




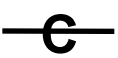
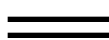







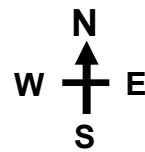
Tankabel Mining Co., Inc.
I.D. No. 30-02013
Rochester, NY

Map Legend:

	Belt Drive
	Feeder Breaker
	Power Center
	Conveyor Crossover
	Conveyor Belt
	Check Curtain
	Permanent Stopping
	Door
	Ventilation Fan
	Auxiliary Fan
	Airflow & Direction
	Mine Phone

Updated July 12, 2013
Approx. Scale 1 in . = 10 ft.

Team Map



Drift 1

Drift 2

Drift 3

Drift 4

CX 4

CX 3

CX 2

CX 1

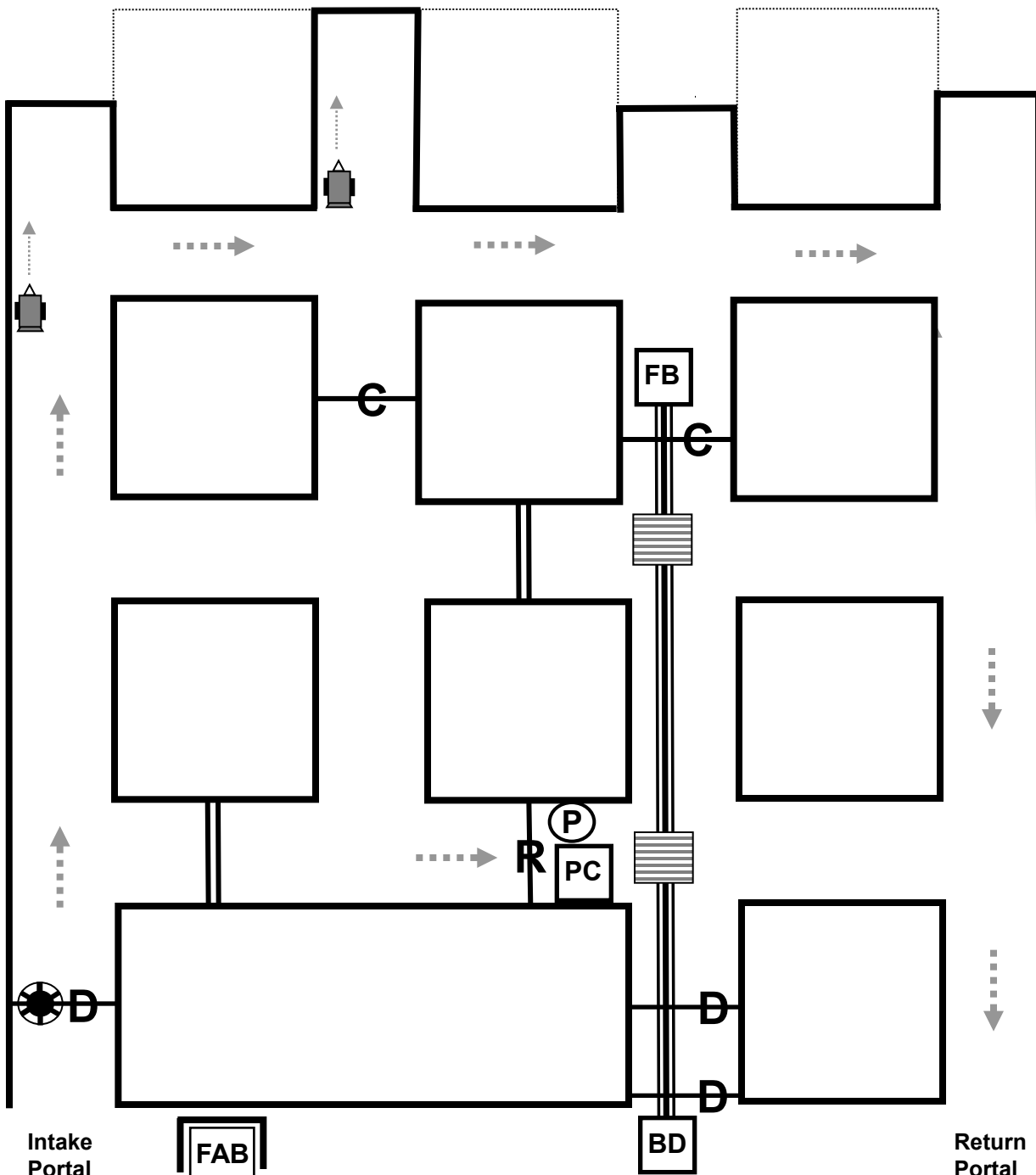
Main Fan

Intake Portal

FAB

BD

Return Portal



Judge No. 2 _____

Drift 1

Drift 2

Drift 3

Drift 4

CX 4

Face

CX 3

Gas Box

CX 2

(2 sets)

CX 1

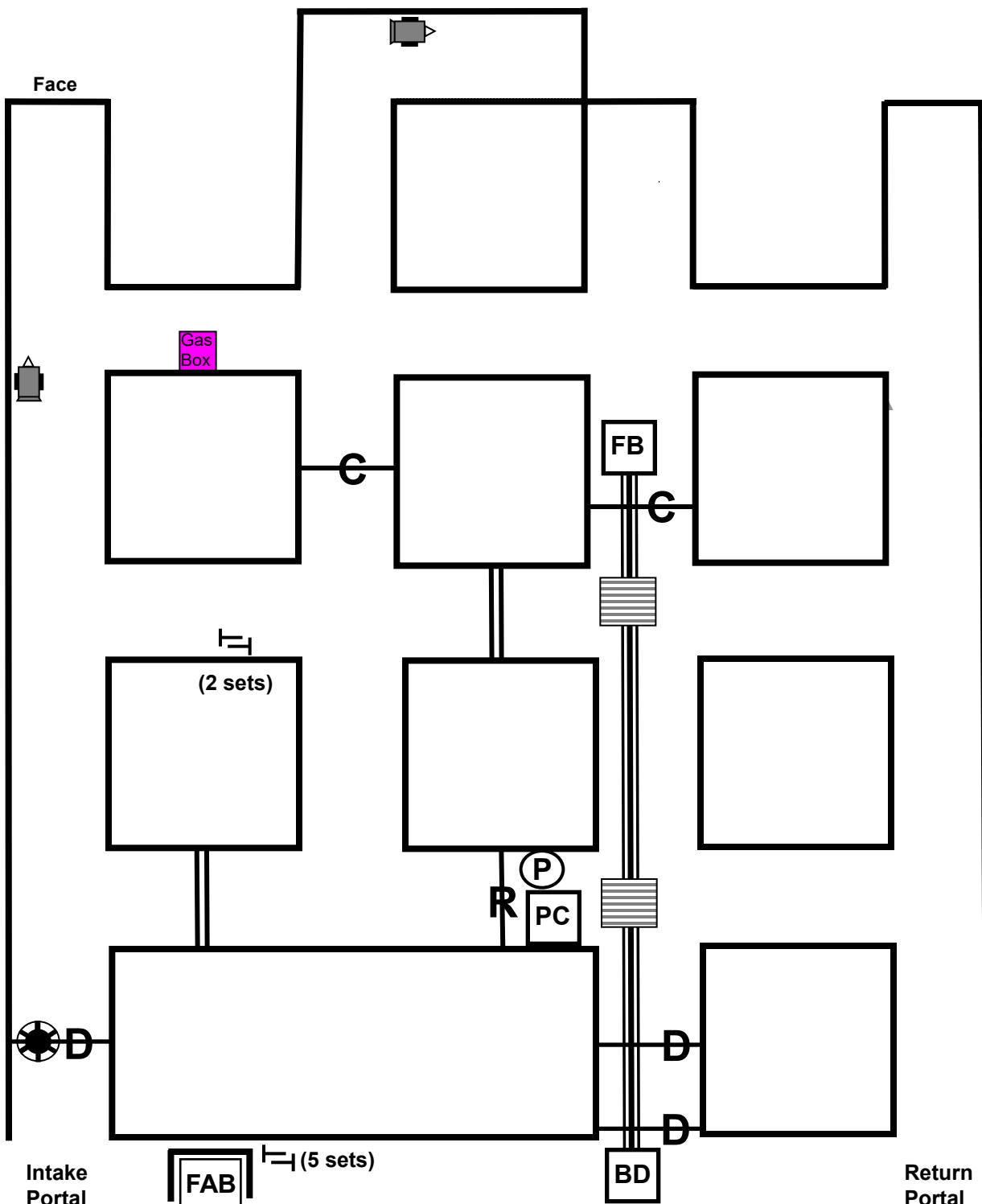
Main Fan

Intake Portal

FAB (5 sets)

BD

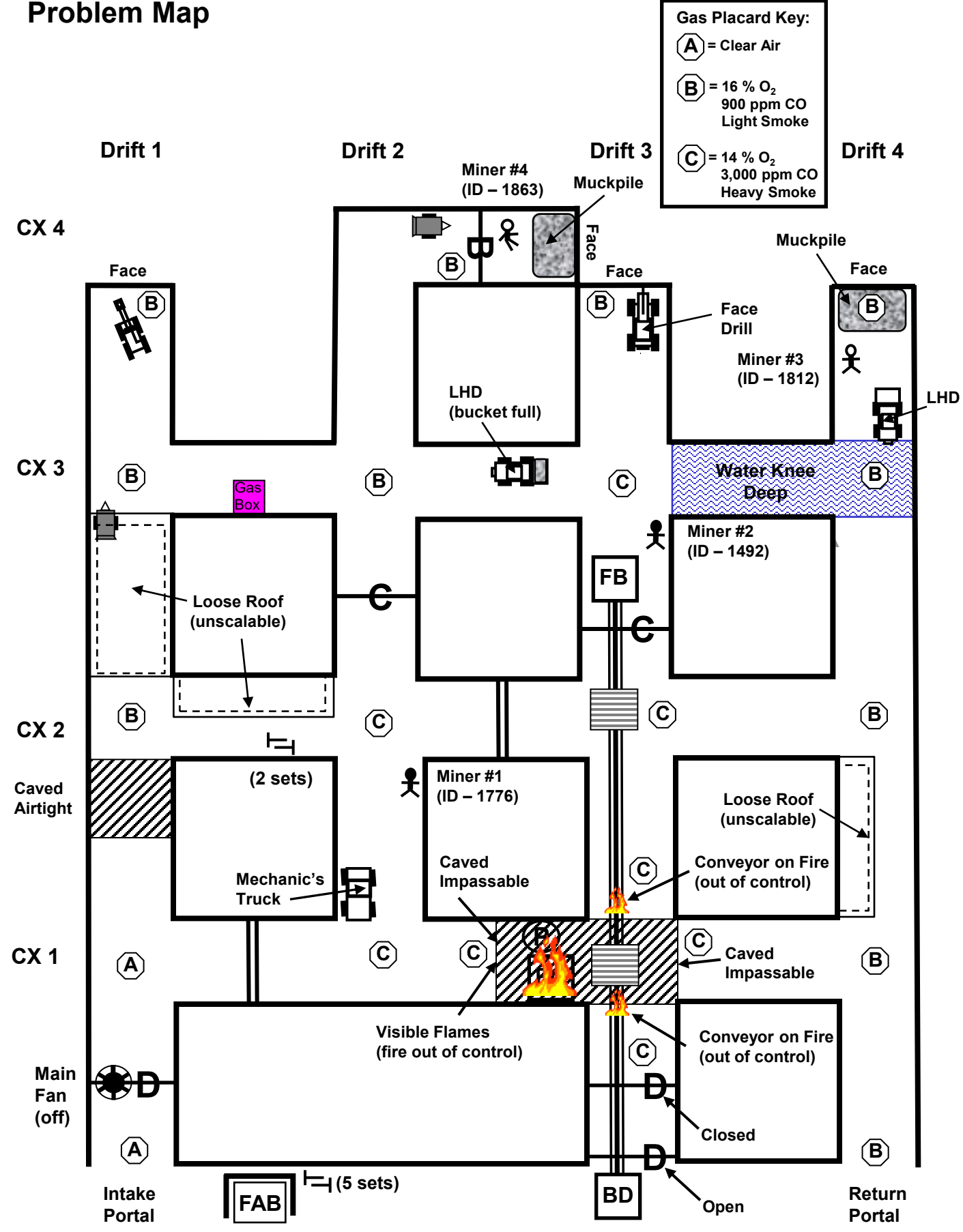
Return Portal



Problem Map

Gas Placard Key:

- (A)** = Clear Air
- (B)** = 16 % O₂
900 ppm CO
Light Smoke
- (C)** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 1

Gas Placard Key:

- (A)** = Clear Air
- (B)** = 16 % O₂
900 ppm CO
Light Smoke
- (C)** = 14 % O₂
3,000 ppm CO
Heavy Smoke

Drift 1

Drift 2

Drift 3

Drift 4

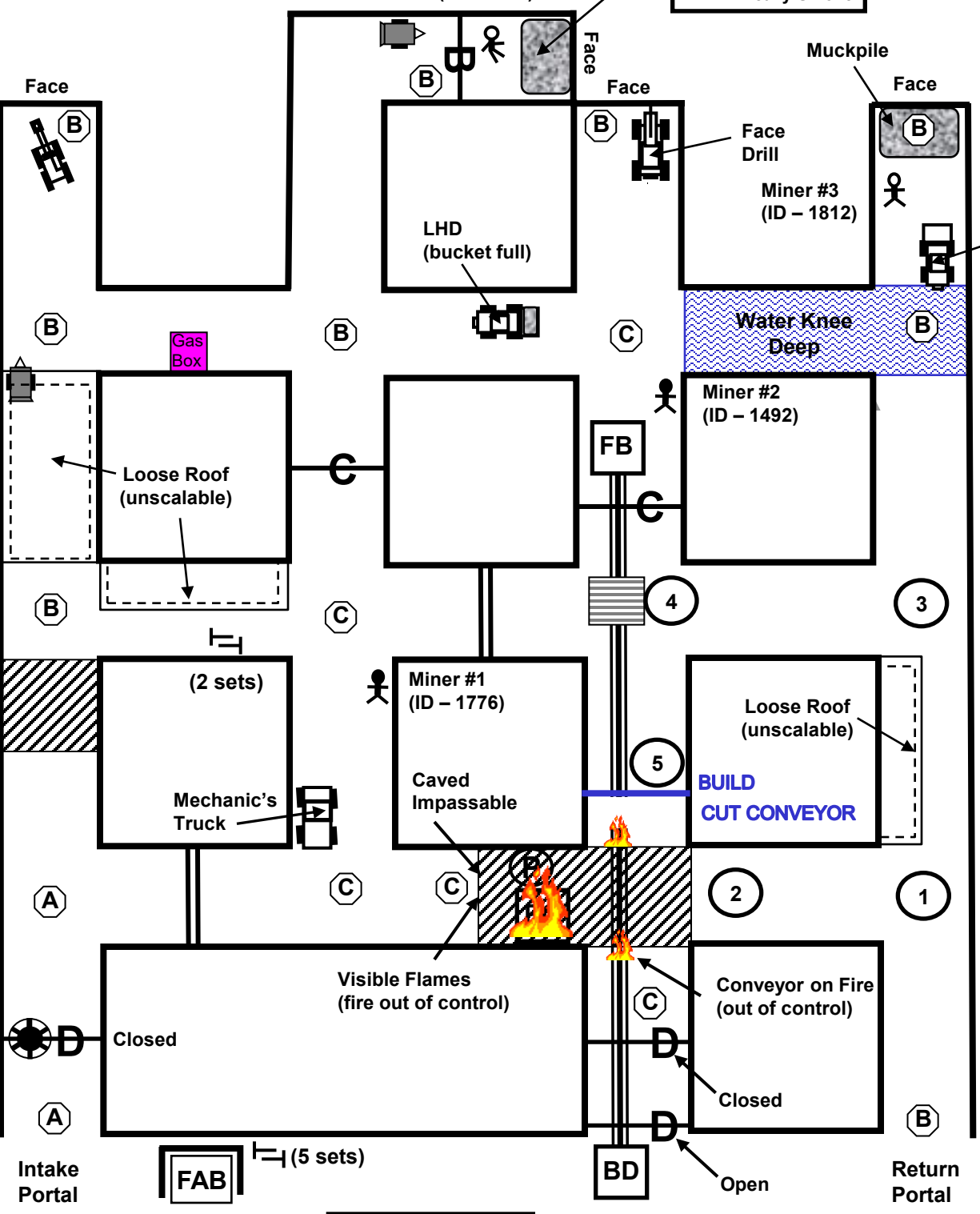
CX 4

CX 3

CX 2

CX 1

Main Fan (off)



Intake Portal

FAB (5 sets)

BD

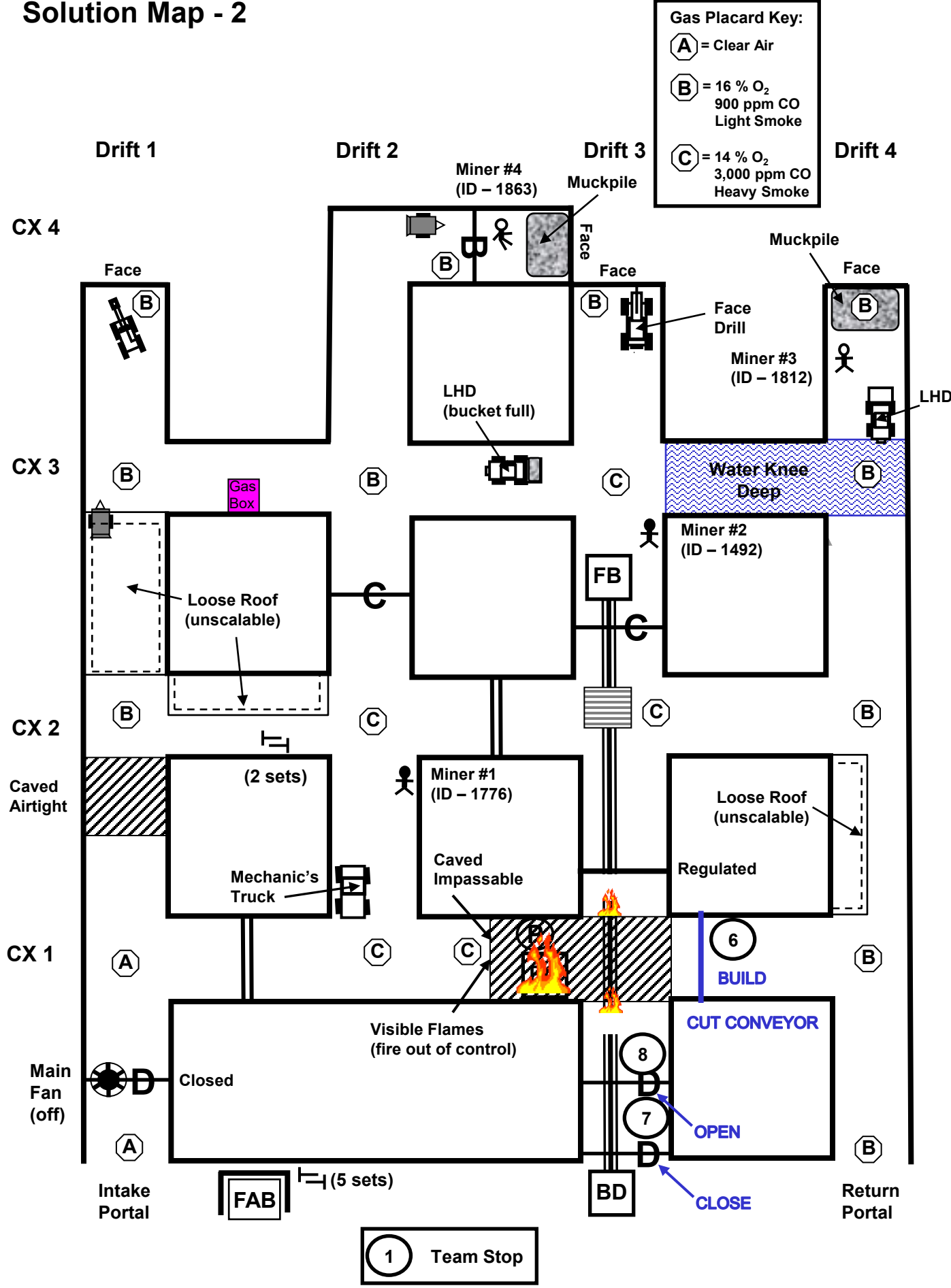
Return Portal

1 Team Stop

Solution Map - 2

Gas Placard Key:

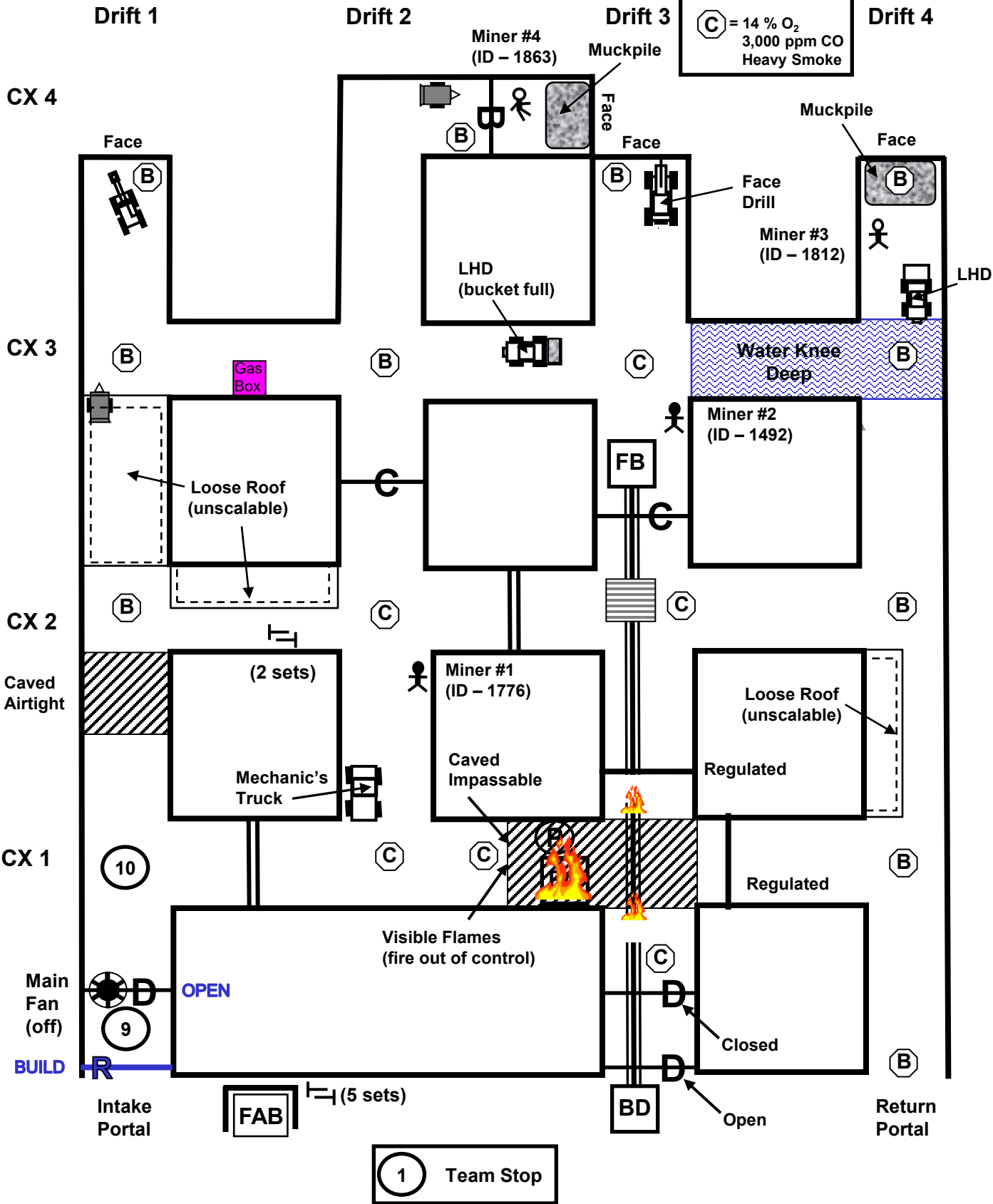
- (A)** = Clear Air
- (B)** = 16 % O₂
900 ppm CO
Light Smoke
- (C)** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 3

Gas Placard Key:

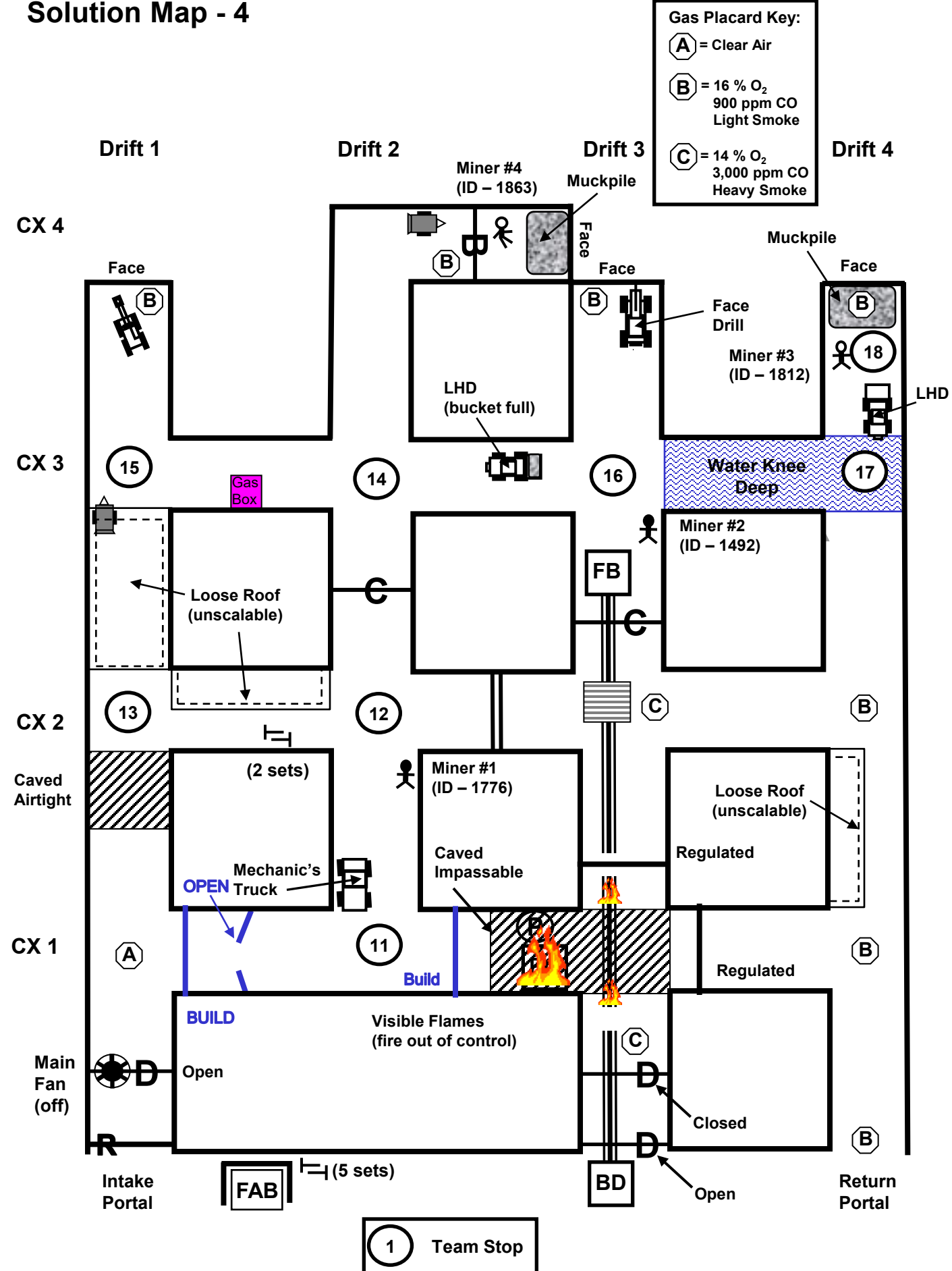
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 4

Gas Placard Key:

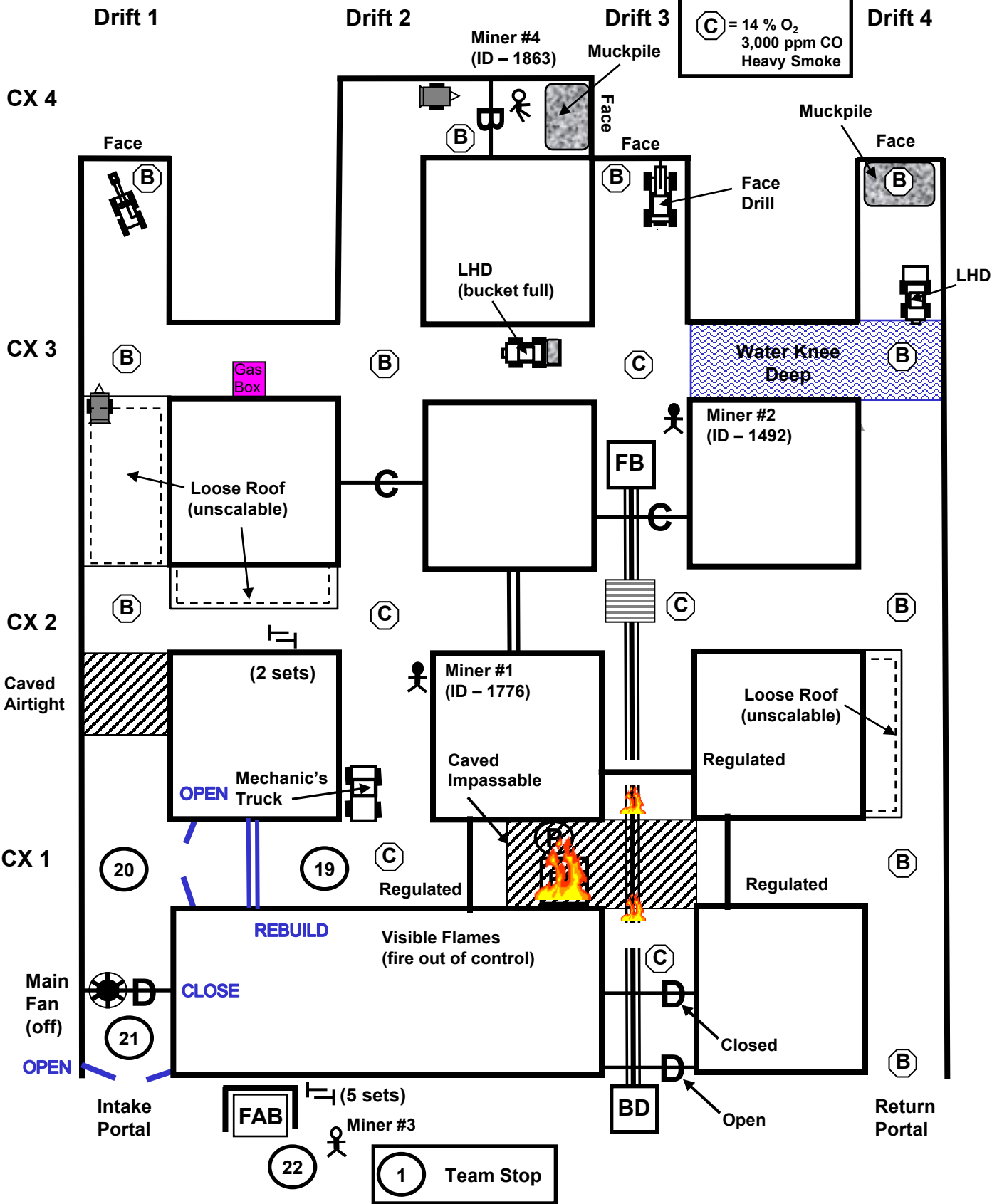
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 5

Gas Placard Key:

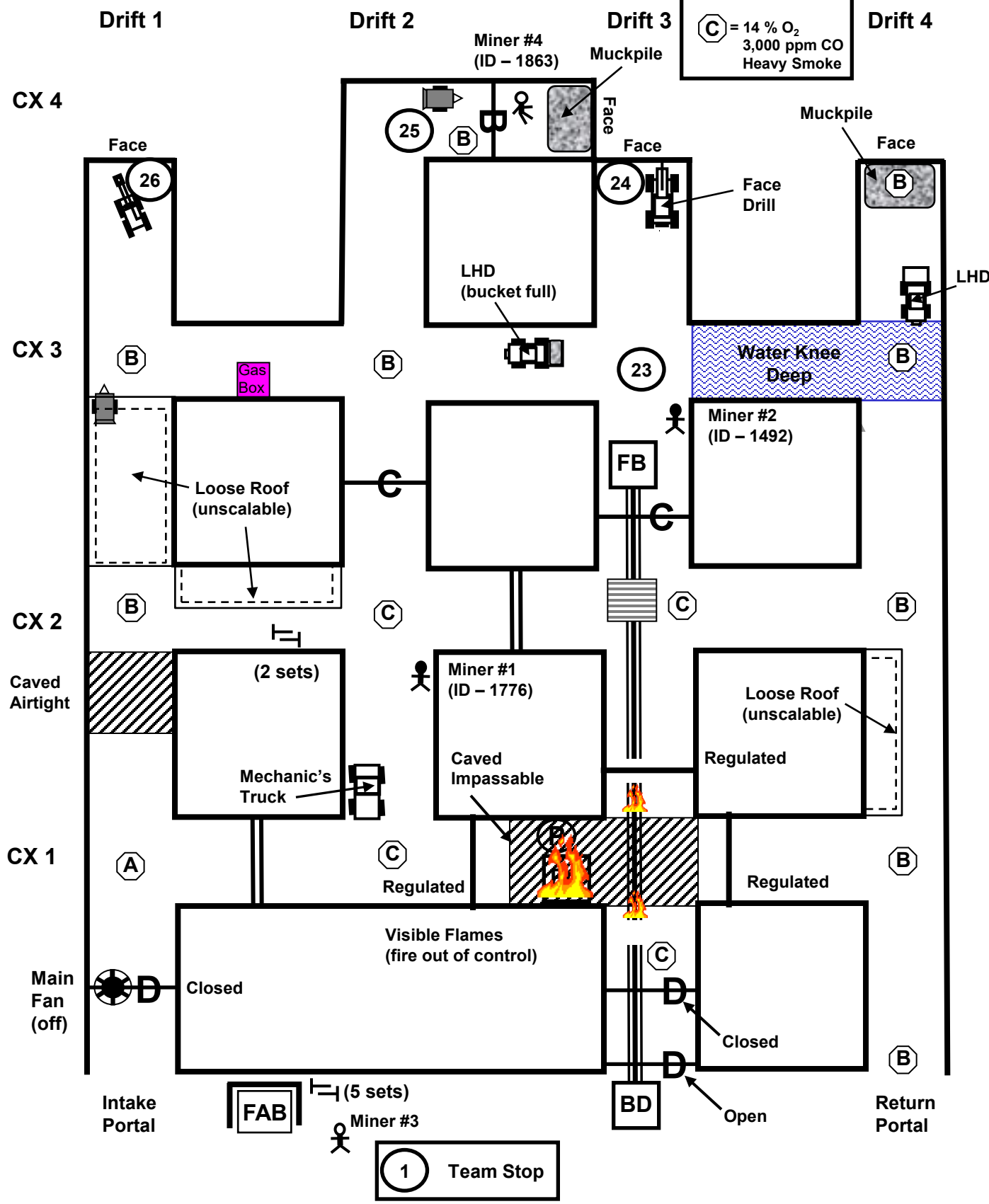
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 6

Gas Placard Key:

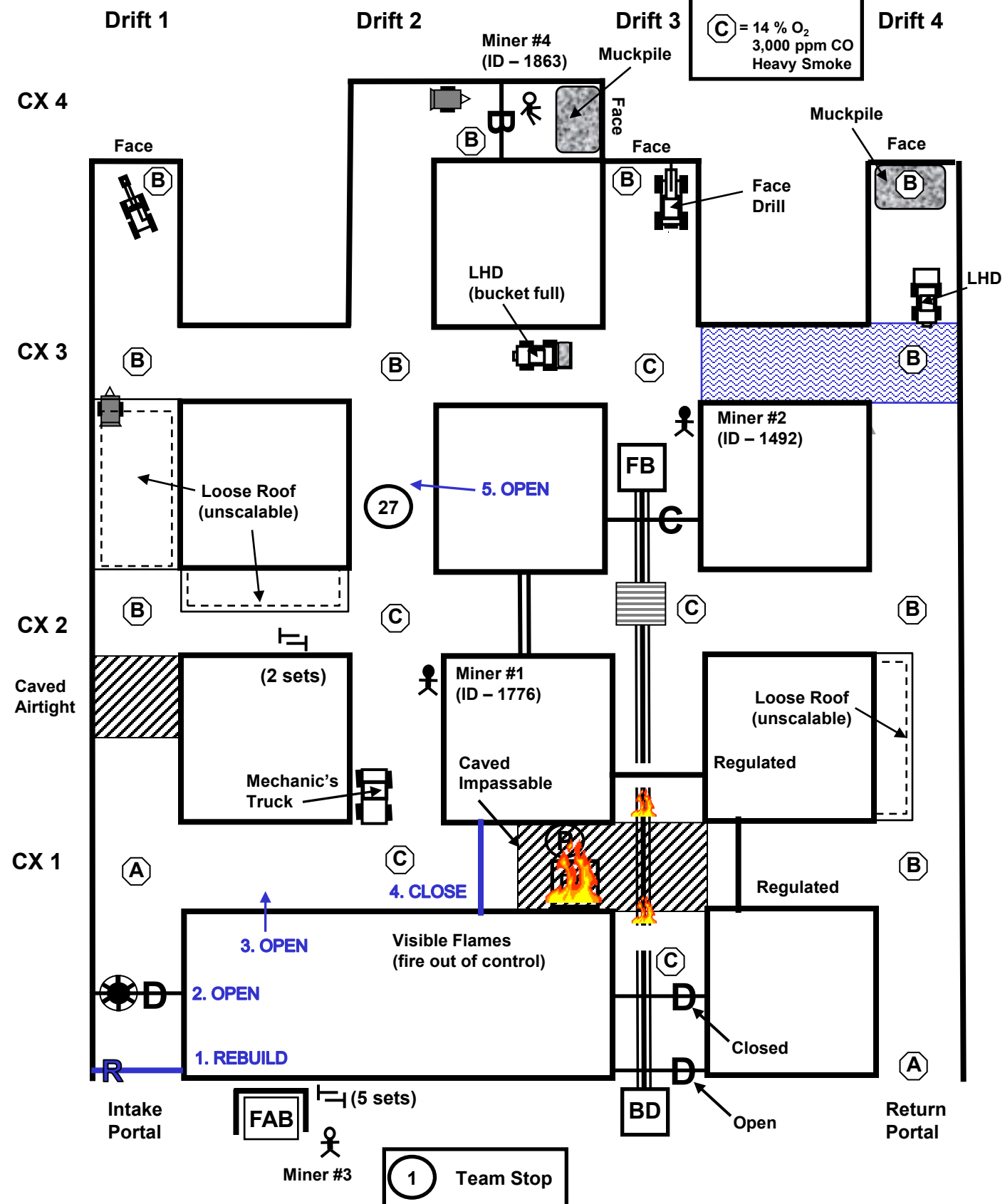
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 7 (Ventilation Change – Step 1)

Gas Placard Key:

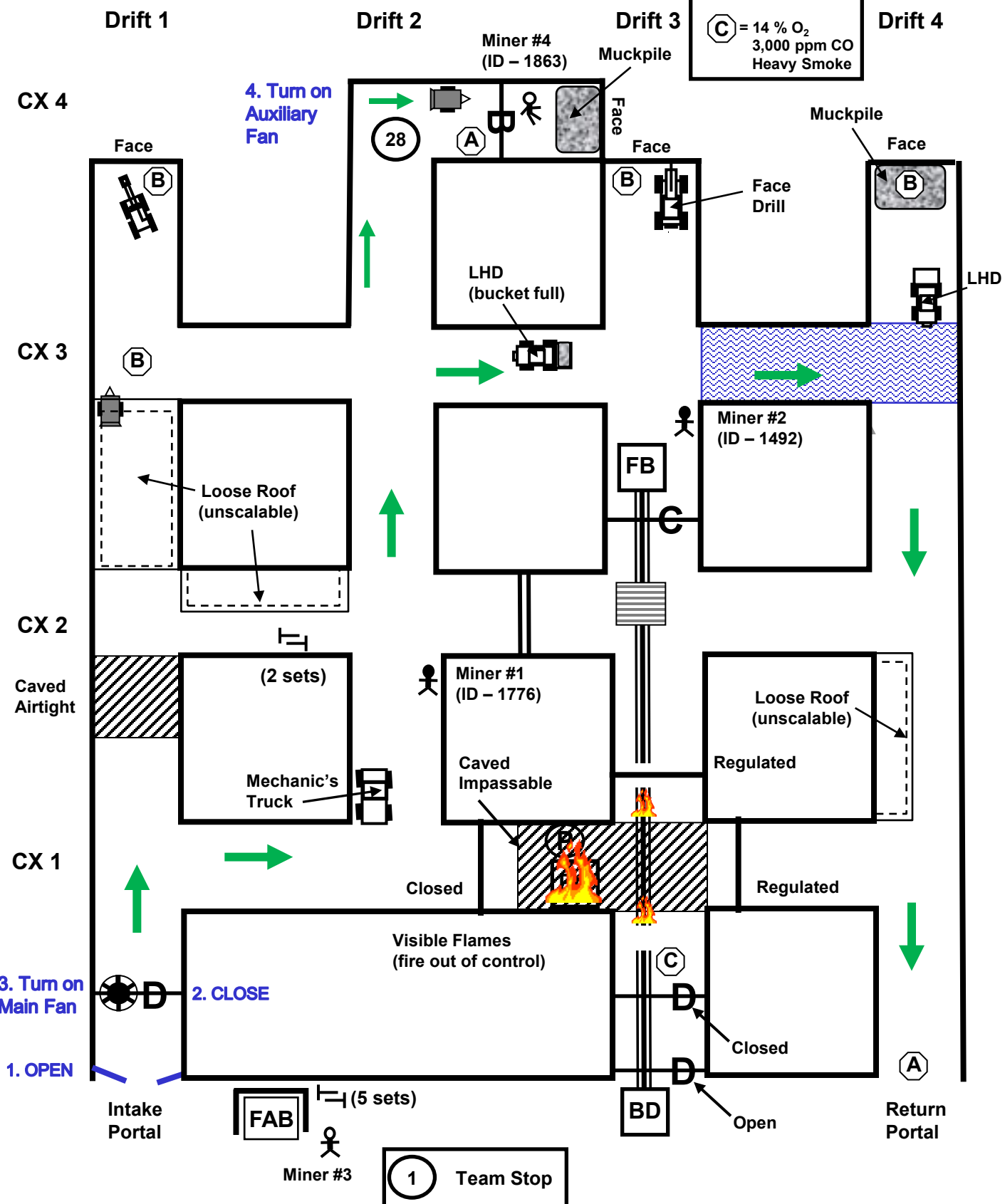
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 8 (Ventilation Change – Step 2)

Gas Placard Key:

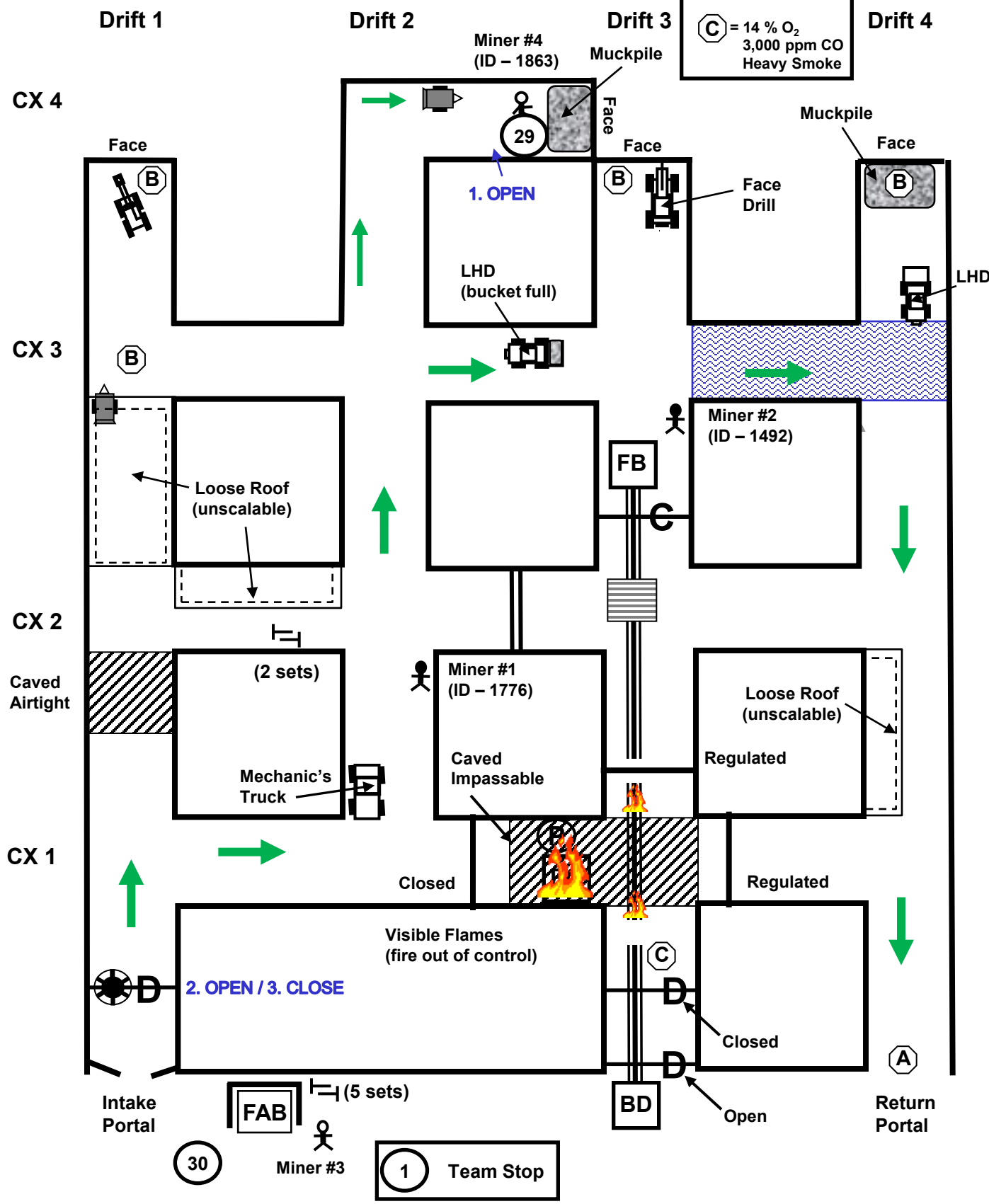
- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



Solution Map - 9

Gas Placard Key:

- A** = Clear Air
- B** = 16 % O₂
900 ppm CO
Light Smoke
- C** = 14 % O₂
3,000 ppm CO
Heavy Smoke



30

FAB

(5 sets)

1 Team Stop

