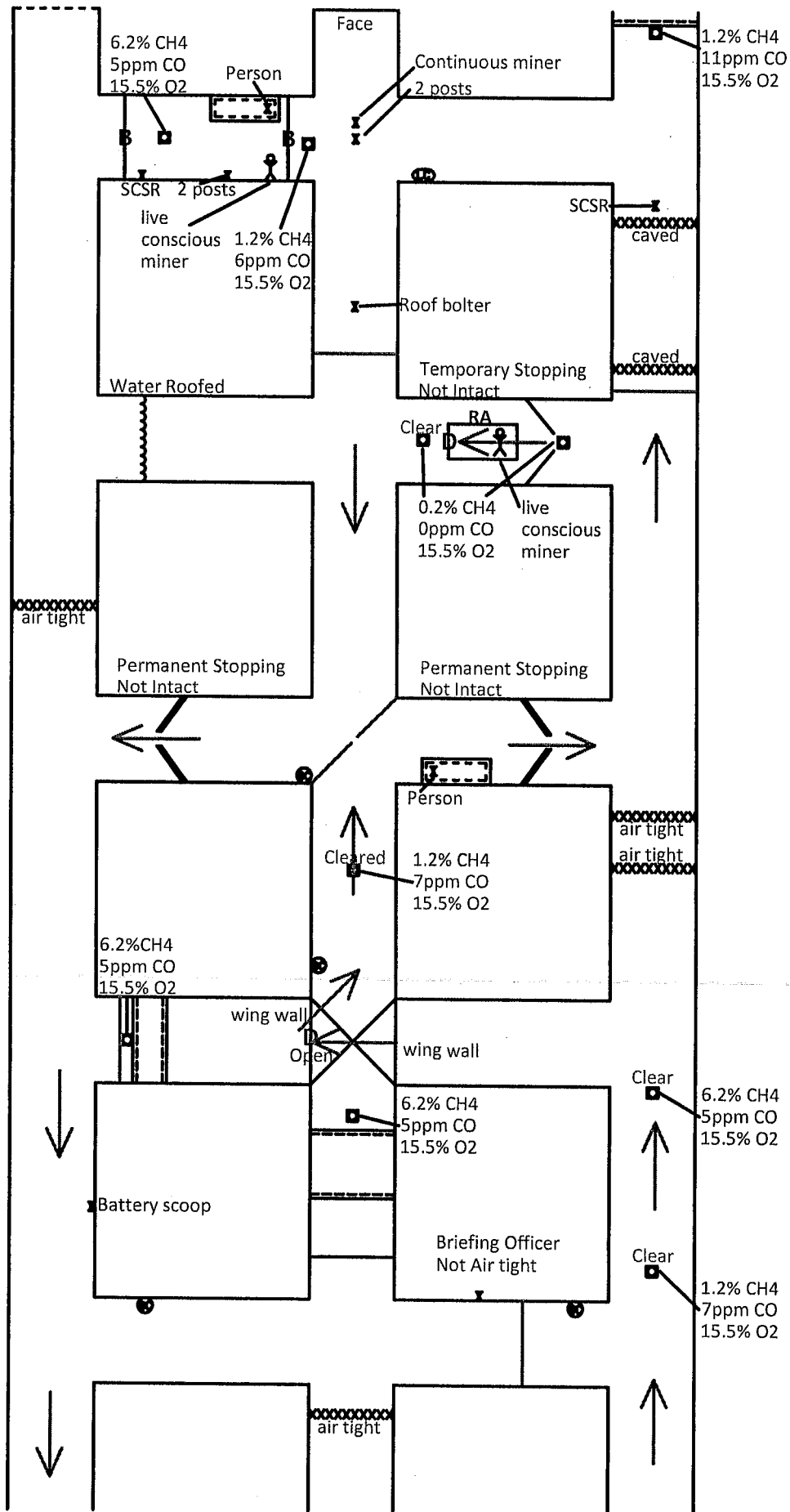
Field set up



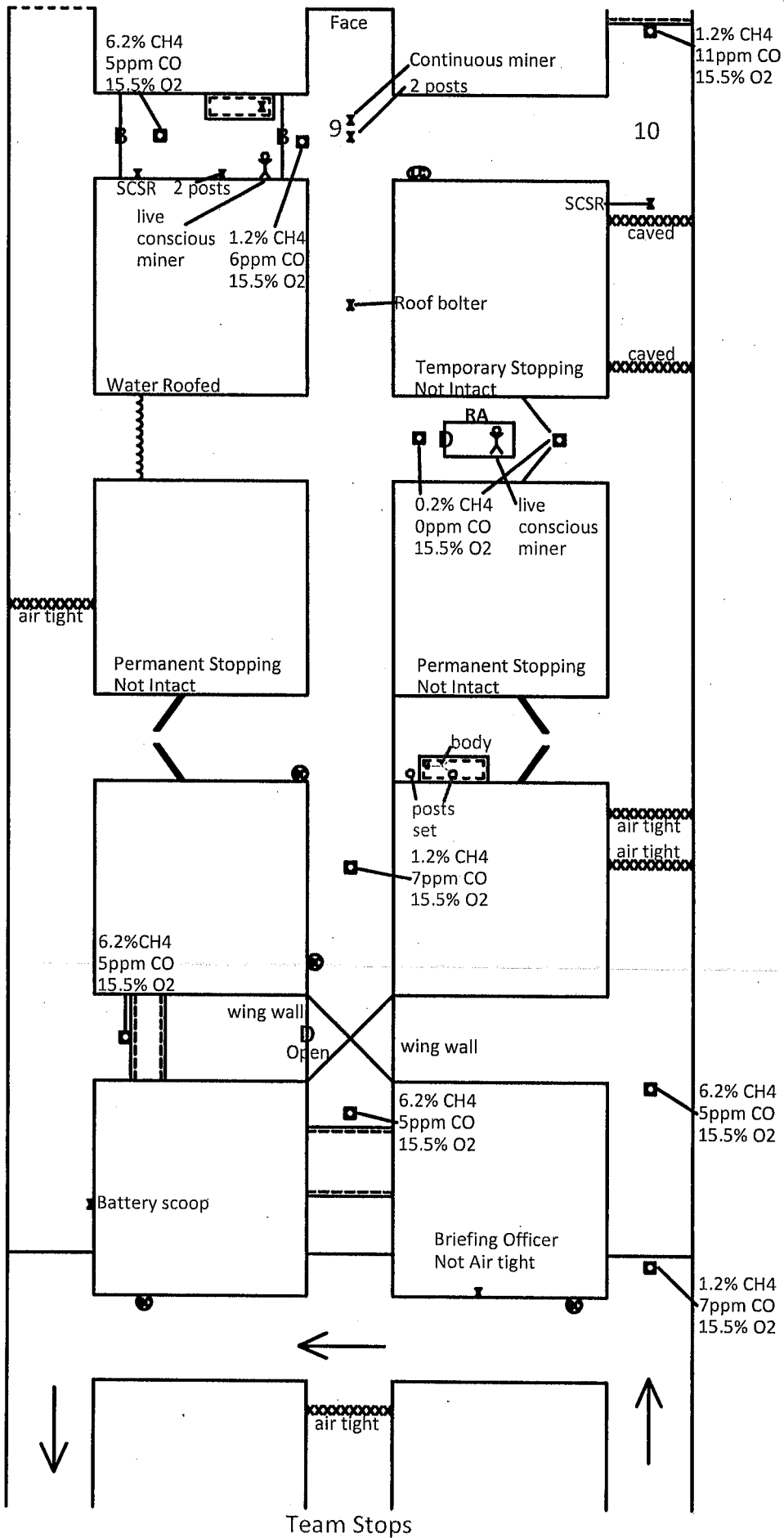
Team Stops

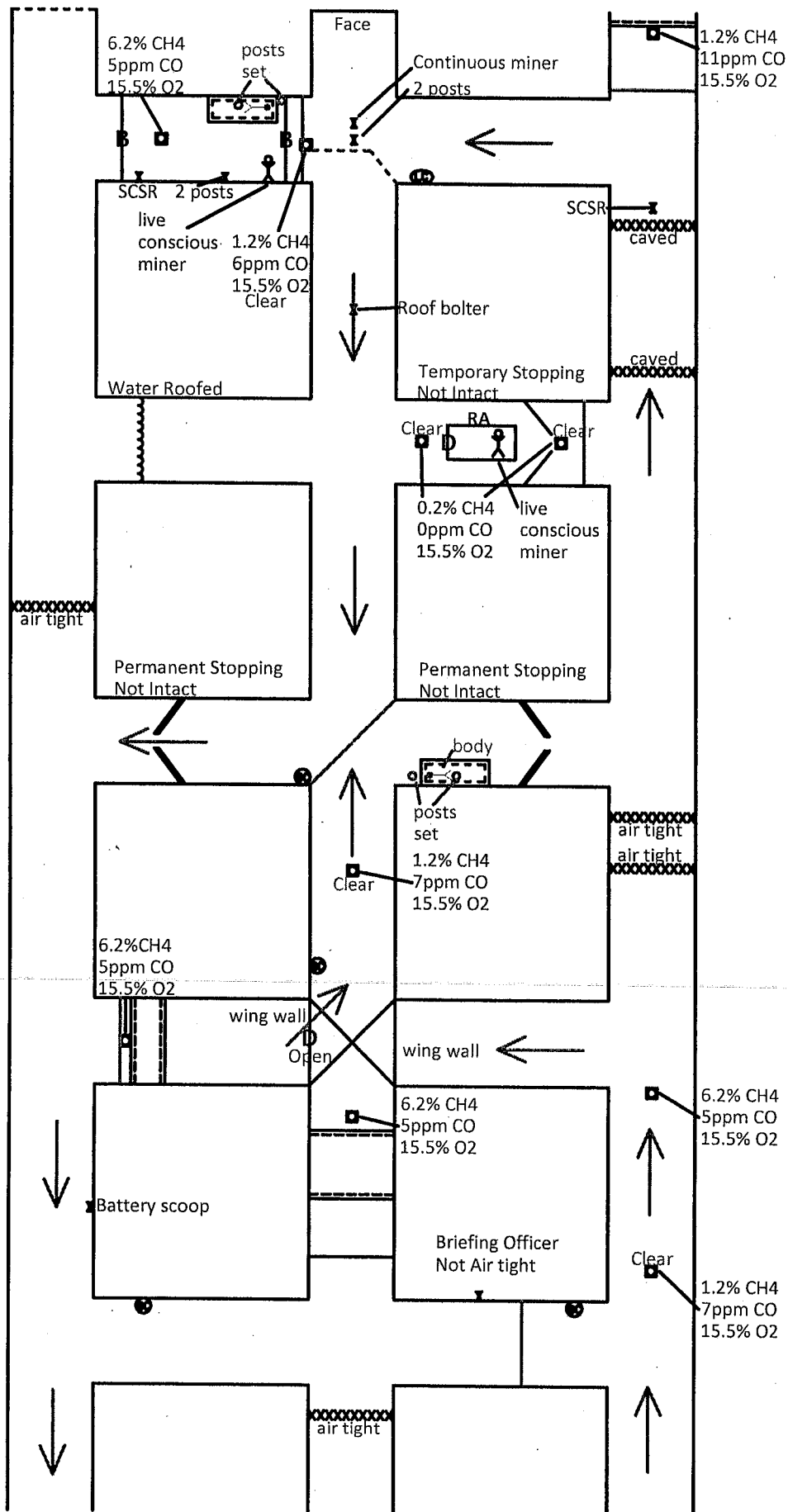


First Ventilation - Blowing



Second Ventilation - Exhaust





Third Ventilation - Exhaust