

1 | 2 | 3 | 4 | 5 | 6

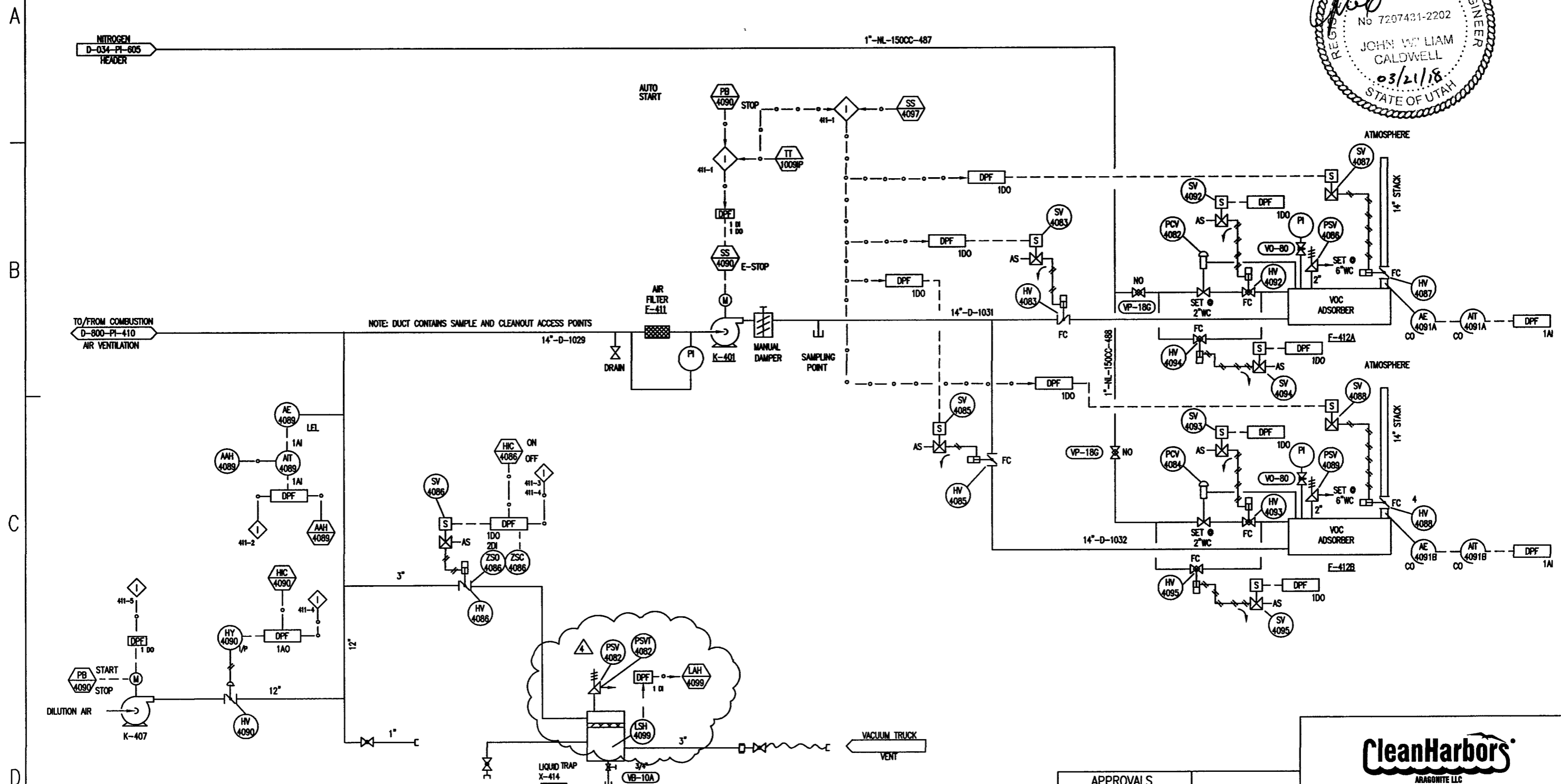
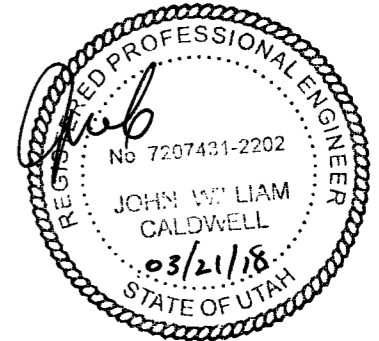
K-407
DILUTION AIR FAN

E-411
CARBON ADSORPTION
PARTICULATE FILTER

K-401
ID FAN

P-412
VACUUM PUMP

E-412A/B
VOC ADSORPTION FILTERS



NOTE: DUCT CONTAINS SAMPLE AND CLEANOUT ACCESS POINTS

INTERLOCK DESCRIPTION

- 411-1 TO BYPASS KILN & ABC - CLOSE HV-4081, HV-4016, & HV-4050; OPEN HV4083 or HV4085 (HV-4081, HV-4016, & HV-4050 ARE ON DRAWING PI-410)
- 411-2 STOP TRUCK VACUUM WHEN LEL ABOVE 60%
- 411-3 VALVE CANNOT OPEN UNLESS K-407 IS RUNNING
- 411-4 HV-4090 & HV-4086 CLOSE TO BYPASS KILN, FAN STOPS
- 411-5 TRUCK VACUUM PUMP CANNOT RUN UNLESS K-407 RUNNING
- 411-6 TRUCK VACUUM PUMP CANNOT RUN UNLESS HV4086 OPEN

REVISIONS

NO	DESCRIPTION	DATE	BY	CHK	ENG MGR
1	AS BUILT	04-30-98	CRM		
2	ADDED VACUUM TRUCK VENT	04-16-03	KL		
3	ADDED 1" BLOCK VALVE; UPDATED INTRLK DESC	04-24-03	LC		
4	SEVERED CONNECTION BETWEEN TRAP AND DILUTION	12-01-05	KL		
5	DUCT/OTHER CORRECTIONS				

REVISIONS

NO	DESCRIPTION	DATE	BY	CHK	ENG MGR
1	ADDED PSVT 4082	3/20/2018	JWR	CRP	JWR

APPROVALS

BY	DATE
DRAWN	
CHECKED	
ELEC	
MECH	
STRUCT	
PROJECT ENG	
ENGINEERING MGR	
AS BUILT	

REGISTERED PROFESSIONAL ENGINEER
DATE:



ARAGONITE LLC
THE SERVICES IN THE PROPERTY OF CLEAN HARBORS ARAGONITE LLC
ANY USE OF THIS COMPANY LOGO OR TRADEMARK MUST BE FOR THE COMPANY

TITLE
UTAH ENVIRONMENTAL SERVICE CENTER
SLUDGE, DECANT AND BULK SOLIDS AREA
P&ID COMB. AIR CARBON ADSORPTION SYSTEM

FOR SCALE TOODE SITE JOB NO
AP668R
D-800-PI-411 4