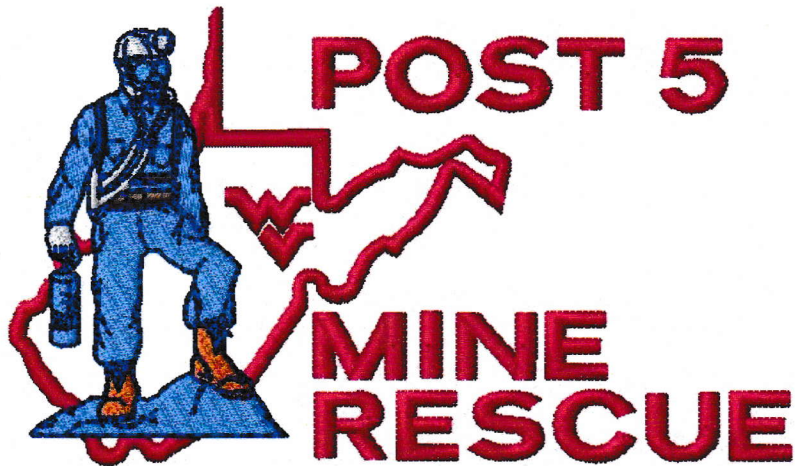


**2014 POST NO. 5 &
WEST VIRGINIA STATE
MINE RESCUE
CONTEST
DAY 1**



**August 12, 2014
Mylan Park
Morgantown, WEST VIRGINIA**

2014 Post 5 and West Virginia State Mine Rescue Contest
Day 1
Statement

Welcome to the Mountaineer Blue Mine, and thank you for responding to our emergency. This mine currently consists of three developing sections and one longwall section. The mine is ventilated via the Morgan Run dual compartment Intake/Return shaft with a blowing fan. We have been having problems maintaining adequate ventilation through our longwall bleeder system. Our 3 Northeast section has been driving toward the 2 North bleeder entries to connect into the bleeder system in order to enhance the overall system. Recently that section connected the No. 2 and No. 3 entries into the bleeder system. Last night, the five man crew was to go in to complete the connection in the No. 1 entry. At 3:36 this morning the fan alarm activated, signaling that the Morgan Run fan had gone down. We contacted all of the sections and informed them to immediately exit the mine. All of the miners have been accounted for except the 3 Northeast section crew. All attempts to contact the 3 Northeast section crew have been unsuccessful. Mine Rescue teams, State and Federal authorities have been notified. A Mine Rescue Team has explored up to the 73rd crosscut of the 3 Northeast section and established a Fresh Air Base at that location, where you will be taken to begin your exploration of the 3 Northeast Section.

The Morgan Run fan is still inoperable but will hopefully be back in operation shortly. Please check with the Mine Superintendent as to the status of the fan. Once the fan is running, it cannot be stopped, stalled or reversed. Air normally intakes up No. 3 entry and returns out No. 1 entry in the 3 Northeast Section. The briefing officer's designated area is located in the fresh air base. The briefing officer's area becomes a self-contained, airtight chamber when the door is closed. To accomplish this, attach the curtain on the briefing officer's blind on both sides.

The mine is walking height, and we have encountered adverse roof conditions, water and methane. All electrical circuits have been deenergized, locked and tagged out in by the fresh air base.

Mine maps (up-to-date as of the end of afternoon shift yesterday) and the written problem will be given to you when you arrive at the Fresh Air Base and are ready to begin.

Good Luck

**2014 Post 5 and West Virginia State Mine Rescue
Contest
Day 1
Problem
(Written Instructions)**

**EXPLORE ALL AREAS OF THE MINE THAT CAN BE
SAFELY EXPLORED**

**ACCOUNT FOR ALL MISSING MINERS AND BRING
SURVIVORS TO THE FRESH AIR BASE**

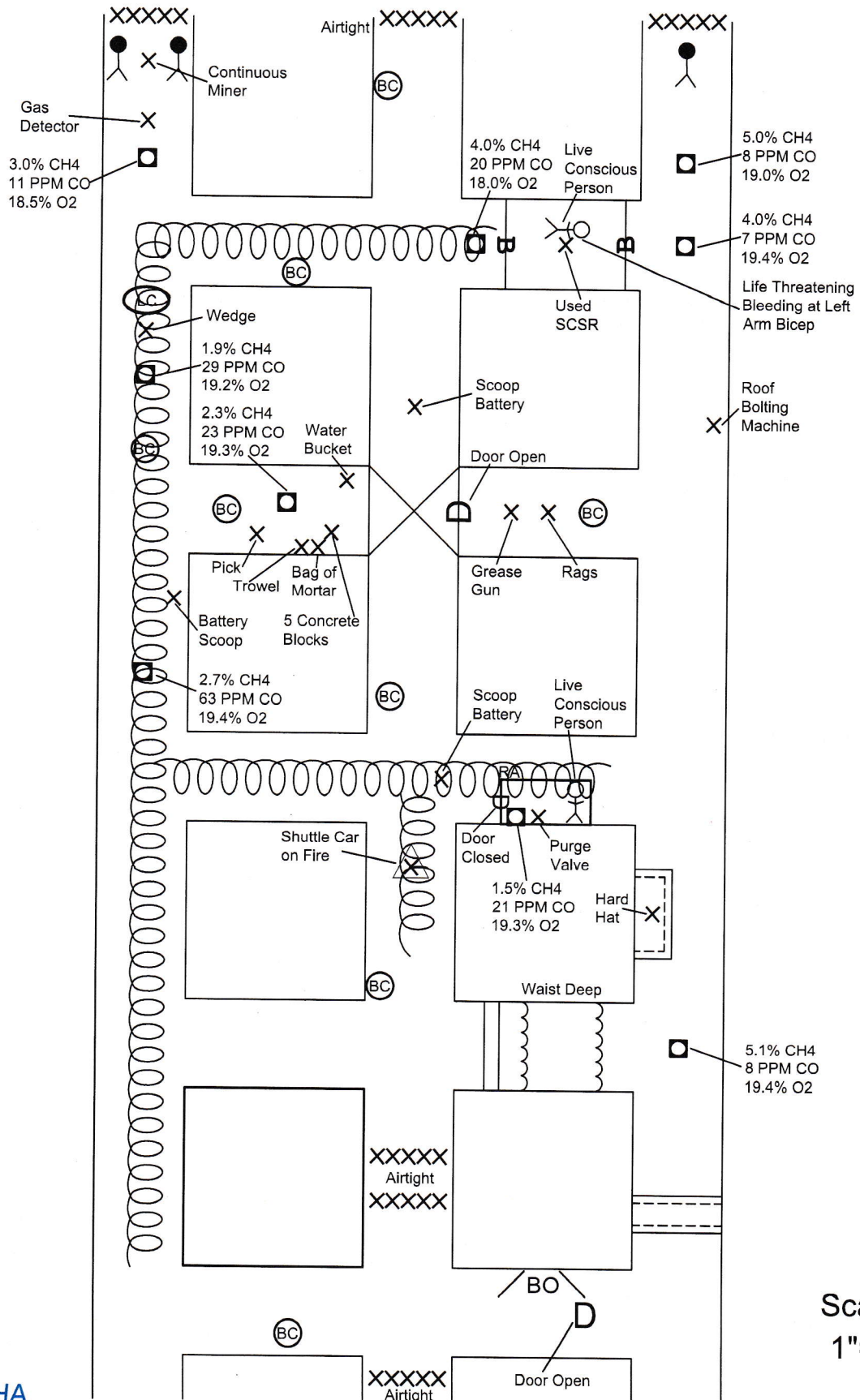
**THE TEAM MAY NOT CARRY MORE THAN TWO (2)
BRATTICE CLOTHS AT ANY ONE TIME**

**ONCE STARTED, THE FAN CANNOT BE STOPPED,
STALLED, OR REVERSED**

**YOU HAVE A MAXIMUM OF 80 MINUTES TO
WORK THE PROBLEM**

2014 Post 5 and West Virginia State Mine Rescue Contest

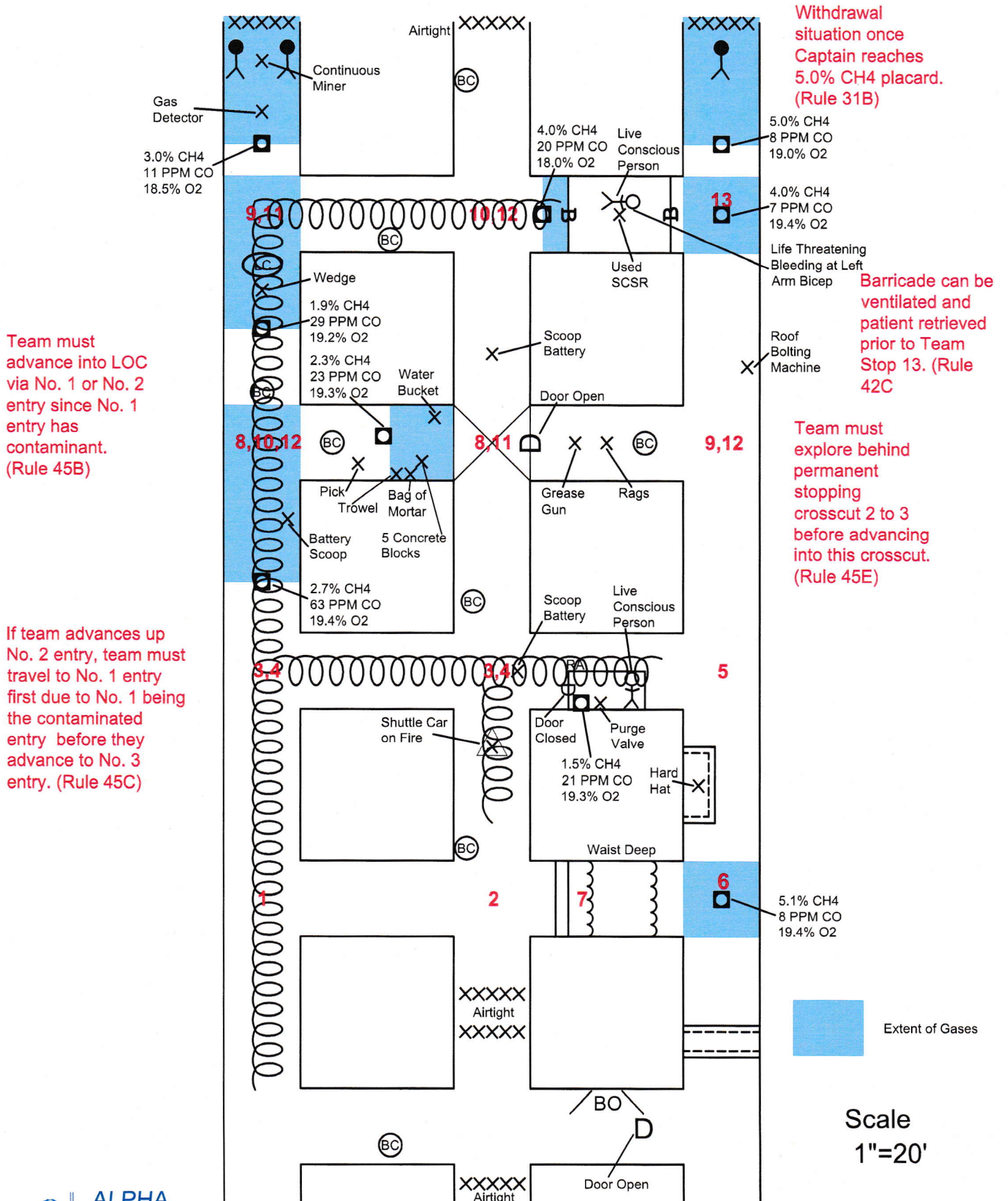
Problem Map - Day 1



Scale
1"=20'

2014 Post 5 and West Virginia State Mine Rescue Contest

Possible Team Stops - Day 1



Team must advance into LOC via No. 1 or No. 2 entry since No. 1 entry has contaminant. (Rule 45B)

If team advances up No. 2 entry, team must travel to No. 1 entry first due to No. 1 being the contaminated entry before they advance to No. 3 entry. (Rule 45C)

Withdrawal situation once Captain reaches 5.0% CH4 placard. (Rule 31B)

Barricade can be ventilated and patient retrieved prior to Team Stop 13. (Rule 42C)

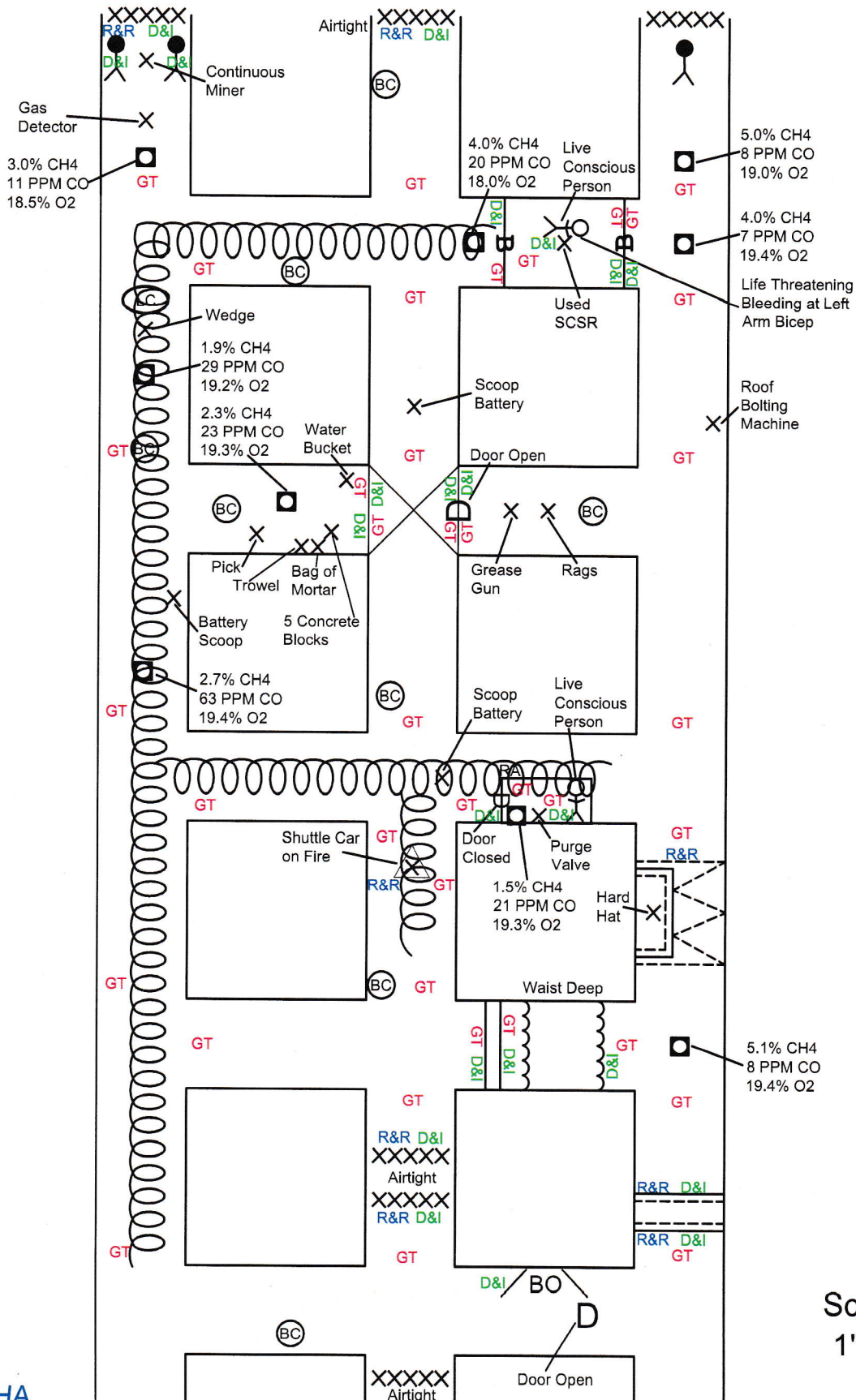
Team must explore behind permanent stopping crosscut 2 to 3 before advancing into this crosscut. (Rule 45E)

2014 Post 5 and West Virginia State Mine Rescue Contest

R&R Roof & Rib Test

GT CH₄-CO-O₂ Test

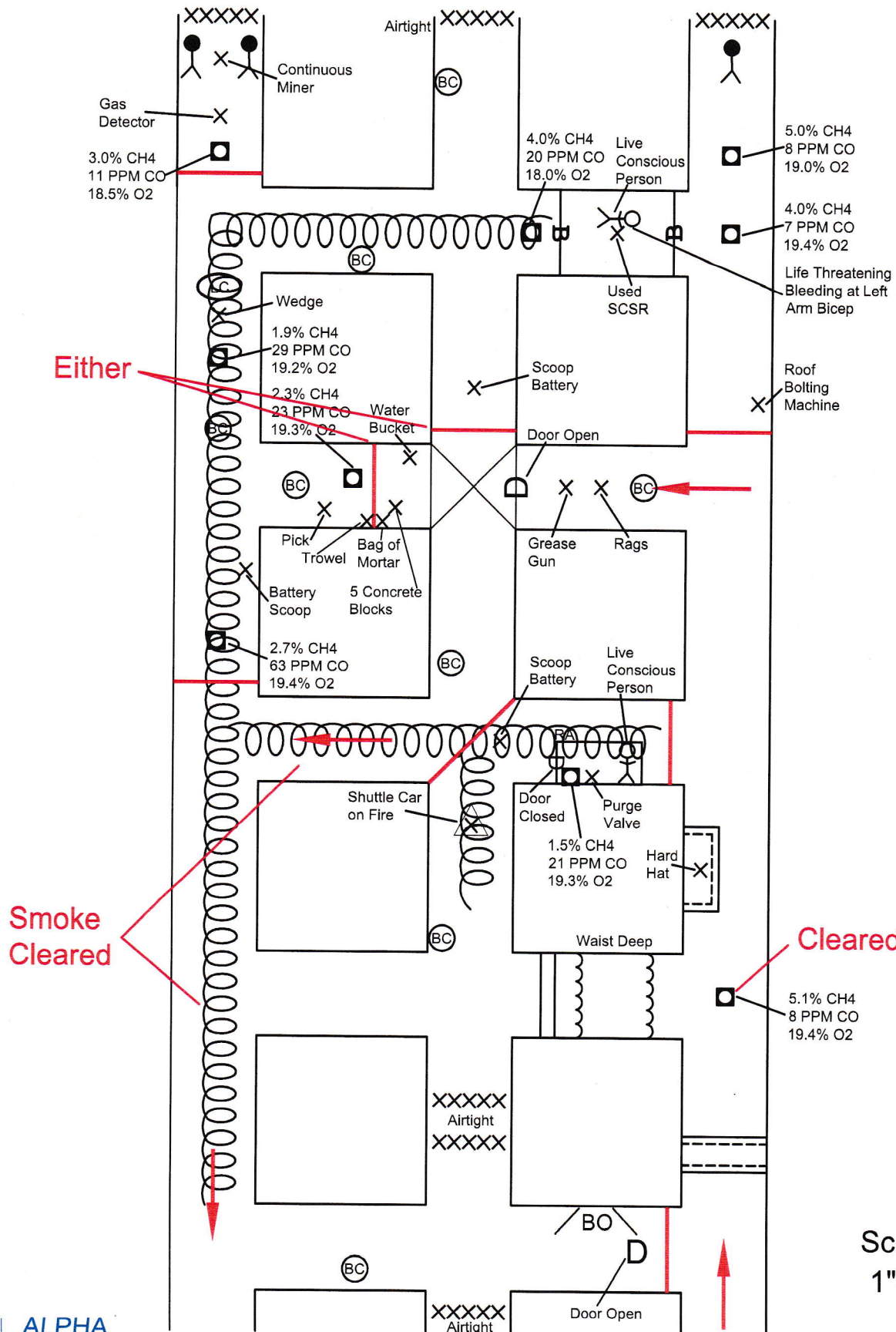
D&I Date & Initial



Scale
1"=20'

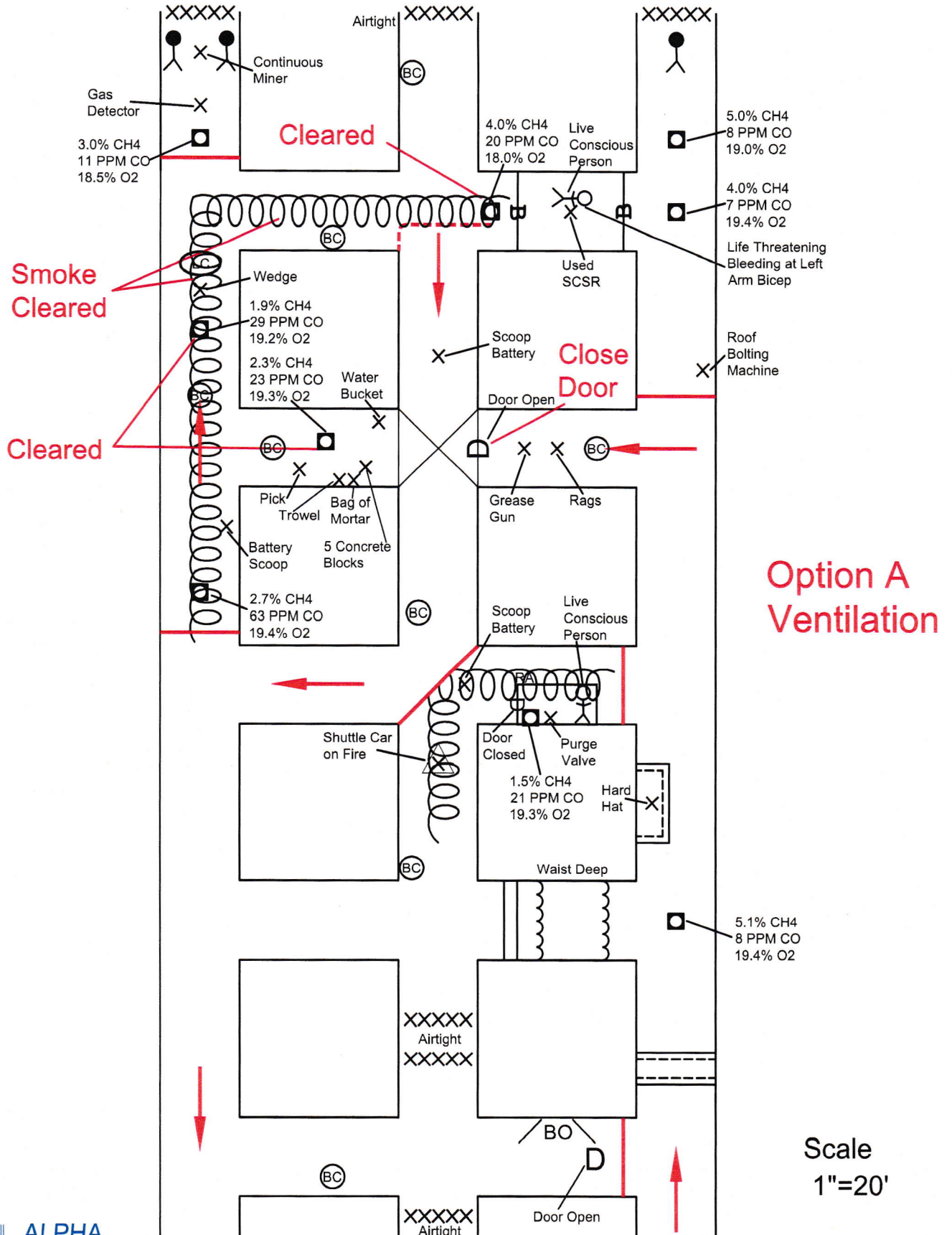
2014 Post 5 and West Virginia State Mine Rescue Contest

First Ventilation - Day 1



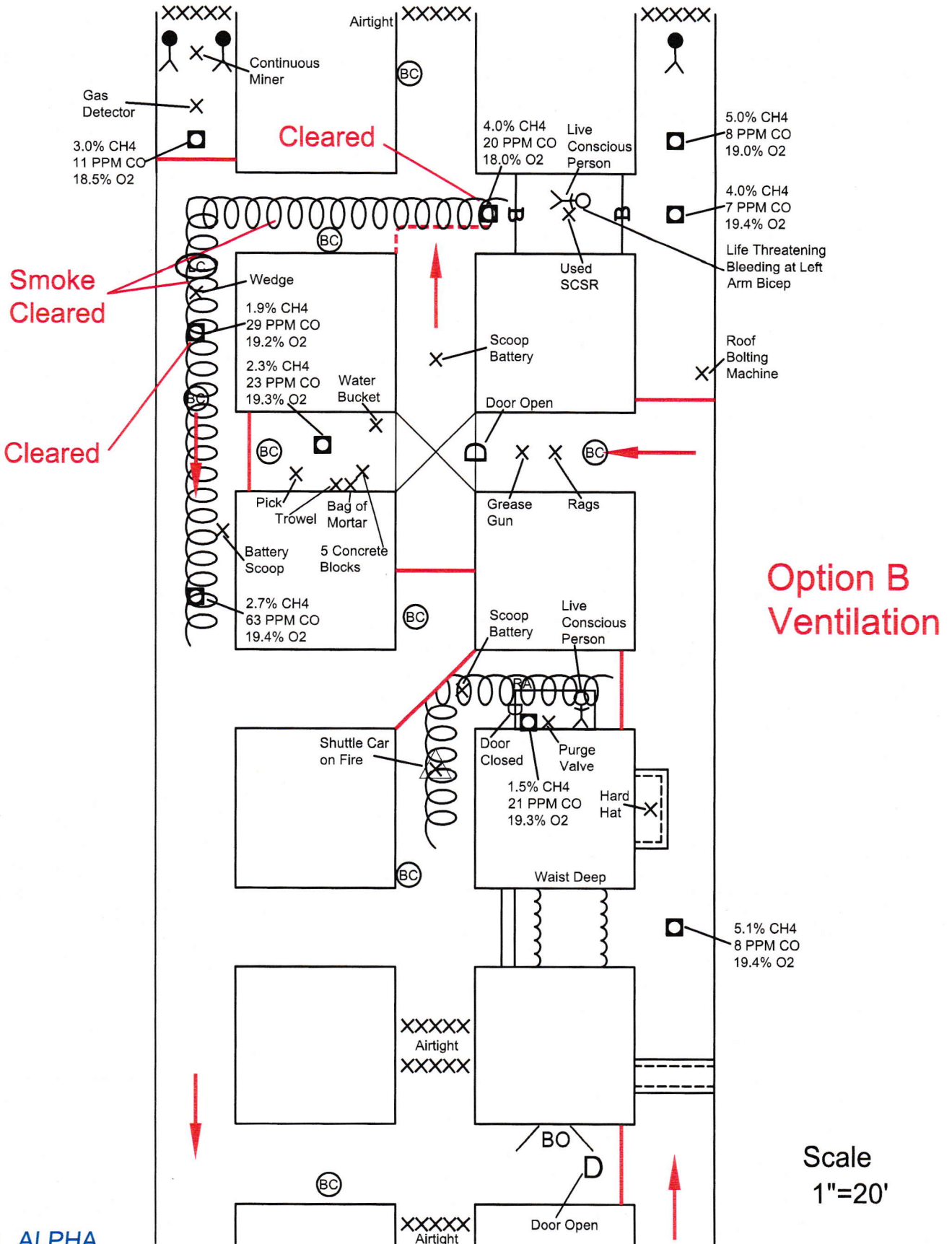
2014 Post 5 and West Virginia State Mine Rescue Contest

Second Ventilation - Day 1



2014 Post 5 and West Virginia State Mine Rescue Contest

Second Ventilation - Day 1



Day 1
RA Patient
Statement

Help get me out of
here

Day 1

Patient in Barricade

**Help, get me out of
here. There is an
airtight stopping
behind me.**

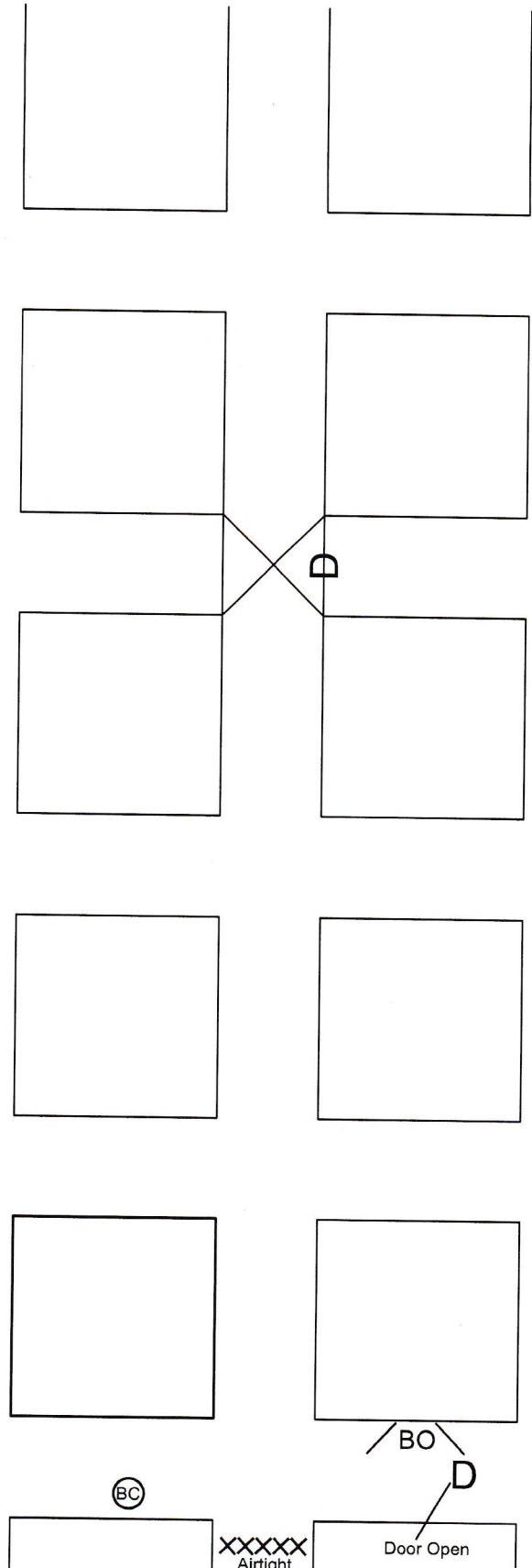
2014 Post 5 and West Virginia State Mine Rescue Contest

Team
No. _____

Final Ventilation Map - Day 1

Field
No. _____

Show
Ventilation
Structures
left intact
when clock
was stopped



Captain's
Initials

Scale
1"=20'

Brattice Cloth Found in Problem

- ❖ Brattice Cloth attached on both sides of an entry or crosscut will represent: Intact permanent or temporary stoppings, or stoppings with door closed. The placard will specifically identify the structure.
- ❖ Brattice Cloth attached only on one side of entry or crosscut will represent: Permanent or temporary stoppings not intact, damaged or partially destroyed, or stoppings with doors open. The placard will specifically identify the structure.
- ❖ A brattice cloth lying across an entry or crosscut with neither end attached will represent a completely destroyed permanent or temporary stopping. The material may be used to build a temporary stopping. The placard will specifically identify the structure.
- ❖ Each Brattice Cloth is provided with a date board. ALL D&I's REQUIRED BY THE RULES FOR STOPPINGS, OVERCASTS, ETC. SHALL BE LOCATED ON THE DATE BOARDS.
- ❖ Barricades and overcasts may be constructed using the typical brattice frames and brattice cloths or new short brattice cloths. Overcasts and barricades cannot be dismantled.
- ❖ A team may only carry two Brattice Cloths at any one time.

Conditions such as caved areas, unsafe roof areas, bodies of water, will extend rib to rib, perpendicular to team travel unless otherwise indicated by ribbon.