

2016 Indiana State Mine Rescue and Pre-Shift Contest

Mine Rescue Problem



2016 INDIANA STATE MINE RESCUE STATEMENT

I am _____, Superintendent of the Federal #14 Mine. You are located on the surface of the mine. Last night an eight (8) man crew entered the mine and proceeded to the #4 Unit to perform maintenance and then start to run coal. At 6:35 a.m. this morning a miner called to surface from the unit and said they were experiencing problems. No contact has been established with the miners since the call. At 6:50 a.m., two (2) miners made it to the bottom of the shaft and came out of the mine. The miners who came out said they could not find the other miners and had no contact with them.

The #4 Unit has experienced bad roof and rib conditions, water problems, and high concentrations of methane gas. All power going into the mine has been de-energized and locked out. Air pumps can be used if available.

The #4 Unit has been ventilated by a blowing fan that is in operation located at the Main Portal. The fan can be interchanged from blowing to exhausting, but cannot be stalled, or restarted if it is shut off. We have been mining towards a new air shaft, but we are not sure if we have got there yet. Our surveyor had too much fun at the golf outing and our maps are not up to date.

All proper authorities have been notified, a command center has been established on the surface, and back-up mine rescue teams are standing by if needed.

This is all the information we have available at this time.

2016 INDIANA STATE MINE RESCUE CONTEST

WRITTEN INSTRUCTIONS

**EXPLORE THE MINE IN ITS ENTIRETY WHERE
SAFE TO DO SO. VENTILATE THE MINE AND
LEAVE THE MINE FOR BAREFACE
EXPLORATION.**

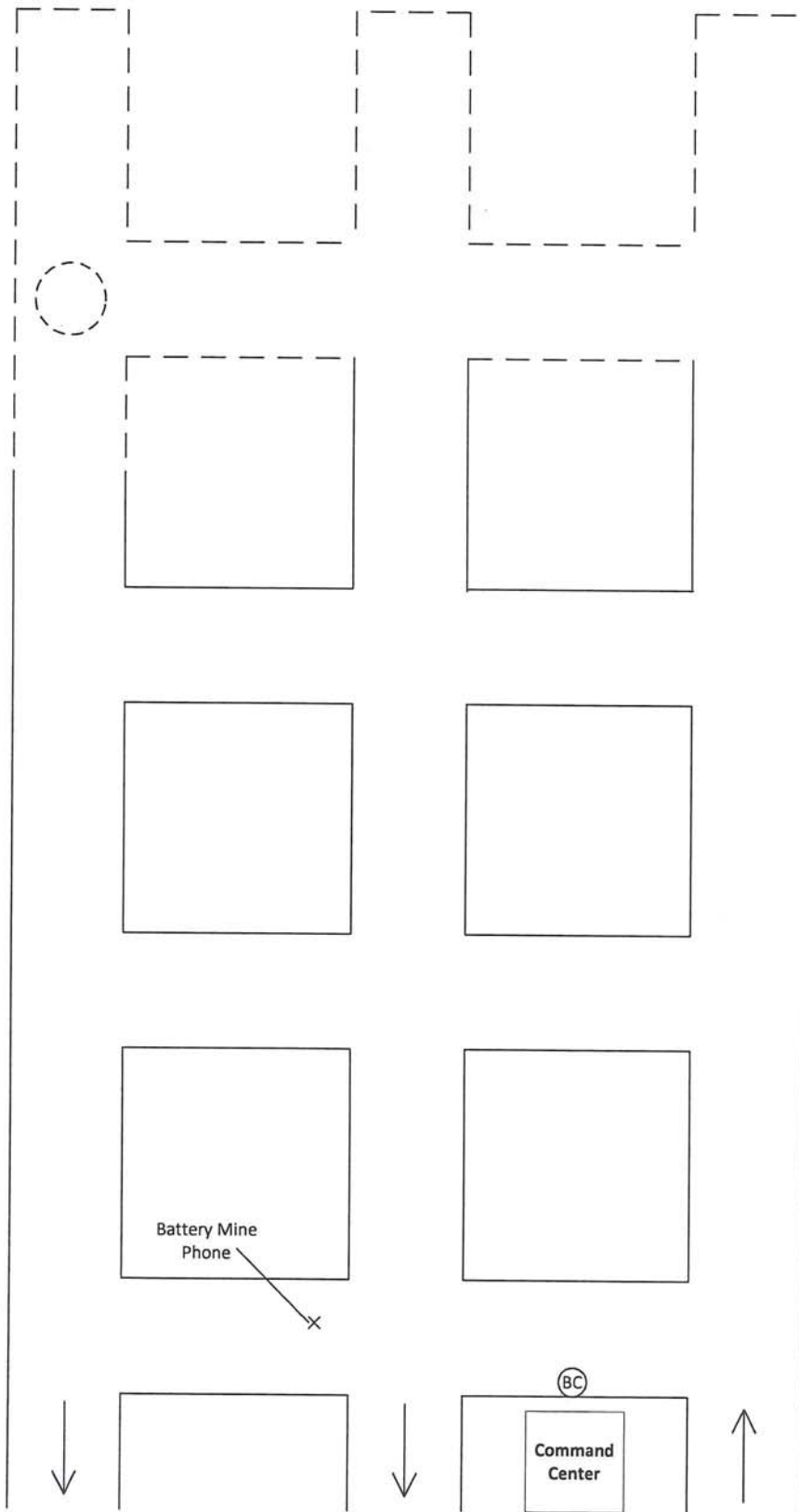
**THE FAN(S) YOU ARE WORKING WITH CAN BE
REVERSED, BUT CANNOT BE STALLED OR
RESTARTED IF IT IS SHUT OFF.**

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

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

Team Map

Team Working Order # _____



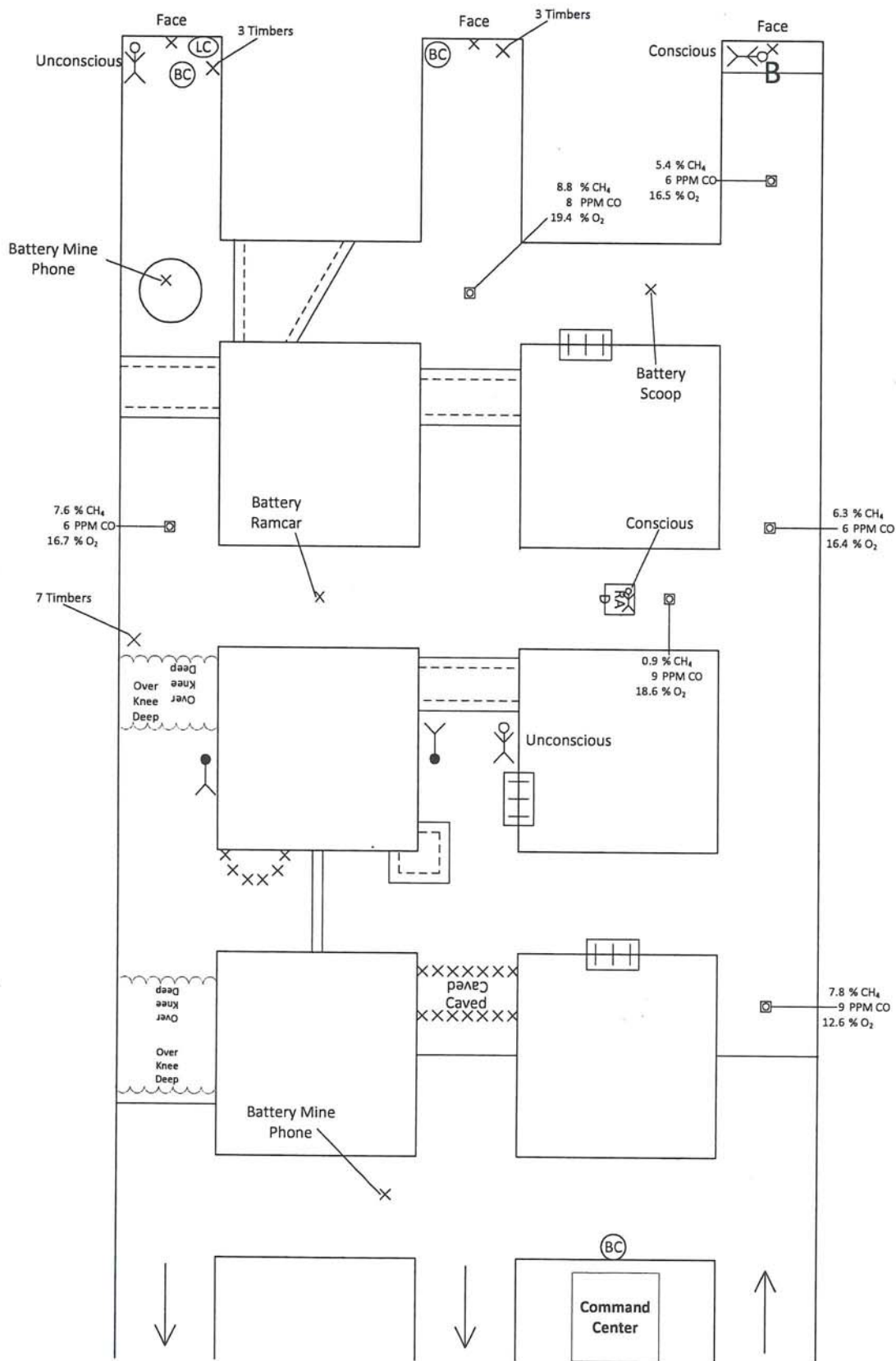
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COMMAND CENTER ATTENDANT ☐

BRIEFING OFFICER MAP ☐

Field Map

Team Working Order # _____

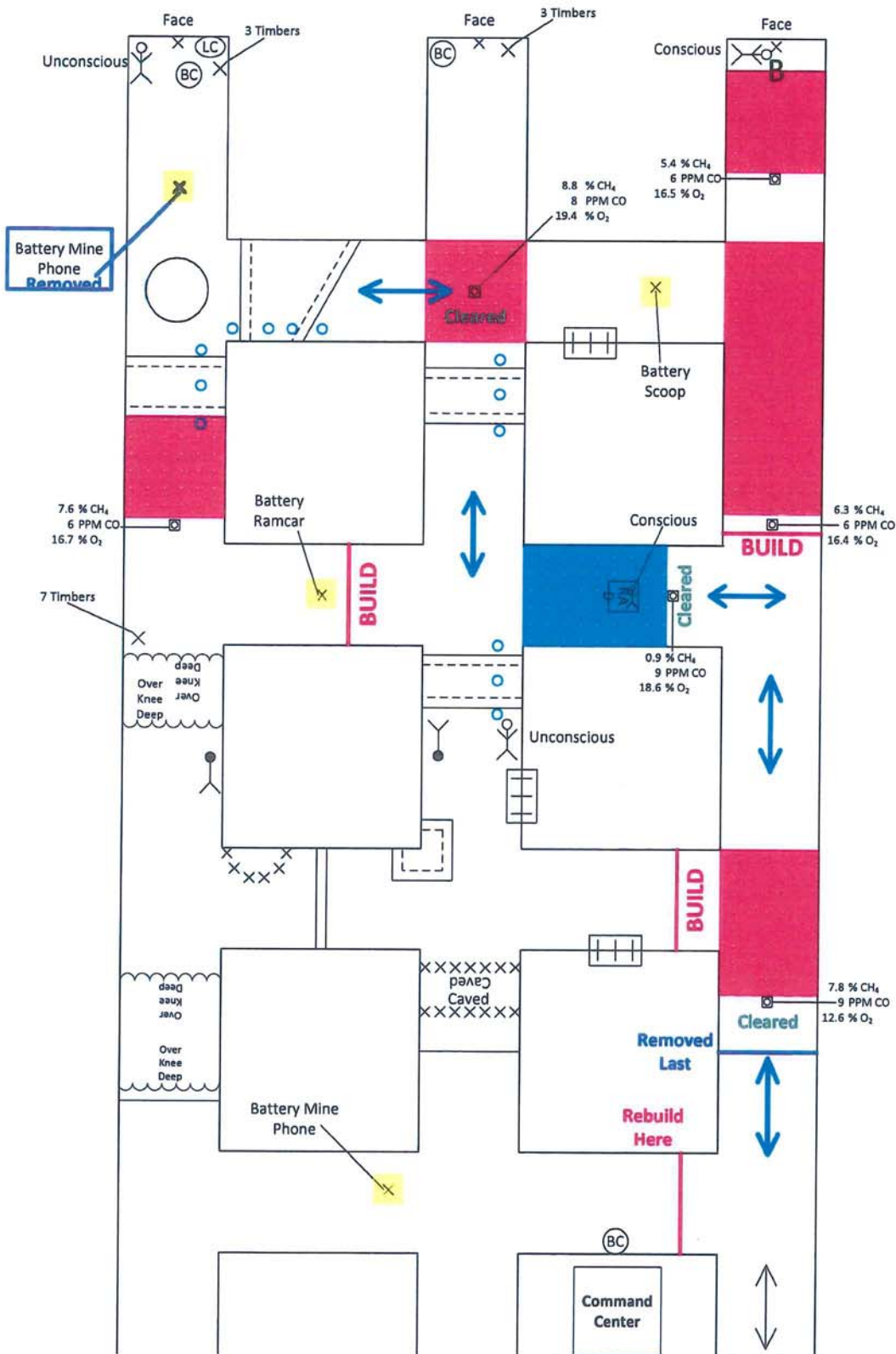


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1ST Vent Map

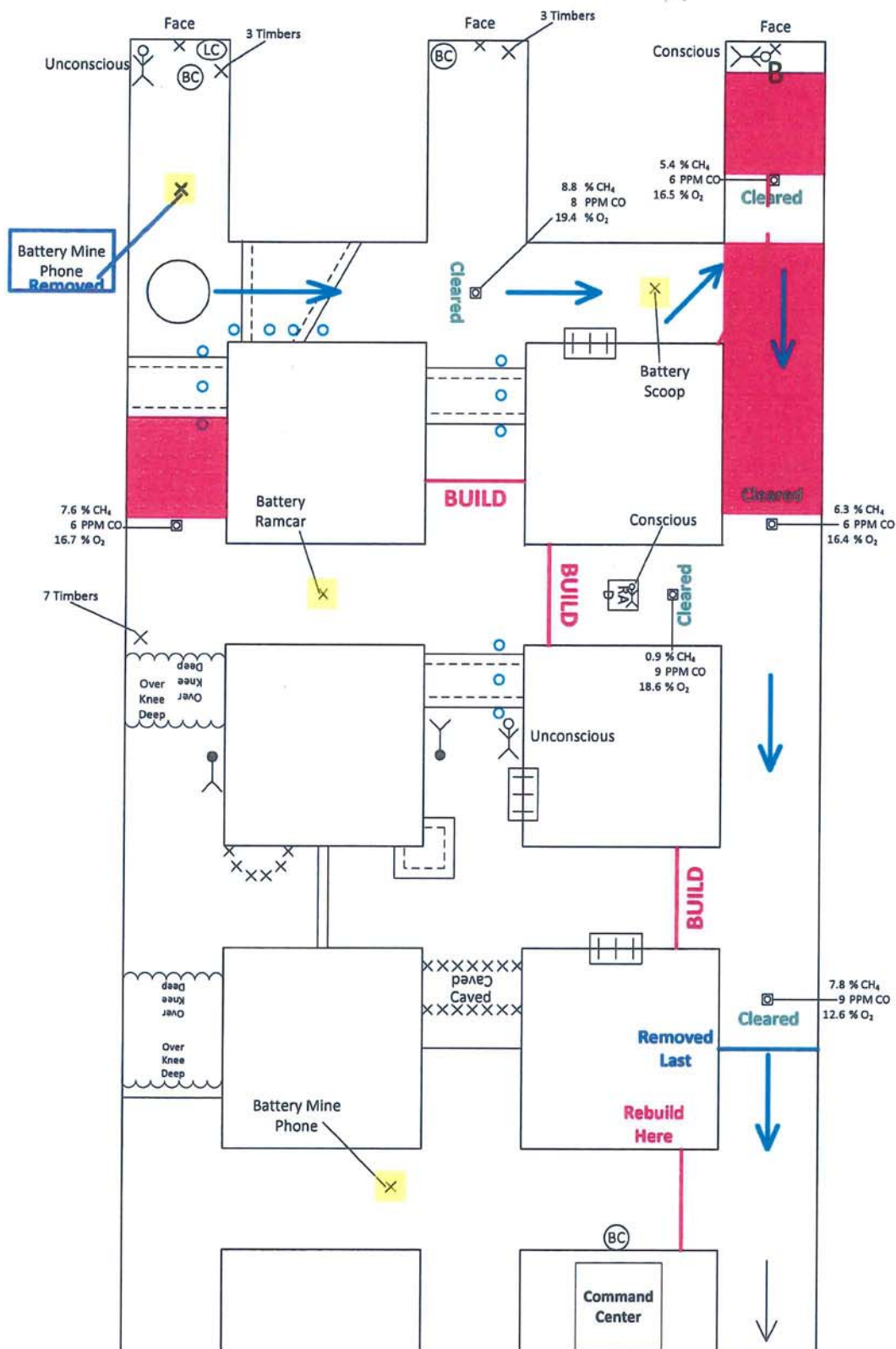
Team Working Order # _____

2016 INDIANA STATE MINE RESCUE CONTEST



2ND Vent Map

Team Working Order # _____

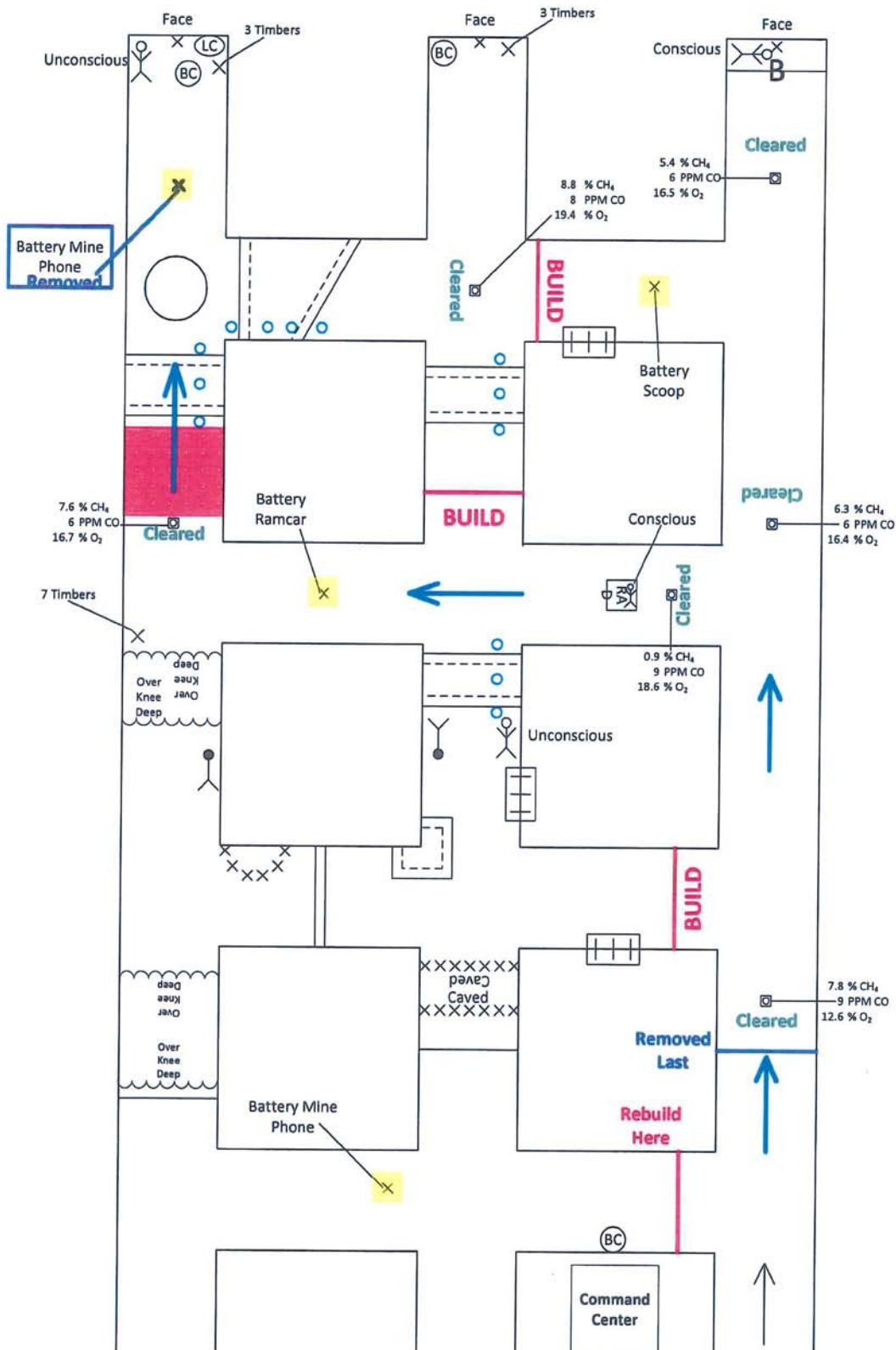


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FAN STATUS
 BLOWING ☐
 EXHAUSTING ☒

3RD Vent Map

Team Working Order # _____

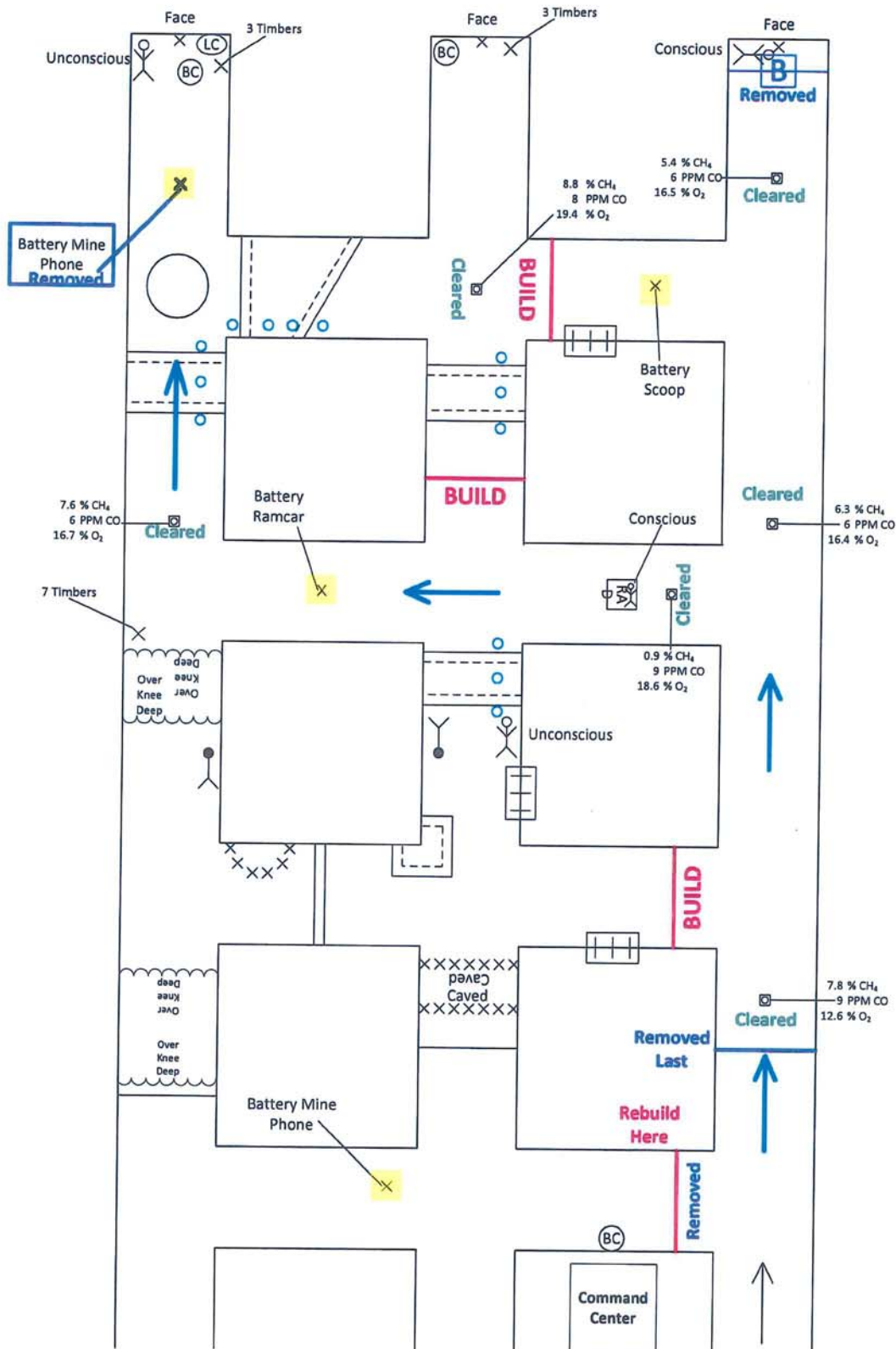


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FAN STATUS
 BLOWING ☒
 EXHAUSTING ☐

Final Vent Map

Team Working Order # _____



2016 INDIANA STATE MINE RESCUE CONTEST

FAN STATUS

BLOWING ☒
EXHAUSTING ☐

CERTIFICATION

TEAM CAPTAIN _____
FIELD JUDGE _____

INDIANA 2016 CONTEST

**Patient Statement in
Barricade #3 Face**

To be read when team breaks plane
of inby rib line

**“HELP HELP GET ME OUT!
IT’S GETTING HARD TO
BREATHE!”**

INDIANA 2016 CONTEST

**Patient Statement in
Refuge Alternative**

To be read after team checks RA for
response

“HELP HELP GET ME OUT!”