

## Delta Colorado 2018 Judges Instructions

1. Initial openings' checks at FAB. (2 & 3 entries blocked by unsafe roof).
2. Team stop 1 - (apparatus check required) In 1 entry at XC 1. (explosive gas found in intersection, roofed water found inby intersection with pump available)
3. Team stop 2 – at 2 entry XC 1. (airlock required in XC 1, 1-2 E). (smoke found in 2 E)
4. Team stop 3 – in 3 entry at XC 1 (diag. RR test required in intersection)
5. Team stop 4,5 – in 3 entry at XC 2. Smoke in XC 2 found, unsafe roof inby XC 2 in 3 E found.
5. ALT Team stop 5,4 – in 2 entry at XC 2. roof bolter on fire found – can be extinguished. RR test required prior to extinguishing AND anytime team passes through this intersection (Rule 23). Materials available to airlock into team stop 9 but not required yet.
6. Team stop 6 – in 2 entry at XC 3. extent of smoke known.
7. Team stop 7 – in 3 entry at XC 3. required as gas placard in xc 3 2-3E. Explosive gas found in XC 3 between 2-3E. Airtight cave found inby intersection.
8. Team stop 8 – in 1 entry at XC 3. Barricade found outby intersection with irrespirable mixture in front of it. Response is “Help Us”. Teams are tied to this missing person (verbal contact) but do not have enough information to vent.

If team has not made team stop 9, it is required prior to advancing inby XC 3.

9. Team stop 9 – in XC 2 1-2 E. air lock required. Water roofed found.

10. Team Stop 10 – in 1 entry at XC 4. Body found at face in 1 E.

11. Team Stop 11 – in 2 entry at XC 4. Body found at face in 2 E.

Teams now have enough information to vent barricade in 1 entry. Any further exploration is delay of missing person in barricade in 1 entry.

Vent 1

Pump water in 1 E

Team stop 12. In 1 entry at XC 2

Vent 2

Vent 3

Airlock required to enter barricade in 1 entry. 1 missing person found and 1 Body.

- teams can remove Pt. in 1 entry barricade to FAB however if retreating out 2 entry, must place respiratory protection on Pt. due to irrespirable smoke remaining between XC 1 and XC 2.

Team can now explore XC 4 from 2 to 3 entry.

Team stop 13. In 3 entry at XC 4. Barricade with no response found outby intersection.

Teams can breach barricade in 3 E with airlock and bring LUM to FAB on stretcher and with respiratory protection.

End of Problem

## 2018 Delta, Colorado

### Written Statement

Thank you for responding to our mine emergency.

Last night, 5 miners were working in the 2 left section of the mine. We have had no contact with them. Your team will be located in the FAB set up at the mouth of 2 left. The entries are numbered from left to right, 1, 2 and 3.

A command center has been set up outby the fresh air base.

All power inby the fresh air base is locked out. Any electrical power needed inby the fresh air base will be handled by switches in the command center.

The exhausting mine fan on the surface is running, is guarded and cannot be reversed.

The mine uses battery powered haulage equipment.

All officials and backup teams are present.

The mine map is up to date.

## Delta, Colorado 2018

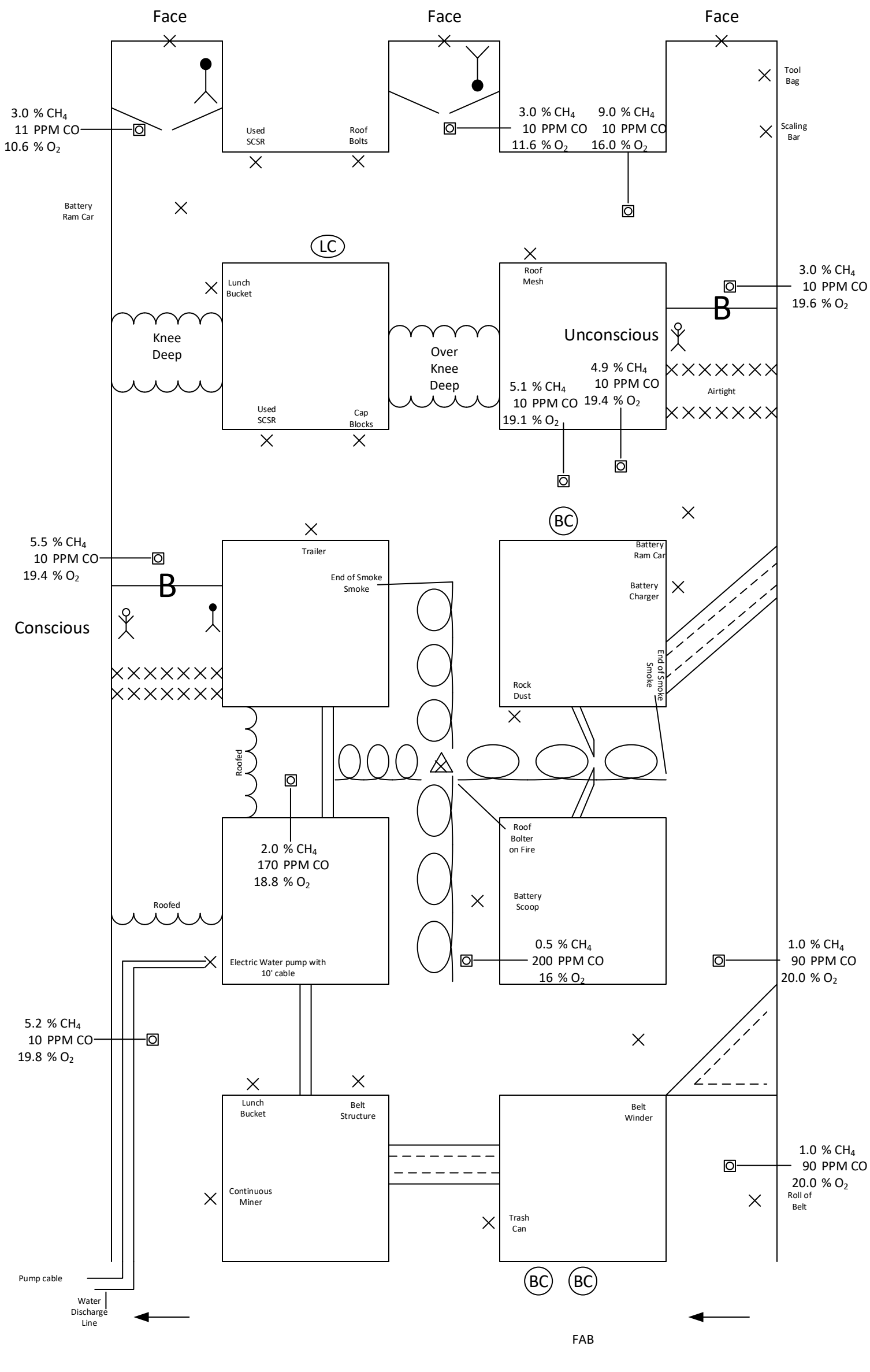
### Written Problem

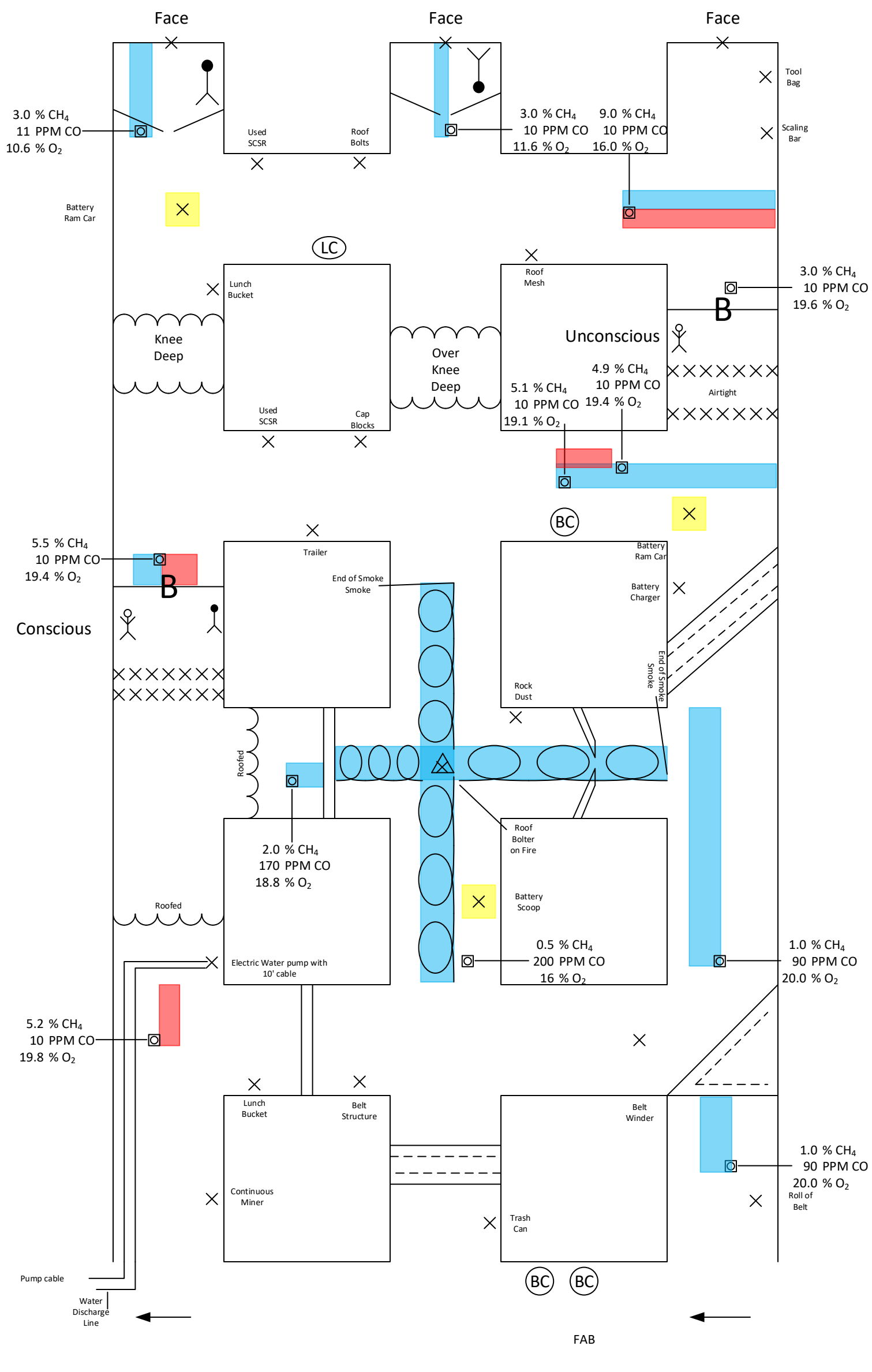
Explore the entire mine if it can be done safely.

Account for the 5 missing miners.

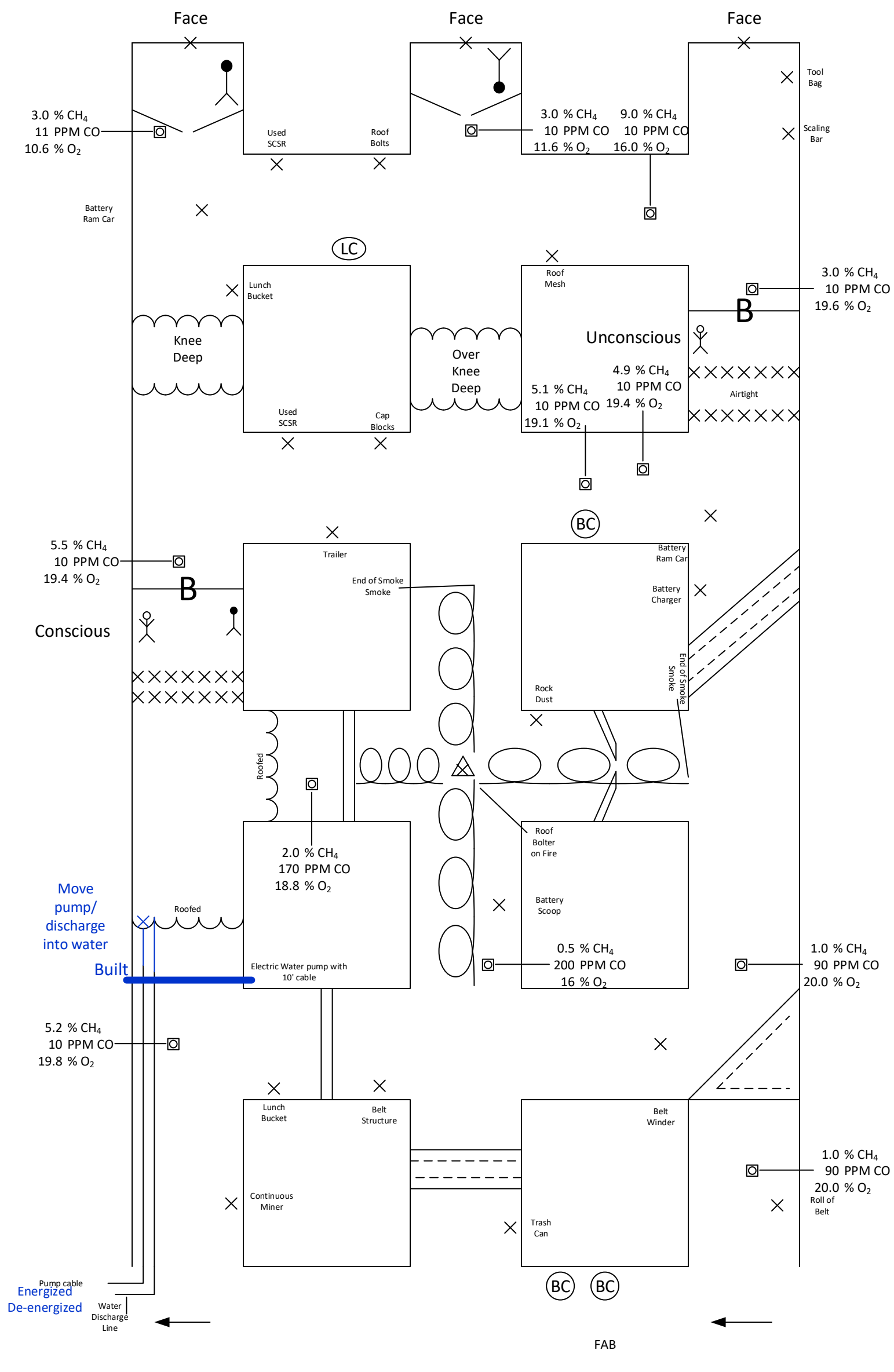
Bring any live miners to the FAB

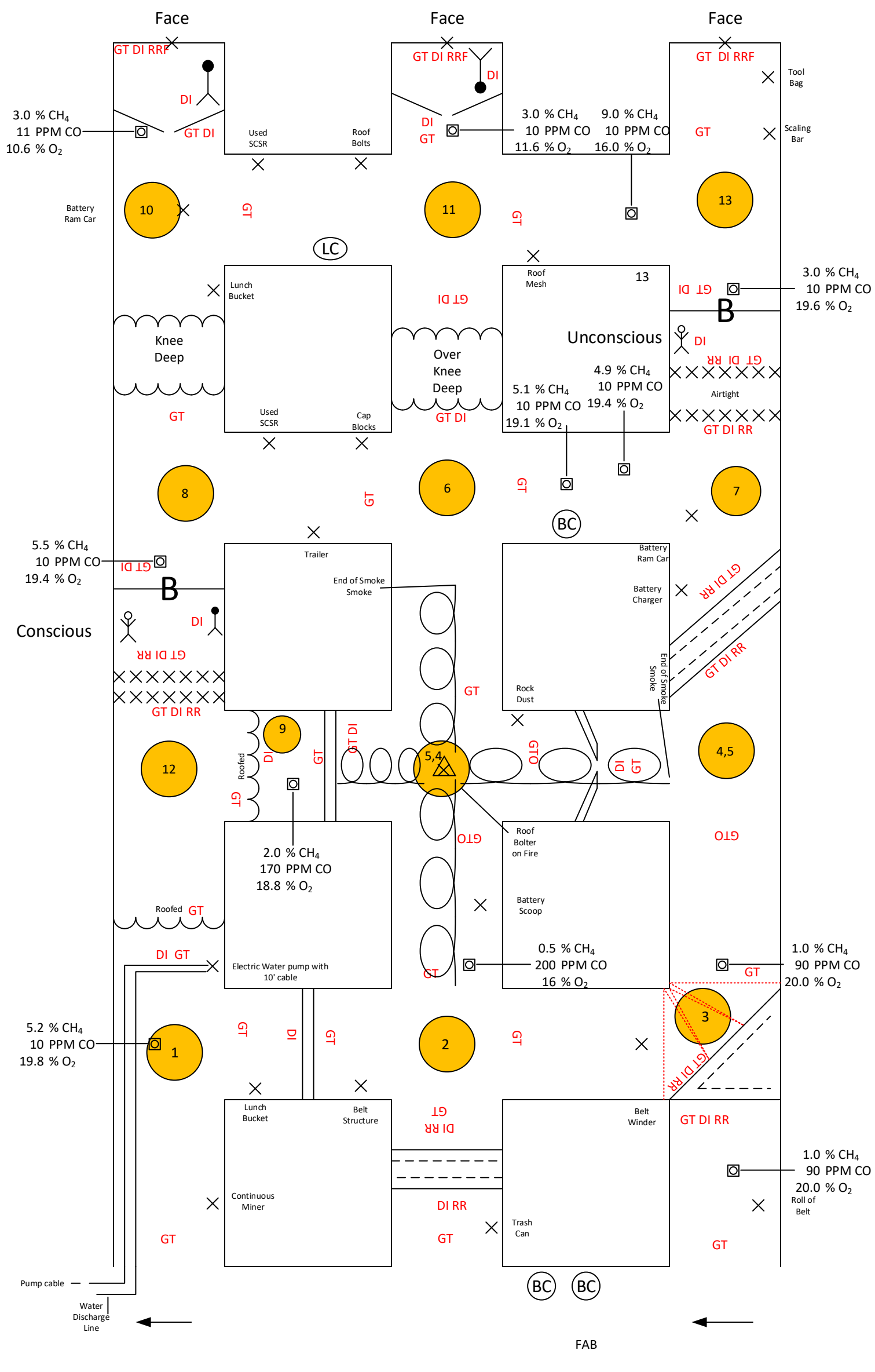
Your team is not allowed to move any battery powered equipment or associated batteries.



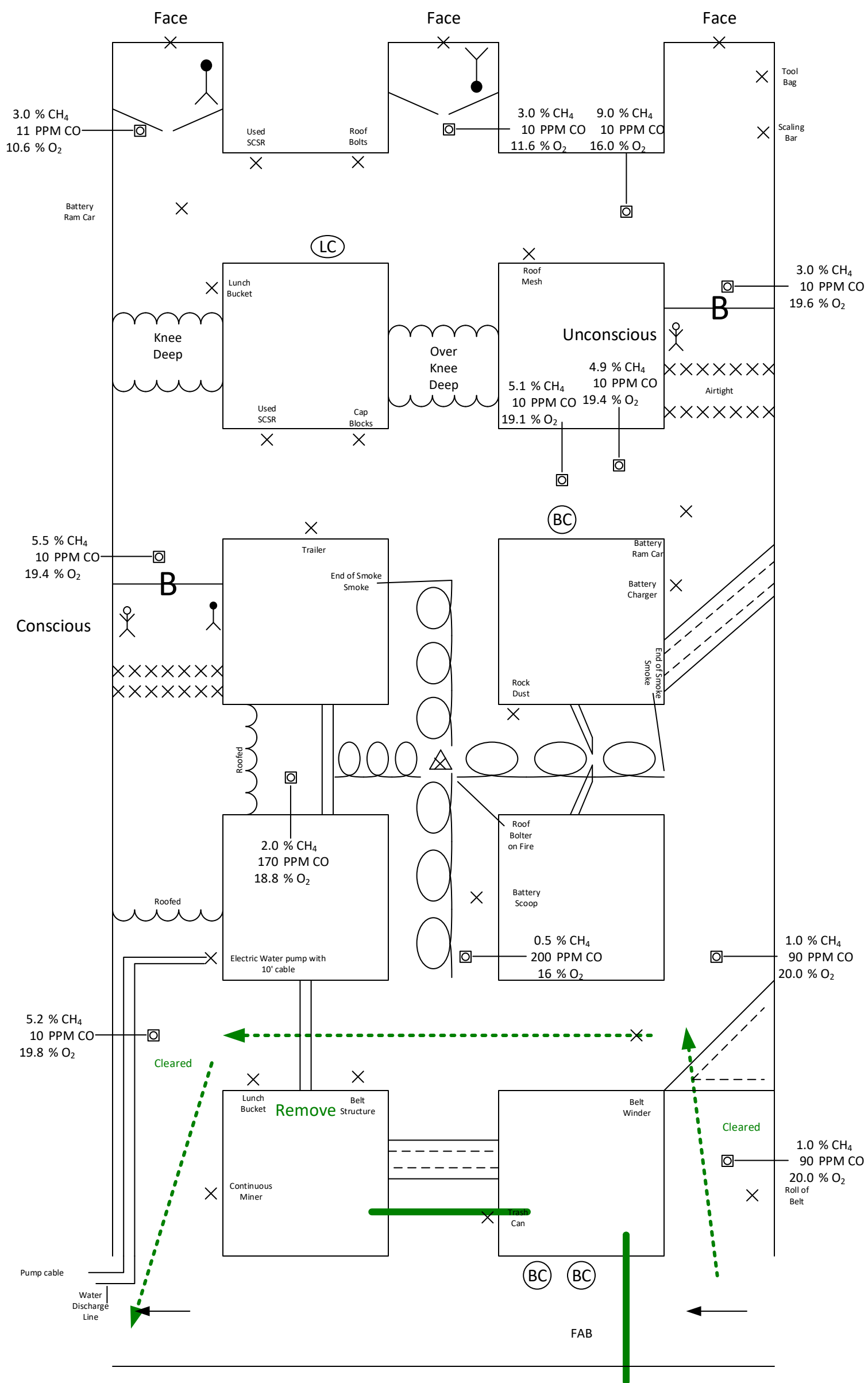


# PUMP



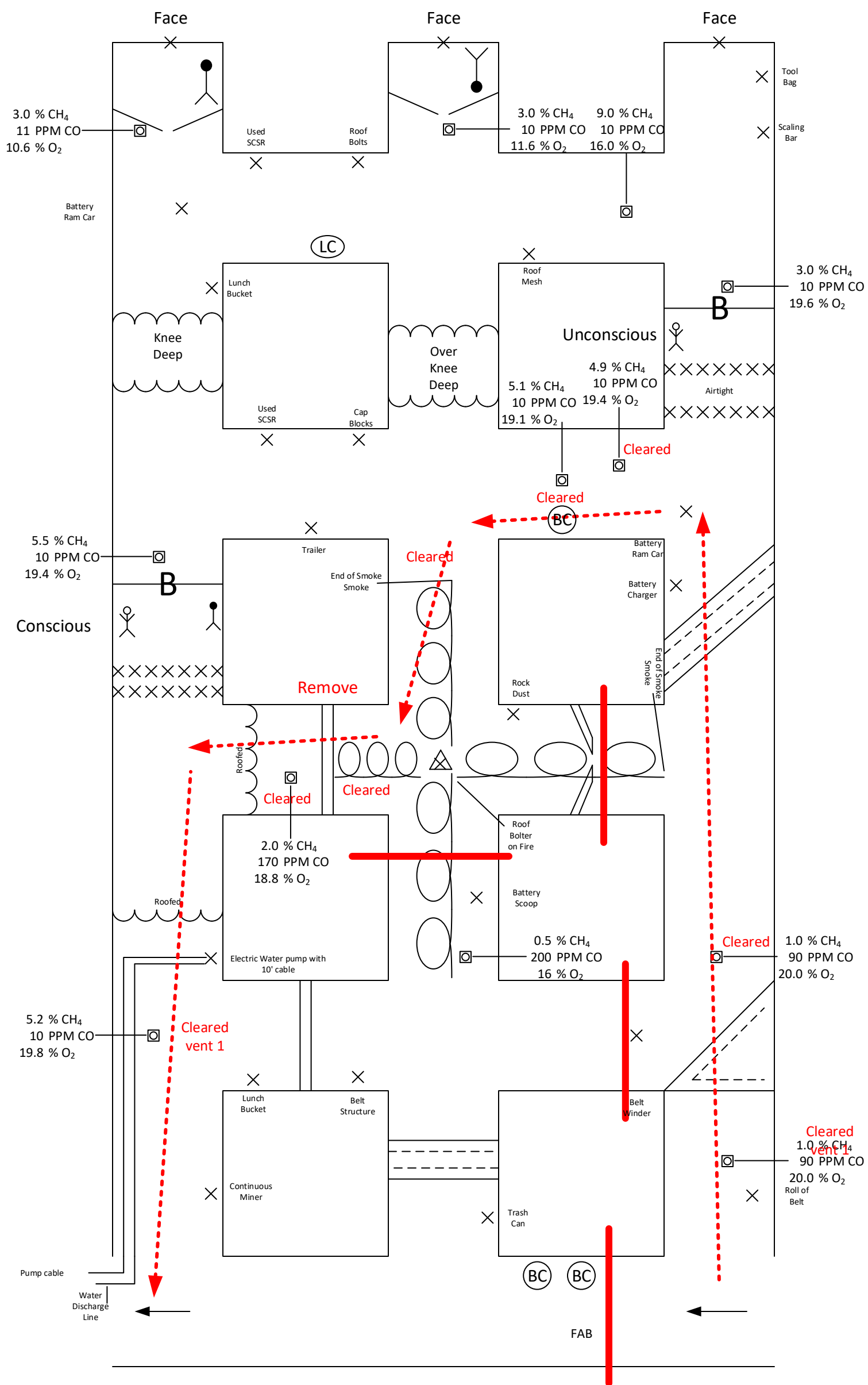


VENT 1

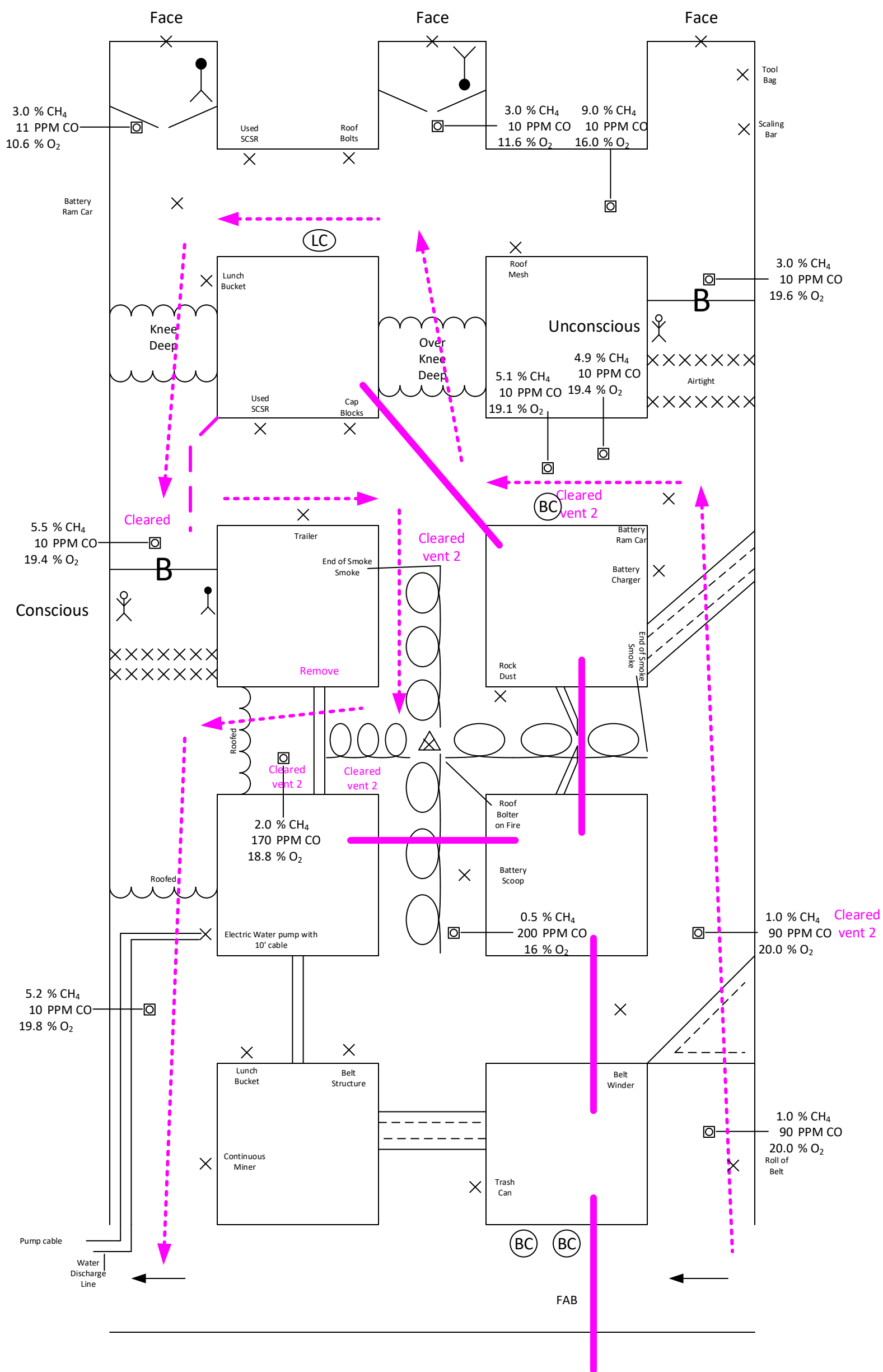




**VENT 2**



VENT 3



Final Vent  
Team Name

Captain  
Signature

Chief Judge  
Name: Print

