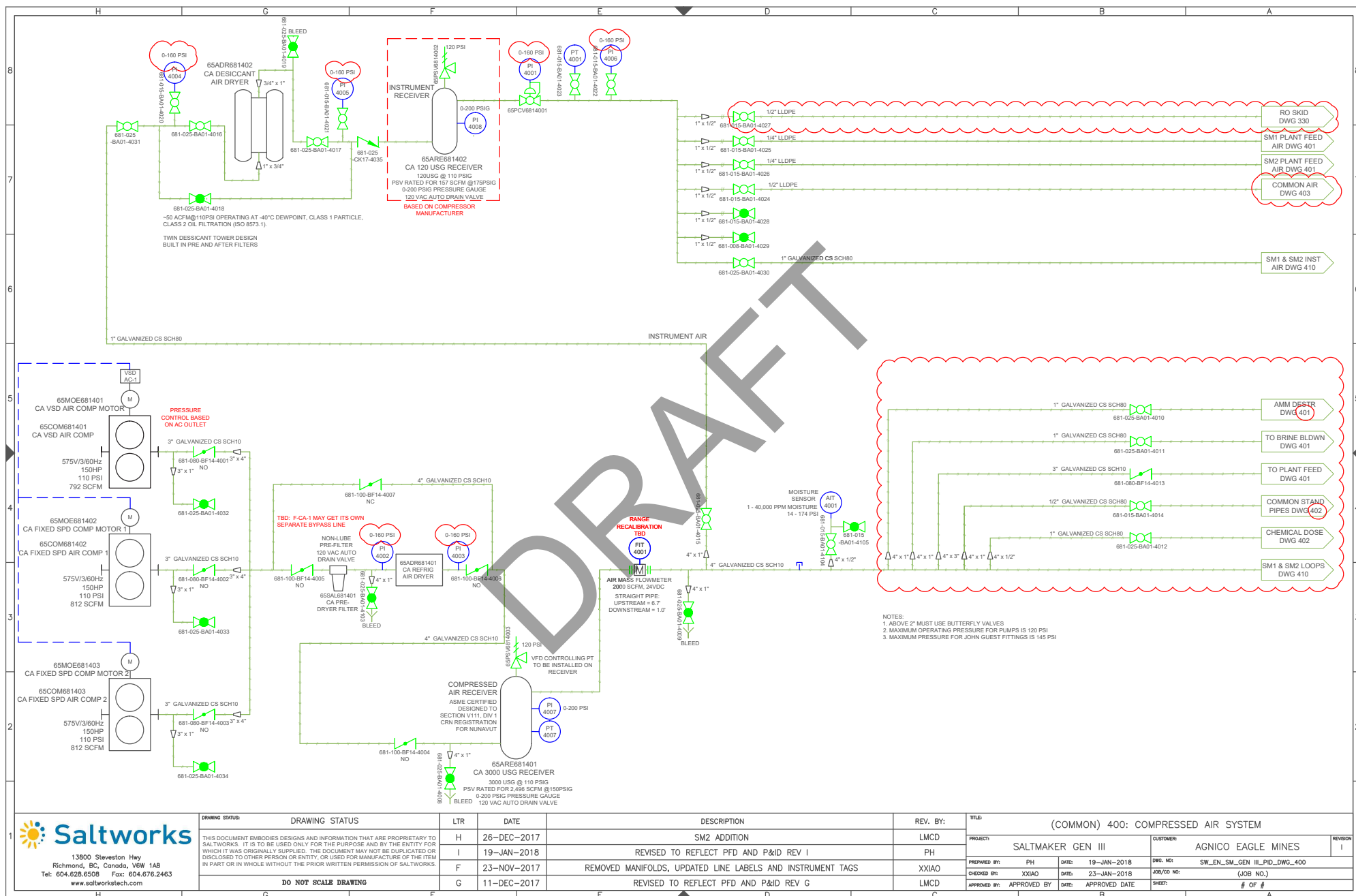
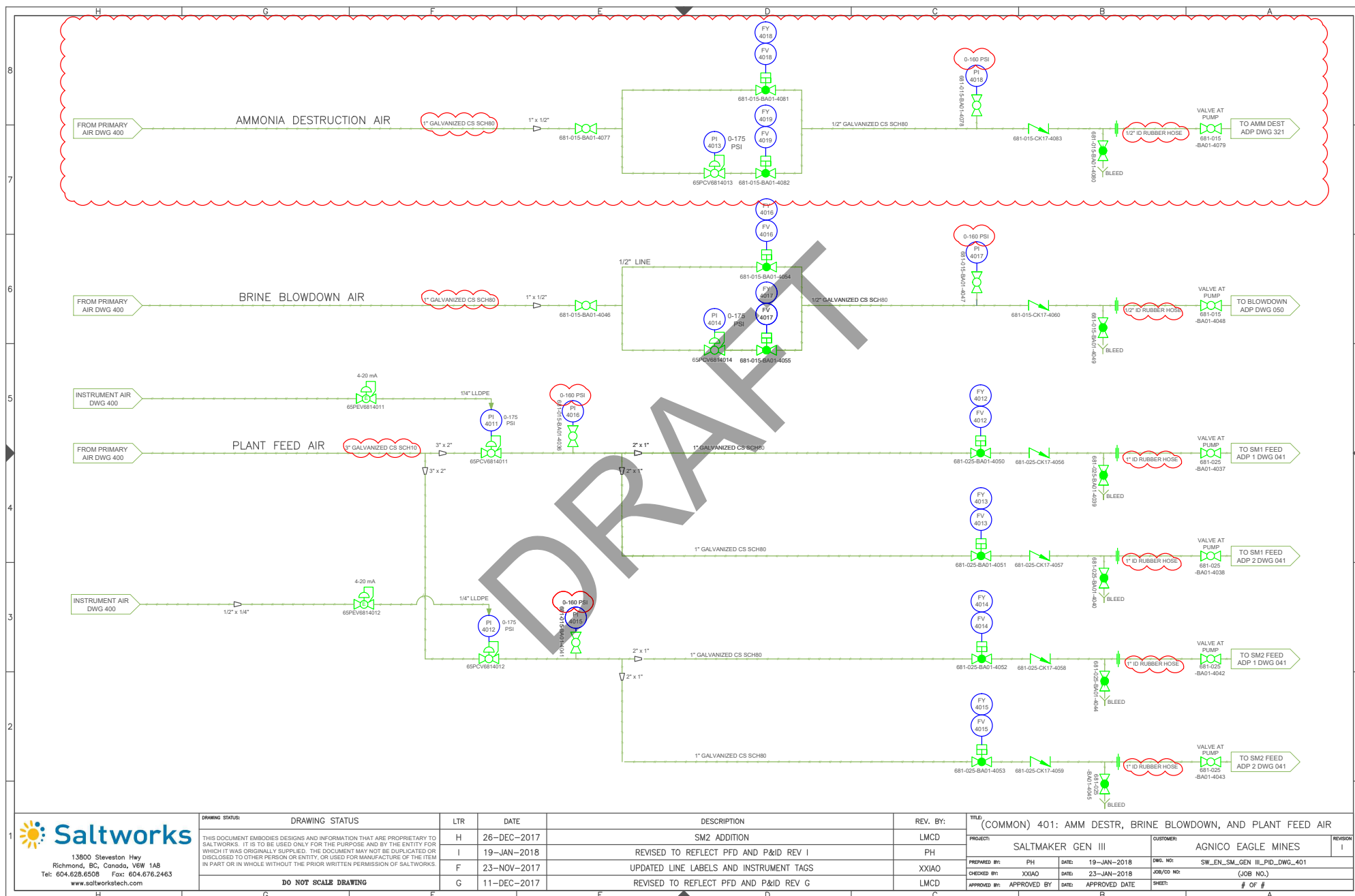






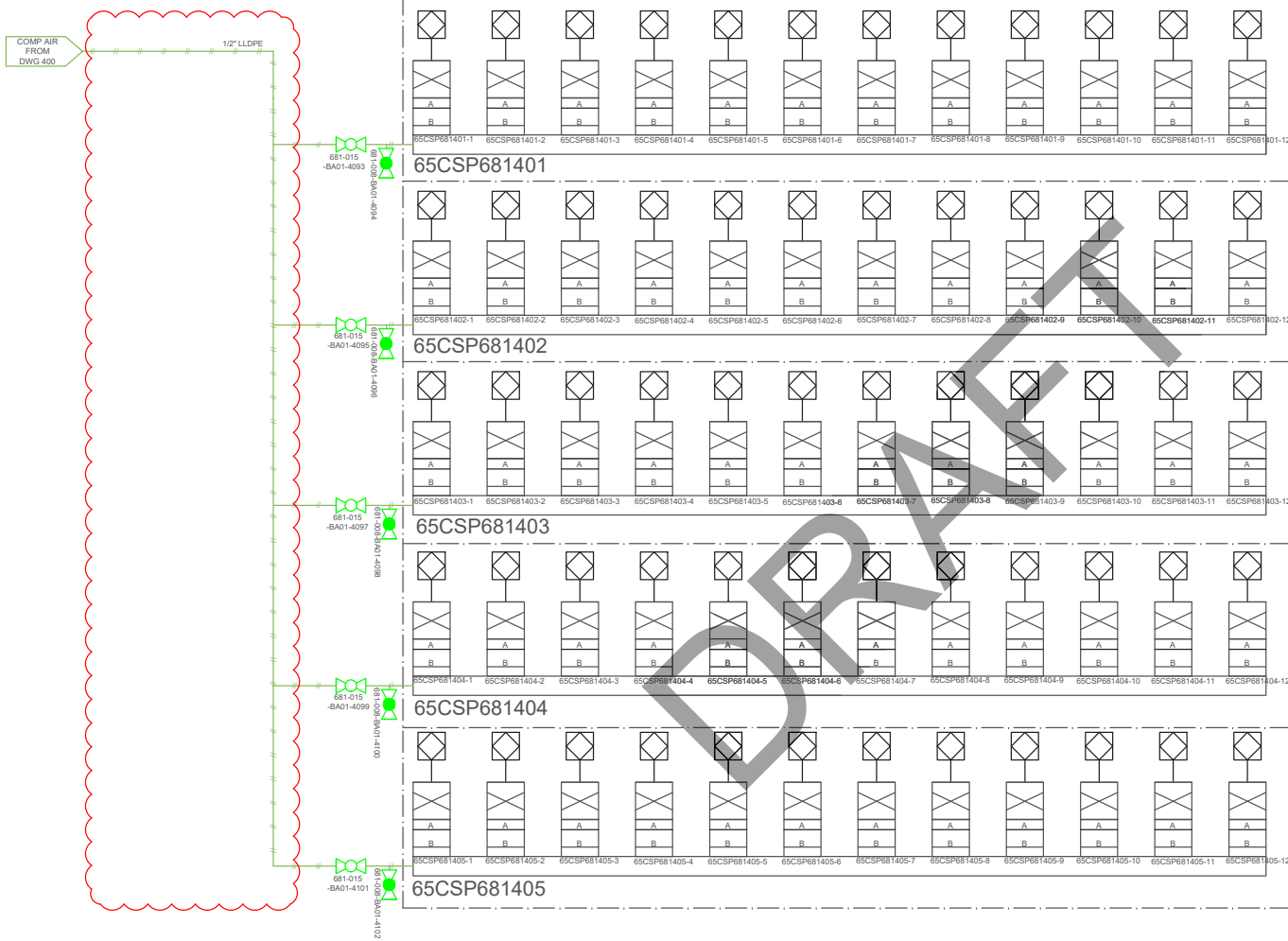


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THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.	H	26-DEC-2017	SM2 ADDITION	LMCD	(COMMON) 401: AMM DESTR, BRINE BLOWDOWN, AND PLANT FEED AIR
DO NOT SCALE DRAWING	I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	PROJECT: SALTMAKER GEN III
	F	23-NOV-2017	UPDATED LINE LABELS AND INSTRUMENT TAGS	XXIAO	CUSTOMER: AGNICO EAGLE MINES
	G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_401
					JOB/CD NO: (JOB NO.)
					SHEET: # OF #

REVISION I

LOCATED NEAR FEED & POST TREATMENT TANKS



SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681401-1	65FV6810401	65CSP681401-1/65FV6810401/A	65CSP681401-1/65FV6810401/B
65CSP681401-2	65FV6810402	65CSP681401-2/65FV6810402/A	65CSP681401-2/65FV6810402/B
65CSP681401-3	65FV6810409	65CSP681401-3/65FV6810409/A	65CSP681401-3/65FV6810409/B
65CSP681401-4	65FV6810413	65CSP681401-4/65FV6810413/A	65CSP681401-4/65FV6810413/B
65CSP681401-5	65FV6810414	65CSP681401-5/65FV6810414/A	65CSP681401-5/65FV6810414/B
65CSP681401-6	65FV6810415	65CSP681401-6/65FV6810415/A	65CSP681401-6/65FV6810415/B
65CSP681401-7	65FV6810416	65CSP681401-7/65FV6810416/A	65CSP681401-7/65FV6810416/B
65CSP681401-8	65FV6810417	65CSP681401-8/65FV6810417/A	65CSP681401-8/65FV6810417/B
65CSP681401-9	65FV6810403	65CSP681401-9/65FV6810403/A	65CSP681401-9/65FV6810403/B
65CSP681401-10	65FV6810418	65CSP681401-10/65FV6810418/A	65CSP681401-10/65FV6810418/B
65CSP681401-11	65FV6810406	65CSP681401-11/65FV6810406/A	65CSP681401-11/65FV6810406/B
65CSP681401-12	65FV6810412	65CSP681401-12/65FV6810412/A	65CSP681401-12/65FV6810412/B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681402-1	65FV6810413	65CSP681402-1/65FV6810413/A	65CSP681402-1/65FV6810413/B
65CSP681402-2	65FV6810411	65CSP681402-2/65FV6810411/A	65CSP681402-2/65FV6810411/B
65CSP681402-3	65FV6810411	65CSP681402-3/65FV6810411/A	65CSP681402-3/65FV6810411/B
65CSP681402-4	65FV6810420	65CSP681402-4/65FV6810420/A	65CSP681402-4/65FV6810420/B
65CSP681402-5	65FV6810419	65CSP681402-5/65FV6810419/A	65CSP681402-5/65FV6810419/B
65CSP681402-6	65FV6810412	65CSP681402-6/65FV6810412/A	65CSP681402-6/65FV6810412/B
65CSP681402-7	65FV6810414	65CSP681402-7/65FV6810414/A	65CSP681402-7/65FV6810414/B
65CSP681402-8	65FV6810415	65CSP681402-8/65FV6810415/A	65CSP681402-8/65FV6810415/B
65CSP681402-9	65FV6810411	65CSP681402-9/65FV6810411/A	65CSP681402-9/65FV6810411/B
65CSP681402-10	65FV6810412	65CSP681402-10/65FV6810412/A	65CSP681402-10/65FV6810412/B
65CSP681402-11	65FV6810409	65CSP681402-11/65FV6810409/A	65CSP681402-11/65FV6810409/B
65CSP681402-12	65FV6810404	65CSP681402-12/65FV6810404/A	65CSP681402-12/65FV6810404/B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681403-1	65FV6810410	65CSP681403-1/65FV6810410/A	65CSP681403-1/65FV6810410/B
65CSP681403-2	65FV6810417	65CSP681403-2/65FV6810417/A	65CSP681403-2/65FV6810417/B
65CSP681403-3	65FV6810401	65CSP681403-3/65FV6810401/A	65CSP681403-3/65FV6810401/B
65CSP681403-4	65FV6810408	65CSP681403-4/65FV6810408/A	65CSP681403-4/65FV6810408/B
65CSP681403-5	65FV6810409	65CSP681403-5/65FV6810409/A	65CSP681403-5/65FV6810409/B
65CSP681403-6	65FV6813201	65CSP681403-6/65FV6813201/A	65CSP681403-6/65FV6813201/B
65CSP681403-7	65FV6813202	65CSP681403-7/65FV6813202/A	65CSP681403-7/65FV6813202/B
65CSP681403-8	65FV6813203	65CSP681403-8/65FV6813203/A	65CSP681403-8/65FV6813203/B
65CSP681403-9	65FV6813204	65CSP681403-9/65FV6813204/A	65CSP681403-9/65FV6813204/B
65CSP681403-10	65FV6813209	65CSP681403-10/65FV6813209/A	65CSP681403-10/65FV6813209/B
65CSP681403-11	65FV6813221	65CSP681403-11/65FV6813221/A	65CSP681403-11/65FV6813221/B
65CSP681403-12	65FV6813222	65CSP681403-12/65FV6813222/A	65CSP681403-12/65FV6813222/B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681404-1	65FV6813223	65CSP681404-1/65FV6813223/A	65CSP681404-1/65FV6813223/B
65CSP681404-2	65FV6813224	65CSP681404-2/65FV6813224/A	65CSP681404-2/65FV6813224/B
65CSP681404-3	65FV6813229	65CSP681404-3/65FV6813229/A	65CSP681404-3/65FV6813229/B
65CSP681404-4	65FV6813211	65CSP681404-4/65FV6813211/A	65CSP681404-4/65FV6813211/B
65CSP681404-5	65FV6813212	65CSP681404-5/65FV6813212/A	65CSP681404-5/65FV6813212/B
65CSP681404-6	65FV6813213	65CSP681404-6/65FV6813213/A	65CSP681404-6/65FV6813213/B
65CSP681404-7	65FV6813214	65CSP681404-7/65FV6813214/A	65CSP681404-7/65FV6813214/B
65CSP681404-8	65FV6813215	65CSP681404-8/65FV6813215/A	65CSP681404-8/65FV6813215/B
65CSP681404-9	65FV6813216	65CSP681404-9/65FV6813216/A	65CSP681404-9/65FV6813216/B
65CSP681404-10	65FV6813219	65CSP681404-10/65FV6813219/A	65CSP681404-10/65FV6813219/B
65CSP681404-11	65FV6814028	65CSP681404-11/65FV6814028/A	65CSP681404-11/65FV6814028/B
65CSP681404-12	65FV6814029	65CSP681404-12/65FV6814029/A	65CSP681404-12/65FV6814029/B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681405-1	65FV6813231	65CSP681405-1/65FV6813231/A	65CSP681405-1/65FV6813231/B
65CSP681405-2	65FV6813232	65CSP681405-2/65FV6813232/A	65CSP681405-2/65FV6813232/B
65CSP681405-3	65FV6813233	65CSP681405-3/65FV6813233/A	65CSP681405-3/65FV6813233/B
65CSP681405-4	65FV6813109	65CSP681405-4/65FV6813109/A	65CSP681405-4/65FV6813109/B
65CSP681405-5	65FV6810702	65CSP681405-5/65FV6810702/A	65CSP681405-5/65FV6810702/B
65CSP681405-6	65FV6810622	65CSP681405-6/65FV6810622/A	65CSP681405-6/65FV6810622/B
65CSP681405-7	65FV6814010	65CSP681405-7/65FV6814010/A	65CSP681405-7/65FV6814010/B
65CSP681405-8	65FV6814011	65CSP681405-8/65FV6814011/A	65CSP681405-8/65FV6814011/B
65CSP681405-9	65FV6814021	65CSP681405-9/65FV6814021/A	65CSP681405-9/65FV6814021/B
65CSP681405-10	65FV6810641	65CSP681405-10/65FV6810641/A	65CSP681405-10/65FV6810641/B
65CSP681405-11	SPARE		
65CSP681405-12	SPARE		

NOTE: AIR BOX CONFIGURATION PENDING MECH DESIGN

1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
 - a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
 - b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
 - a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
 - b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:
H	26-DEC-2017	SM2 ADDITION	LMCD	
I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	
F	23-NOV-2017	REMOVED DOWNSTREAM AMF AND ASSOCIATED LINES	XXIAO	
G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	

DO NOT SCALE DRAWING

TITLE:	PROJECT:	CUSTOMER:	REVISION
(COMMON) 403: COMMON & POST TREATMENT AIR BANKS	SALTMAKER GEN III	AGNICO EAGLE MINES	1
PREPARED BY: PH	CHECKED BY: XXIAO	DATE: 19-JAN-2018	DWG. NO: SW_EXH_SM_GEN_III_P&ID_DWG_403
APPROVED BY: APPROVED BY	DATE: 23-JAN-2018	SHEET: # OF #	



Saltworks

AGNICO EAGLE MINES
P&ID DRAWING PACKAGE

COMPRESSED AIR - SM1
REVISION I



Vendor Document Status

AGNICO EAGLE

- 1 ☒ Proceed to next submission and status.
- 2 ☐ Proceed with exceptions as noted to next submission and status.
- 3 ☐ Do not proceed.
Revise as noted and resubmit next submission and status.
- 4 ☐ Complete, no further submission required.

Sébastien Perron
Instrumentation

2018.02.13 15:43:08 -05'00'
Date:

Review and authorization to fabricate are only for general conformance with the design concept of the Project as expressed in the Contract Documents. Sole responsibility for the accuracy and completeness of this document, including but not limited to dimensions and quantities, remains with the Supplier/Contractor. Agnico Eagle does not warrant the accuracy or completeness of any of the information contained herein, nor does Agnico Eagle authorize or approve any construction means, methods, techniques, sequences or any safety precautions or procedures.

Agnico Eagle
No.

6515-S-265-069-205-PID-0007 R: Sub001

DOCUMENT FOR INFORMATION



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		G	09-DEC-2017	PI RANGES, VALVE TYPE, AS BUILT UPDATES	JLAU				
		H	22-DEC-2017	AS MARKED BY REVISION CLOUDS	JLAU				
		I	19-JAN-2018	AS MARKED BY REVISION CLOUDS	JLAU				
	DO NOT SCALE DRAWING								

PREPARED BY:	JLAU	DATE:	1-SEP-2017	DWG. NO:	COVER SHEET
CHECKED BY:	MLOW	DATE:	5-SEP-2017	JOB/CD NO:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #

DRAWING LIST 1

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
		COVER SHEET	35	SW_EN_SM_AEM-01_PID_SM1_DWG_230	EFFECT 3 TANK AND PUMPS
		DRAWING LIST 1	36	SW_EN_SM_AEM-01_PID_SM1_DWG_231	EFFECT 3 MODULES
		DRAWING LIST 2	37	SW_EN_SM_AEM-01_PID_SM1_DWG_232	EFFECT 3 SOLIDS EXTRACTION
		LEGEND	38	SW_EN_SM_AEM-01_PID_SM1_DWG_233	EFFECT 3 PUMP SEAL FLUSH
			39	SW_EN_SM_AEM-01_PID_SM1_DWG_234	EFFECT 3 AIR SEALS
		<u>COMMON</u>			
1	SW_EN_SM_AEM-01_PID_COMMON_DWG_000	MASTER PFD	40	SW_EN_SM_AEM-01_PID_SM1_DWG_240	EFFECT 4 TANK AND PUMPS
2	SW_EN_SM_AEM-01_PID_COMMON_DWG_010	PROCESS FLOW DIAGRAM	41	SW_EN_SM_AEM-01_PID_SM1_DWG_241	EFFECT 4 MODULES
3	SW_EN_SM_AEM-01_PID_COMMON_DWG_020	CONTAINER LAYOUT	42	SW_EN_SM_AEM-01_PID_SM1_DWG_243	EFFECT 4 PUMP SEAL FLUSH
4	SW_EN_SM_AEM-01_PID_COMMON_DWG_030	MODULES LAYOUT	43	SW_EN_SM_AEM-01_PID_SM1_DWG_244	EFFECT 4 AIR SEALS
5	SW_EN_SM_AEM-01_PID_COMMON_DWG_040	PLANT FEED TANKS			
6	SW_EN_SM_AEM-01_PID_COMMON_DWG_041	PLANT FEED PUMP SKIDS	44	SW_EN_SM_AEM-01_PID_SM1_DWG_250	EFFECT 5 TANK AND PUMPS
7	SW_EN_SM_AEM-01_PID_COMMON_DWG_050	CLEAN RESERVE AND BLOWDOWN SYSTEMS	45	SW_EN_SM_AEM-01_PID_SM1_DWG_251	EFFECT 5 MODULES
8	SW_EN_SM_AEM-01_PID_COMMON_DWG_060	ACID DOSING SYSTEM	46	SW_EN_SM_AEM-01_PID_SM1_DWG_253	EFFECT 5 PUMP SEAL FLUSH
9	SW_EN_SM_AEM-01_PID_COMMON_DWG_061	BASE DOSING SYSTEM	47	SW_EN_SM_AEM-01_PID_SM1_DWG_254	EFFECT 5 AIR SEALS
10	SW_EN_SM_AEM-01_PID_COMMON_DWG_062	BIOCIDE DOSING SYSTEM			
11	SW_EN_SM_AEM-01_PID_COMMON_DWG_063	ANTIFOAM DOSING SYSTEM			<u>THERMAL SYSTEM</u>
12	SW_EN_SM_AEM-01_PID_COMMON_DWG_064	ANTISCALANT DOSING SYSTEM	48	SW_EN_SM_AEM-01_PID_DWG_310	THERMAL SKID: WATER LOOP
13	SW_EN_SM_AEM-01_PID_COMMON_DWG_070	UTILITY WATER DISTRIBUTION	49	SW_EN_SM_AEM-01_PID_DWG_311	THERMAL SKID: WATER LOOP
			50	SW_EN_SM_AEM-01_PID_DWG_312	THERMAL SKID: GYLCOL LOOP
		<u>SALTMAKER 1 (SM1)</u>			
14	SW_EN_SM_AEM-01_PID_SM1_DWG_110	THERMAL SOURCE PRIMARY HEAT EXCHANGERS			<u>POST TREATMENT</u>
15	SW_EN_SM_AEM-01_PID_SM1_DWG_120	CONDENSED WATER SYSTEM	51	SW_EN_SM_AEM-01_PID_COMMON_DWG_320	NITRITE DESTRUCTION AND RO PC SYSTEM
16	SW_EN_SM_AEM-01_PID_SM1_DWG_130	FEED DISTRIBUTION	52	SW_EN_SM_AEM-01_PID_COMMON_DWG_321	AMMONIA DESTRUCTION SYSTEM
17	SW_EN_SM_AEM-01_PID_SM1_DWG_150	CIP TANKS	53	SW_EN_SM_AEM-01_PID_COMMON_DWG_322	RO BRINE FLUSH TANK
18	SW_EN_SM_AEM-01_PID_SM1_DWG_151	CIP PUMP SKID	54	SW_EN_SM_AEM-01_PID_COMMON_DWG_323	RO PERMEATE TANK
19	SW_EN_SM_AEM-01_PID_SM1_DWG_160	EFFECT HOLD 1			
20	SW_EN_SM_AEM-01_PID_SM1_DWG_161	EFFECT HOLD 2			<u>COMPRESSED AIR-COMMON PACKAGE</u>
21	SW_EN_SM_AEM-01_PID_SM1_DWG_162	SYSTEM HOLD	55	SW_EN_SM_AEM-01_PID_COMPRESSED	COMPRESSED AIR SYSTEM
22	SW_EN_SM_AEM-01_PID_SM1_DWG_163	CALCIUM EXTRACTION		AIR-COMMON_DWG_400	
23	SW_EN_SM_AEM-01_PID_SM1_DWG_164	EH1 SOLIDS EXTRACTION	56	SW_EN_SM_AEM-01_PID_COMPRESSED	AMMONIA DES, BRINE BLOWDOWN AND PLANT
24	SW_EN_SM_AEM-01_PID_SM1_DWG_165	EH2 SOLIDS EXTRACTION		AIR-COMMON_DWG_401	FEED AIR
25	SW_EN_SM_AEM-01_PID_SM1_DWG_180	DRIP TRAYS	57	SW_EN_SM_AEM-01_PID_COMPRESSED	CHEMICAL DOSING AND ANCILLARY STAND PIPE
				AIR-COMMON_DWG_402	AIR
26	SW_EN_SM_AEM-01_PID_SM1_DWG_210	EFFECT 1 TANK AND PUMPS	58	SW_EN_SM_AEM-01_PID_COMPRESSED	COMMON AND POST TREATMENT AIR BANK
27	SW_EN_SM_AEM-01_PID_SM1_DWG_211	EFFECT 1 MODULES		AIR-COMMON_DWG_403	
28	SW_EN_SM_AEM-01_PID_SM1_DWG_213	EFFECT 1 PUMP SEAL FLUSH			<u>COMPRESSED AIR-SM1</u>
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS			SM INSTRUMENT AND PROCESS AIR
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS	59	SW_EN_SM_AEM-01_PID_COMPRESSED	EH1/EH2 EXTRACT AND CIP AIR
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES		AIR-SM1_DWG_410	
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION	60	SW_EN_SM_AEM-01_PID_COMPRESSED	
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH		AIR-SM1_DWG_411	
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS			



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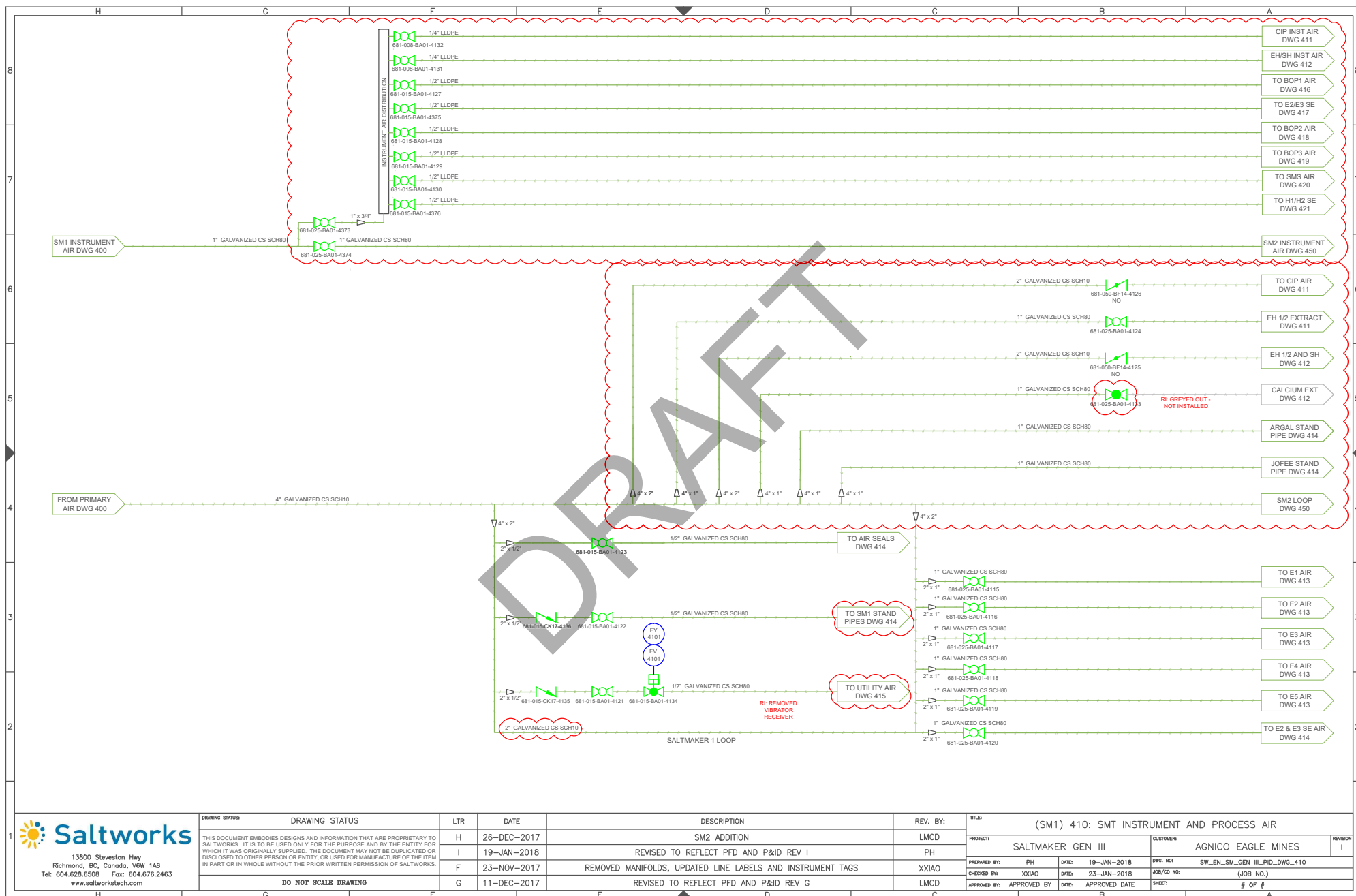
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	G	09-DEC-2017	NO CHANGES	-	PROJECT: SALTMAKER GEN III
	H	22-DEC-2017	ADDED SM2	JLAU	CUSTOMER: AGNICO EAGLE MINES
	I	19-JAN-2018	UPDATED DWG NUMBERS	JLAU	REVISION: 1
DO NOT SCALE DRAWING					PREPARED BY: JLAU
					DATE: 01-SEP-2017
					DWG. NO: DRAWING LIST 1
					CHECKED BY: MLOW
					DATE: 05-SEP-2017
					JOB/COD NO: (JOB NO.)
					APPROVED BY: APPROVED BY
					DATE: APPROVED DATE
					SHEET: # OF #

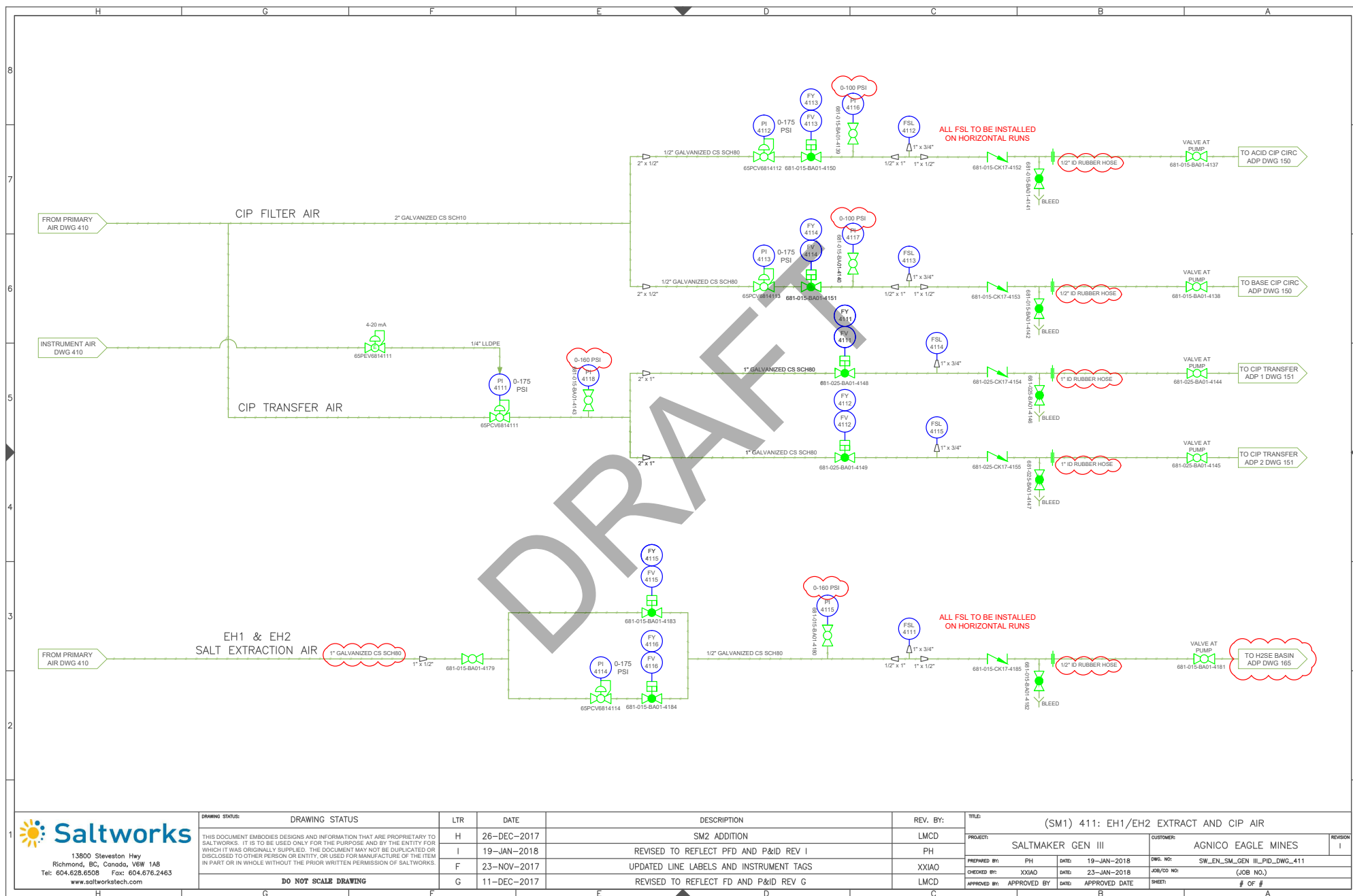
DRAWING LIST 2

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
61	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_412	EH1/EH2 EXTRACT AND CIP AIR	83	SW_EN_SM_AEM-01_PID_SM2_DWG_510	SALTMAKER 2 (SM2)
62	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_413	PLUG PREVENTION PUMP AIR	84	SW_EN_SM_AEM-01_PID_SM2_DWG_520	THERMAL SOURCE PRIMARY HEAT EXCHANGERS
63	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_414	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	85	SW_EN_SM_AEM-01_PID_SM2_DWG_530	CONDENSED WATER SYSTEM
64	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_415	UTILITY AIR	86	SW_EN_SM_AEM-01_PID_SM2_DWG_550	FEED DISTRIBUTION
65	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_416	BOP1 AIR SOLENOID BANK	87	SW_EN_SM_AEM-01_PID_SM2_DWG_551	CIP TANKS
66	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_417	E2/E3 SE AIR SOLENOID BANK	88	SW_EN_SM_AEM-01_PID_SM2_DWG_560	CIP PUMP SKID
67	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_418	BOP2 AIR SOLENOID BANK	89	SW_EN_SM_AEM-01_PID_SM2_DWG_561	EFFECT HOLD 1
68	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_419	BOP3 AIR SOLENOID BANK	90	SW_EN_SM_AEM-01_PID_SM2_DWG_562	EFFECT HOLD 2
69	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_420	CIP, EH/SY AIR SOLENOID BANK	91	SW_EN_SM_AEM-01_PID_SM2_DWG_563	SYSTEM HOLD
70	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_421	H1/H2 SE AIR SOLENOID BANK	92	SW_EN_SM_AEM-01_PID_SM2_DWG_564	CALCIUM EXTRACTION
		<u>COMPRESSED AIR-SM2</u>	93	SW_EN_SM_AEM-01_PID_SM2_DWG_565	EH1 SOLIDS EXTRACTION
71	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_450	SM INSTRUMENT AND PROCESS AIR	94	SW_EN_SM_AEM-01_PID_SM2_DWG_580	EH2 SOLIDS EXTRACTION
72	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_451	EH1/EH2 EXTRACT AND CIP AIR			DRIP TRAYS
73	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_452	EFFECT/SYSTEM HOLD AND CAL EXTRACTION AIR	95	SW_EN_SM_AEM-01_PID_SM2_DWG_610	EFFECT 1 TANK AND PUMPS
74	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_453	PLUG PREVENTION PUMP AIR	96	SW_EN_SM_AEM-01_PID_SM2_DWG_611	EFFECT 1 MODULES
75	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_454	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	97	SW_EN_SM_AEM-01_PID_SM2_DWG_613	EFFECT 1 PUMP SEAL FLUSH
76	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_455	UTILITY AIR	98	SW_EN_SM_AEM-01_PID_SM2_DWG_614	EFFECT 1 AIR SEALS
77	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_456	BOP1 AIR SOLENOID BANK	99	SW_EN_SM_AEM-01_PID_SM2_DWG_620	EFFECT 2 TANK AND PUMPS
78	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_457	E2/E3 SE AIR SOLENOID BANK	100	SW_EN_SM_AEM-01_PID_SM2_DWG_621	EFFECT 2 MODULES
79	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_458	BOP2 AIR SOLENOID BANK	101	SW_EN_SM_AEM-01_PID_SM2_DWG_622	EFFECT 2 SOLIDS EXTRACTION
80	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_459	BOP3 AIR SOLENOID BANK	102	SW_EN_SM_AEM-01_PID_SM2_DWG_623	EFFECT 2 PUMP SEAL FLUSH
81	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_460	CIP, EH/SY AIR SOLENOID BANK	103	SW_EN_SM_AEM-01_PID_SM2_DWG_624	EFFECT 2 AIR SEALS
82	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_461	H1/H2 SE AIR SOLENOID BANK	104	SW_EN_SM_AEM-01_PID_SM2_DWG_630	EFFECT 3 TANK AND PUMPS
			105	SW_EN_SM_AEM-01_PID_SM2_DWG_631	EFFECT 3 MODULES
			106	SW_EN_SM_AEM-01_PID_SM2_DWG_632	EFFECT 3 SOLIDS EXTRACTION
			107	SW_EN_SM_AEM-01_PID_SM2_DWG_633	EFFECT 3 PUMP SEAL FLUSH
			108	SW_EN_SM_AEM-01_PID_SM2_DWG_634	EFFECT 3 AIR SEALS
			109	SW_EN_SM_AEM-01_PID_SM2_DWG_640	EFFECT 4 TANK AND PUMPS
			110	SW_EN_SM_AEM-01_PID_SM2_DWG_641	EFFECT 4 MODULES
			111	SW_EN_SM_AEM-01_PID_SM2_DWG_643	EFFECT 4 PUMP SEAL FLUSH
			112	SW_EN_SM_AEM-01_PID_SM2_DWG_644	EFFECT 4 AIR SEALS
			113	SW_EN_SM_AEM-01_PID_SM2_DWG_650	EFFECT 5 TANK AND PUMPS
			114	SW_EN_SM_AEM-01_PID_SM2_DWG_651	EFFECT 5 MODULES
			115	SW_EN_SM_AEM-01_PID_SM2_DWG_653	EFFECT 5 PUMP SEAL FLUSH
			116	SW_EN_SM_AEM-01_PID_SM2_DWG_654	EFFECT 5 AIR SEALS

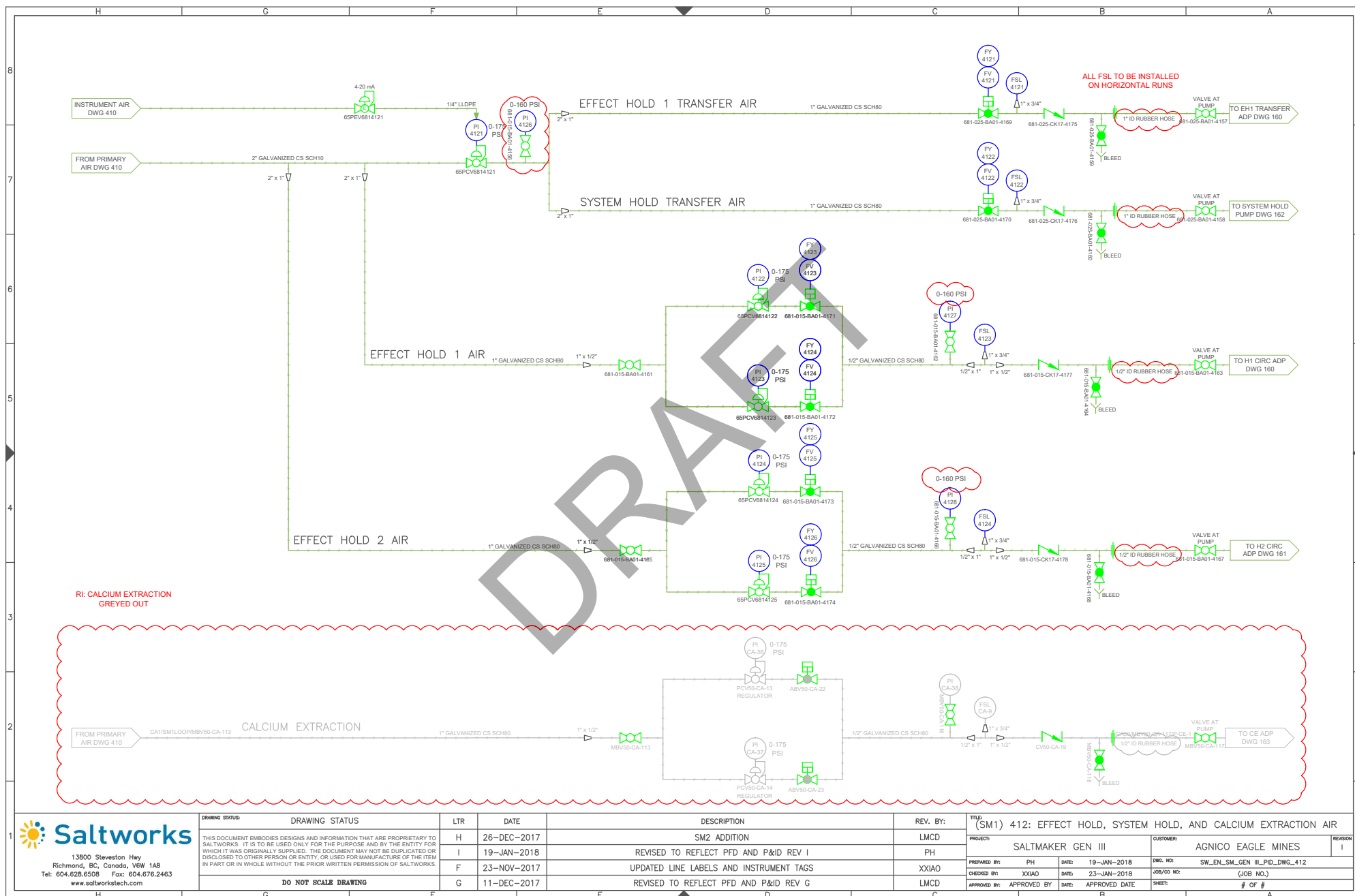
 13900 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS:	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:	DRAWING LIST 2					
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		G	09-DEC-2017	NO CHANGES		-	PREPARED BY:	JLAU	DATE:	01-SEP-2017	DWG. NO:	DRAWING LIST 2
		H	22-DEC-2017	ADDED SM2		JLAU	CHECKED BY:	MLOW	DATE:	05-SEP-2017	JOB/CO. NO:	(JOB NO.)
		I	19-JAN-2018	UPDATED DWG NUMBERS		JLAU	APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #
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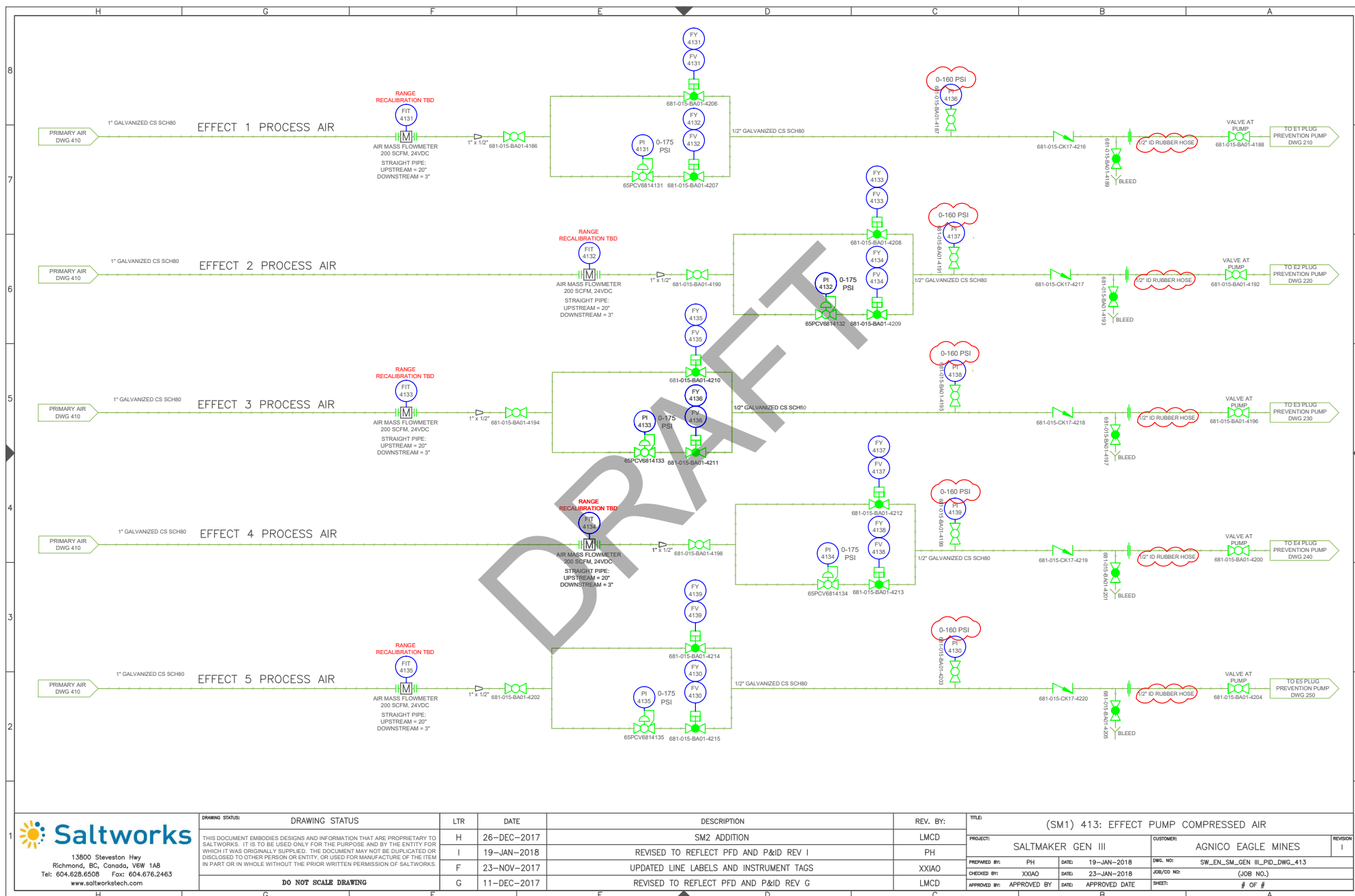


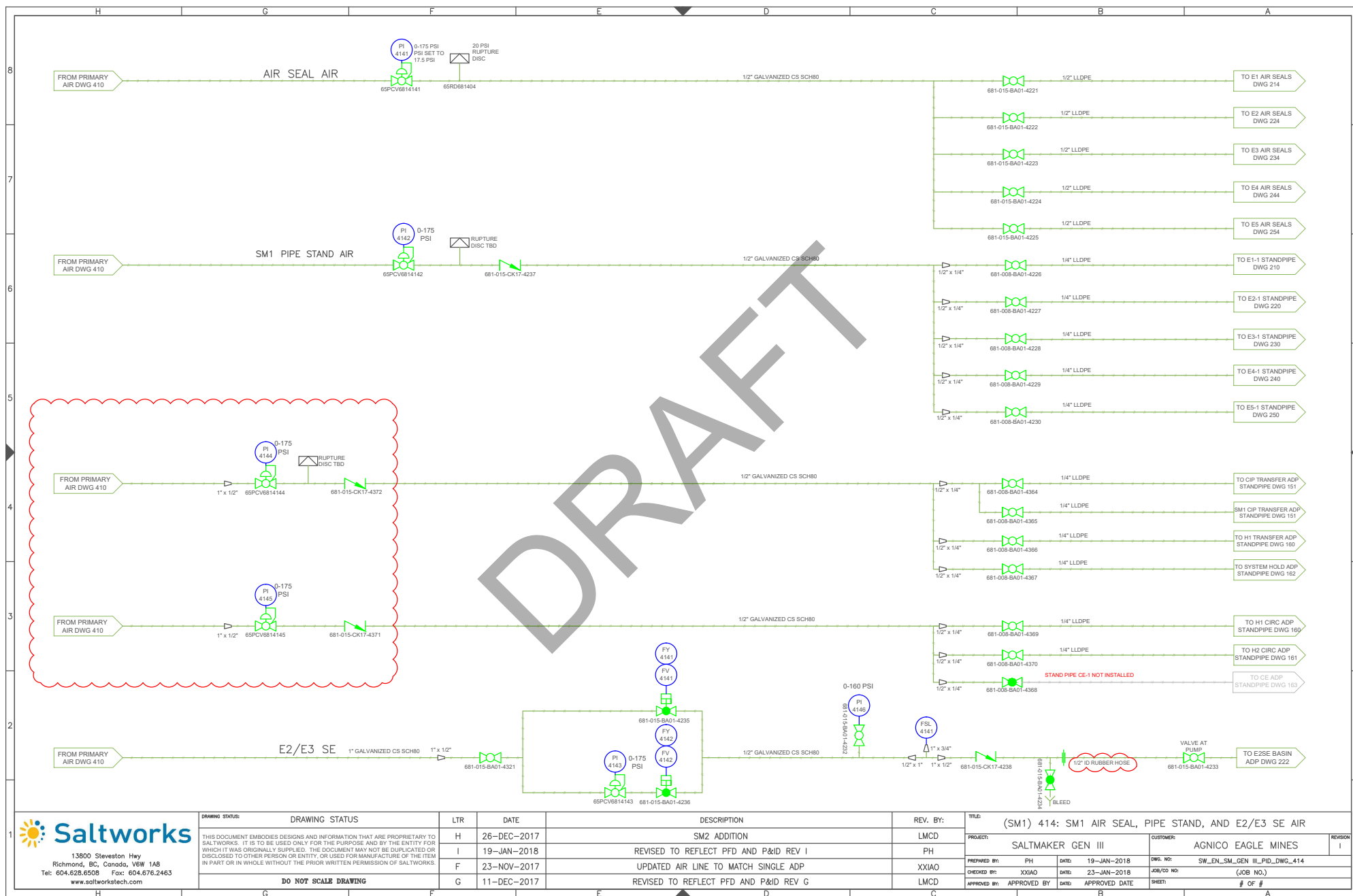


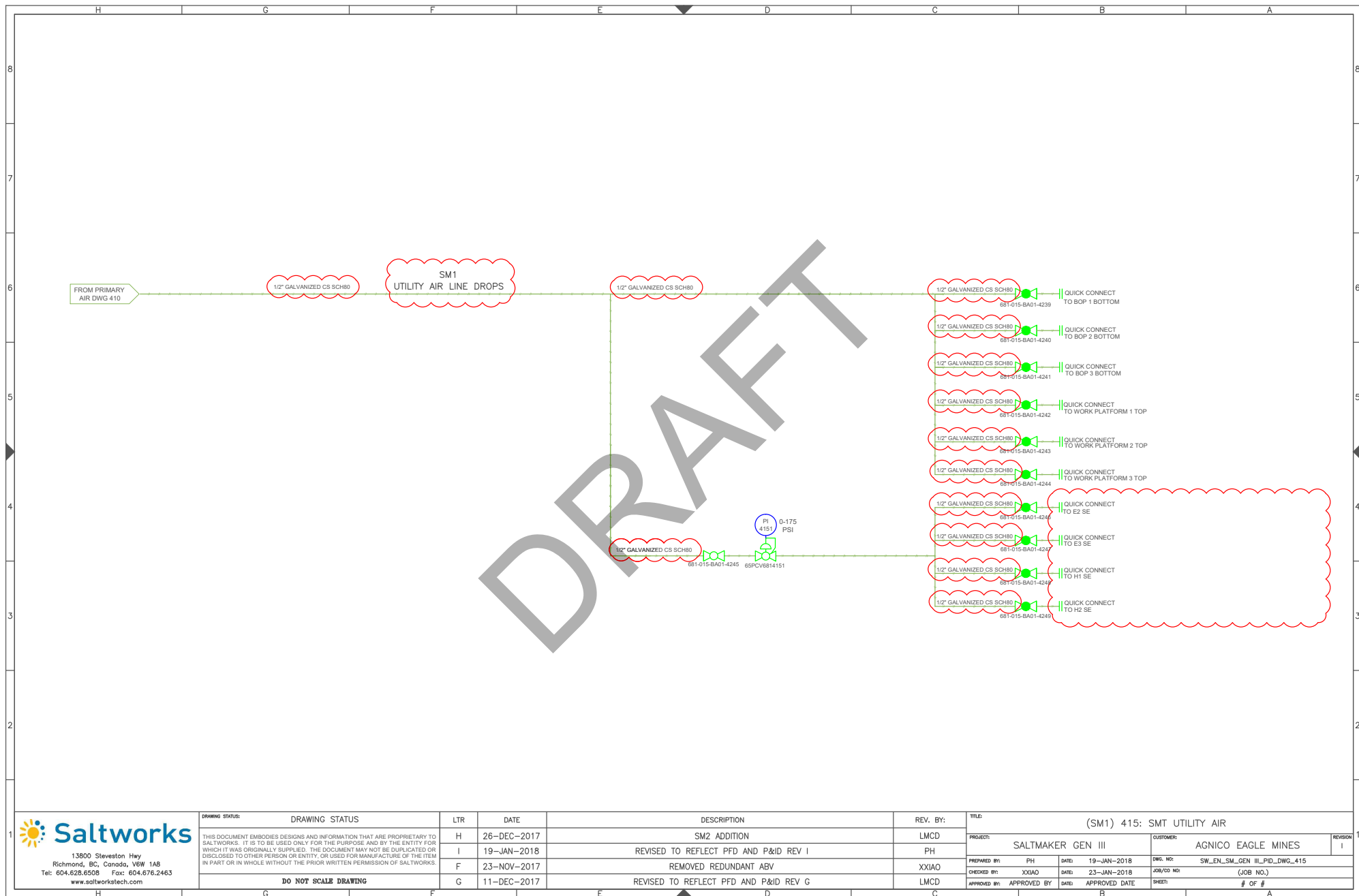


DRAWING STATUS:	DRAWING STATUS		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM1) 411: EH1/EH2 EXTRACT AND CIP AIR				
THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTMAKERS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUBMITTED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTMAKERS.	H	26-DEC-2017			SM2 ADDITION	LMCD	PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES	REVISION: 1	
	I	19-JAN-2018			REVISED TO REFLECT PFD AND P&ID REV I	PH	PREPARED BY: PH		DATE: 19-JAN-2018	DWG. NO: SW_EN_SM_GEN III_PD_DWG_411	
	F	23-NOV-2017			UPDATED LINE LABELS AND INSTRUMENT TAGS	XXIAO	CHECKED BY: XXIAO		DATE: 23-JAN-2018	JOB/CD NO: (JOB NO)	
	G	11-DEC-2017			REVISED TO REFLECT FD AND P&ID REV G	LMCD	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	SHEET: # OF #	
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www.saltworkstech.com

DRAWING STATUS:	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		H	26-DEC-2017	SM2 ADDITION	LMCD	(SM1) 415: SMT UTILITY AIR
		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	
		F	23-NOV-2017	REMOVED REDUNDANT ABV	XXIAO	
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	
	DO NOT SCALE DRAWING					

DRAWING STATUS:	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		H	26-DEC-2017	SM2 ADDITION	LMCD	(SM1) 415: SMT UTILITY AIR
		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	
		F	23-NOV-2017	REMOVED REDUNDANT ABV	XXIAO	
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	
	DO NOT SCALE DRAWING					

PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION:	I
PREPARED BY:	PH	DATE:	19-JAN-2018	DWG. NO.:	SW_EN_SM_GEN_III_PID_DWG_415
CHECKED BY:	XXIAO	DATE:	23-JAN-2018	JOB/CD NO.:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #

LOCATED IN BOP1

COMP AIR
FROM
DWG 410

1/2" LLDPE

65CSP681411-1 65CSP681411-2 65CSP681411-3 65CSP681411-4 65CSP681411-5 65CSP681411-6 65CSP681411-7 65CSP681411-8 65CSP681411-9 65CSP681411-10 65CSP681411-11 65CSP681411-12

65CSP681411

65CSP681412-1 65CSP681412-2 65CSP681412-3 65CSP681412-4 65CSP681412-5 65CSP681412-6 65CSP681412-7 65CSP681412-8 65CSP681412-9 65CSP681412-10 65CSP681412-11 65CSP681412-12

65CSP681412

65CSP681413-1 65CSP681413-2 65CSP681413-3 65CSP681413-4 65CSP681413-5 65CSP681413-6 65CSP681413-7 65CSP681413-8 65CSP681413-9 65CSP681413-10 65CSP681413-11 65CSP681413-12

65CSP681413

65CSP681414-1 65CSP681414-2 65CSP681414-3 65CSP681414-4 65CSP681414-5 65CSP681414-6 65CSP681414-7 65CSP681414-8 65CSP681414-9 65CSP681414-10 65CSP681414-11 65CSP681414-12

65CSP681414

65CSP681415-1 65CSP681415-2 65CSP681415-3 65CSP681415-4 65CSP681415-5 65CSP681415-6 65CSP681415-7 65CSP681415-8 65CSP681415-9 65CSP681415-10 65CSP681415-11 65CSP681415-12

65CSP681415

SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681411-1	65FV6812202	65CSP681411-1/65FV6812202/A	65CSP681411-1/65FV6812202/B
65CSP681411-2	65FV6812203	65CSP681411-2/65FV6812203/A	65CSP681411-2/65FV6812203/B
65CSP681411-3	65FV6812204	65CSP681411-3/65FV6812204/A	65CSP681411-3/65FV6812204/B
65CSP681411-4	65FV6812205	65CSP681411-4/65FV6812205/A	65CSP681411-4/65FV6812205/B
65CSP681411-5	65FV6812206	65CSP681411-5/65FV6812206/A	65CSP681411-5/65FV6812206/B
65CSP681411-6	65FV6812207	65CSP681411-6/65FV6812207/A	65CSP681411-6/65FV6812207/B
65CSP681411-7	65FV6812208	65CSP681411-7/65FV6812208/A	65CSP681411-7/65FV6812208/B
65CSP681411-8	65FV6812201	65CSP681411-8/65FV6812201/A	65CSP681411-8/65FV6812201/B
65CSP681411-9	65FV6812217	65CSP681411-9/65FV6812217/A	65CSP681411-9/65FV6812217/B
65CSP681411-10	65FV6812218	65CSP681411-10/65FV6812218/A	65CSP681411-10/65FV6812218/B
65CSP681411-11	65FV6812200	65CSP681411-11/65FV6812200/A	65CSP681411-11/65FV6812200/B
65CSP681411-12	65FV6812209	65CSP681411-12/65FV6812209/A	65CSP681411-12/65FV6812209/B

SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681412-1	65FV6812216	65CSP681412-1/65FV6812216/A	65CSP681412-1/65FV6812216/B
65CSP681412-2	65FV6812217	65CSP681412-2/65FV6812217/A	65CSP681412-2/65FV6812217/B
65CSP681412-3	65FV6812213	65CSP681412-3/65FV6812213/A	65CSP681412-3/65FV6812213/B
65CSP681412-4	65FV6812219	65CSP681412-4/65FV6812219/A	65CSP681412-4/65FV6812219/B
65CSP681412-5	65FV6814133	65CSP681412-5/65FV6814133/A	65CSP681412-5/65FV6814133/B
65CSP681412-6	65FV6814134	65CSP681412-6/65FV6814134/A	65CSP681412-6/65FV6814134/B
65CSP681412-7	65FV6812302	65CSP681412-7/65FV6812302/A	65CSP681412-7/65FV6812302/B
65CSP681412-8	65FV6812303	65CSP681412-8/65FV6812303/A	65CSP681412-8/65FV6812303/B
65CSP681412-9	65FV6812304	65CSP681412-9/65FV6812304/A	65CSP681412-9/65FV6812304/B
65CSP681412-10	65FV6812305	65CSP681412-10/65FV6812305/A	65CSP681412-10/65FV6812305/B
65CSP681412-11	65FV6812306	65CSP681412-11/65FV6812306/A	65CSP681412-11/65FV6812306/B
65CSP681412-12	65FV6812307	65CSP681412-12/65FV6812307/A	65CSP681412-12/65FV6812307/B

SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681413-1	65FV6812308	65CSP681413-1/65FV6812308/A	65CSP681413-1/65FV6812308/B
65CSP681413-2	65FV6812301	65CSP681413-2/65FV6812301/A	65CSP681413-2/65FV6812301/B
65CSP681413-3	65FV6812317	65CSP681413-3/65FV6812317/A	65CSP681413-3/65FV6812317/B
65CSP681413-4	65FV6812318	65CSP681413-4/65FV6812318/A	65CSP681413-4/65FV6812318/B
65CSP681413-5	65FV6812300	65CSP681413-5/65FV6812300/A	65CSP681413-5/65FV6812300/B
65CSP681413-6	65FV6812309	65CSP681413-6/65FV6812309/A	65CSP681413-6/65FV6812309/B
65CSP681413-7	65FV6812316	65CSP681413-7/65FV6812316/A	65CSP681413-7/65FV6812316/B
65CSP681413-8	65FV6812312	65CSP681413-8/65FV6812312/A	65CSP681413-8/65FV6812312/B
65CSP681413-9	65FV6812313	65CSP681413-9/65FV6812313/A	65CSP681413-9/65FV6812313/B
65CSP681413-10	65FV6812319	65CSP681413-10/65FV6812319/A	65CSP681413-10/65FV6812319/B
65CSP681413-11	65FV6814135	65CSP681413-11/65FV6814135/A	65CSP681413-11/65FV6814135/B
65CSP681413-12	65FV6814136	65CSP681413-12/65FV6814136/A	65CSP681413-12/65FV6814136/B

SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681414-1	65FV6811301	65CSP681414-1/65FV6811301/A	65CSP681414-1/65FV6811301/B
65CSP681414-2	65FV6811302	65CSP681414-2/65FV6811302/A	65CSP681414-2/65FV6811302/B
65CSP681414-3	65FV6811303	65CSP681414-3/65FV6811303/A	65CSP681414-3/65FV6811303/B
65CSP681414-4	65FV6811304	65CSP681414-4/65FV6811304/A	65CSP681414-4/65FV6811304/B
65CSP681414-5	65FV6811305	65CSP681414-5/65FV6811305/A	65CSP681414-5/65FV6811305/B
65CSP681414-6	65FV6811306	65CSP681414-6/65FV6811306/A	65CSP681414-6/65FV6811306/B
65CSP681414-7	65FV6811307	65CSP681414-7/65FV6811307/A	65CSP681414-7/65FV6811307/B
65CSP681414-8	65FV6811308	65CSP681414-8/65FV6811308/A	65CSP681414-8/65FV6811308/B
65CSP681414-9	65FV6811309	65CSP681414-9/65FV6811309/A	65CSP681414-9/65FV6811309/B
65CSP681414-10	65FV6811310	65CSP681414-10/65FV6811310/A	65CSP681414-10/65FV6811310/B
65CSP681414-11	65FV6811311	65CSP681414-11/65FV6811311/A	65CSP681414-11/65FV6811311/B
65CSP681414-12	SPARE		

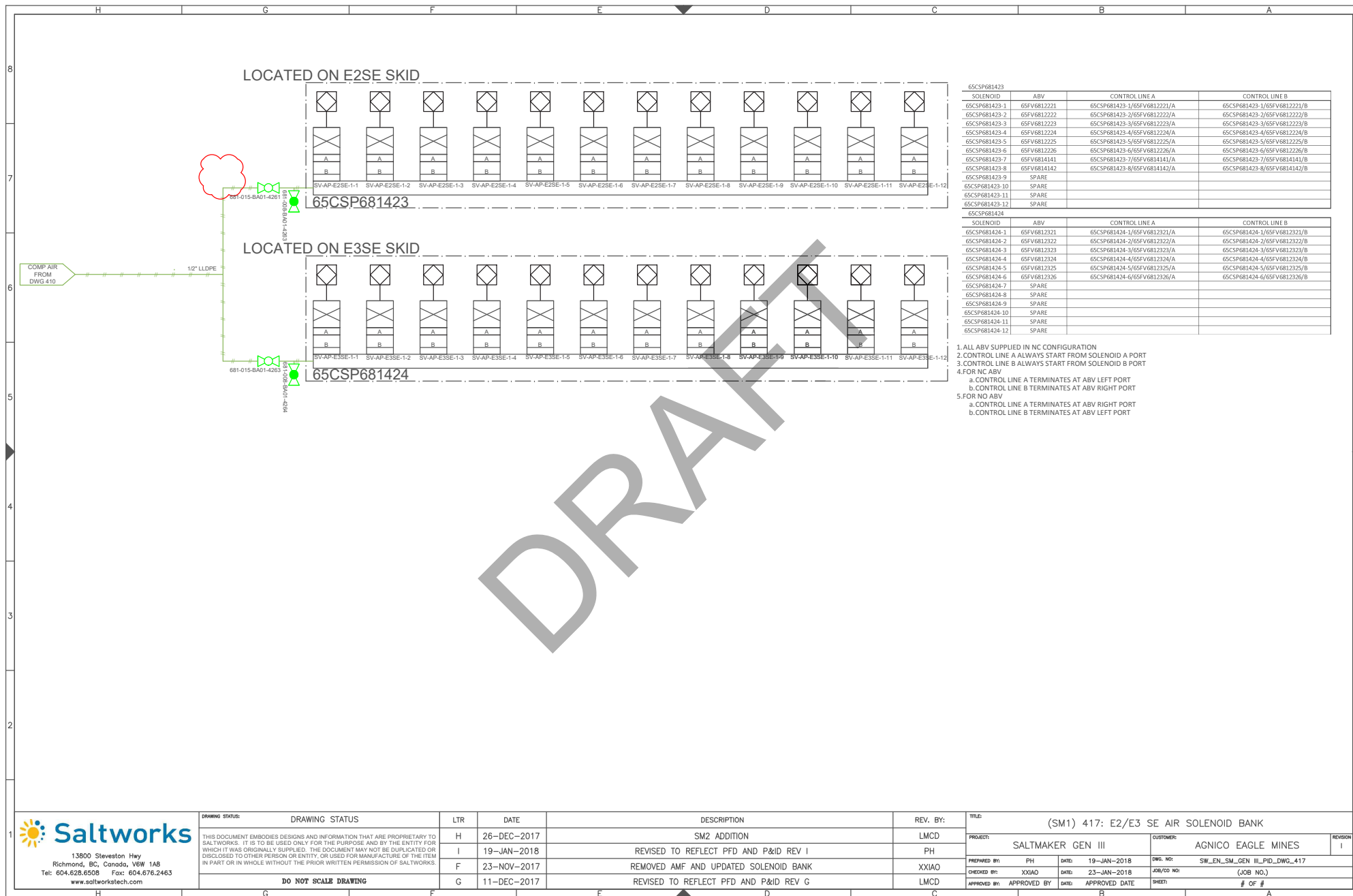
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681415-1	65FV6810623	65CSP681415-1/65FV6810623/A	65CSP681415-1/65FV6810623/B
65CSP681415-2	65FV6810624	65CSP681415-2/65FV6810624/A	65CSP681415-2/65FV6810624/B
65CSP681415-3	65FV6810625	65CSP681415-3/65FV6810625/A	65CSP681415-3/65FV6810625/B
65CSP681415-4	65FV6810626	65CSP681415-4/65FV6810626/A	65CSP681415-4/65FV6810626/B
65CSP681415-5	65FV6810631	65CSP681415-5/65FV6810631/A	65CSP681415-5/65FV6810631/B
65CSP681415-6		TBD - VALVE MAY NOT EXIST	
65CSP681415-7	65FV6810631	65CSP681415-7/65FV6810631/A	65CSP681415-7/65FV6810631/B
65CSP681415-8	65FV6810632	65CSP681415-8/65FV6810632/A	65CSP681415-8/65FV6810632/B
65CSP681415-9	65FV6810633	65CSP681415-9/65FV6810633/A	65CSP681415-9/65FV6810633/B
65CSP681415-10	65FV6810634	65CSP681415-10/65FV6810634/A	65CSP681415-10/65FV6810634/B
65CSP681415-11	65FV6810635	65CSP681415-11/65FV6810635/A	65CSP681415-11/65FV6810635/B
65CSP681415-12		TBD - VALVE MAY NOT EXIST	

1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
 - a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
 - b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
 - a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
 - b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

DRAWING STATUS	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:
H	26-DEC-2017	I	19-JAN-2018	SM2 ADDITION	LMCD
F	23-NOV-2017	F	23-NOV-2017	REVISED TO REFLECT PFD AND P&ID REV I	PH
G	11-DEC-2017	G	11-DEC-2017	UPDATED SOLENOID BANK	XXIAO
				REVISED TO REFLECT PFD AND P&ID REV G	LMCD

DO NOT SCALE DRAWING

TITLE:	(SM1) 416: BOP1 AIR SOLENOID BANK	PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION	1
PREPARED BY:	PH	DATE:	19-JAN-2018	DWG. NO.:	SW_EX_SM_GEN_III_PID_DWG_416		
CHECKED BY:	XXIAO	DATE:	23-JAN-2018	JOB/CD NO.:	(JOB NO.)		
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #		

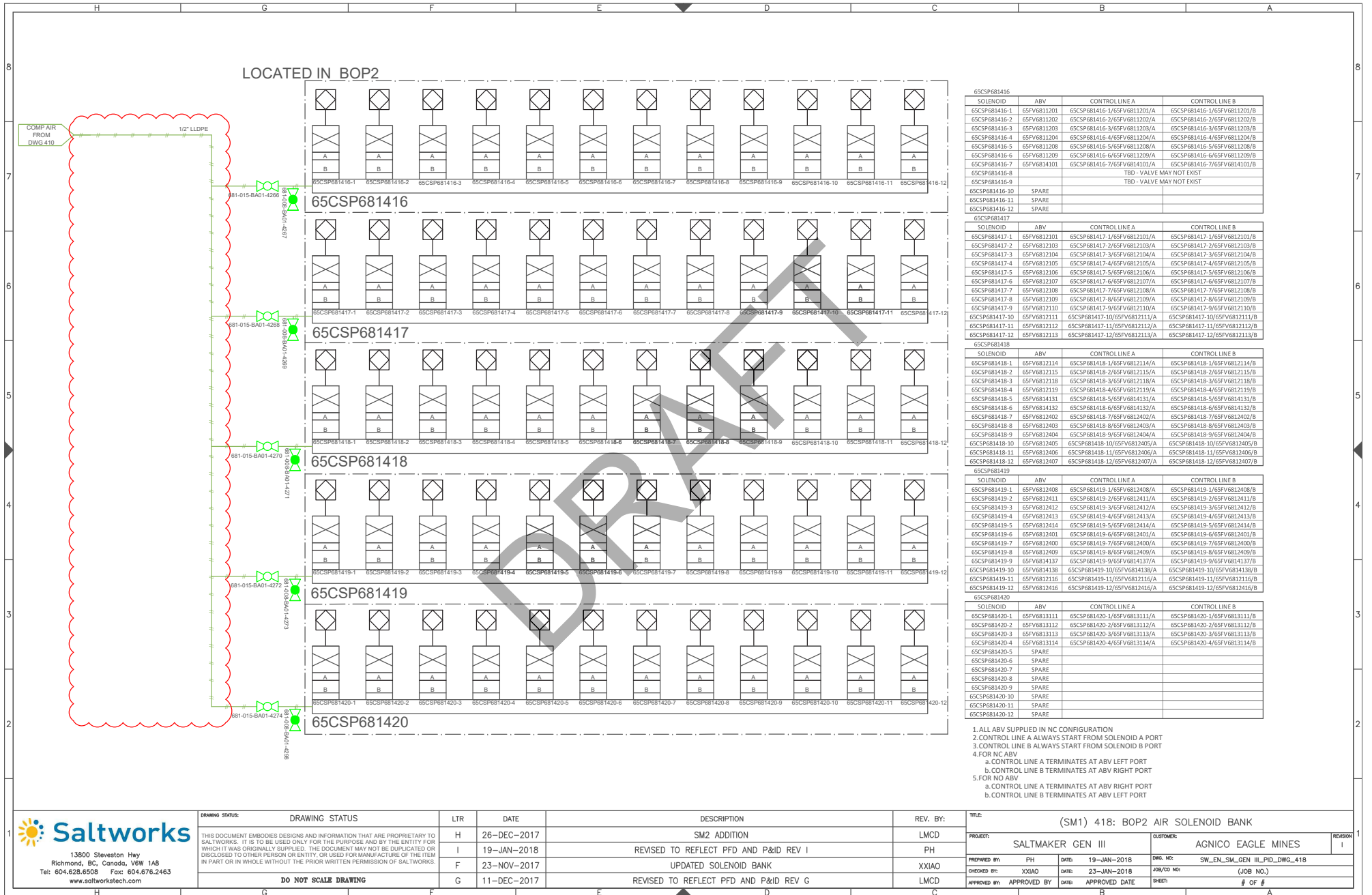


65CSP681423			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681423-1	65FV6812221	65CSP681423-1/65FV6812221/A	65CSP681423-1/65FV6812221/B
65CSP681423-2	65FV6812222	65CSP681423-2/65FV6812222/A	65CSP681423-2/65FV6812222/B
65CSP681423-3	65FV6812223	65CSP681423-3/65FV6812223/A	65CSP681423-3/65FV6812223/B
65CSP681423-4	65FV6812224	65CSP681423-4/65FV6812224/A	65CSP681423-4/65FV6812224/B
65CSP681423-5	65FV6812225	65CSP681423-5/65FV6812225/A	65CSP681423-5/65FV6812225/B
65CSP681423-6	65FV6812226	65CSP681423-6/65FV6812226/A	65CSP681423-6/65FV6812226/B
65CSP681423-7	65FV6814141	65CSP681423-7/65FV6814141/A	65CSP681423-7/65FV6814141/B
65CSP681423-8	65FV6814142	65CSP681423-8/65FV6814142/A	65CSP681423-8/65FV6814142/B
65CSP681423-9	SPARE		
65CSP681423-10	SPARE		
65CSP681423-11	SPARE		
65CSP681423-12	SPARE		

65CSP681424			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681424-1	65FV6812321	65CSP681424-1/65FV6812321/A	65CSP681424-1/65FV6812321/B
65CSP681424-2	65FV6812322	65CSP681424-2/65FV6812322/A	65CSP681424-2/65FV6812322/B
65CSP681424-3	65FV6812323	65CSP681424-3/65FV6812323/A	65CSP681424-3/65FV6812323/B
65CSP681424-4	65FV6812324	65CSP681424-4/65FV6812324/A	65CSP681424-4/65FV6812324/B
65CSP681424-5	65FV6812325	65CSP681424-5/65FV6812325/A	65CSP681424-5/65FV6812325/B
65CSP681424-6	65FV6812326	65CSP681424-6/65FV6812326/A	65CSP681424-6/65FV6812326/B
65CSP681424-7	SPARE		
65CSP681424-8	SPARE		
65CSP681424-9	SPARE		
65CSP681424-10	SPARE		
65CSP681424-11	SPARE		
65CSP681424-12	SPARE		

- 1. ALL ABV SUPPLIED IN NC CONFIGURATION
- 2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
- 3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
- 4. FOR NC ABV
 - a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
 - b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
- 5. FOR NO ABV
 - a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
 - b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

DRAWING STATUS		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM1) 417: E2/E3 SE AIR SOLENOID BANK			
THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.		H	26-DEC-2017	SM2 ADDITION	LMCD	PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES
		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	PREPARED BY:	PH	DATE:	19-JAN-2018
		F	23-NOV-2017	REMOVED AMF AND UPDATED SOLENOID BANK	XXIAO	CHECKED BY:	XXIAO	DATE:	23-JAN-2018
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE
		DO NOT SCALE DRAWING							
						DWG. NO:	SW_EN_SM_GEN III_PID_DWG_417	JOB/CD NO:	(JOB NO.)
						SHEET:	# OF #		



65CSP681416	ABV	CONTROL LINE A	CONTROL LINE B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681416-1	65FV681201	65CSP681416-1/65FV681201/A	65CSP681416-1/65FV681201/B
65CSP681416-2	65FV681202	65CSP681416-2/65FV681202/A	65CSP681416-2/65FV681202/B
65CSP681416-3	65FV681203	65CSP681416-3/65FV681203/A	65CSP681416-3/65FV681203/B
65CSP681416-4	65FV681204	65CSP681416-4/65FV681204/A	65CSP681416-4/65FV681204/B
65CSP681416-5	65FV681208	65CSP681416-5/65FV681208/A	65CSP681416-5/65FV681208/B
65CSP681416-6	65FV681209	65CSP681416-6/65FV681209/A	65CSP681416-6/65FV681209/B
65CSP681416-7	65FV6814101	65CSP681416-7/65FV6814101/A	65CSP681416-7/65FV6814101/B
65CSP681416-8		TBD - VALVE MAY NOT EXIST	
65CSP681416-9		TBD - VALVE MAY NOT EXIST	
65CSP681416-10	SPARE		
65CSP681416-11	SPARE		
65CSP681416-12	SPARE		

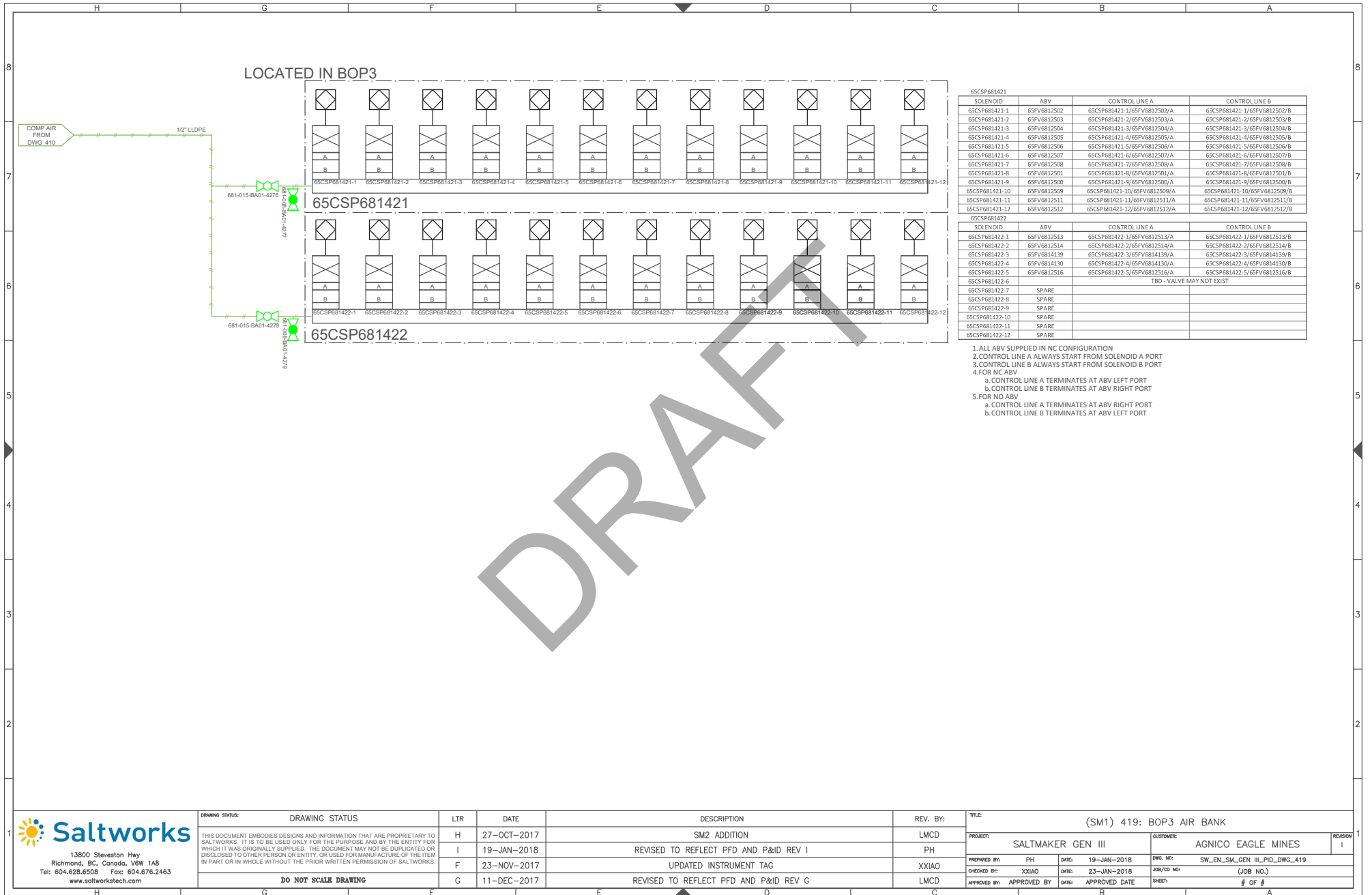
65CSP681417	ABV	CONTROL LINE A	CONTROL LINE B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681417-1	65FV6812101	65CSP681417-1/65FV6812101/A	65CSP681417-1/65FV6812101/B
65CSP681417-2	65FV6812103	65CSP681417-2/65FV6812103/A	65CSP681417-2/65FV6812103/B
65CSP681417-3	65FV6812104	65CSP681417-3/65FV6812104/A	65CSP681417-3/65FV6812104/B
65CSP681417-4	65FV6812105	65CSP681417-4/65FV6812105/A	65CSP681417-4/65FV6812105/B
65CSP681417-5	65FV6812106	65CSP681417-5/65FV6812106/A	65CSP681417-5/65FV6812106/B
65CSP681417-6	65FV6812107	65CSP681417-6/65FV6812107/A	65CSP681417-6/65FV6812107/B
65CSP681417-7	65FV6812108	65CSP681417-7/65FV6812108/A	65CSP681417-7/65FV6812108/B
65CSP681417-8	65FV6812109	65CSP681417-8/65FV6812109/A	65CSP681417-8/65FV6812109/B
65CSP681417-9	65FV6812110	65CSP681417-9/65FV6812110/A	65CSP681417-9/65FV6812110/B
65CSP681417-10	65FV6812111	65CSP681417-10/65FV6812111/A	65CSP681417-10/65FV6812111/B
65CSP681417-11	65FV6812112	65CSP681417-11/65FV6812112/A	65CSP681417-11/65FV6812112/B
65CSP681417-12	65FV6812113	65CSP681417-12/65FV6812113/A	65CSP681417-12/65FV6812113/B

65CSP681418	ABV	CONTROL LINE A	CONTROL LINE B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681418-1	65FV6812114	65CSP681418-1/65FV6812114/A	65CSP681418-1/65FV6812114/B
65CSP681418-2	65FV6812115	65CSP681418-2/65FV6812115/A	65CSP681418-2/65FV6812115/B
65CSP681418-3	65FV6812118	65CSP681418-3/65FV6812118/A	65CSP681418-3/65FV6812118/B
65CSP681418-4	65FV6812119	65CSP681418-4/65FV6812119/A	65CSP681418-4/65FV6812119/B
65CSP681418-5	65FV6814131	65CSP681418-5/65FV6814131/A	65CSP681418-5/65FV6814131/B
65CSP681418-6	65FV6814132	65CSP681418-6/65FV6814132/A	65CSP681418-6/65FV6814132/B
65CSP681418-7	65FV6812402	65CSP681418-7/65FV6812402/A	65CSP681418-7/65FV6812402/B
65CSP681418-8	65FV6812403	65CSP681418-8/65FV6812403/A	65CSP681418-8/65FV6812403/B
65CSP681418-9	65FV6812404	65CSP681418-9/65FV6812404/A	65CSP681418-9/65FV6812404/B
65CSP681418-10	65FV6812405	65CSP681418-10/65FV6812405/A	65CSP681418-10/65FV6812405/B
65CSP681418-11	65FV6812406	65CSP681418-11/65FV6812406/A	65CSP681418-11/65FV6812406/B
65CSP681418-12	65FV6812407	65CSP681418-12/65FV6812407/A	65CSP681418-12/65FV6812407/B

65CSP681419	ABV	CONTROL LINE A	CONTROL LINE B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681419-1	65FV6812408	65CSP681419-1/65FV6812408/A	65CSP681419-1/65FV6812408/B
65CSP681419-2	65FV6812411	65CSP681419-2/65FV6812411/A	65CSP681419-2/65FV6812411/B
65CSP681419-3	65FV6812412	65CSP681419-3/65FV6812412/A	65CSP681419-3/65FV6812412/B
65CSP681419-4	65FV6812413	65CSP681419-4/65FV6812413/A	65CSP681419-4/65FV6812413/B
65CSP681419-5	65FV6812414	65CSP681419-5/65FV6812414/A	65CSP681419-5/65FV6812414/B
65CSP681419-6	65FV6812401	65CSP681419-6/65FV6812401/A	65CSP681419-6/65FV6812401/B
65CSP681419-7	65FV6812400	65CSP681419-7/65FV6812400/A	65CSP681419-7/65FV6812400/B
65CSP681419-8	65FV6812409	65CSP681419-8/65FV6812409/A	65CSP681419-8/65FV6812409/B
65CSP681419-9	65FV6814137	65CSP681419-9/65FV6814137/A	65CSP681419-9/65FV6814137/B
65CSP681419-10	65FV6814138	65CSP681419-10/65FV6814138/A	65CSP681419-10/65FV6814138/B
65CSP681419-11	65FV6812116	65CSP681419-11/65FV6812116/A	65CSP681419-11/65FV6812116/B
65CSP681419-12	65FV6812416	65CSP681419-12/65FV6812416/A	65CSP681419-12/65FV6812416/B

65CSP681420	ABV	CONTROL LINE A	CONTROL LINE B
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681420-1	65FV6813111	65CSP681420-1/65FV6813111/A	65CSP681420-1/65FV6813111/B
65CSP681420-2	65FV6813112	65CSP681420-2/65FV6813112/A	65CSP681420-2/65FV6813112/B
65CSP681420-3	65FV6813113	65CSP681420-3/65FV6813113/A	65CSP681420-3/65FV6813113/B
65CSP681420-4	65FV6813114	65CSP681420-4/65FV6813114/A	65CSP681420-4/65FV6813114/B
65CSP681420-5	SPARE		
65CSP681420-6	SPARE		
65CSP681420-7	SPARE		
65CSP681420-8	SPARE		
65CSP681420-9	SPARE		
65CSP681420-10	SPARE		
65CSP681420-11	SPARE		
65CSP681420-12	SPARE		

1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
 - a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
 - b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
 - a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
 - b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

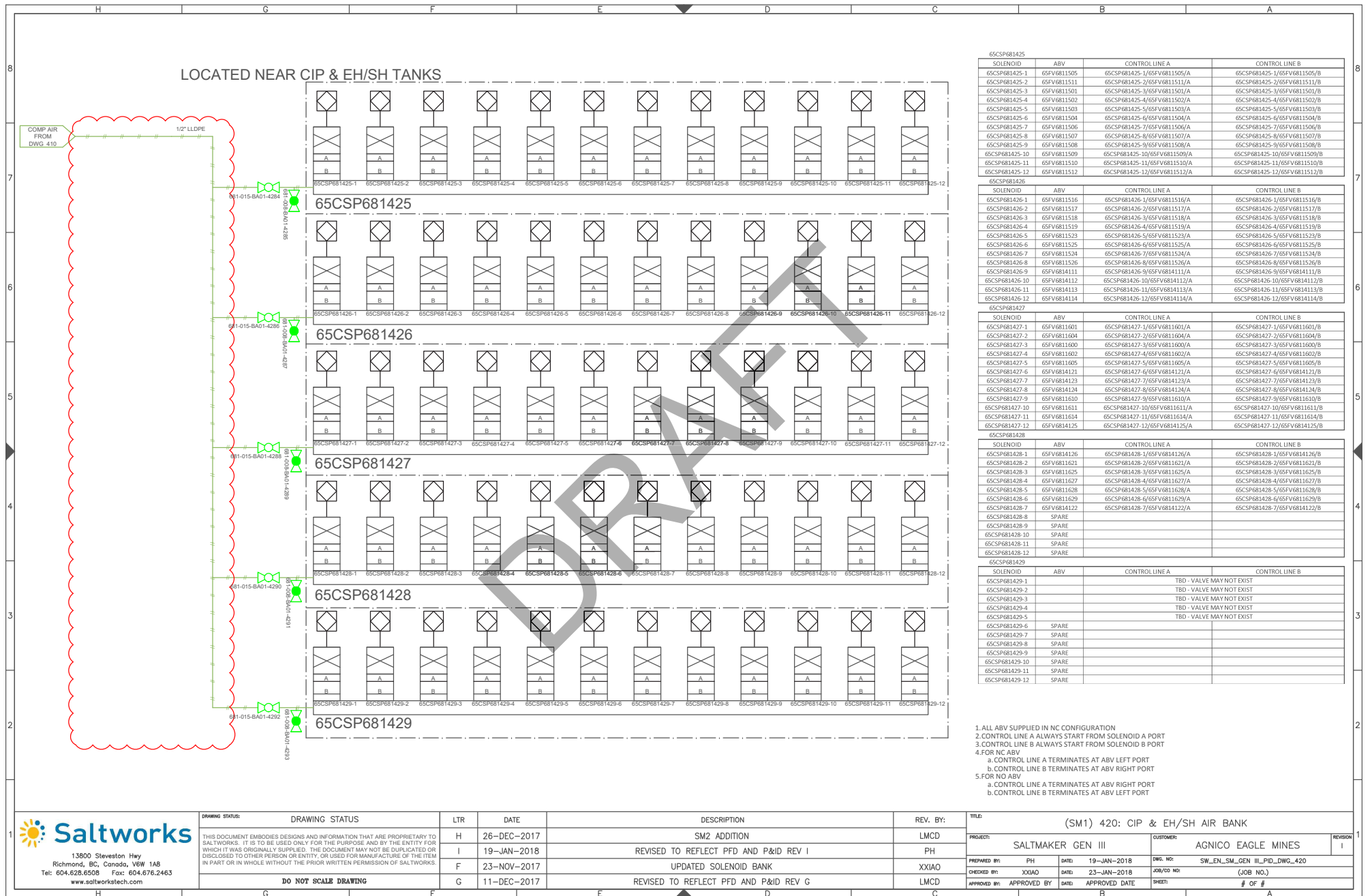


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www.saltworkstech.com

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	I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	
	F	23-NOV-2017	UPDATED INSTRUMENT TAG	XXIAO	
	G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	
DO NOT SCALE DRAWING					

LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
H	27-OCT-2017	SM2 ADDITION	LMCD	(SM1) 419: BOP3 AIR BANK
I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	
F	23-NOV-2017	UPDATED INSTRUMENT TAG	XXIAO	
G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	

PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION:	I
PREPARED BY:	PH	DATE:	19-JAN-2018	DWG. NO:	SW_EN_SM_GEN III_PID_DWG_419
CHECKED BY:	XXIAO	DATE:	23-JAN-2018	JOB/CD NO:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #



65CSP681425		CONTROL LINE A		CONTROL LINE B	
SOLENOID	ABV	CONTROL LINE A		CONTROL LINE B	
65CSP681425-1	65FV6811505	65CSP681425-1/65FV6811505/A		65CSP681425-1/65FV6811505/B	
65CSP681425-2	65FV6811511	65CSP681425-2/65FV6811511/A		65CSP681425-2/65FV6811511/B	
65CSP681425-3	65FV6811501	65CSP681425-3/65FV6811501/A		65CSP681425-3/65FV6811501/B	
65CSP681425-4	65FV6811502	65CSP681425-4/65FV6811502/A		65CSP681425-4/65FV6811502/B	
65CSP681425-5	65FV6811503	65CSP681425-5/65FV6811503/A		65CSP681425-5/65FV6811503/B	
65CSP681425-6	65FV6811504	65CSP681425-6/65FV6811504/A		65CSP681425-6/65FV6811504/B	
65CSP681425-7	65FV6811506	65CSP681425-7/65FV6811506/A		65CSP681425-7/65FV6811506/B	
65CSP681425-8	65FV6811507	65CSP681425-8/65FV6811507/A		65CSP681425-8/65FV6811507/B	
65CSP681425-9	65FV6811508	65CSP681425-9/65FV6811508/A		65CSP681425-9/65FV6811508/B	
65CSP681425-10	65FV6811509	65CSP681425-10/65FV6811509/A		65CSP681425-10/65FV6811509/B	
65CSP681425-11	65FV6811510	65CSP681425-11/65FV6811510/A		65CSP681425-11/65FV6811510/B	
65CSP681425-12	65FV6811512	65CSP681425-12/65FV6811512/A		65CSP681425-12/65FV6811512/B	

SOLENOID		CONTROL LINE A		CONTROL LINE B	
65CSP681426-1	65FV6811516	65CSP681426-1/65FV6811516/A	65CSP681426-1/65FV6811516/B		
65CSP681426-2	65FV6811517	65CSP681426-2/65FV6811517/A	65CSP681426-2/65FV6811517/B		
65CSP681426-3	65FV6811518	65CSP681426-3/65FV6811518/A	65CSP681426-3/65FV6811518/B		
65CSP681426-4	65FV6811519	65CSP681426-4/65FV6811519/A	65CSP681426-4/65FV6811519/B		
65CSP681426-5	65FV6811523	65CSP681426-5/65FV6811523/A	65CSP681426-5/65FV6811523/B		
65CSP681426-6	65FV6811525	65CSP681426-6/65FV6811525/A	65CSP681426-6/65FV6811525/B		
65CSP681426-7	65FV6811528	65CSP681426-7/65FV6811528/A	65CSP681426-7/65FV6811528/B		
65CSP681426-8	65FV6811526	65CSP681426-8/65FV6811526/A	65CSP681426-8/65FV6811526/B		
65CSP681426-9	65FV6811111	65CSP681426-9/65FV6811111/A	65CSP681426-9/65FV6811111/B		
65CSP681426-10	65FV6811112	65CSP681426-10/65FV6811112/A	65CSP681426-10/65FV6811112/B		
65CSP681426-11	65FV6811113	65CSP681426-11/65FV6811113/A	65CSP681426-11/65FV6811113/B		
65CSP681426-12	65FV6811114	65CSP681426-12/65FV6811114/A	65CSP681426-12/65FV6811114/B		

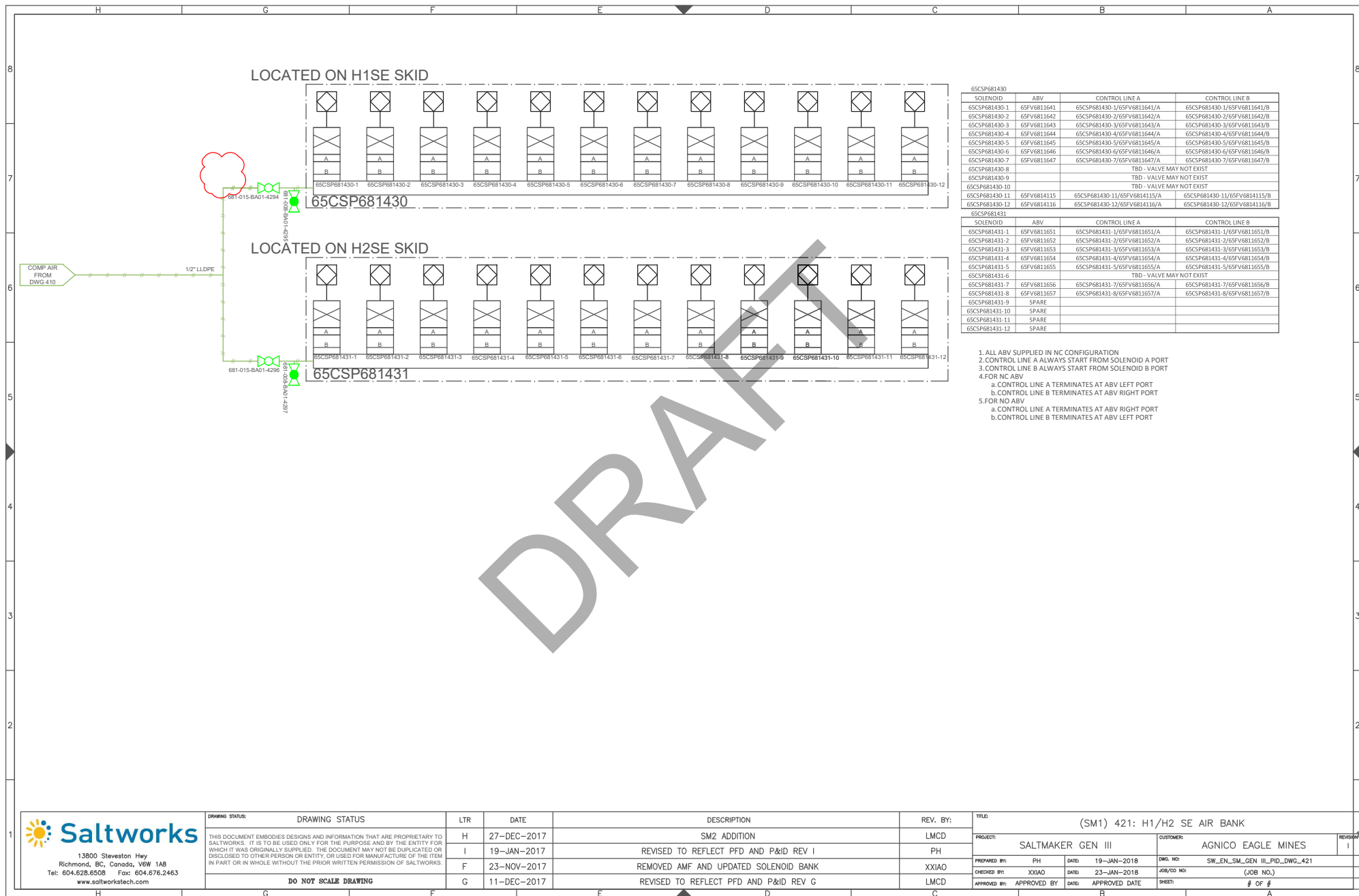
SOLENOID		ABV	CONTROL LINE A		CONTROL LINE B	
65CSP681427-1	65FV6811601	65CSP681427-1/65FV6811601/A			65CSP681427-1/65FV6811601/B	
65CSP681427-2	65FV6811604	65CSP681427-2/65FV6811604/A			65CSP681427-2/65FV6811604/B	
65CSP681427-3	65FV6811600	65CSP681427-3/65FV6811600/A			65CSP681427-3/65FV6811600/B	
65CSP681427-4	65FV6811602	65CSP681427-4/65FV6811602/A			65CSP681427-4/65FV6811602/B	
65CSP681427-5	65FV6811605	65CSP681427-5/65FV6811605/A			65CSP681427-5/65FV6811605/B	
65CSP681427-6	65FV6811611	65CSP681427-6/65FV6811611/A			65CSP681427-6/65FV6811611/B	
65CSP681427-7	65FV6811613	65CSP681427-7/65FV6811613/A			65CSP681427-7/65FV6811613/B	
65CSP681427-8	65FV6811614	65CSP681427-8/65FV6811614/A			65CSP681427-8/65FV6811614/B	
65CSP681427-9	65FV6811610	65CSP681427-9/65FV6811610/A			65CSP681427-9/65FV6811610/B	
65CSP681427-10	65FV6811611	65CSP681427-10/65FV6811611/A			65CSP681427-10/65FV6811611/B	
65CSP681427-11	65FV6811614	65CSP681427-11/65FV6811614/A			65CSP681427-11/65FV6811614/B	
65CSP681427-12	65FV6811615	65CSP681427-12/65FV6811615/A			65CSP681427-12/65FV6811615/B	

SOLENOID		CONTROL LINE A		CONTROL LINE B		
65CSP681428-1	65FV6811626	65CSP681428-1/65FV6811626/A	65CSP681428-1/65FV6811626/B			
65CSP681428-2	65FV6811621	65CSP681428-2/65FV6811621/A	65CSP681428-2/65FV6811621/B			
65CSP681428-3	65FV6811625	65CSP681428-3/65FV6811625/A	65CSP681428-3/65FV6811625/B			
65CSP681428-4	65FV6811627	65CSP681428-4/65FV6811627/A	65CSP681428-4/65FV6811627/B			
65CSP681428-5	65FV6811628	65CSP681428-5/65FV6811628/A	65CSP681428-5/65FV6811628/B			
65CSP681428-6	65FV6811629	65CSP681428-6/65FV6811629/A	65CSP681428-6/65FV6811629/B			
65CSP681428-7	65FV6811622	65CSP681428-7/65FV6811622/A	65CSP681428-7/65FV6811622/B			
65CSP681428-8	SPARE					
65CSP681428-9	SPARE					
65CSP681428-10	SPARE					
65CSP681428-11	SPARE					
65CSP681428-12	SPARE					

SOLENOID		ABV	CONTROL LINE A	CONTROL LINE B
65CSP681429-1			TBD - VALVE MAY NOT EXIST	
65CSP681429-2			TBD - VALVE MAY NOT EXIST	
65CSP681429-3			TBD - VALVE MAY NOT EXIST	
65CSP681429-4			TBD - VALVE MAY NOT EXIST	
65CSP681429-5			TBD - VALVE MAY NOT EXIST	
65CSP681429-6		SPARE		
65CSP681429-7		SPARE		
65CSP681429-8		SPARE		
65CSP681429-9		SPARE		
65CSP681429-10		SPARE		
65CSP681429-11		SPARE		
65CSP681429-12		SPARE		

1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

 13600 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:	TITLE	PROJECT	CUSTOMER	REVISION
	DRAWING STATUS	H	26-DEC-2017	SM2 ADDITION	LMCD	(SM1) 420: CIP & EH/SH AIR BANK	SALTMAKER GEN III	AGNICO EAGLE MINES	
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	DO NOT SCALE DRAWING	F	23-NOV-2017	UPDATED SOLENOID BANK	XXIAO				
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD				





COMPRESSED AIR - SM2
REVISION I

 AGNICO EAGLE	Vendor Document Status
1 ☒ Proceed to next submission and status. 2 ☐ Proceed with exceptions as noted to next submission and status. 3 ☐ Do not proceed. Revise as noted and resubmit next submission and status. 4 ☐ Complete, no further submission required.	
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Agnico Eagle No. 6515-S-265-069-205-PID-0008 R: Sub001	
DOCUMENT FOR INFORMATION	

DRAWING STATUS:	DRAWING STATUS		LTR	DATE	DESCRIPTION	REV. BY:	TITLE					
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	G	09-DEC-2017	PI RANGES, VALVE TYPE, AS BUILT UPDATES			JLAU				I		
	H	22-DEC-2017	AS MARKED BY REVISION CLOUDS			JLAU	PREPARED BY: JLAU	DATE: 1-SEP-2017	DWG. NO:	COVER SHEET		
	I	19-JAN-2018	AS MARKED BY REVISION CLOUDS			JLAU	CHECKED BY: MLOW	DATE: 5-SEP-2017	JOB/CO NO:	(JOB NO.)		
DO NOT SCALE DRAWING							APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #

DRAWING LIST 1

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
		COVER SHEET	35	SW_EN_SM_AEM-01_PID_SM1_DWG_230	EFFECT 3 TANK AND PUMPS
		DRAWING LIST 1	36	SW_EN_SM_AEM-01_PID_SM1_DWG_231	EFFECT 3 MODULES
		DRAWING LIST 2	37	SW_EN_SM_AEM-01_PID_SM1_DWG_232	EFFECT 3 SOLIDS EXTRACTION
		LEGEND	38	SW_EN_SM_AEM-01_PID_SM1_DWG_233	EFFECT 3 PUMP SEAL FLUSH
			39	SW_EN_SM_AEM-01_PID_SM1_DWG_234	EFFECT 3 AIR SEALS
		<u>COMMON</u>			
1	SW_EN_SM_AEM-01_PID_COMMON_DWG_000	MASTER PFD	40	SW_EN_SM_AEM-01_PID_SM1_DWG_240	EFFECT 4 TANK AND PUMPS
2	SW_EN_SM_AEM-01_PID_COMMON_DWG_010	PROCESS FLOW DIAGRAM	41	SW_EN_SM_AEM-01_PID_SM1_DWG_241	EFFECT 4 MODULES
3	SW_EN_SM_AEM-01_PID_COMMON_DWG_020	CONTAINER LAYOUT	42	SW_EN_SM_AEM-01_PID_SM1_DWG_243	EFFECT 4 PUMP SEAL FLUSH
4	SW_EN_SM_AEM-01_PID_COMMON_DWG_030	MODULES LAYOUT	43	SW_EN_SM_AEM-01_PID_SM1_DWG_244	EFFECT 4 AIR SEALS
5	SW_EN_SM_AEM-01_PID_COMMON_DWG_040	PLANT FEED TANKS			
6	SW_EN_SM_AEM-01_PID_COMMON_DWG_041	PLANT FEED PUMP SKIDS	44	SW_EN_SM_AEM-01_PID_SM1_DWG_250	EFFECT 5 TANK AND PUMPS
7	SW_EN_SM_AEM-01_PID_COMMON_DWG_050	CLEAN RESERVE AND BLOWDOWN SYSTEMS	45	SW_EN_SM_AEM-01_PID_SM1_DWG_251	EFFECT 5 MODULES
8	SW_EN_SM_AEM-01_PID_COMMON_DWG_060	ACID DOSING SYSTEM	46	SW_EN_SM_AEM-01_PID_SM1_DWG_253	EFFECT 5 PUMP SEAL FLUSH
9	SW_EN_SM_AEM-01_PID_COMMON_DWG_061	BASE DOSING SYSTEM	47	SW_EN_SM_AEM-01_PID_SM1_DWG_254	EFFECT 5 AIR SEALS
10	SW_EN_SM_AEM-01_PID_COMMON_DWG_062	BIOCIDE DOSING SYSTEM			
11	SW_EN_SM_AEM-01_PID_COMMON_DWG_063	ANTIFOAM DOSING SYSTEM			<u>THERMAL SYSTEM</u>
12	SW_EN_SM_AEM-01_PID_COMMON_DWG_064	ANTISCALANT DOSING SYSTEM	48	SW_EN_SM_AEM-01_PID_DWG_310	THERMAL SKID: WATER LOOP
13	SW_EN_SM_AEM-01_PID_COMMON_DWG_070	UTILITY WATER DISTRIBUTION	49	SW_EN_SM_AEM-01_PID_DWG_311	THERMAL SKID: WATER LOOP
			50	SW_EN_SM_AEM-01_PID_DWG_312	THERMAL SKID: GYLCOL LOOP
		<u>SALTMAKER 1 (SM1)</u>			
14	SW_EN_SM_AEM-01_PID_SM1_DWG_110	THERMAL SOURCE PRIMARY HEAT EXCHANGERS			<u>POST TREATMENT</u>
15	SW_EN_SM_AEM-01_PID_SM1_DWG_120	CONDENSED WATER SYSTEM	51	SW_EN_SM_AEM-01_PID_COMMON_DWG_320	NITRITE DESTRUCTION AND RO PC SYSTEM
16	SW_EN_SM_AEM-01_PID_SM1_DWG_130	FEED DISTRIBUTION	52	SW_EN_SM_AEM-01_PID_COMMON_DWG_321	AMMONIA DESTRUCTION SYSTEM
17	SW_EN_SM_AEM-01_PID_SM1_DWG_150	CIP TANKS	53	SW_EN_SM_AEM-01_PID_COMMON_DWG_322	RO BRINE FLUSH TANK
18	SW_EN_SM_AEM-01_PID_SM1_DWG_151	CIP PUMP SKID	54	SW_EN_SM_AEM-01_PID_COMMON_DWG_323	RO PERMEATE TANK
19	SW_EN_SM_AEM-01_PID_SM1_DWG_160	EFFECT HOLD 1			
20	SW_EN_SM_AEM-01_PID_SM1_DWG_161	EFFECT HOLD 2			<u>COMPRESSED AIR-COMMON PACKAGE</u>
21	SW_EN_SM_AEM-01_PID_SM1_DWG_162	SYSTEM HOLD	55	SW_EN_SM_AEM-01_PID_COMPRESSED	COMPRESSED AIR SYSTEM
22	SW_EN_SM_AEM-01_PID_SM1_DWG_163	CALCIUM EXTRACTION		AIR-COMMON_DWG_400	
23	SW_EN_SM_AEM-01_PID_SM1_DWG_164	EH1 SOLIDS EXTRACTION	56	SW_EN_SM_AEM-01_PID_COMPRESSED	AMMONIA DES, BRINE BLOWDOWN AND PLANT
24	SW_EN_SM_AEM-01_PID_SM1_DWG_165	EH2 SOLIDS EXTRACTION		AIR-COMMON_DWG_401	FEED AIR
25	SW_EN_SM_AEM-01_PID_SM1_DWG_180	DRIP TRAYS	57	SW_EN_SM_AEM-01_PID_COMPRESSED	CHEMICAL DOSING AND ANCILLARY STAND PIPE
				AIR-COMMON_DWG_402	AIR
26	SW_EN_SM_AEM-01_PID_SM1_DWG_210	EFFECT 1 TANK AND PUMPS	58	SW_EN_SM_AEM-01_PID_COMPRESSED	COMMON AND POST TREATMENT AIR BANK
27	SW_EN_SM_AEM-01_PID_SM1_DWG_211	EFFECT 1 MODULES		AIR-COMMON_DWG_403	
28	SW_EN_SM_AEM-01_PID_SM1_DWG_213	EFFECT 1 PUMP SEAL FLUSH			<u>COMPRESSED AIR-SM1</u>
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS			SM INSTRUMENT AND PROCESS AIR
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS	59	SW_EN_SM_AEM-01_PID_COMPRESSED	EH1/EH2 EXTRACT AND CIP AIR
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES		AIR-SM1_DWG_410	
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION	60	SW_EN_SM_AEM-01_PID_COMPRESSED	
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH		AIR-SM1_DWG_411	
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS			



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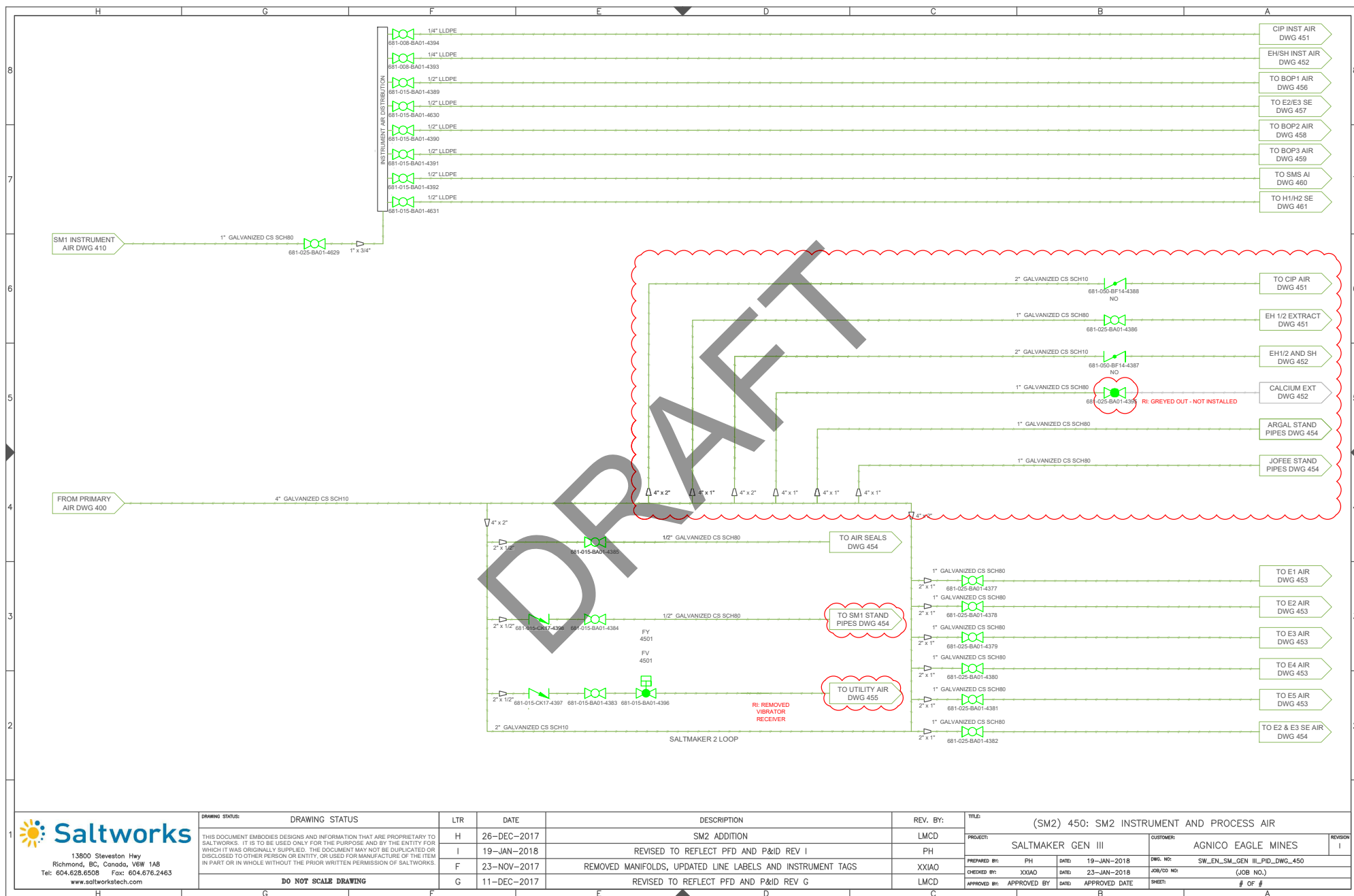
DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
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	G	09-DEC-2017	NO CHANGES	-	PROJECT: SALTMAKER GEN III
	H	22-DEC-2017	ADDED SM2	JLAU	CUSTOMER: AGNICO EAGLE MINES
	I	19-JAN-2018	UPDATED DWG NUMBERS	JLAU	REVISION: 1
DO NOT SCALE DRAWING					PREPARED BY: JLAU
					DATE: 01-SEP-2017
					DWG. NO: DRAWING LIST 1
					CHECKED BY: MLOW
					DATE: 05-SEP-2017
					JOB/CO NO: (JOB NO.)
					APPROVED BY: APPROVED BY
					DATE: APPROVED DATE
					SHEET: # OF #

DRAWING LIST 2

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
61	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_412	EH1/EH2 EXTRACT AND CIP AIR	83	SW_EN_SM_AEM-01_PID_SM2_DWG_510	SALTMAKER 2 (SM2)
62	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_413	PLUG PREVENTION PUMP AIR	84	SW_EN_SM_AEM-01_PID_SM2_DWG_520	THERMAL SOURCE PRIMARY HEAT EXCHANGERS
63	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_414	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	85	SW_EN_SM_AEM-01_PID_SM2_DWG_530	CONDENSED WATER SYSTEM
64	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_415	UTILITY AIR	86	SW_EN_SM_AEM-01_PID_SM2_DWG_550	FEED DISTRIBUTION
65	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_416	BOP1 AIR SOLENOID BANK	87	SW_EN_SM_AEM-01_PID_SM2_DWG_551	CIP TANKS
66	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_417	E2/E3 SE AIR SOLENOID BANK	88	SW_EN_SM_AEM-01_PID_SM2_DWG_560	CIP PUMP SKID
67	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_418	BOP2 AIR SOLENOID BANK	89	SW_EN_SM_AEM-01_PID_SM2_DWG_561	EFFECT HOLD 1
68	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_419	BOP3 AIR SOLENOID BANK	90	SW_EN_SM_AEM-01_PID_SM2_DWG_562	EFFECT HOLD 2
69	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_420	CIP, EH/SY AIR SOLENOID BANK	91	SW_EN_SM_AEM-01_PID_SM2_DWG_563	SYSTEM HOLD
70	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_421	H1/H2 SE AIR SOLENOID BANK	92	SW_EN_SM_AEM-01_PID_SM2_DWG_564	CALCIUM EXTRACTION
		COMPRESSED AIR-SM2	93	SW_EN_SM_AEM-01_PID_SM2_DWG_565	EH1 SOLIDS EXTRACTION
71	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_450	SM INSTRUMENT AND PROCESS AIR	94	SW_EN_SM_AEM-01_PID_SM2_DWG_580	EH2 SOLIDS EXTRACTION
72	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_451	EH1/EH2 EXTRACT AND CIP AIR			DRIP TRAYS
73	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_452	EFFECT/SYSTEM HOLD AND CAL EXTRACTION AIR	95	SW_EN_SM_AEM-01_PID_SM2_DWG_610	EFFECT 1 TANK AND PUMPS
74	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_453	PLUG PREVENTION PUMP AIR	96	SW_EN_SM_AEM-01_PID_SM2_DWG_611	EFFECT 1 MODULES
75	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_454	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	97	SW_EN_SM_AEM-01_PID_SM2_DWG_613	EFFECT 1 PUMP SEAL FLUSH
76	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_455	UTILITY AIR	98	SW_EN_SM_AEM-01_PID_SM2_DWG_614	EFFECT 1 AIR SEALS
77	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_456	BOP1 AIR SOLENOID BANK	99	SW_EN_SM_AEM-01_PID_SM2_DWG_620	EFFECT 2 TANK AND PUMPS
78	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_457	E2/E3 SE AIR SOLENOID BANK	100	SW_EN_SM_AEM-01_PID_SM2_DWG_621	EFFECT 2 MODULES
79	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_458	BOP2 AIR SOLENOID BANK	101	SW_EN_SM_AEM-01_PID_SM2_DWG_622	EFFECT 2 SOLIDS EXTRACTION
80	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_459	BOP3 AIR SOLENOID BANK	102	SW_EN_SM_AEM-01_PID_SM2_DWG_623	EFFECT 2 PUMP SEAL FLUSH
81	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_460	CIP, EH/SY AIR SOLENOID BANK	103	SW_EN_SM_AEM-01_PID_SM2_DWG_624	EFFECT 2 AIR SEALS
82	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_461	H1/H2 SE AIR SOLENOID BANK	104	SW_EN_SM_AEM-01_PID_SM2_DWG_630	EFFECT 3 TANK AND PUMPS
			105	SW_EN_SM_AEM-01_PID_SM2_DWG_631	EFFECT 3 MODULES
			106	SW_EN_SM_AEM-01_PID_SM2_DWG_632	EFFECT 3 SOLIDS EXTRACTION
			107	SW_EN_SM_AEM-01_PID_SM2_DWG_633	EFFECT 3 PUMP SEAL FLUSH
			108	SW_EN_SM_AEM-01_PID_SM2_DWG_634	EFFECT 3 AIR SEALS
			109	SW_EN_SM_AEM-01_PID_SM2_DWG_640	EFFECT 4 TANK AND PUMPS
			110	SW_EN_SM_AEM-01_PID_SM2_DWG_641	EFFECT 4 MODULES
			111	SW_EN_SM_AEM-01_PID_SM2_DWG_643	EFFECT 4 PUMP SEAL FLUSH
			112	SW_EN_SM_AEM-01_PID_SM2_DWG_644	EFFECT 4 AIR SEALS
			113	SW_EN_SM_AEM-01_PID_SM2_DWG_650	EFFECT 5 TANK AND PUMPS
			114	SW_EN_SM_AEM-01_PID_SM2_DWG_651	EFFECT 5 MODULES
			115	SW_EN_SM_AEM-01_PID_SM2_DWG_653	EFFECT 5 PUMP SEAL FLUSH
			116	SW_EN_SM_AEM-01_PID_SM2_DWG_654	EFFECT 5 AIR SEALS

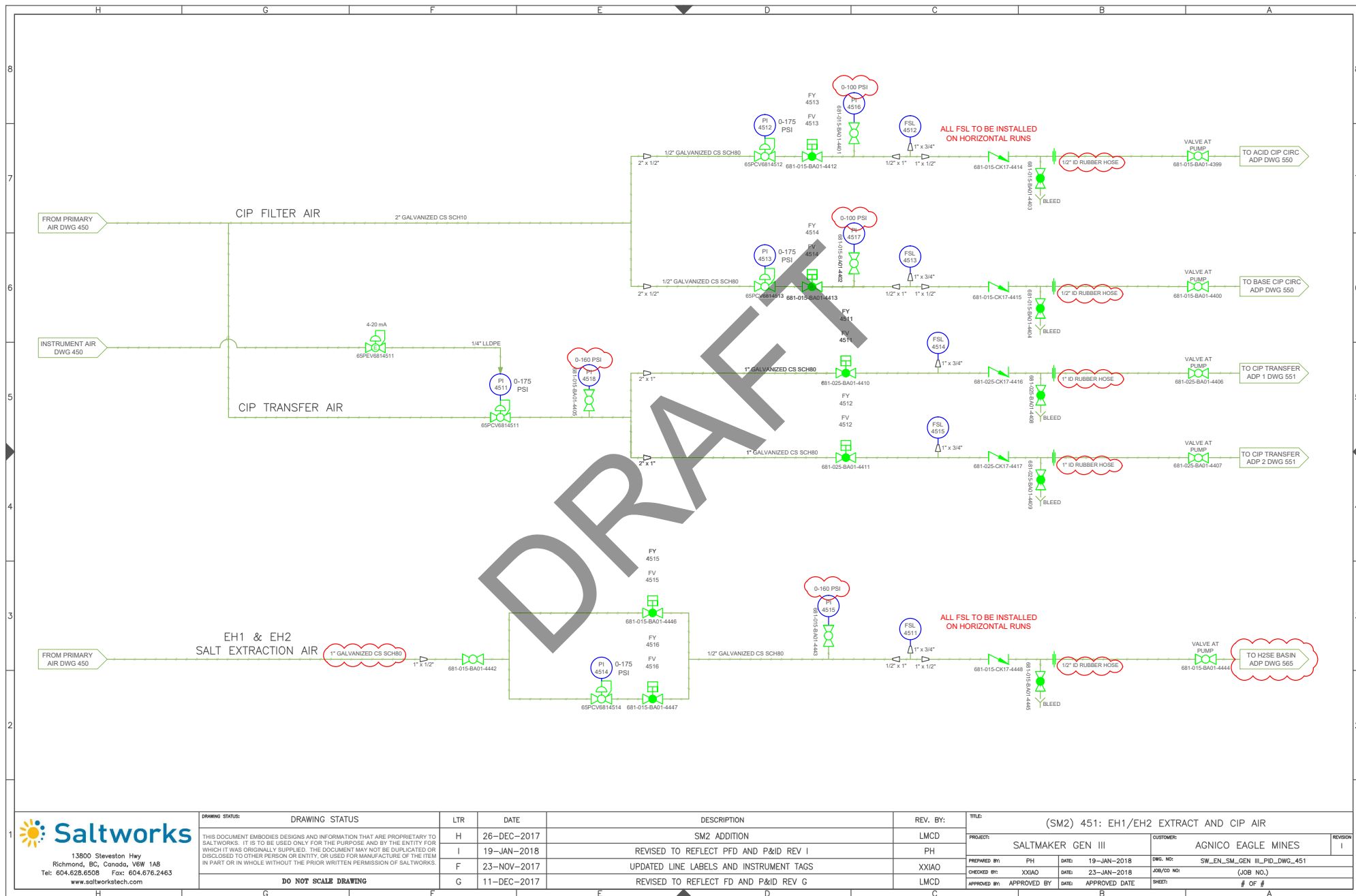
 Saltworks 13900 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS:	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:			
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		G	09-DEC-2017	NO CHANGES	-	PROJECT: SALTMAKER GEN III			
		H	22-DEC-2017	ADDED SM2	JLAU	CUSTOMER: AGNICO EAGLE MINES			
		I	19-JAN-2018	UPDATED DWG NUMBERS	JLAU	REVISION: 1			
DO NOT SCALE DRAWING						PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO:	DRAWING LIST 2
						CHECKED BY: MLOW	DATE: 05-SEP-2017	JOB/CD NO:	(JOB NO.)
						APPROVED BY:	APPROVED DATE	SHEET:	# OF #





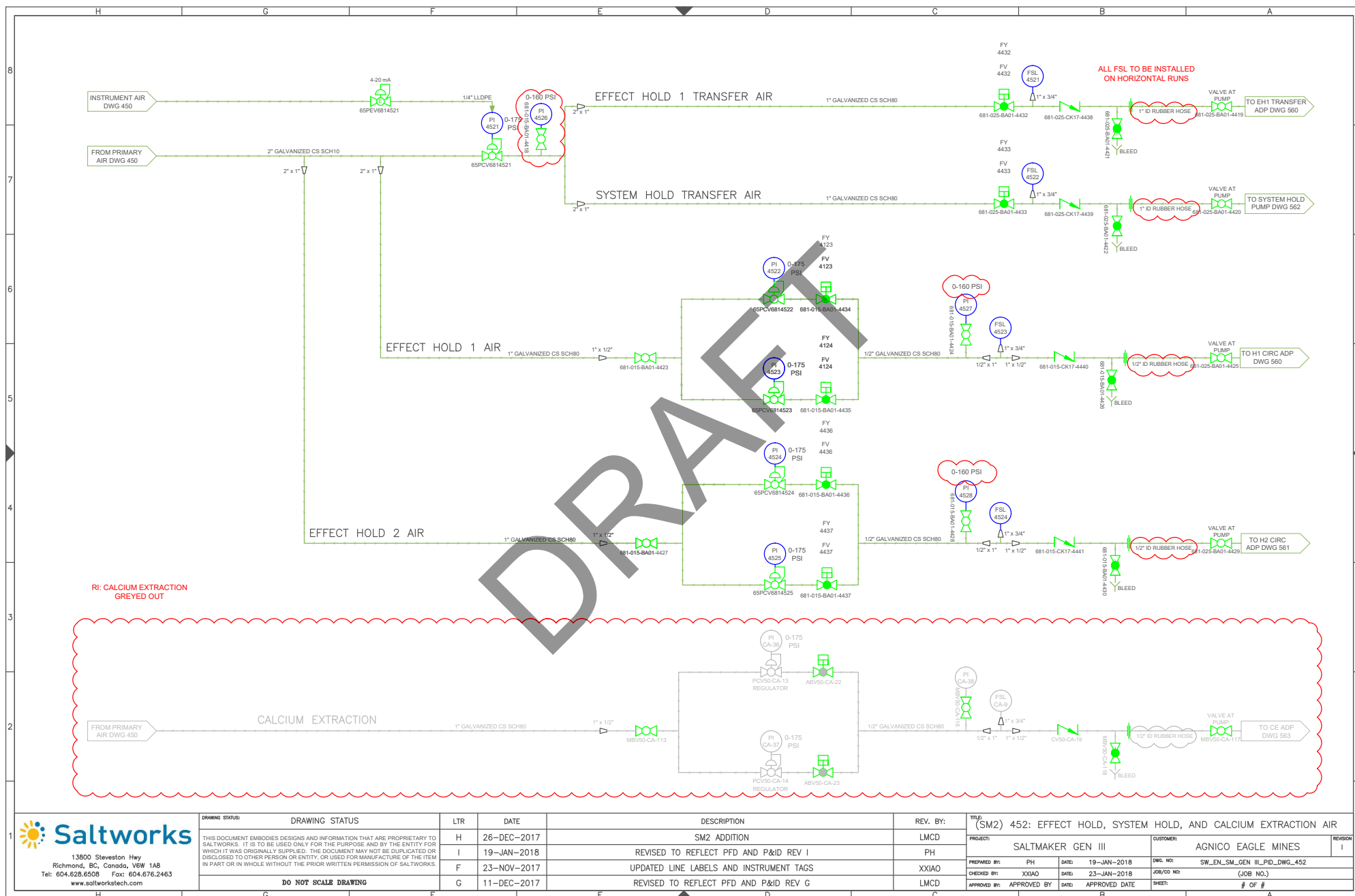
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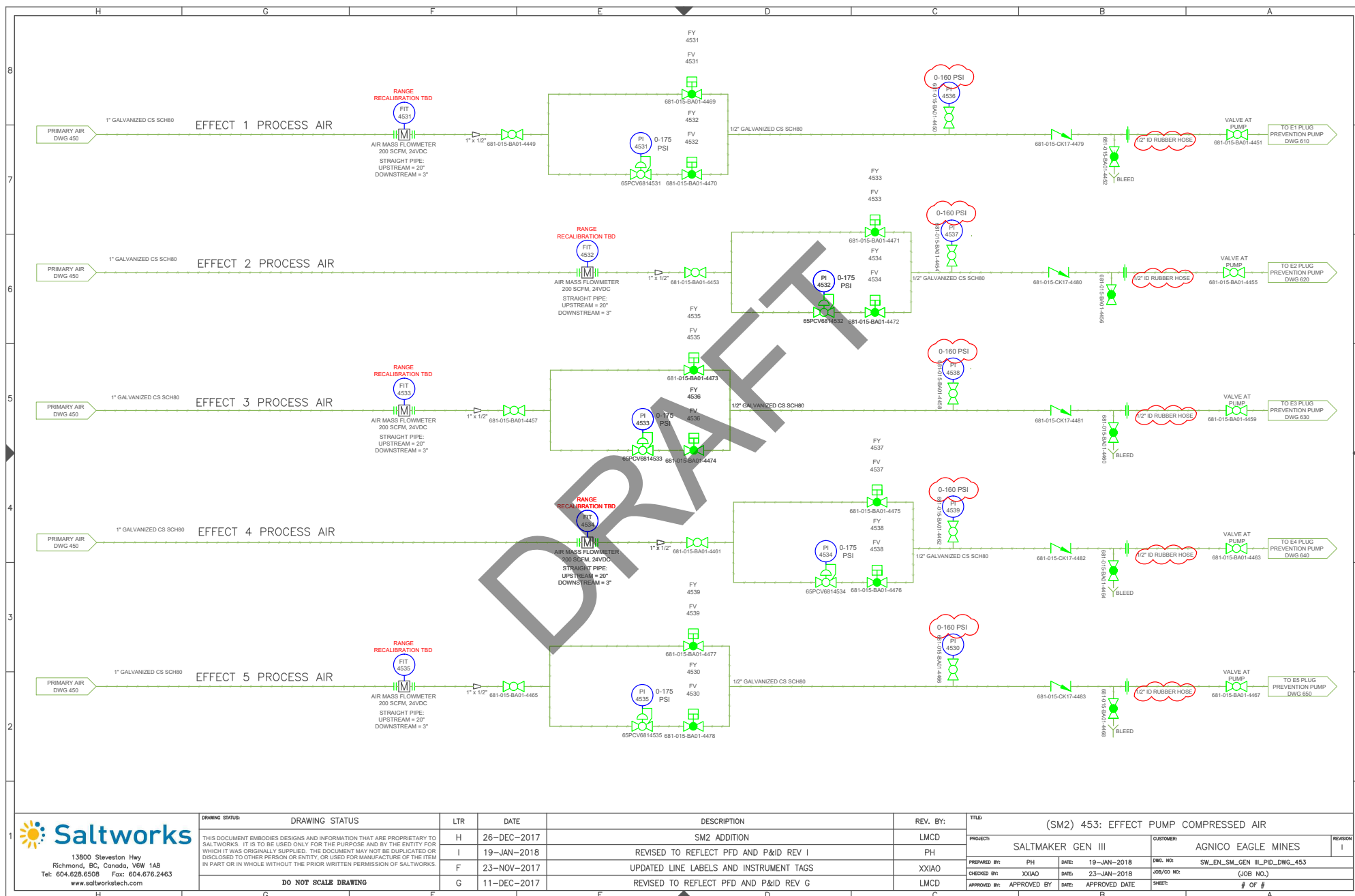
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		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	PROJECT: SALTMAKER GEN III
		F	23-NOV-2017	REMOVED MANIFOLDS, UPDATED LINE LABELS AND INSTRUMENT TAGS	XXIAO	CUSTOMER: AGNICO EAGLE MINES
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	PREPARED BY: PH DATE: 19-JAN-2018 DWG. NO: SW_EN_SM_GEN_III_PID_DWG_450
DO NOT SCALE DRAWING						CHECKED BY: XXIAO DATE: 23-JAN-2018 JOB/CD NO: (JOB NO.)
						APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: # OF #

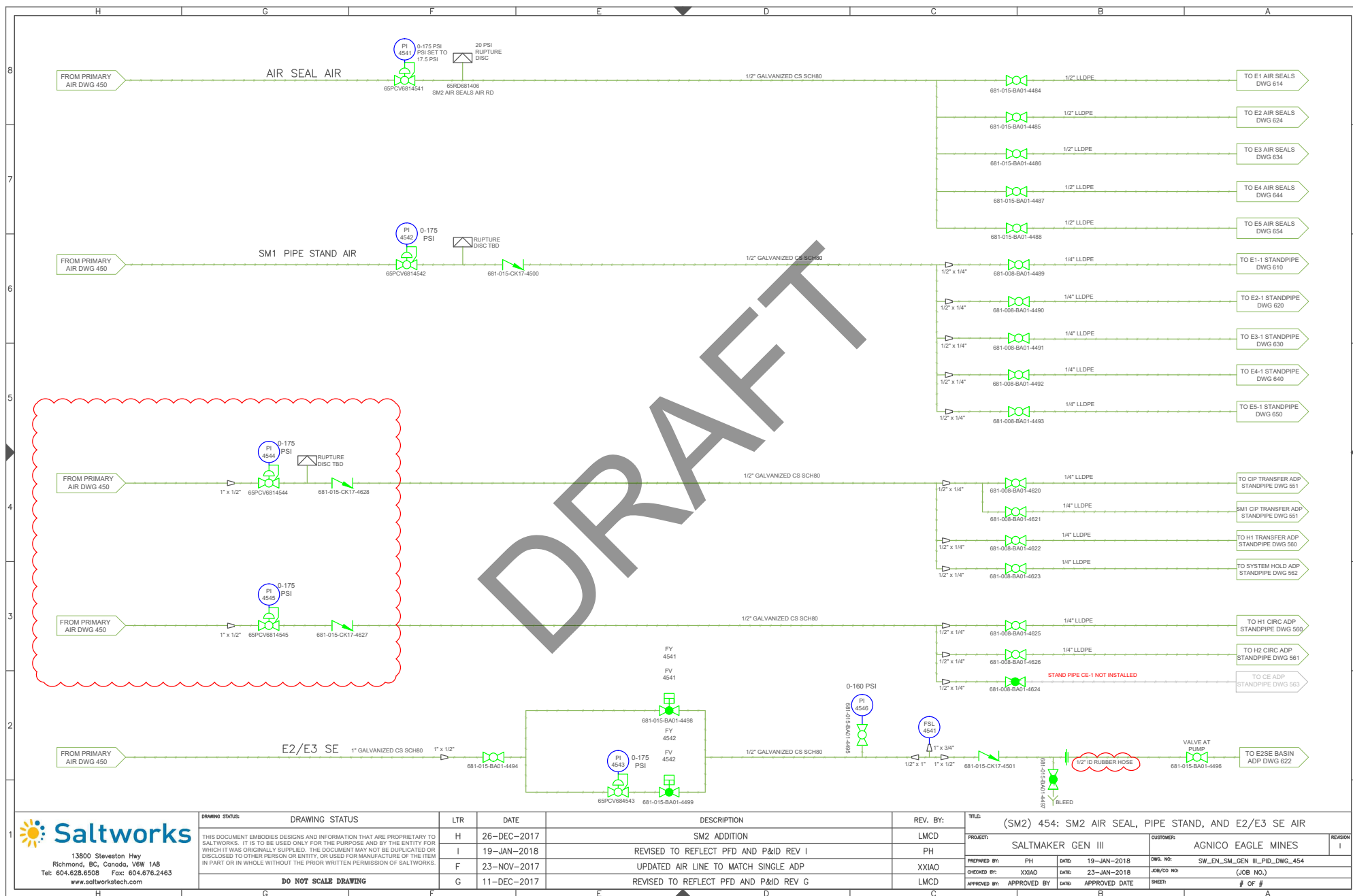


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DRAWING STATUS		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM2) 451: EH1/EH2 EXTRACT AND CIP AIR			
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		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	PREPARED BY: PH		DATE: 19-JAN-2018	
		F	23-NOV-2017	UPDATED LINE LABELS AND INSTRUMENT TAGS	XXIAO	CHECKED BY: XXIAO		DATE: 23-JAN-2018	
		G	11-DEC-2017	REVISED TO REFLECT FD AND P&ID REV G	LMCD	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	
DO NOT SCALE DRAWING						JOB/CD NO: SW_EN_SM_GEN III_PID_DWG_451		SHEET: # OF #	



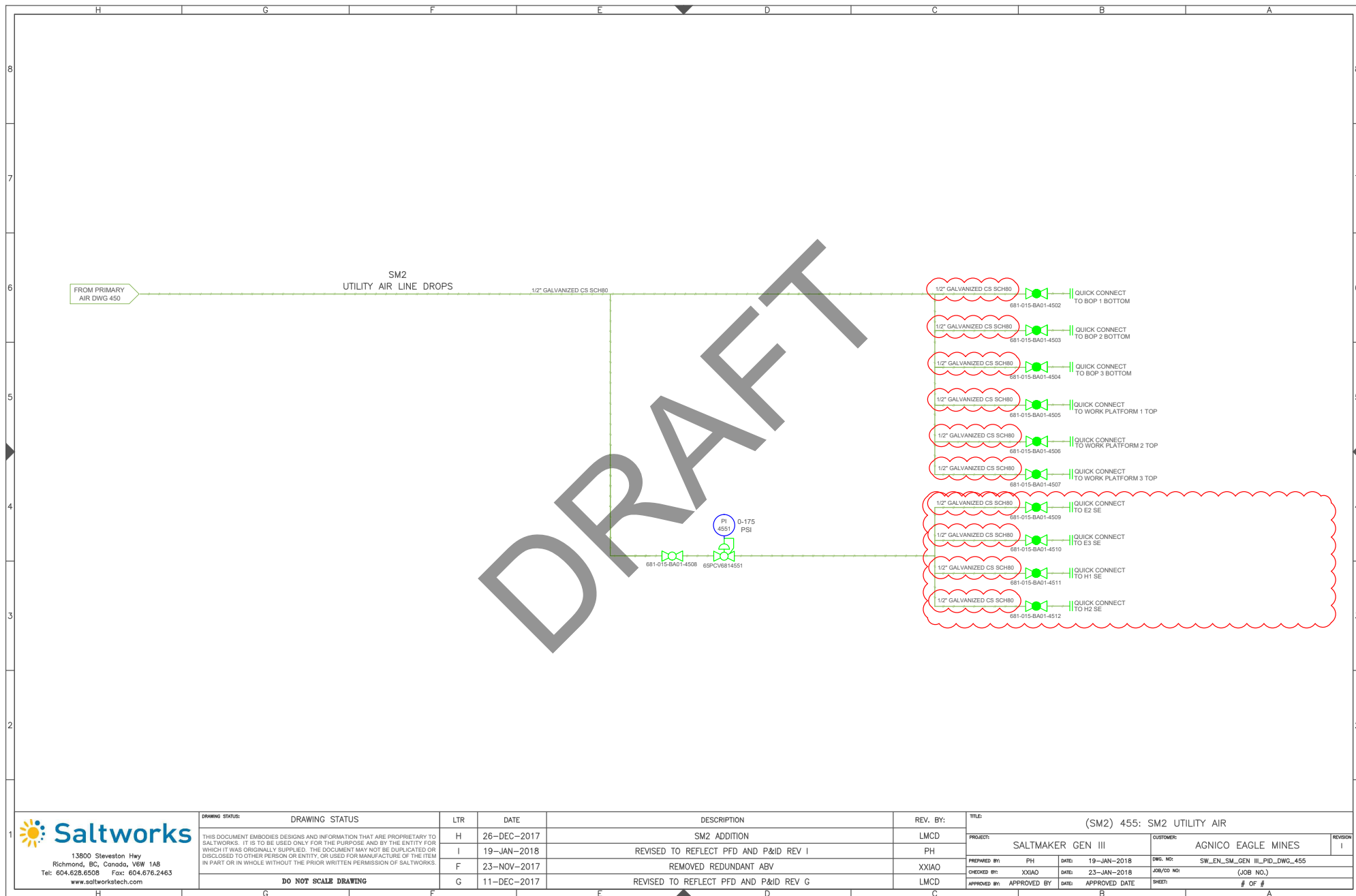




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DO NOT SCALE DRAWING	I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH	SALTMAKER GEN III
	F	23-NOV-2017	UPDATED AIR LINE TO MATCH SINGLE ADP	XXIAO	CUSTOMER: AGNICO EAGLE MINES
	G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_454
					JOB/CD NO: (JOB NO.)
					SHEET: # OF #

REVISION 1



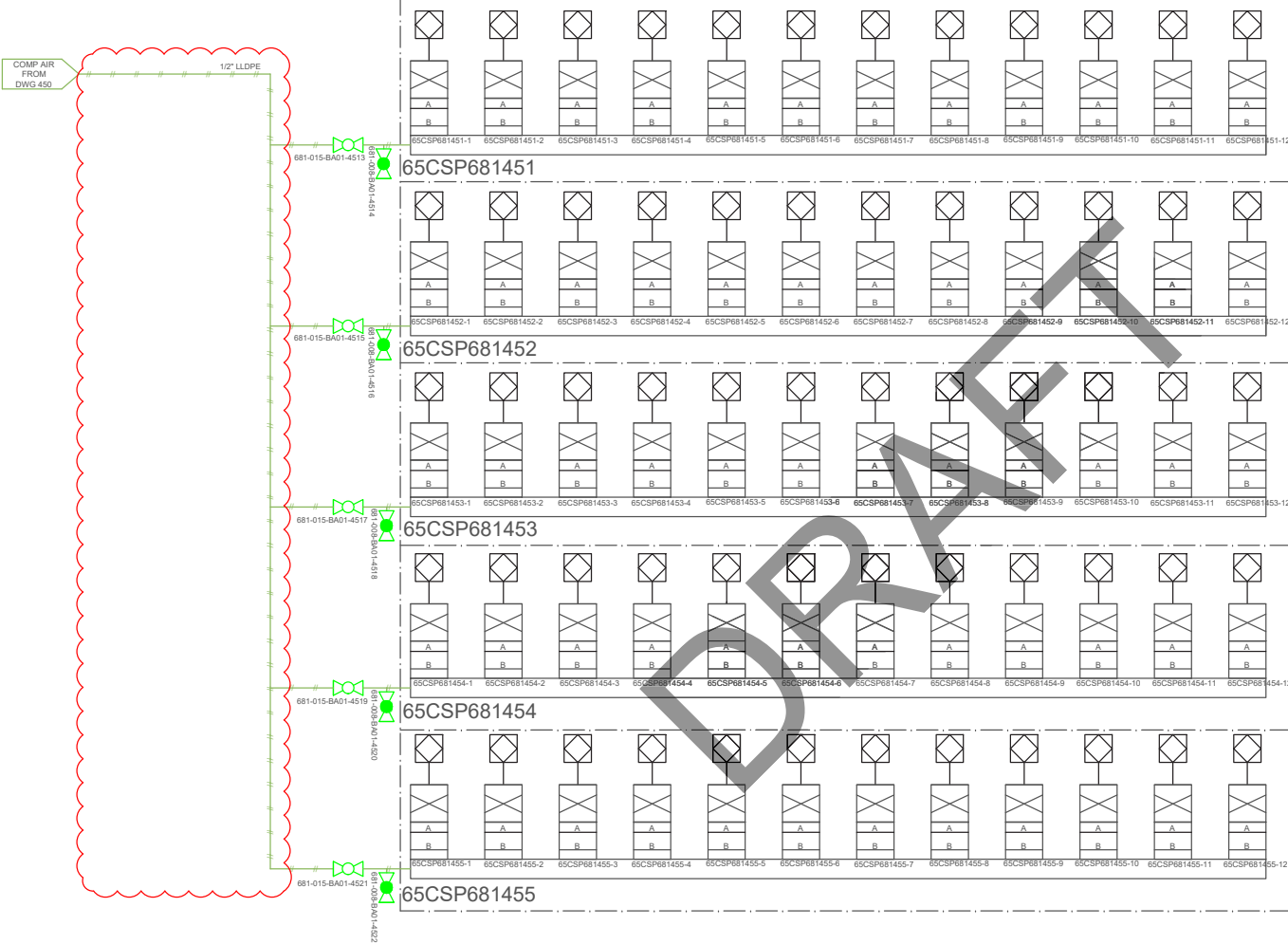
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DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION	REV. BY:
H	26-DEC-2017	SM2 ADDITION	LMCD
I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH
F	23-NOV-2017	REMOVED REDUNDANT ABV	XXIAO
G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD

TITLE:	(SM2) 455: SM2 UTILITY AIR			REVISION	1
PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES		
PREPARED BY:	PH	DATE:	19-JAN-2018	DWG. NO.:	SW_EN_SM_GEN_III_PID_DWG_455
CHECKED BY:	XXIAO	DATE:	23-JAN-2018	JOB/CD NO.:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #

LOCATED IN BOP1



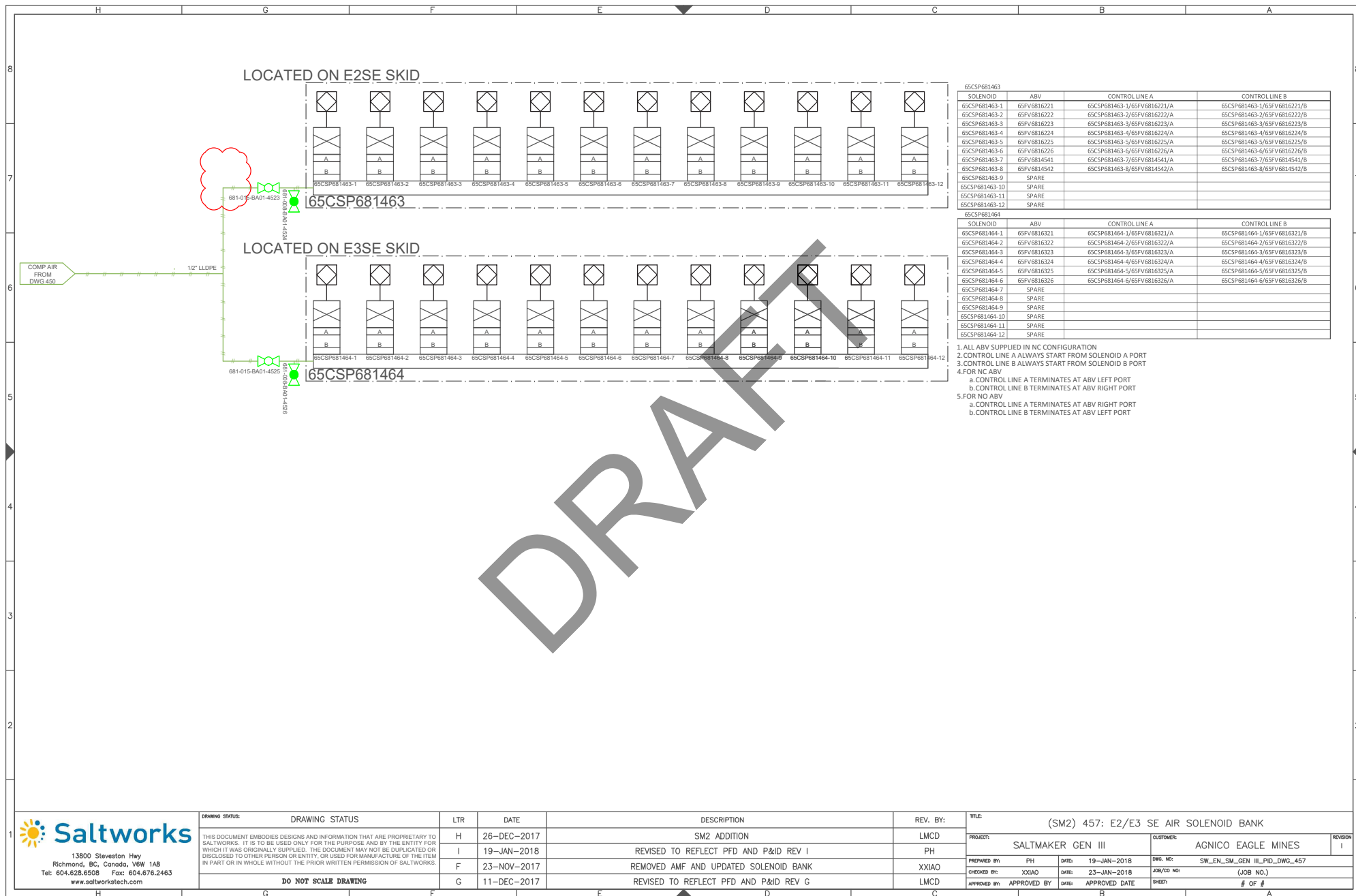
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65CSP681451-1	65FV6816202	65CSP681451-1/65FV6816202/A	65CSP681451-1/65FV6816202/B
65CSP681451-2	65FV6816201	65CSP681451-2/65FV6816201/A	65CSP681451-2/65FV6816201/B
65CSP681451-3	65FV6816204	65CSP681451-3/65FV6816204/A	65CSP681451-3/65FV6816204/B
65CSP681451-4	65FV6816205	65CSP681451-4/65FV6816205/A	65CSP681451-4/65FV6816205/B
65CSP681451-5	65FV6816206	65CSP681451-5/65FV6816206/A	65CSP681451-5/65FV6816206/B
65CSP681451-6	65FV6816207	65CSP681451-6/65FV6816207/A	65CSP681451-6/65FV6816207/B
65CSP681451-7	65FV6816208	65CSP681451-7/65FV6816208/A	65CSP681451-7/65FV6816208/B
65CSP681451-8	65FV6816201	65CSP681451-8/65FV6816201/A	65CSP681451-8/65FV6816201/B
65CSP681451-9	65FV6816217	65CSP681451-9/65FV6816217/A	65CSP681451-9/65FV6816217/B
65CSP681451-10	65FV6816218	65CSP681451-10/65FV6816218/A	65CSP681451-10/65FV6816218/B
65CSP681451-11	65FV6816209	65CSP681451-11/65FV6816209/A	65CSP681451-11/65FV6816209/B
65CSP681451-12	65FV6816200	65CSP681451-12/65FV6816200/A	65CSP681451-12/65FV6816200/B
65CSP681452			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681452-1	65FV6816216	65CSP681452-1/65FV6816216/A	65CSP681452-1/65FV6816216/B
65CSP681452-2	65FV6816212	65CSP681452-2/65FV6816212/A	65CSP681452-2/65FV6816212/B
65CSP681452-3	65FV6816213	65CSP681452-3/65FV6816213/A	65CSP681452-3/65FV6816213/B
65CSP681452-4	65FV6816219	65CSP681452-4/65FV6816219/A	65CSP681452-4/65FV6816219/B
65CSP681452-5	65FV6814533	65CSP681452-5/65FV6814533/A	65CSP681452-5/65FV6814533/B
65CSP681452-6	65FV6814534	65CSP681452-6/65FV6814534/A	65CSP681452-6/65FV6814534/B
65CSP681452-7	65FV6816302	65CSP681452-7/65FV6816302/A	65CSP681452-7/65FV6816302/B
65CSP681452-8	65FV6816303	65CSP681452-8/65FV6816303/A	65CSP681452-8/65FV6816303/B
65CSP681452-9	65FV6816304	65CSP681452-9/65FV6816304/A	65CSP681452-9/65FV6816304/B
65CSP681452-10	65FV6816305	65CSP681452-10/65FV6816305/A	65CSP681452-10/65FV6816305/B
65CSP681452-11	65FV6816306	65CSP681452-11/65FV6816306/A	65CSP681452-11/65FV6816306/B
65CSP681452-12	65FV6816307	65CSP681452-12/65FV6816307/A	65CSP681452-12/65FV6816307/B
65CSP681453			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681453-1	65FV6816308	65CSP681453-1/65FV6816308/A	65CSP681453-1/65FV6816308/B
65CSP681453-2	65FV6816301	65CSP681453-2/65FV6816301/A	65CSP681453-2/65FV6816301/B
65CSP681453-3	65FV6816317	65CSP681453-3/65FV6816317/A	65CSP681453-3/65FV6816317/B
65CSP681453-4	65FV6816318	65CSP681453-4/65FV6816318/A	65CSP681453-4/65FV6816318/B
65CSP681453-5	65FV6816309	65CSP681453-5/65FV6816309/A	65CSP681453-5/65FV6816309/B
65CSP681453-6	65FV6816300	65CSP681453-6/65FV6816300/A	65CSP681453-6/65FV6816300/B
65CSP681453-7	65FV6816316	65CSP681453-7/65FV6816316/A	65CSP681453-7/65FV6816316/B
65CSP681453-8	65FV6816312	65CSP681453-8/65FV6816312/A	65CSP681453-8/65FV6816312/B
65CSP681453-9	65FV6816313	65CSP681453-9/65FV6816313/A	65CSP681453-9/65FV6816313/B
65CSP681453-10	65FV6816319	65CSP681453-10/65FV6816319/A	65CSP681453-10/65FV6816319/B
65CSP681453-11	65FV6814535	65CSP681453-11/65FV6814535/A	65CSP681453-11/65FV6814535/B
65CSP681453-12	65FV6814536	65CSP681453-12/65FV6814536/A	65CSP681453-12/65FV6814536/B
65CSP681454			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681454-1	65FV6815301	65CSP681454-1/65FV6815301/A	65CSP681454-1/65FV6815301/B
65CSP681454-2	65FV6815302	65CSP681454-2/65FV6815302/A	65CSP681454-2/65FV6815302/B
65CSP681454-3	65FV6815303	65CSP681454-3/65FV6815303/A	65CSP681454-3/65FV6815303/B
65CSP681454-4	65FV6815304	65CSP681454-4/65FV6815304/A	65CSP681454-4/65FV6815304/B
65CSP681454-5	65FV6815305	65CSP681454-5/65FV6815305/A	65CSP681454-5/65FV6815305/B
65CSP681454-6	65FV6815306	65CSP681454-6/65FV6815306/A	65CSP681454-6/65FV6815306/B
65CSP681454-7	65FV6815307	65CSP681454-7/65FV6815307/A	65CSP681454-7/65FV6815307/B
65CSP681454-8	65FV6815308	65CSP681454-8/65FV6815308/A	65CSP681454-8/65FV6815308/B
65CSP681454-9	65FV6815309	65CSP681454-9/65FV6815309/A	65CSP681454-9/65FV6815309/B
65CSP681454-10	65FV6815310	65CSP681454-10/65FV6815310/A	65CSP681454-10/65FV6815310/B
65CSP681454-11	65FV6815311	65CSP681454-11/65FV6815311/A	65CSP681454-11/65FV6815311/B
65CSP681454-12	SPARE		
65CSP681455			
SOLENOID	ABV	CONTROL LINE A	CONTROL LINE B
65CSP681455-1	65FV6810627	65CSP681455-1/65FV6810627/A	65CSP681455-1/65FV6810627/B
65CSP681455-2	65FV6810628	65CSP681455-2/65FV6810628/A	65CSP681455-2/65FV6810628/B
65CSP681455-3	65FV6810629	65CSP681455-3/65FV6810629/A	65CSP681455-3/65FV6810629/B
65CSP681455-4	65FV6810610	65CSP681455-4/65FV6810610/A	65CSP681455-4/65FV6810610/B
65CSP681455-5	65FV6810612	65CSP681455-5/65FV6810612/A	65CSP681455-5/65FV6810612/B
65CSP681455-6	65FV6810636	65CSP681455-6/65FV6810636/A	65CSP681455-6/65FV6810636/B
65CSP681455-7	65FV6810637	65CSP681455-7/65FV6810637/A	65CSP681455-7/65FV6810637/B
65CSP681455-8	65FV6810638	65CSP681455-8/65FV6810638/A	65CSP681455-8/65FV6810638/B
65CSP681455-9	65FV6810639	65CSP681455-9/65FV6810639/A	65CSP681455-9/65FV6810639/B
65CSP681455-10	65FV6810630	65CSP681455-10/65FV6810630/A	65CSP681455-10/65FV6810630/B
65CSP681455-11	65FV6810630	65CSP681455-11/65FV6810630/A	65CSP681455-11/65FV6810630/B
65CSP681455-12		TBD - VALVE MAY NOT EXIST	

1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
 - a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
 - b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
 - a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
 - b. CONTROL LINE B TERMINATES AT ABV LEFT PORT

DRAWING STATUS:	DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:
		H	26-DEC-2017	SM2 ADDITION	LMCD
		I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH
		F	23-NOV-2017	UPDATED SOLENOID BANK	XXIAO
		G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD

DO NOT SCALE DRAWING

TITLE:	(SM2) 456: BOP1 AIR SOLENOID BANK				REVISION
PROJECT:	SALTMAKER GEN III	CUSTOMER:		AGNICO EAGLE MINES	1
PREPARED BY:	PH	DATE:	19-JAN-2018	DWG. NO:	SW_EX_SM_GEN_III_PLD_DWG_456
CHECKED BY:	XXIAO	DATE:	23-JAN-2018	JOB/CD NO:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #



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www.saltworkstech.com

DRAWING STATUS	LTR	DATE	DESCRIPTION	REV. BY:
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	I	19-JAN-2018	REVISED TO REFLECT PFD AND P&ID REV I	PH
	F	23-NOV-2017	REMOVED AMF AND UPDATED SOLENOID BANK	XXIAO
	G	11-DEC-2017	REVISED TO REFLECT PFD AND P&ID REV G	LMCD

DO NOT SCALE DRAWING

TITLE: (SM2) 457: E2/E3 SE AIR SOLENOID BANK				
PROJECT: SALTMAKER GEN III	CUSTOMER: AGNICO EAGLE MINES	REVISION: I		
PREPARED BY: PH	DATE: 19-JAN-2018	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_457		
CHECKED BY: XXIAO	DATE: 23-JAN-2018	JOB/CD NO: (JOB NO.)		
APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: # OF #		