

# **ACA Preshift Contest**

**May 17, 2018**

**Judges Book**



# **ACA Preshift Contest May 17, 2018**

## **Contestant Statement**

We are in the process of reopening an old abandoned mine. There have been seals built halfway of the old works. Samples were taken from the sealed areas last Wednesday. The sealed area is the lowest elevation and water accumulates very quickly. A permanent pump was set at the seal in #3 entry. The pump needs to run continuously. We are currently installing a deepwell pump to manage the water.

You are to Preshift the section for the oncoming shift. You will enter the mine on the intake side of a split shaft. The coal skip is also used as an elevator.

A copy of the roof control plan and ventilation plan are attached. You have ten minutes to review the plans and make any notes. The plans and your notes will be returned to you when you arrive on the section. You will have two minutes to arrange your equipment and start the clock.

When you have finished the problem and stopped the clock you will be escorted to an area where you will fill out your preshift report.

## **Roof Control Plan**

All pillars will be 200' x 200'

Entries will be no wider than 20'

All bolts will be 5' resin pins spaced on 5' centers

Any unbolted areas will be marked with a pink ribbon

Any wide corners will be timbered or cribbed

## **Ventilation Plan**

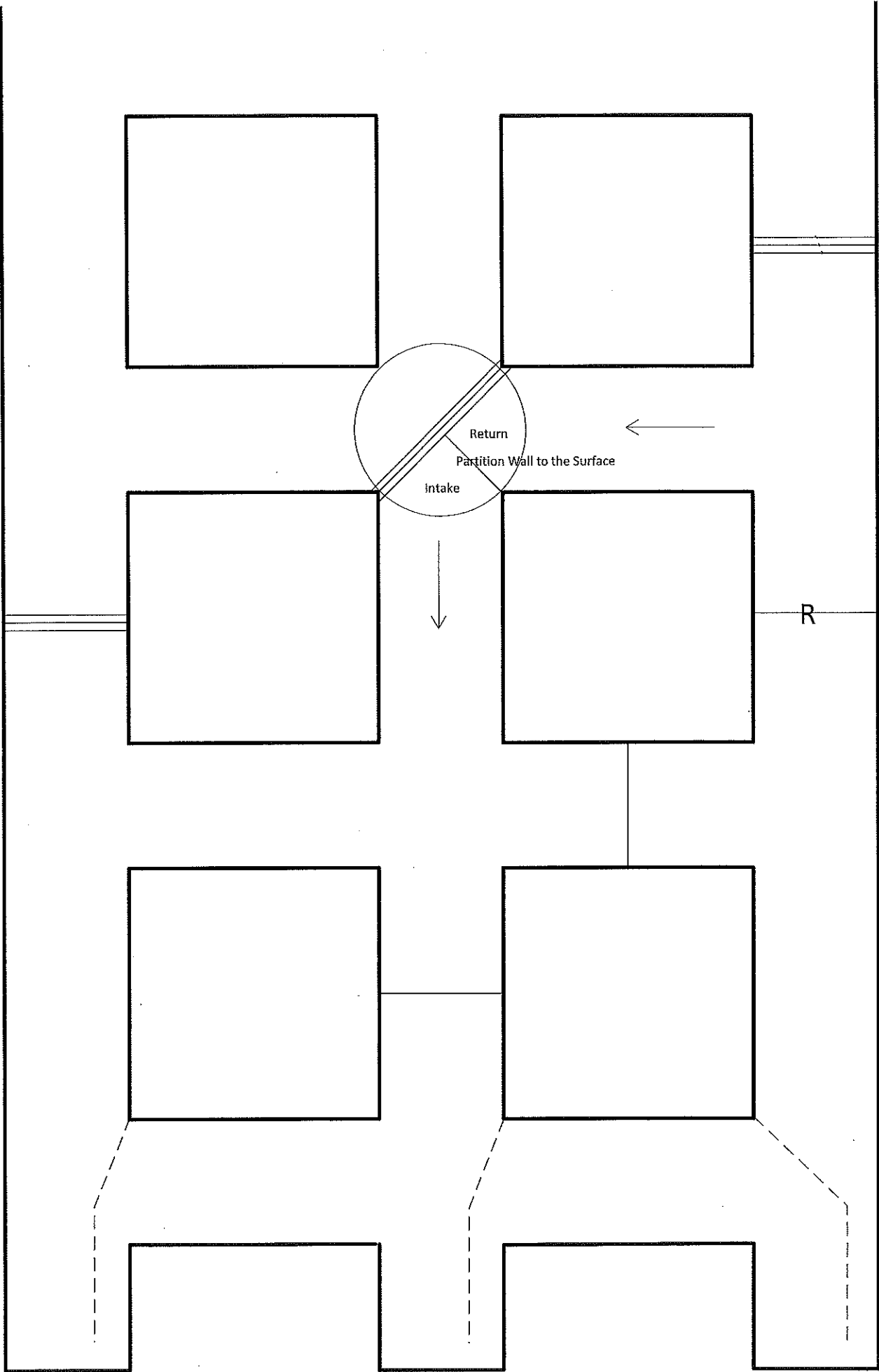
Air intakes in the #2 entry (middle entry). All the air will be routed across the faces and out the return. The #1 entry is the return (see vent map attached).

Face ventilation will be exhausting.

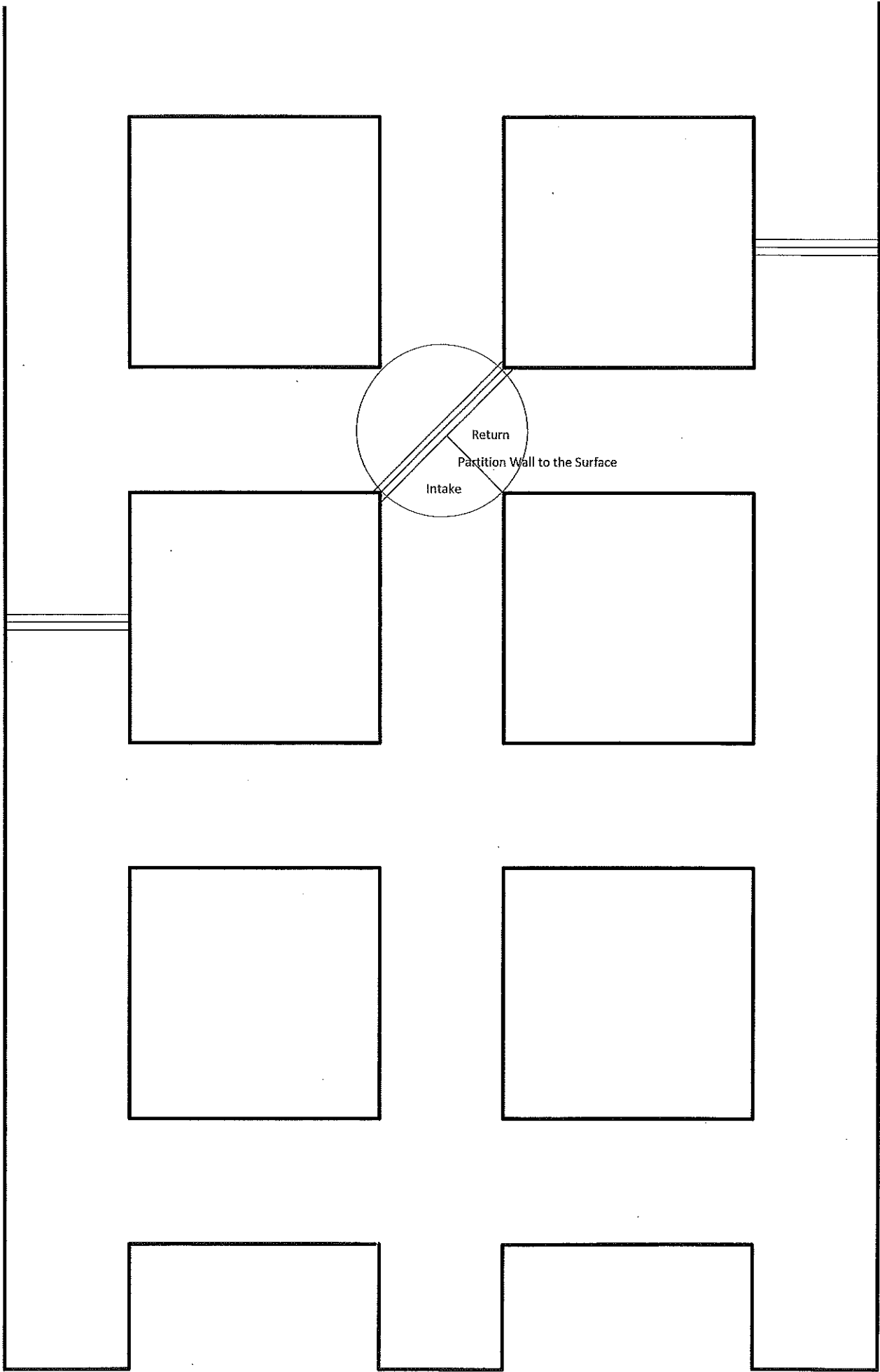
The sealed areas must be examined for gas content every seven days.

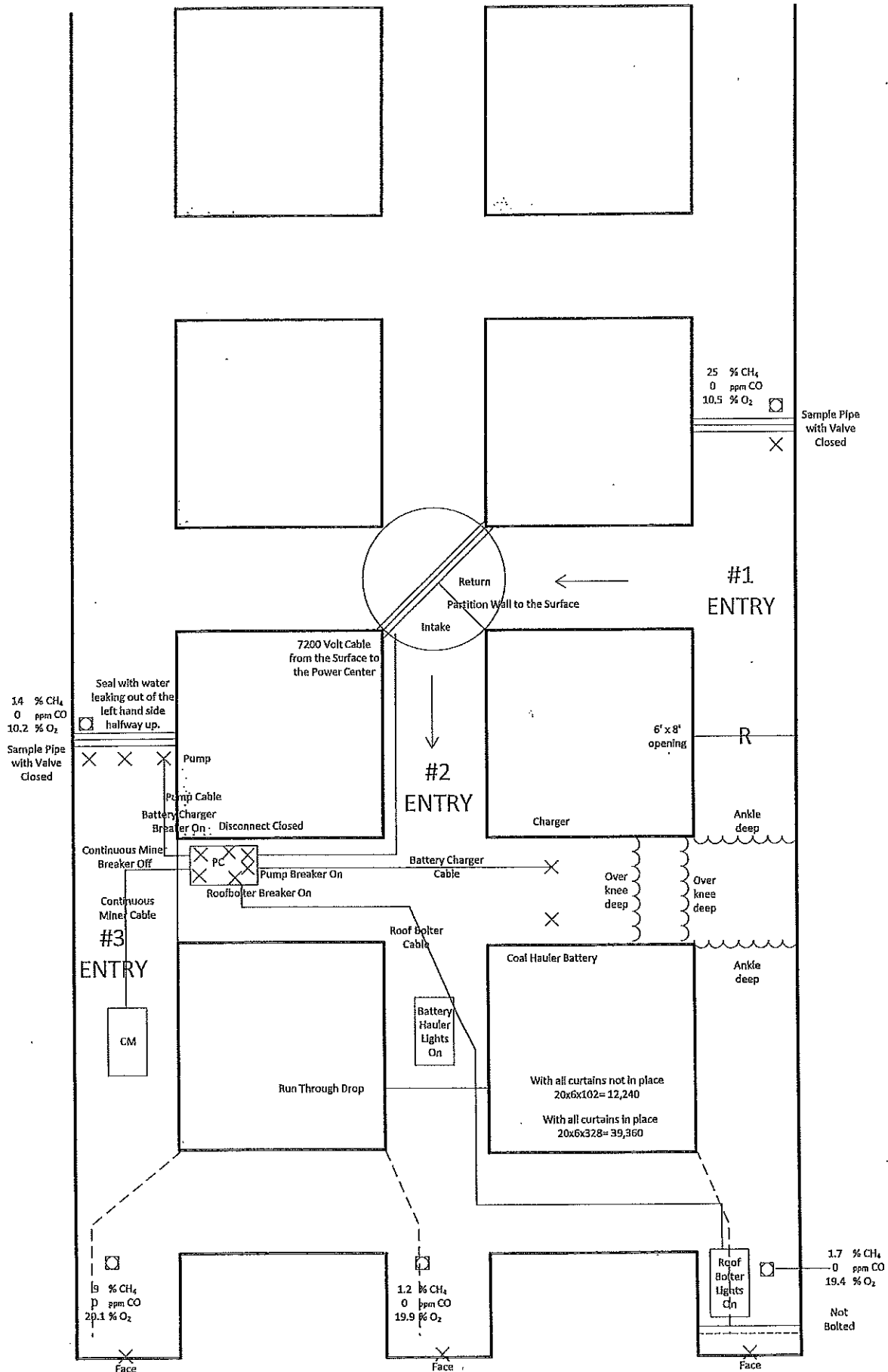
Must maintain at least 36,000 CFM in the last open crosscut.

Stoppings and regulators will be built out of Kennedy Brattice Material.



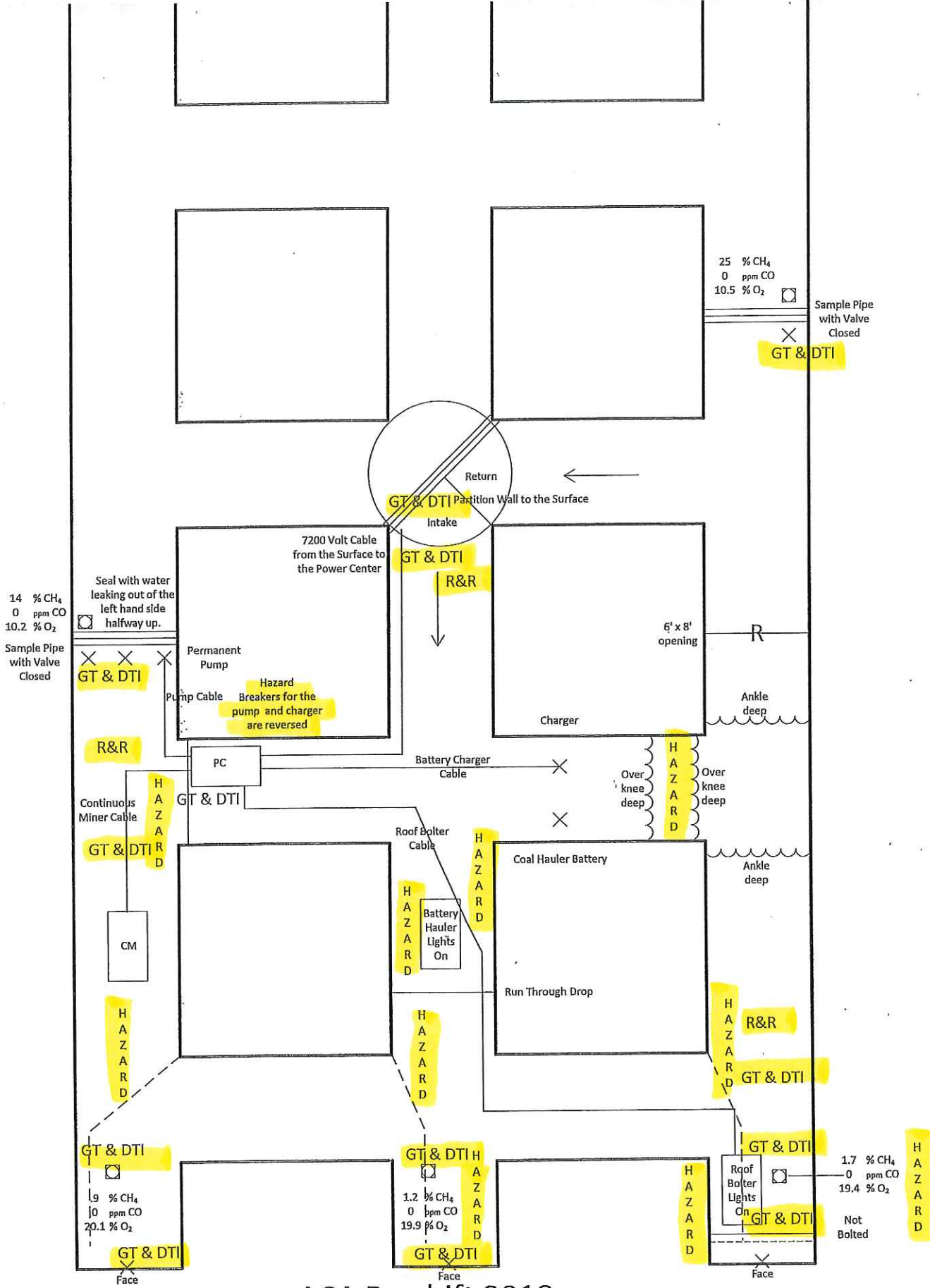
ACA Preshift 2018





ACA Preshift 2018





ACA Preshift 2018

# Preshift Hazard Sheet

## **#1 entry**

Line curtain blowing. (Move to the other side)

High CH<sub>4</sub> and low O<sub>2</sub> to the face. (Correct ventilation and retest afterward)

No pink ribbons at the not bolted area (place ribbons at the placard)

## **Between #1 and #2.**

Water over knee deep (Danger)

## **#2 entry**

Battery hauler left energized. (flip placard over to deenergize)

Battery hauler sitting on roofbolter cable. (Danger)

The line curtain is installed blowing. (Move to the other side)

High CH<sub>4</sub> to the face. (Correct ventilation and retest afterward)

### **Between 2 & 3 entry**

Roofbolter left energized. (flip placard over)

Charger and pump left energized (flip placard over)

Pump and charger breaker labeled backwards (swap)

Check curtain installed at the Power Center is in the wrong location. (Move to between 1&2)

### **#3 entry**

The line curtain is installed blowing. (move to the other side)