

Client: Agnico Eagle Mines

Project: SaltMaker SM-AEM-01

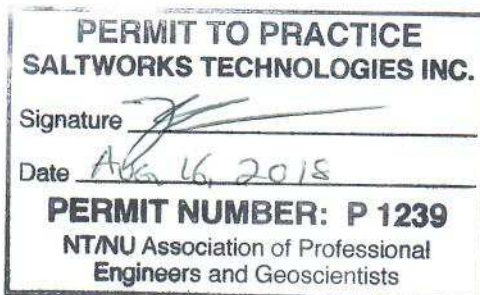
The following engineering document package contains work completed under the guidance and supervision of professional engineers, P.Eng..

The package includes:

- 1) AEM Integration PFD Revision 3, dated 30-Oct-2017
- 2) Solids Extraction:
 - Infographic Revision B, dated 13-Mar-2018
 - Solids Extra Extraction System – Simplified Revision A, dated 23-Nov-2017
- 3) SW_EN_AEM-01_GAD SaltMaker GAD Revision F, dated 13-Jul-2018
- 4) Agnico Eagle Minds P&ID Drawing Package Revision N, dated 06-Jul-2018
- 5) System 100: Post Treatment RO P&ID Revision 3, Project Number 17041-100D, Nav Number: 49-0462, dated 23-Jan-2018



K.K.H. Tsin
Aug 16, 2018



B.S. Sparrow
Aug 16, 2018



COMPRESSED AIR - COMMON REVISION N

 13800 Stevenson Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: COVER SHEET				REVISION N	
	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 PERSONS OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.		N	06-JUL-2018	AS MARKED BY REVISION CLOUDS	JLAU	PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES			
			K	26-FEB-2018	PROCESS UPDATE	SNOW	PREPARED BY: SNOW		DATE: 22-FEB-2018	DWG. NO:		COVER SHEET
			L	16-MAR-2018	AS MARKED BY REVISION CLOUDS	JLAU	CHECKED BY: XXIAO		DATE: 23-FEB-2018	JOB/COD NO:		(JOB NO.)
			M	08-MAY-2018	AS MARKED BY REVISION CLOUDS	JLAU	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	SHEET:		# OF #
DO NOT SCALE DRAWING												

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_AIR-COMMON_DWG_400	COMPRESSED AIR SYSTEM
22	SW_EN_SM_AEM-01_PID_SM1_DWG_163	CALCIUM EXTRACTION	56	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_401	AMMONIA DES, BRINE BLOWDOWN AND PLANT FEED AIR
23	SW_EN_SM_AEM-01_PID_SM1_DWG_164	EH1 SOLIDS EXTRACTION	57	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_402	CHEMICAL DOSING AND ANCILLARY STAND PIPE AIR
24	SW_EN_SM_AEM-01_PID_SM1_DWG_165	EH2 SOLIDS EXTRACTION	58	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_403	COMMON AND POST TREATMENT AIR BANK 1
25	SW_EN_SM_AEM-01_PID_SM1_DWG_180	DRIP TRAYS	59	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_404	COMMON AND POST TREATMENT AIR BANK 2
26	SW_EN_SM_AEM-01_PID_SM1_DWG_210	EFFECT 1 TANK AND PUMPS			<u>COMPRESSED AIR-SM1</u>
27	SW_EN_SM_AEM-01_PID_SM1_DWG_211	EFFECT 1 MODULES	60	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-SM1_DWG_410	SM INSTRUMENT AND PROCESS AIR
28	SW_EN_SM_AEM-01_PID_SM1_DWG_213	EFFECT 1 PUMP SEAL FLUSH	61	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-SM1_DWG_411	EH1/EH2 EXTRACT AND CIP AIR
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS			
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS			
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES			
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION			
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH			
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS			



13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		N	06-JUL-2018	NO CHANGES	-	DRAWING LIST 1
		K	26-FEB-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III
		L	16-MAR-2018	NO CHANGES	-	CUSTOMER: AGNICO EAGLE MINES
		M	08-MAY-2018	NO CHANGES	-	PREPARED BY: SNOW
						DATE: 22-FEB-2018
						DWG. NO: DRAWING LIST 1
						CHECKED BY: XXIAO
						DATE: 23-FEB-2018
						JOB/CD NO: (JOB NO.)
						APPROVED BY: APPROVED BY
						DATE: APPROVED DATE
						SHEET: # OF #

DO NOT SCALE DRAWING

DRAWING LIST 2

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
62	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_412	EH1/EH2 EXTRACT AND CIP AIR	84	SW_EN_SM_AEM-01_PID_SM2_DWG_510	SALTMAKER 2 (SM2)
63	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_413	PLUG PREVENTION PUMP AIR	85	SW_EN_SM_AEM-01_PID_SM2_DWG_520	THERMAL SOURCE PRIMARY HEAT EXCHANGERS
64	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_414	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	86	SW_EN_SM_AEM-01_PID_SM2_DWG_530	CONDENSED WATER SYSTEM
65	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_415	UTILITY AIR	87	SW_EN_SM_AEM-01_PID_SM2_DWG_550	FEED DISTRIBUTION
66	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_416	BOP1 AIR SOLENOID BANK	88	SW_EN_SM_AEM-01_PID_SM2_DWG_551	CIP TANKS
67	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_417	E2/E3 SE AIR SOLENOID BANK	89	SW_EN_SM_AEM-01_PID_SM2_DWG_560	CIP PUMP SKID
68	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_418	BOP2 AIR SOLENOID BANK	90	SW_EN_SM_AEM-01_PID_SM2_DWG_561	EFFECT HOLD 1
69	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_419	BOP3 AIR SOLENOID BANK	91	SW_EN_SM_AEM-01_PID_SM2_DWG_562	EFFECT HOLD 2
70	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_420	CIP, EH/SY AIR SOLENOID BANK	92	SW_EN_SM_AEM-01_PID_SM2_DWG_563	SYSTEM HOLD
	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_421	H1/H2 SE AIR SOLENOID BANK	93	SW_EN_SM_AEM-01_PID_SM2_DWG_564	CALCIUM EXTRACTION
71			94	SW_EN_SM_AEM-01_PID_SM2_DWG_565	EH1 SOLIDS EXTRACTION
		COMPRESSED AIR-SM2		SW_EN_SM_AEM-01_PID_SM2_DWG_580	EH2 SOLIDS EXTRACTION
72	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_450	SM INSTRUMENT AND PROCESS AIR			DRIP TRAYS
73	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_451	EH1/EH2 EXTRACT AND CIP AIR	95		
74	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_452	EFFECT/SYSTEM HOLD AND CAL EXTRACTION AIR	96	SW_EN_SM_AEM-01_PID_SM2_DWG_610	EFFECT 1 TANK AND PUMPS
75	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_453	PLUG PREVENTION PUMP AIR	97	SW_EN_SM_AEM-01_PID_SM2_DWG_611	EFFECT 1 MODULES
76	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_454	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	98	SW_EN_SM_AEM-01_PID_SM2_DWG_613	EFFECT 1 PUMP SEAL FLUSH
77	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_455	UTILITY AIR		SW_EN_SM_AEM-01_PID_SM2_DWG_614	EFFECT 1 AIR SEALS
78	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_456	BOP1 AIR SOLENOID BANK	99		
79	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_620	EFFECT 2 TANK AND PUMPS
80	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_458	BOP2 AIR SOLENOID BANK	101	SW_EN_SM_AEM-01_PID_SM2_DWG_621	EFFECT 2 MODULES
81	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_459	BOP3 AIR SOLENOID BANK	102	SW_EN_SM_AEM-01_PID_SM2_DWG_622	EFFECT 2 SOLIDS EXTRACTION
82	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_623	EFFECT 2 PUMP SEAL FLUSH
83	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_461	H1/H2 SE AIR SOLENOID BANK		SW_EN_SM_AEM-01_PID_SM2_DWG_624	EFFECT 2 AIR SEALS
			104		
			105	SW_EN_SM_AEM-01_PID_SM2_DWG_630	EFFECT 3 TANK AND PUMPS
			106	SW_EN_SM_AEM-01_PID_SM2_DWG_631	EFFECT 3 MODULES
			107	SW_EN_SM_AEM-01_PID_SM2_DWG_632	EFFECT 3 SOLIDS EXTRACTION
			108	SW_EN_SM_AEM-01_PID_SM2_DWG_633	EFFECT 3 PUMP SEAL FLUSH
				SW_EN_SM_AEM-01_PID_SM2_DWG_634	EFFECT 3 AIR SEALS
			109		
			110	SW_EN_SM_AEM-01_PID_SM2_DWG_640	EFFECT 4 TANK AND PUMPS
			111	SW_EN_SM_AEM-01_PID_SM2_DWG_641	EFFECT 4 MODULES
			112	SW_EN_SM_AEM-01_PID_SM2_DWG_643	EFFECT 4 PUMP SEAL FLUSH
				SW_EN_SM_AEM-01_PID_SM2_DWG_644	EFFECT 4 AIR SEALS
			113		
			114	SW_EN_SM_AEM-01_PID_SM2_DWG_650	EFFECT 5 TANK AND PUMPS
			115	SW_EN_SM_AEM-01_PID_SM2_DWG_651	EFFECT 5 MODULES
			116	SW_EN_SM_AEM-01_PID_SM2_DWG_653	EFFECT 5 PUMP SEAL FLUSH
			117	SW_EN_SM_AEM-01_PID_SM2_DWG_654	EFFECT 5 AIR SEALS
				USW_17041_100D	VENDOR DRAWINGS
					POST TREATMENT RO



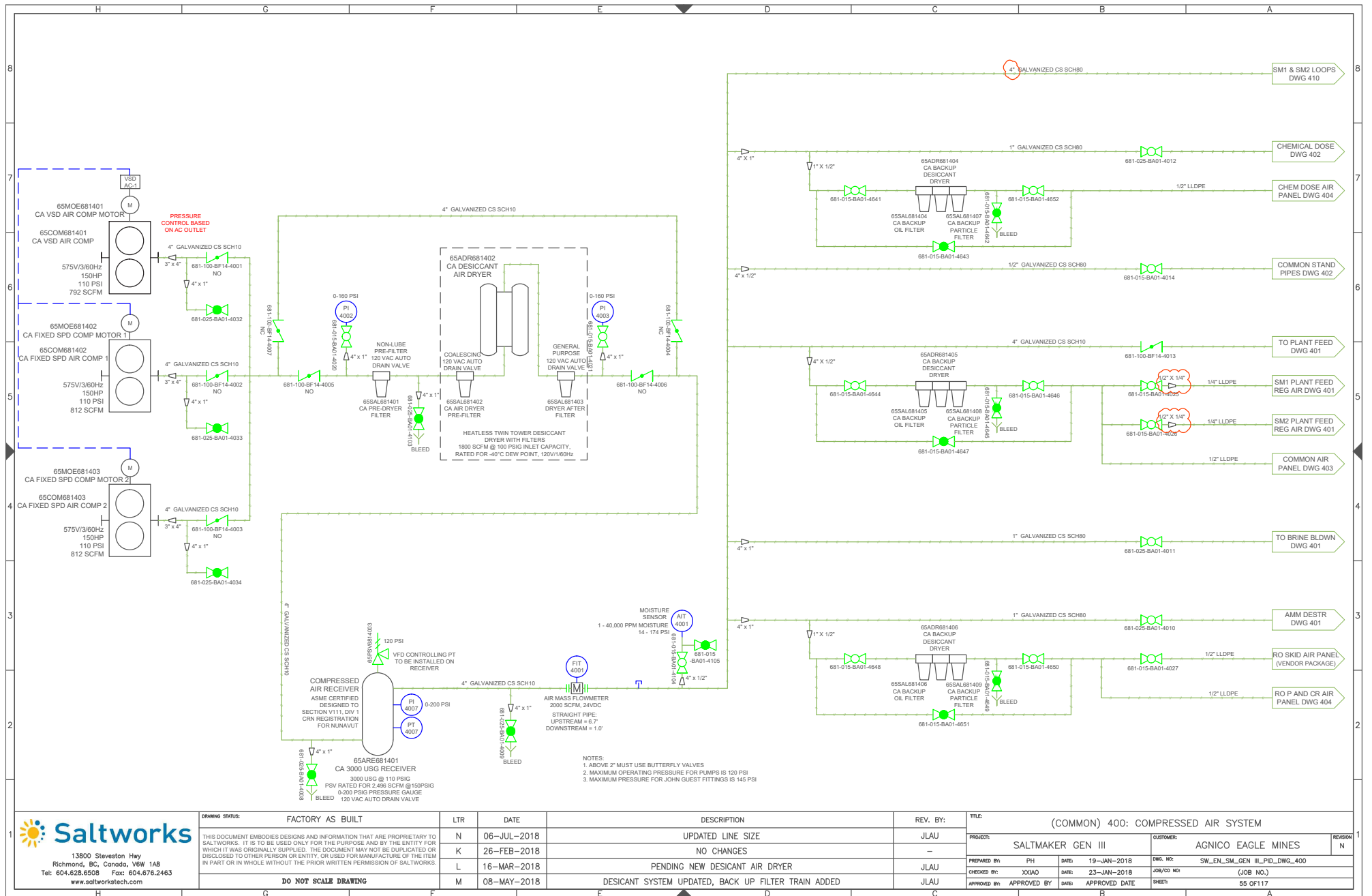
13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

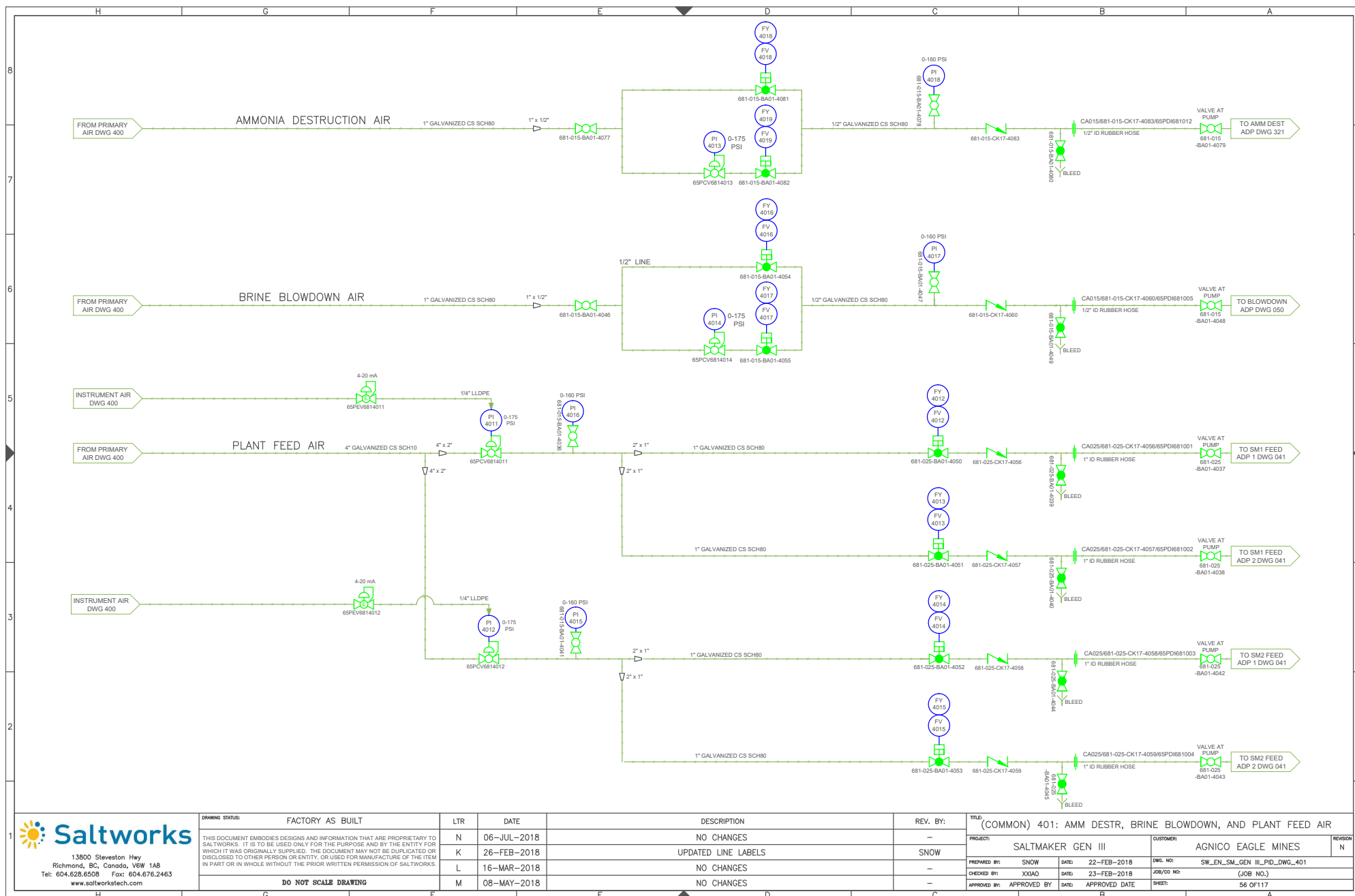
DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		N	06-JUL-2018	NO CHANGES	-	
		K	26-FEB-2018	NO CHANGES	-	
		L	16-MAR-2018	NO CHANGES	-	
		M	08-MAY-2018	NO CHANGES	-	
	DO NOT SCALE DRAWING					

PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION	N
PREPARED BY:	SNOW	DATE:	22-FEB-2018	DWG. NO:	DRAWING LIST 2
CHECKED BY:	XXIAO	DATE:	23-FEB-2018	JOB/CD NO:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #

DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		N	06-JUL-2018	NO CHANGES	-	
		K	26-FEB-2018	NO CHANGES	-	
		L	16-MAR-2018	NO CHANGES	-	
		M	08-MAY-2018	NO CHANGES	-	
	DO NOT SCALE DRAWING					

H		G		F		E		D		C		B		A	
VALVES		EQUIPMENT SYMBOL				RO/UF MODULE		A/Symbol AIR SUPPLY		INSTRUMENT LINE SYMBOLS		INSTRUMENT SYMBOLS		INSTRUMENT IDENTIFICATION	
MANUAL BALL (MBV) – NORMALLY CLOSED		MIXER OR AGITATOR (MX)				FILTER – BASKET (BAF)		N/Symbol NITROGEN SUPPLY		PNEUMATIC SIGNAL (ANALOG)		LOCALLY MOUNTED		PARAMETER (1ST LETTER)	
MANUAL BALL (MBV) – NORMALLY OPEN						FILTER (F) HOUSING				PNEUMATIC SIGNAL (DIGITAL)				PRESSURE	
CHECK (CV)						CLOSED TOP TANK (TK)				ELECTRICAL SIGNAL (ANALOG – 4–20mA OR 1–10 VDC)				TEMPERATURE	
GATE (GV)						CONE BOTTOM TANK (TK)				ELECTRICAL SIGNAL (FREQUENCY OR PULSE)				CONDUCTIVITY	
BUTTERFLY (BFV)						OPEN TOP TANK (TK) WITH COVER								DENSITY	
						PLATE HEAT EXCHANGER (HX)								POSITION	
						SHELL AND TUBE HEAT EXCHANGER (HX)								ANALYTICAL (SEE NOTES)	
						CONE CONSTRAINT (CSTR)								TYPE (2ND AND 3RD LETTER)	
						PERISTALTIC HOSE PUMP (P)								INDICATING/INDICATOR	
						FLEXIBLE CONNECTION								TRANSMITTER	
														ELEMENT/PROBE	
														ALARM	
														SWITCH	
 N.C. - NORMALLY CLOSED															



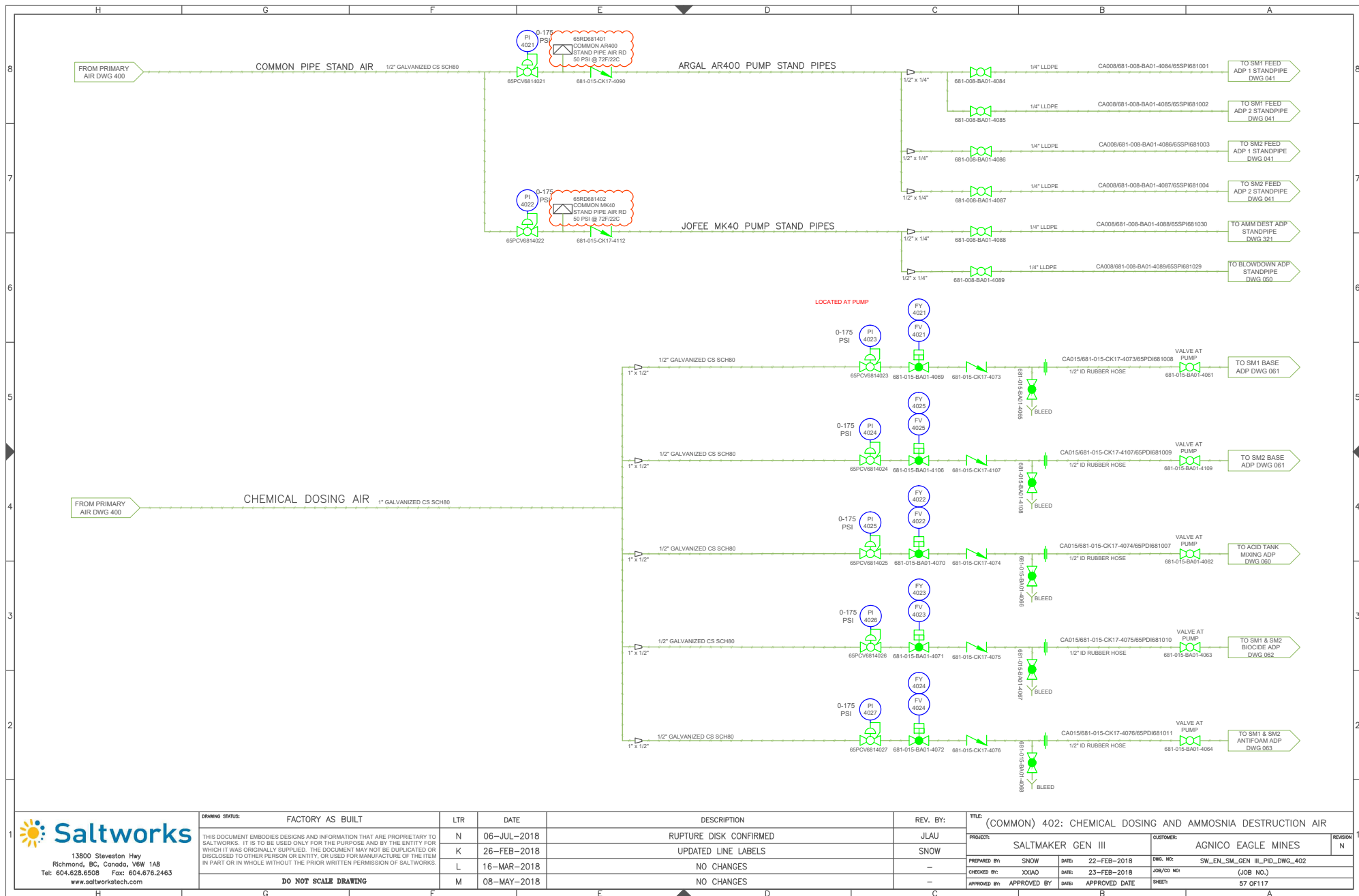


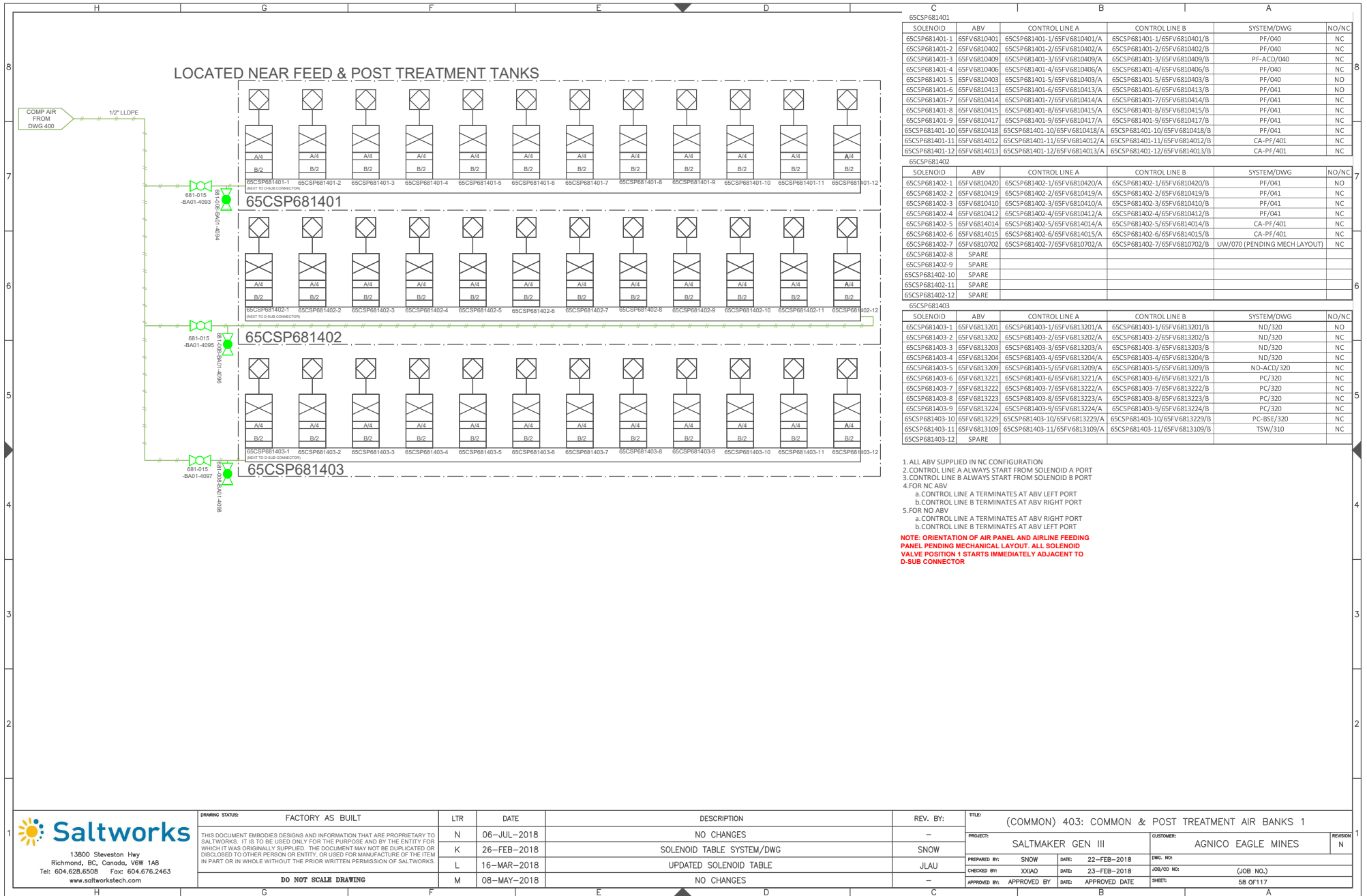
13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

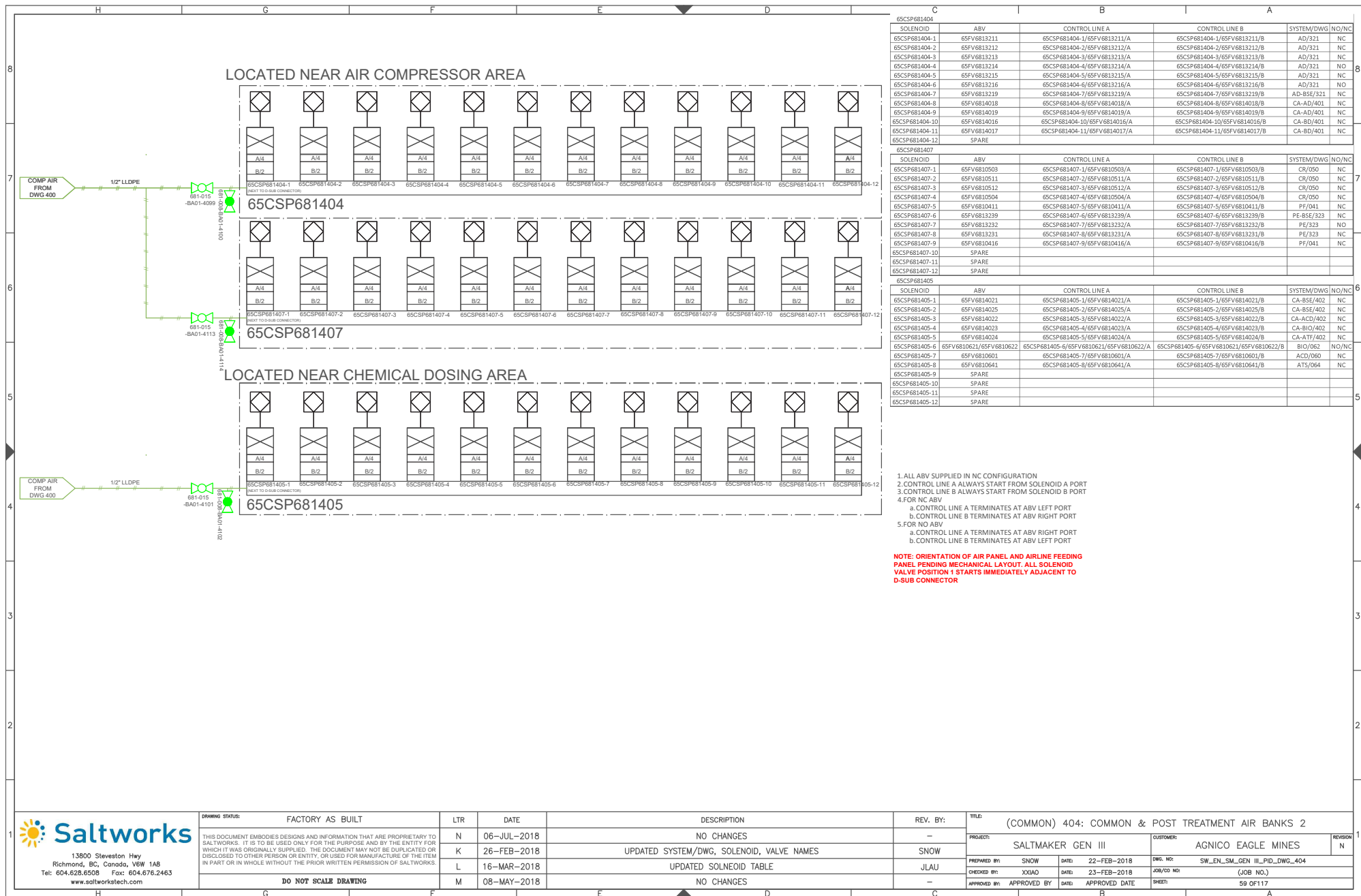
DRAWING STATUS:	FACTORY AS BUILT
THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION	REV. BY:
N	06-JUL-2018	NO CHANGES	-
K	26-FEB-2018	UPDATED LINE LABELS	SNOW
L	16-MAR-2018	NO CHANGES	-
M	08-MAY-2018	NO CHANGES	-

TITLE:	(COMMON) 401: AMM DESTR, BRINE BLOWDOWN, AND PLANT FEED AIR	REVISION	N
PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES
PREPARED BY:	SNOW	DATE:	22-FEB-2018
CHECKED BY:	XXIAO	DATE:	23-FEB-2018
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE
DWG. NO:	SW_EN_SM_GEN_III_PID_DWG_401	JOB/CD NO:	(JOB NO.)
SHEET:	56 OF 117		







- 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

NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING
PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID
VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO
D-SUB CONNECTOR



13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:	FACTORY AS BUILT
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.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION
N	06-JUL-2018	NO CHANGES
K	26-FEB-2018	UPDATED SYSTEM/DWG, SOLENOID, VALVE NAMES
L	16-MAR-2018	UPDATED SOLENOID TABLE
M	08-MAY-2018	NO CHANGES

REV. BY:	TITLE:
-	(COMMON) 404: COMMON & POST TREATMENT AIR BANKS 2
SNOW	PROJECT: SALTMAKER GEN III
JLAW	CUSTOMER: AGNICO EAGLE MINES
-	PREPARED BY: SNOW DATE: 22-FEB-2018 DWG. NO: SW_EX_SM_GEN_III_PID_DWG_404
-	CHECKED BY: XXIAO DATE: 23-FEB-2018 JOB/CD NO: (JOB NO.)
-	APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: 59 OF 117



COMPRESSED AIR - SM1
REVISION N

 13800 Stevenson Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: 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 PERSONS IN ANY MANNER, OR USED FOR THE MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE: COVER SHEET					
			N	06-JUL-2018	AS MARKED BY REVISION CLOUDS	-	PROJECT:	SALTMAKER GEN III		CUSTOMER:	AGNICO EAGLE MINES	REVISION
			K	26-FEB-2018	LINE LABELS, UPDATE SOLENOID TABLE	SN	PREPARED BY:	SN	DATE:	22-FEB-2018	DWG. NO:	COVER SHEET
			L	16-MAR-2018	UPDATED SOLENOID TABLES	JLAU	CHECKED BY:	XXIAO	DATE:	23-FEB-2018	JOB/COD NO:	(JOB NO.)
			M	08-MAY-2018	AS MARKED BY REVISION CLOUDS	JLAU	APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF #
		DO NOT SCALE DRAWING										

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 1
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	59	SW_EN_SM_AEM-01_PID_COMPRESSED	COMMON AND POST TREATMENT AIR BANK 2
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS		AIR-COMMON_DWG_404	
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS			<u>COMPRESSED AIR-SM1</u>
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES	60	SW_EN_SM_AEM-01_PID_COMPRESSED	SM INSTRUMENT AND PROCESS AIR
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION		AIR-SM1_DWG_410	
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH	61	SW_EN_SM_AEM-01_PID_COMPRESSED	EH1/EH2 EXTRACT AND CIP AIR
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS		AIR-SM1_DWG_411	



13900 Steveston Hwy
Richmond, BC, Canada, V6V 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

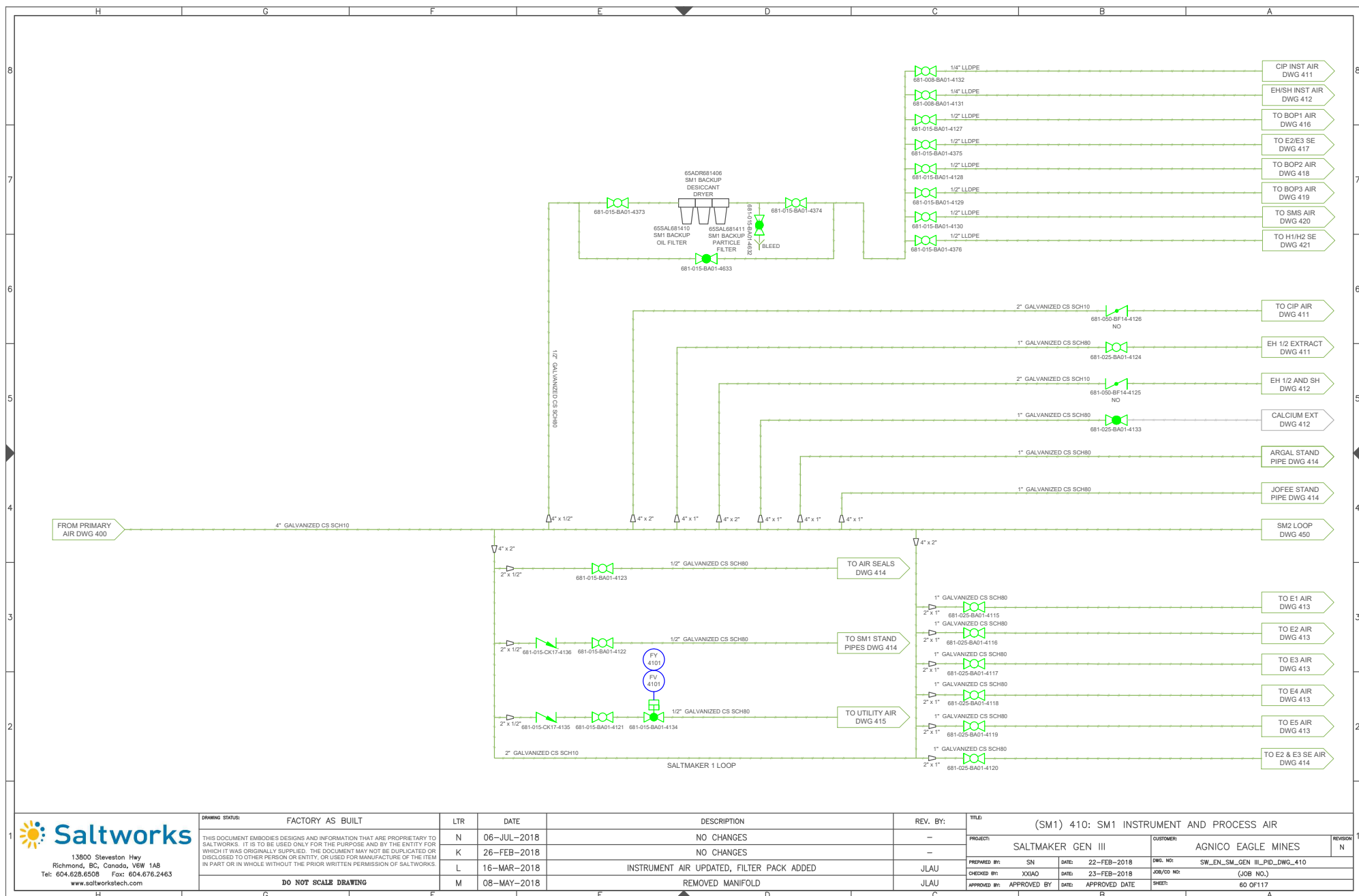
DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
		N	06-JUL-2018	NO CHANGES	-	DRAWING LIST 1
		K	26-FEB-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III
		L	16-MAR-2018	NO CHANGES	-	CUSTOMER: AGNICO EAGLE MINES
		M	08-MAY-2018	NO CHANGES	-	REVISION N
DO NOT SCALE DRAWING						PREPARED BY: SN
						CHECKED BY: XXIAO
						DATE: 22-FEB-2018
						DWG. NO: DRAWING LIST 1
						DATE: 23-FEB-2018
						JOB/CD NO: (JOB NO.)
						APPROVED BY: APPROVED BY
						DATE: APPROVED DATE
						SHEET: # OF #

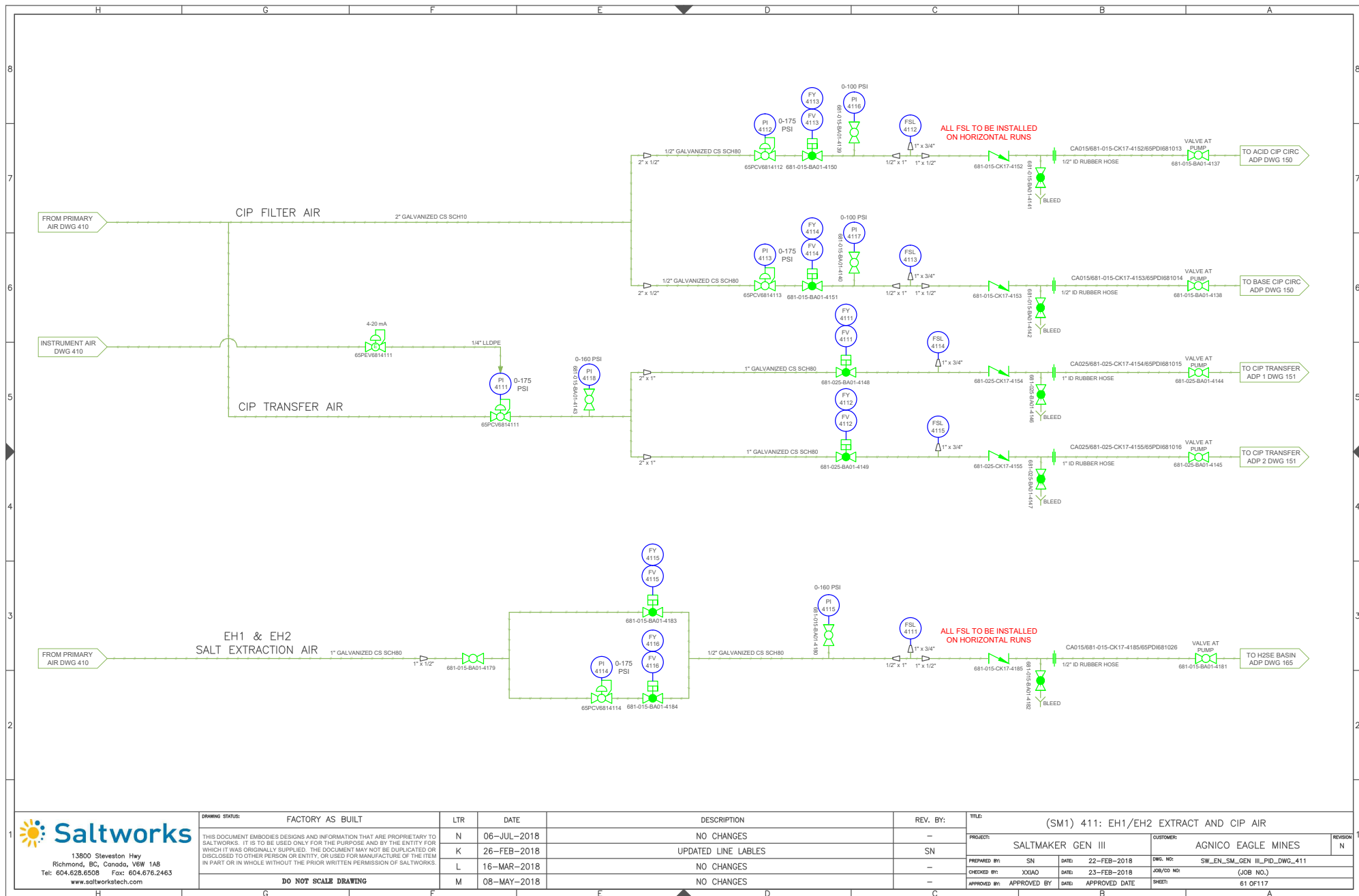
DRAWING LIST 2

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

<

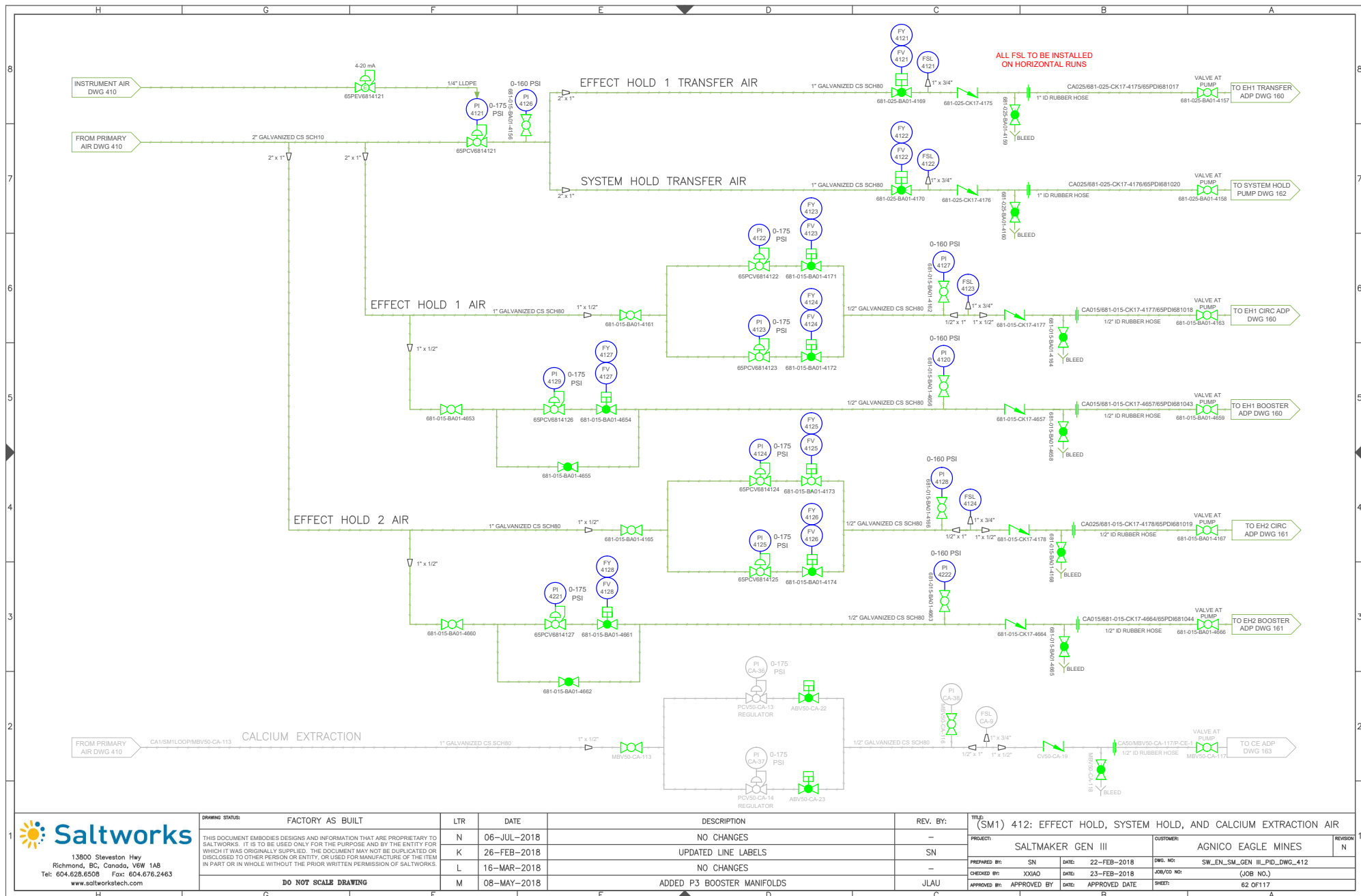
	H	G	F	E	D	C	B	A										
8	VALVES MANUAL BALL (MBV) – NORMALLY CLOSED MANUAL BALL (MBV) – NORMALLY OPEN CHECK (CV) GATE (GV) BUTTERFLY (BFV) PRESSURE RELIEF VALVE (PRV) FLOAT VALVE (FV) DIAPHRAGM (DV) NEEDLE (NV) 3-WAY 3-WAY SOLENOID 4-WAY SOLENOID 4-FUNCTION VALVE FOOT VALVE N.O. – NORMALLY OPEN N.C. – NORMALLY CLOSED	EQUIPMENT SYMBOL MIXER OR AGITATOR (MX) INLINE STATIC MIXER HEATER (HE) ELECTRIC HEATER (EH) INJECTION QUILL EDUCTOR/EJECTOR (ED) POSITIVE DISPLACEMENT PUMP W/MANUAL STROKE ADJUSTMENT (MP) POSITIVE DISPLACEMENT PUMP W/ELECTRIC STROKE ADJUSTMENT (EP) ROTARY COMPRESSOR OR BLOWER AIR FILTER BLOWER OR FAN (BW OR FN) VACUUM PUMP (VP) DIAPHRAGM PUMP (P) CENTRIFUGAL PUMP (P) HIGH PRESSURE PUMP (P) DESICCANT BREATHER VENT PIPE Y-STRAINER RUPTURE DISC DIAPHRAGM SEAL STANDPIPE (SP) CALIBRATION COLUMN (CC) AIR COMPRESSOR (AC) PNEUMATIC VIBRATOR (VB)	RO/UF MODULE FILTER – BASKET (BAF) FILTER (F) HOUSING CLOSED TOP TANK (TK) CONE BOTTOM TANK (TK) OPEN TOP TANK (TK) WITH COVER PLATE HEAT EXCHANGER (HX) SHELL AND TUBE HEAT EXCHANGER (HX) CONE CONSTRAINT (CSTR) PERISTALTIC HOSE PUMP (P) FLEXIBLE CONNECTION	AIR SUPPLY NITROGEN SUPPLY CONCENTRIC REDUCING ECCENTRIC REDUCING ENCLOSURE (CAP) FLANGE END CLOSURE (BLIND FLANGE) END CLOSURE (VIC PLUG) QUICK DISCONNECT UNION SANITARY CONNECTION FLOOR DRAIN OR SUMP BULKHEAD EXPANSION JOINT	INSTRUMENT LINE SYMBOLS PNEUMATIC SIGNAL (ANALOG) PNEUMATIC SIGNAL (DIGITAL) ELECTRICAL SIGNAL (ANALOG – 4–20mA OR 1–10 VDC) ELECTRICAL SIGNAL (FREQUENCY OR PULSE) CAPILLARY TUBING (FILLED TUBING) CONNECTION TO PROCESS, OR INSTRUMENT SUPPLY FLUID LINE SYMBOLS EFFECT 1 BRINE (90°C) EFFECT 2 BRINE (75°C) EFFECT 3 BRINE (60°C) EFFECT 4 BRINE (45°C) EFFECT 5 BRINE (30°C) CIP RAW FEED CONDENSED WATER (70°C – 40°C) THERMAL LOOP (GLYCOL) EVAPORATE COMPRESSED AIR LINE ACID DOSING BASE DOSING ANTIFOAM BIOFILM TREATMENT SOLUTION	INSTRUMENT SYMBOLS LOCALLY MOUNTED PANEL MOUNTED (MAIN OR REMOTE) SHARED DISPLAY (CRT) AND/OR SHARED CONTROL CONTROL SYMBOLS DISCRETE INPUT TO PLC DISCRETE OUTPUT FROM PLC ANALOG INPUT TO PLC ANALOG OUTPUT FROM PLC EQUIPMENT IDENTIFICATION M – MOTOR AS – AIR SEAL VFD – VARIABLE FREQUENCY DRIVE DRY – DRYER MODULE IDENTIFICATION EVP – EVAPORATOR MODULE RAD – RADIATOR MODULE FAN – FAN MODULE MATERIAL ABBREVIATIONS PP – POLYPROPYLENE PVC – POLYVINYL CHLORIDE UPVC – POLYVINYL CHLORIDE P – POLYETHYLENE (N LINE NUMBER) CPVC – CHLORINATED POLYVINYL CHLORIDE C – CHLORINATED POLYVINYL CHLORIDE (N LINE NUMBER) HDPE – HIGH DENSITY POLYETHYLENE PVDF – POLYVINYLIDENE FLUORIDE PVDF – PVDF BEADLESS & CREVICE FREE PVEL – PVDF LINED PTE – TEFLON 304 – 304 STAINLESS STEEL 304L – 304L STAINLESS STEEL 316 – 316 STAINLESS STEEL 316L – 316L STAINLESS STEEL	INSTRUMENT IDENTIFICATION PARAMETER (1ST LETTER) P – PRESSURE F – FLOW T – TEMPERATURE C – CONDUCTIVITY D – DENSITY Z – POSITION A – ANALYTICAL (SEE NOTES) TYPE (2ND AND 3RD LETTER) I – INDICATING/INDICATOR T – TRANSMITTER E – ELEMENT/PROBE A – ALARM S – SWITCH NOTES: 1. THE DESCRIPTION OF AN ANALYTICAL VARIABLE FUNCTION (pH, SiO ₂ , O ₂ , ETC.) SHALL BE SHOWN OUTSIDE THE INSTRUMENT SYMBOL. EXAMPLE: 2. ADD THE SUFFIX L (LOW), LL (LOW-LOW), H (HIGH), HH (HIGH-HIGH), HL (HIGH-LOW), AS REQUIRED. EXAMPLE:											
7																		
6																		
5	CONTROL VALVES/ACTUATORS PRESSURE CONTROL VALVE (PCV) WITH PRESSURE GAUGE DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY CLOSED DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY OPEN DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY OPEN WITH PINCH VALVES SOLENOID VALVE (SV) SOLENOID VALVE (SV) MOTORIZED ACTUATOR MOTORIZED ACTUATOR WITH MANUAL OVERRIDE DOUBLE ACTING DIAPHRAGM ACTUATOR WITH LIMIT STOP DOUBLE ACTING DIAPHRAGM ACTUATOR WITH SPRING TO CLOSE DOUBLE ACTING DIAPHRAGM ACTUATOR WITH SPRING TO OPEN																	
4																		
3			MISCELLANEOUS SYMBOLS LINE, EQUIPMENT OR PRODUCT REFERENCES INTO OR LEAVING DWG. TIE IN TO PIPING BY OTHERS PIPING MATERIAL SPEC. BREAK SOLENOID VALVE OPERATION 3-WAY 3-WAY 4-WAY 4-WAY FAIL OPEN TO PATHS A-C AND D-B															
2	AIR OPERATOR W/POSITIONER				LINE NUMBERING E1BR4-001-P80 FLUID SIZE SCHEDULE MATERIAL SEQUENTIAL NUMBER VALVE NUMBERING 681-015-BA17-0001 AREA CODE VALVE SIZE SEQUENTIAL NUMBER VALVE TYPE	VALVE SIZE CONVERSION <table><tr><th>MM</th><th>INCH</th></tr><tr><td>102</td><td>4</td></tr><tr><td>115</td><td>4 1/2</td></tr><tr><td>125</td><td>5</td></tr><tr><td>150</td><td>6</td></tr></table>	MM	INCH	102	4	115	4 1/2	125	5	150	6	VALVE TYPE CONVERSION BA17 – BALL VALVE BA99 – TIGHT BALL VALVE BF99 – TIGHT BUTTERFLY VALVE (EXCEPT THOSE NOTED "NON TIGHT") CK99 – CHECK VALVE GA99 – GATE VALVE	
MM	INCH																	
102	4																	
115	4 1/2																	
125	5																	
150	6																	
1	Saltworks 13900 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT 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. DO NOT SCALE DRAWING	LTR: N DATE: 06-JUL-2018 K 26-FEB-2018 L 16-MAR-2018 M 08-MAY-2018	DESCRIPTION: PINCH VALVE LEGEND ADDED NO CHANGES NO CHANGES NO CHANGES	REV. BY: JLAU — — —	TITLE: SALTMAKER GEN III PROJECT: SALTMAKER GEN III CUSTOMER: AGNICO EAGLE MINES PREPARED BY: SN DATE: 22-FEB-2018 DWG. NO.: LEGEND CHECKED BY: XXIAO DATE: 23-FEB-2018 JOB/CD NO.: APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: # OF #	REVISION: N											

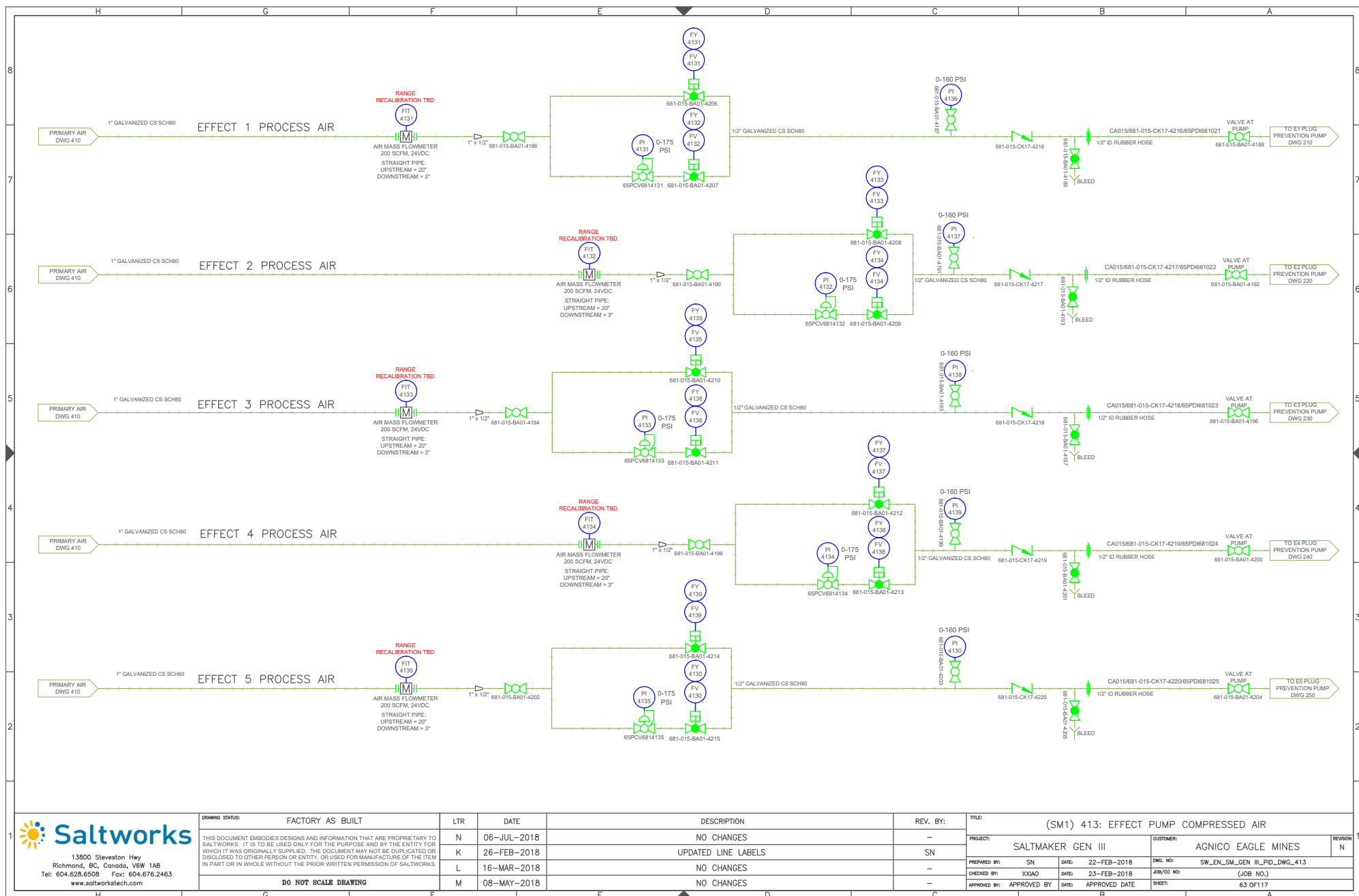




13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
		N	06-JUL-2018	NO CHANGES	—	(SM1) 411: EH1/EH2 EXTRACT AND CIP AIR	SALTMAKER GEN III	AGNICO EAGLE MINES	N
		K	26-FEB-2018	UPDATED LINE LABLES	SN				
		L	16-MAR-2018	NO CHANGES	—				
		M	08-MAY-2018	NO CHANGES	—				
DO NOT SCALE DRAWING									
PREPARED BY:	SN	DATE:	22-FEB-2018	DWG. NO:	SW_EN_SM_GEN_III_PID_DWG_411	CHECKED BY:	XXIAO	DATE:	23-FEB-2018
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	61 OF 117				



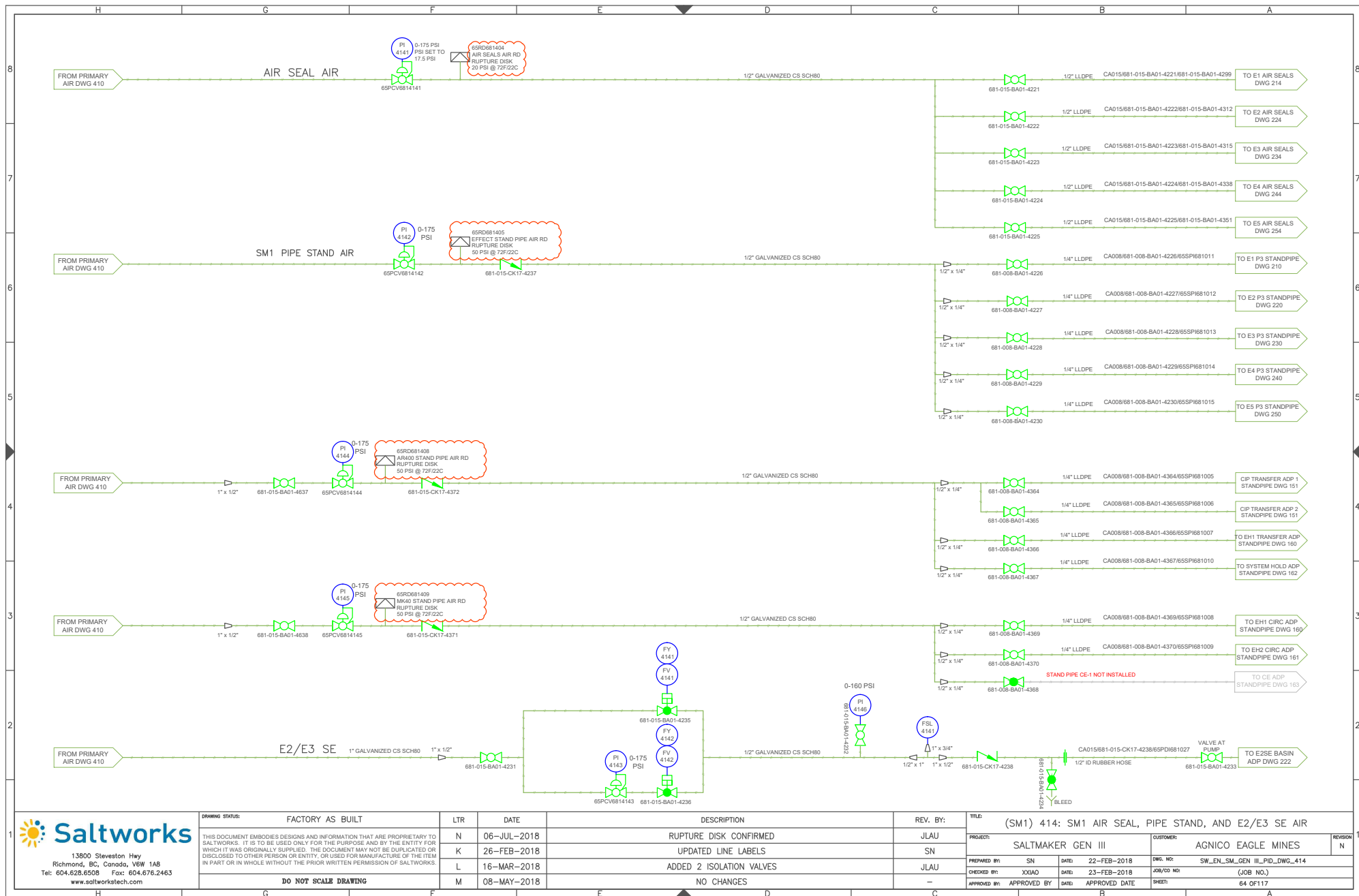


13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:	FACTORY AS BUILT
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.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION
N	06-JUL-2018	NO CHANGES
K	26-FEB-2018	UPDATED LINE LABELS
L	16-MAR-2018	NO CHANGES
M	08-MAY-2018	NO CHANGES

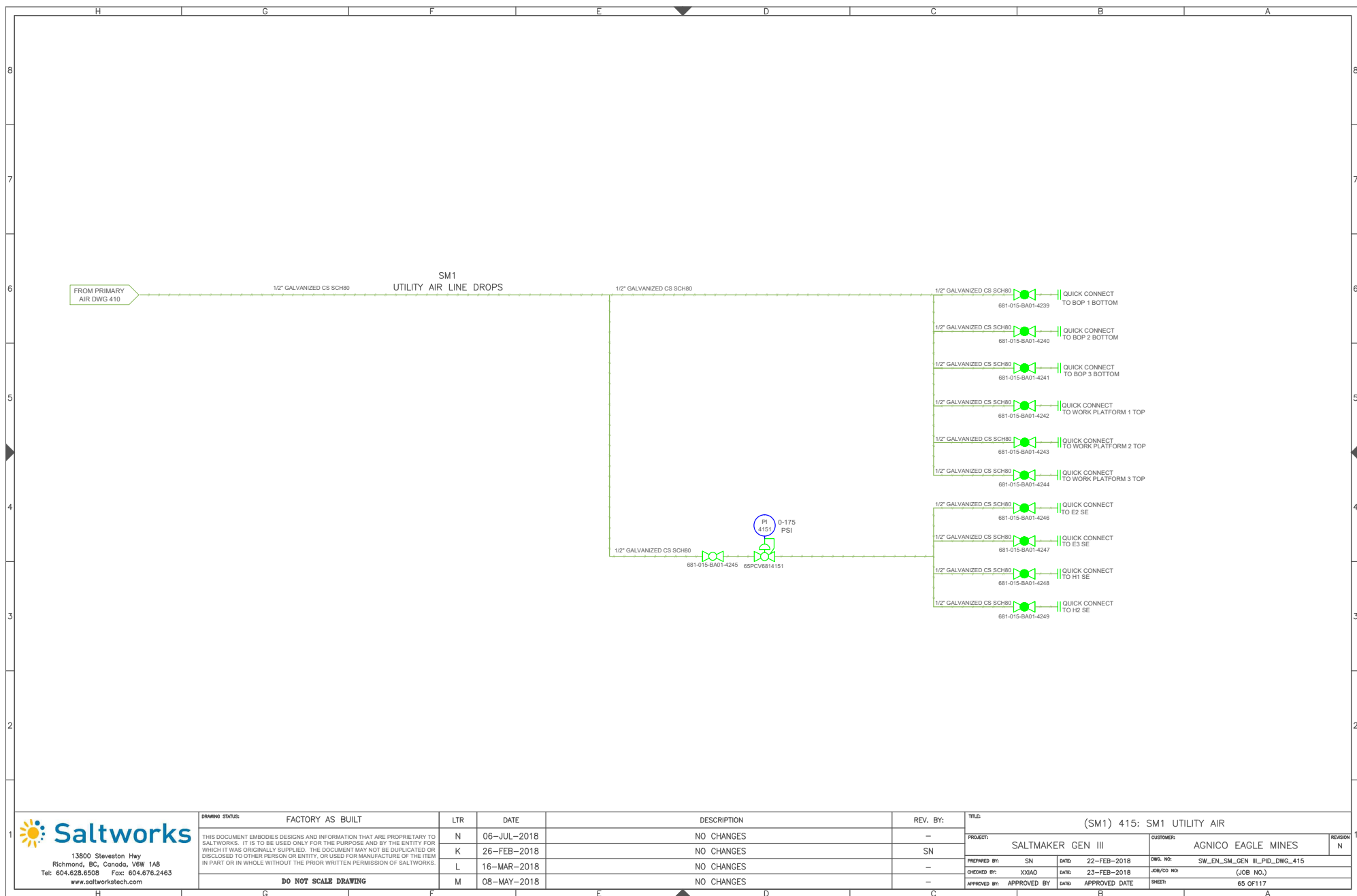
REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
—	(SM1) 413: EFFECT PUMP COMPRESSED AIR	SALTMAKER GEN III	AGNICO EAGLE MINES	N
—	—	PREPARED BY: SN	DATE: 22-FEB-2018	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_413
—	—	CHECKED BY: XXIAO	DATE: 23-FEB-2018	JOB/CD NO: (JOB NO.)
—	—	APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: 63 OF 117

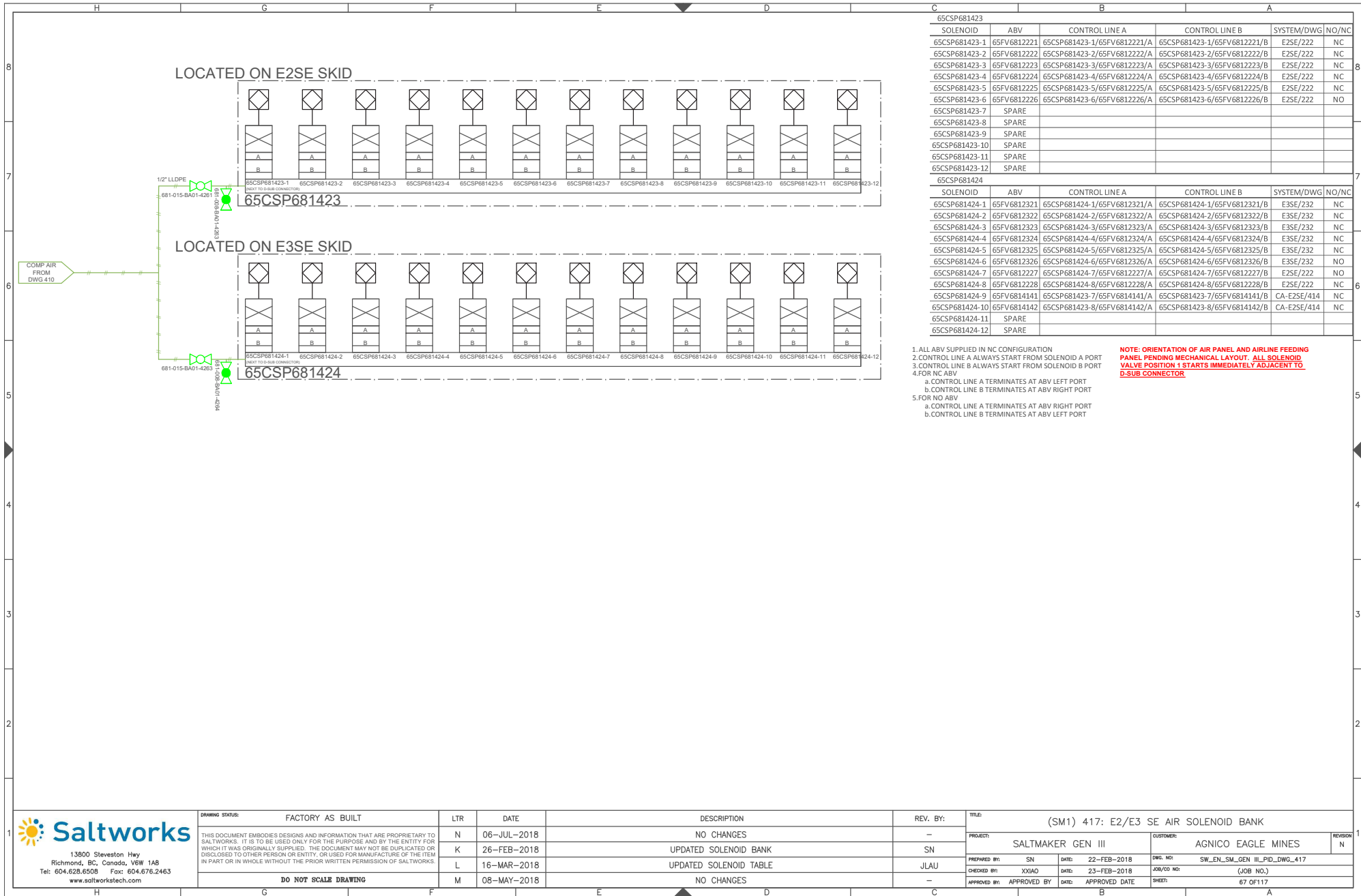


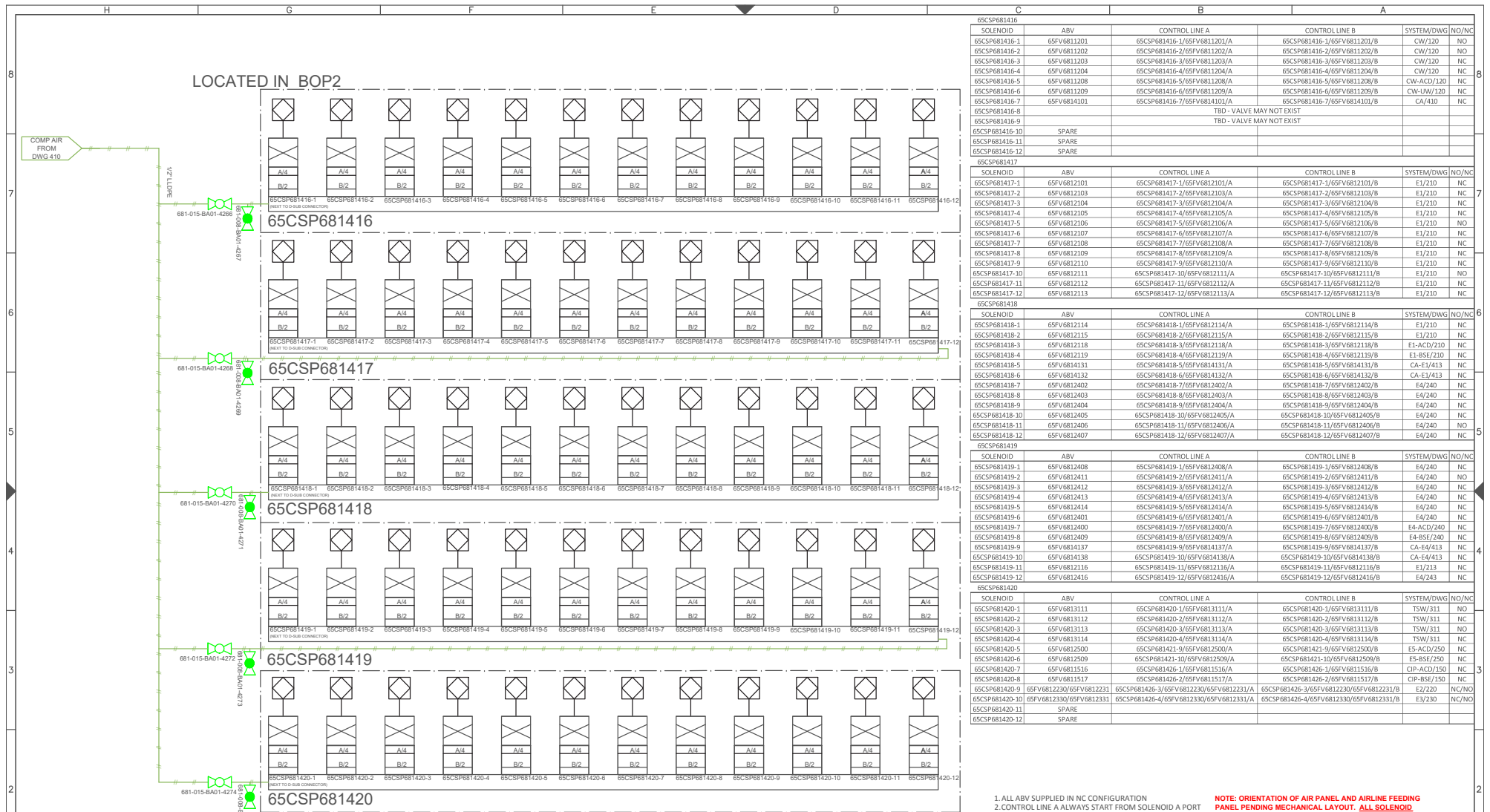
DRAWING STATUS:	FACTORY AS BUILT
THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION
N	06-JUL-2018	RUPTURE DISK CONFIRMED
K	26-FEB-2018	UPDATED LINE LABELS
L	16-MAR-2018	ADDED 2 ISOLATION VALVES
M	08-MAY-2018	NO CHANGES

REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
JLAU	(SM1) 414: SM1 AIR SEAL, PIPE STAND, AND E2/E3 SE AIR	SALTMAKER GEN III	AGNICO EAGLE MINES	N
SN	22-FEB-2018	DWG. NO:	SW_EN_SM_GEN_III_PID_DWG_414	
XXIAO	23-FEB-2018	JOB/CD NO:	(JOB NO.)	
APPROVED BY:	APPROVED DATE	SHEET:	64 OF 117	



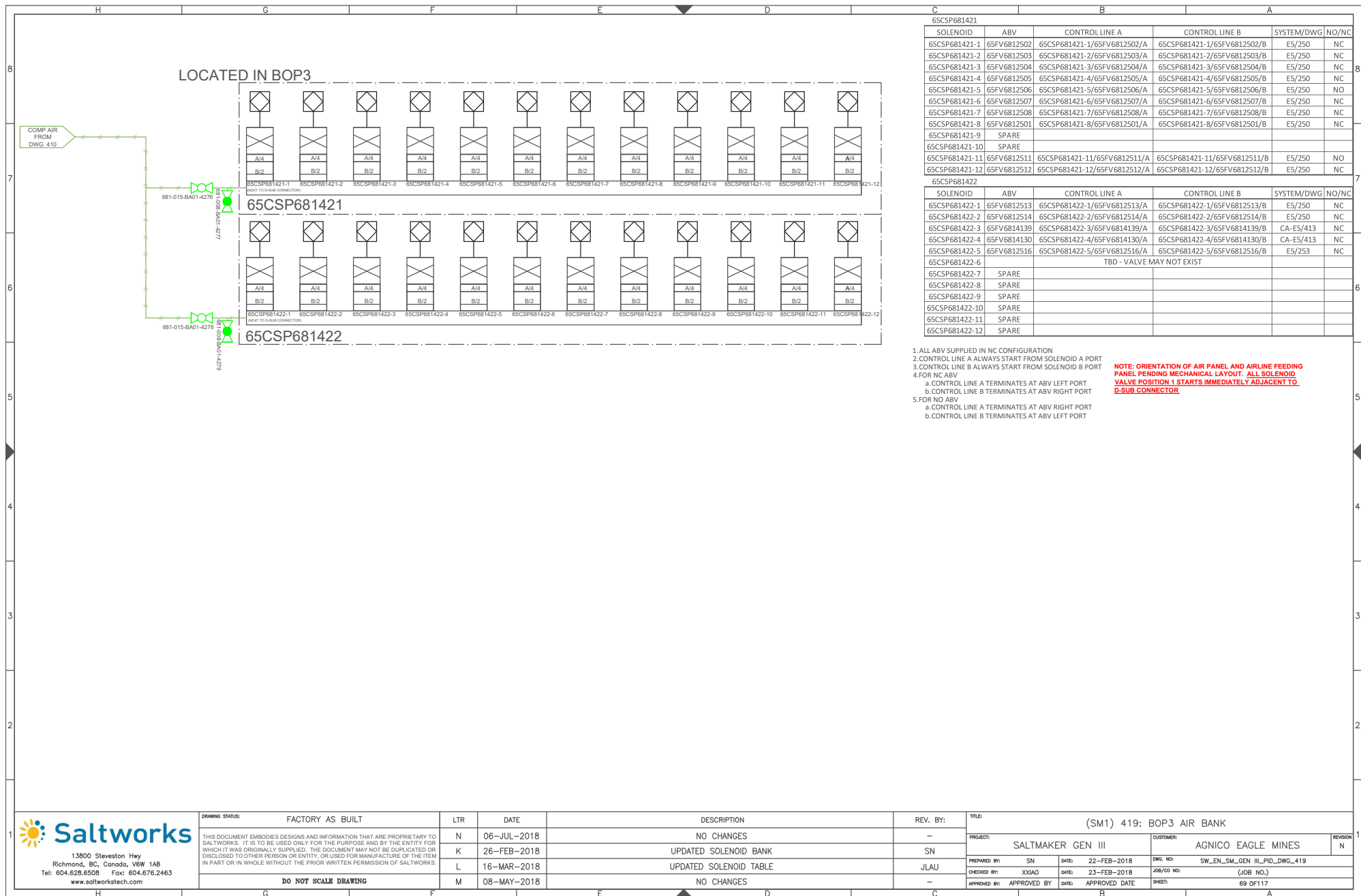




1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
b. CONTROL LINE B TERMINATES AT ABV LEFT PORT
- NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO D-SUB CONNECTOR**

DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION
		N	06-JUL-2018	NO CHANGES
		K	26-FEB-2018	UPDATED SOLENOID BANK, LINES MATCH AS BUILT
		L	16-MAR-2018	UPDATED SOLENOID TABLE
		M	08-MAY-2018	UPDATED SOLENOID TABLE
DO NOT SCALE DRAWING				

REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
	(SM1) 418: BOP2 AIR SOLENOID BANK	SALTMAKER GEN III	AGNICO EAGLE MINES	N
PREPARED BY: SN	DATE: 22-FEB-2018	DWG. NO:	SW_ENL_SM_GEN_III_ILD_DWG_418	
CHECKED BY: XXIAO	DATE: 23-FEB-2018	JOB/CD NO:	(JOB NO.)	
APPROVED BY: JLAU	DATE: APPROVED DATE	SHEET:	68 OF 117	

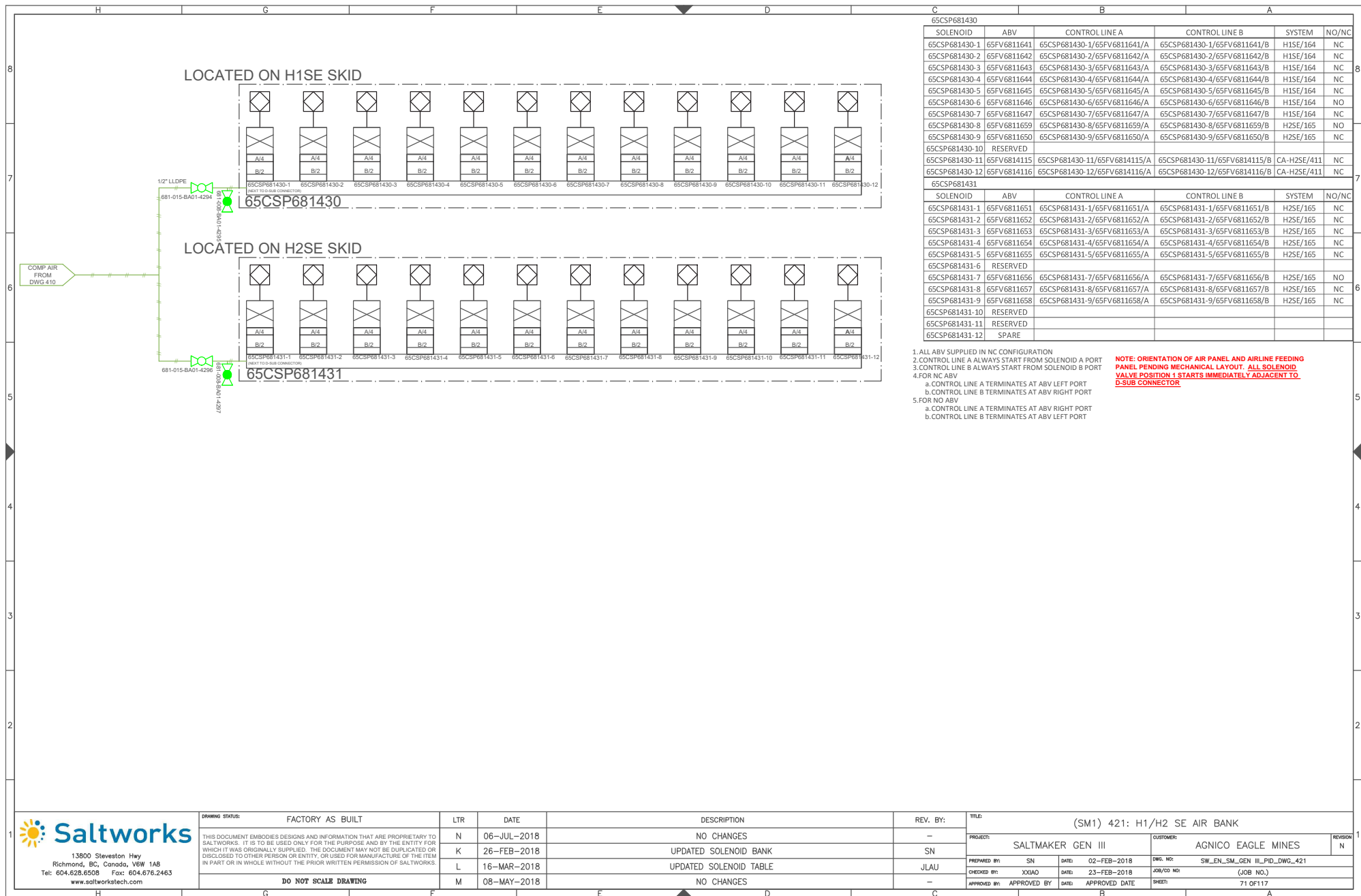


65CSP681421		CONTROL LINE A		CONTROL LINE B	SYSTEM/DWG	NO/NC
SOLENOID	ABV					
65CSP681421-1	65FV6812502	65CSP681421-1/65FV6812502/A	65CSP681421-1/65FV6812502/B	E5/250	NC	
65CSP681421-2	65FV6812503	65CSP681421-2/65FV6812503/A	65CSP681421-2/65FV6812503/B	E5/250	NC	
65CSP681421-3	65FV6812504	65CSP681421-3/65FV6812504/A	65CSP681421-3/65FV6812504/B	E5/250	NC	
65CSP681421-4	65FV6812505	65CSP681421-4/65FV6812505/A	65CSP681421-4/65FV6812505/B	E5/250	NC	
65CSP681421-5	65FV6812506	65CSP681421-5/65FV6812506/A	65CSP681421-5/65FV6812506/B	E5/250	NO	
65CSP681421-6	65FV6812507	65CSP681421-6/65FV6812507/A	65CSP681421-6/65FV6812507/B	E5/250	NC	
65CSP681421-7	65FV6812508	65CSP681421-7/65FV6812508/A	65CSP681421-7/65FV6812508/B	E5/250	NC	
65CSP681421-8	65FV6812501	65CSP681421-8/65FV6812501/A	65CSP681421-8/65FV6812501/B	E5/250	NC	
65CSP681421-9	SPARE					
65CSP681421-10	SPARE					
65CSP681421-11	65FV6812511	65CSP681421-11/65FV6812511/A	65CSP681421-11/65FV6812511/B	E5/250	NO	
65CSP681421-12	65FV6812512	65CSP681421-12/65FV6812512/A	65CSP681421-12/65FV6812512/B	E5/250	NC	
65CSP681422		CONTROL LINE A		CONTROL LINE B	SYSTEM/DWG	NO/NC
SOLENOID	ABV					
65CSP681422-1	65FV6812513	65CSP681422-1/65FV6812513/A	65CSP681422-1/65FV6812513/B	E5/250	NC	
65CSP681422-2	65FV6812514	65CSP681422-2/65FV6812514/A	65CSP681422-2/65FV6812514/B	E5/250	NC	
65CSP681422-3	65FV6814139	65CSP681422-3/65FV6814139/A	65CSP681422-3/65FV6814139/B	CA-E5/413	NC	
65CSP681422-4	65FV6814130	65CSP681422-4/65FV6814130/A	65CSP681422-4/65FV6814130/B	CA-E5/413	NC	
65CSP681422-5	65FV6812516	65CSP681422-5/65FV6812516/A	65CSP681422-5/65FV6812516/B	E5/253	NC	
65CSP681422-6		TBD - VALVE MAY NOT EXIST				
65CSP681422-7	SPARE					
65CSP681422-8	SPARE					
65CSP681422-9	SPARE					
65CSP681422-10	SPARE					
65CSP681422-11	SPARE					
65CSP681422-12	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
- NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO D-SUB CONNECTOR**


13800 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:		FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM1) 419: BOP3 AIR 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.			N	06-JUL-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III		
			K	26-FEB-2018	UPDATED SOLENOID BANK	SN	CUSTOMER: AGNICO EAGLE MINES		
			L	16-MAR-2018	UPDATED SOLENOID TABLE	JLAU	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_419		
			M	08-MAY-2018	NO CHANGES	-	JOB/CD NO: (JOB NO.)		
DO NOT SCALE DRAWING							APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: 69 OF 117		





COMPRESSED AIR - SM2
REVISION N

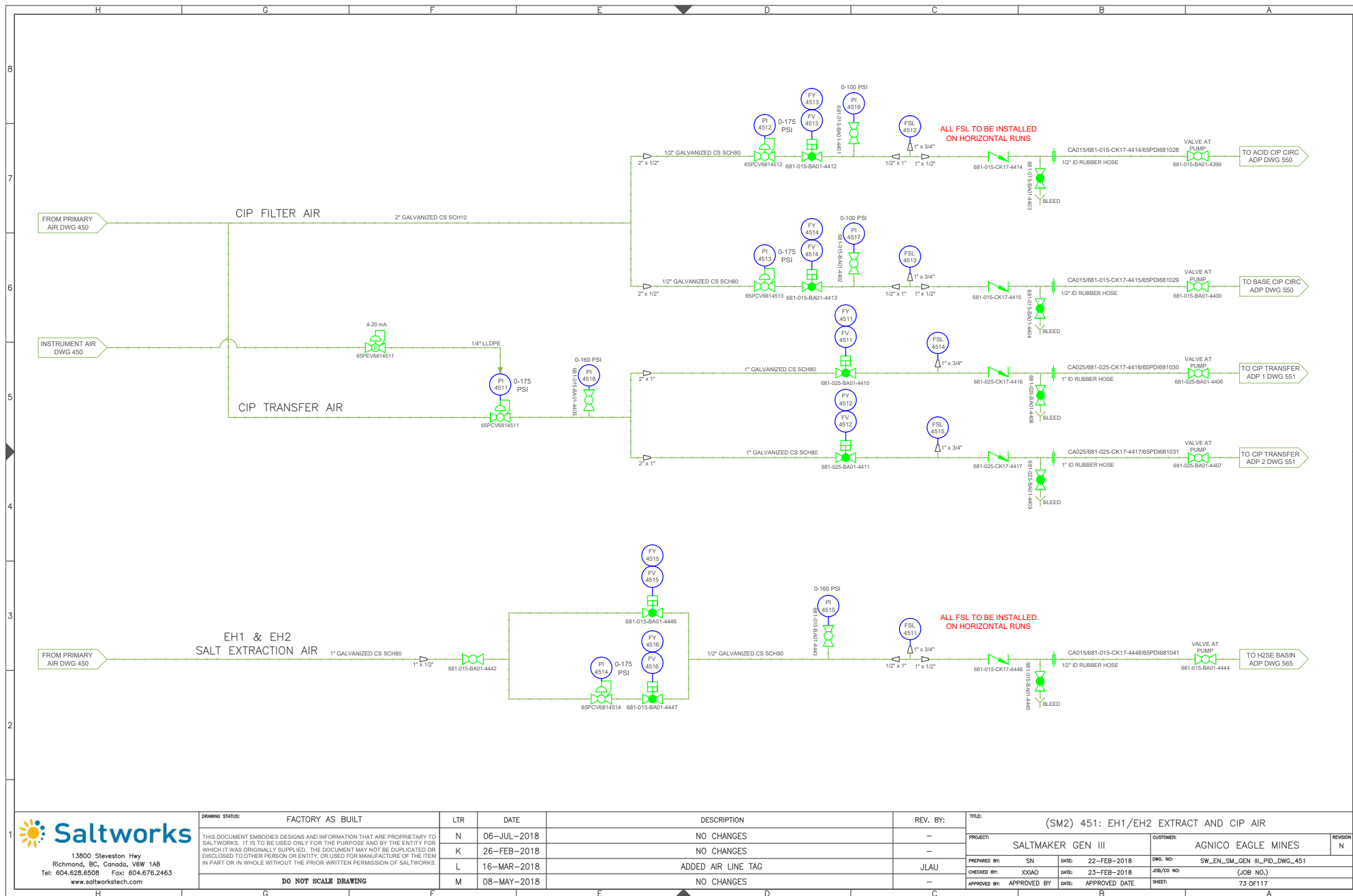
 13900 Stevenson Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: COVER SHEET				REVISION N
	THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED 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.		N	06-JUL-2018	AS MARKED BY REVISION CLOUDS	JLAU	PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES		
			K	26-FEB-2018	VALVE TAGS, LINE LABELS	SN	PREPARED BY: SN		DATE: 22-FEB-2018	DWG. NO: COVER SHEET	
			L	16-MAR-2018	AS MARKED BY REVISION CLOUDS	JLAU	CHECKED BY: XXIAO		DATE: 23-FEB-2018	JOB/CO NO: (JOB NO.)	
			M	08-MAY-2018	AS MARKED BY REVISION CLOUDS	JLAU	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	SHEET: # OF #	
DO NOT SCALE DRAWING											

DRAWING LIST 1			
SHEET NO.	DRAWING NO.	DESCRIPTION	
		COVER SHEET	
		DRAWING LIST 1	
		DRAWING LIST 2	
		LEGEND	
		COMMON	
1	SW_EN_SM_AEM-01_PID_COMMON_DWG_000	MASTER PFD	
2	SW_EN_SM_AEM-01_PID_COMMON_DWG_010	PROCESS FLOW DIAGRAM	
3	SW_EN_SM_AEM-01_PID_COMMON_DWG_020	CONTAINER LAYOUT	
4	SW_EN_SM_AEM-01_PID_COMMON_DWG_030	MODULES LAYOUT	
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	
7	SW_EN_SM_AEM-01_PID_COMMON_DWG_050	CLEAN RESERVE AND BLOWDOWN SYSTEMS	
8	SW_EN_SM_AEM-01_PID_COMMON_DWG_060	ACID DOSING SYSTEM	
9	SW_EN_SM_AEM-01_PID_COMMON_DWG_061	BASE DOSING SYSTEM	
10	SW_EN_SM_AEM-01_PID_COMMON_DWG_062	BIOCIDE DOSING SYSTEM	
11	SW_EN_SM_AEM-01_PID_COMMON_DWG_063	ANTI-FOAM DOSING SYSTEM	
12	SW_EN_SM_AEM-01_PID_COMMON_DWG_064	ANTISCALANT DOSING SYSTEM	
13	SW_EN_SM_AEM-01_PID_COMMON_DWG_070	UTILITY WATER DISTRIBUTION	
		SALTMAKER 1 (SM1)	
14	SW_EN_SM_AEM-01_PID_SM1_DWG_110	THERMAL SOURCE PRIMARY HEAT EXCHANGERS	
15	SW_EN_SM_AEM-01_PID_SM1_DWG_120	CONDENSED WATER SYSTEM	
16	SW_EN_SM_AEM-01_PID_SM1_DWG_130	FEED DISTRIBUTION	
17	SW_EN_SM_AEM-01_PID_SM1_DWG_150	CIP TANKS	
18	SW_EN_SM_AEM-01_PID_SM1_DWG_151	CIP PUMP SKID	
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	
21	SW_EN_SM_AEM-01_PID_SM1_DWG_162	SYSTEM HOLD	
22	SW_EN_SM_AEM-01_PID_SM1_DWG_163	CALCIUM EXTRACTION	
23	SW_EN_SM_AEM-01_PID_SM1_DWG_164	EH1 SOLIDS EXTRACTION	
24	SW_EN_SM_AEM-01_PID_SM1_DWG_165	EH2 SOLIDS EXTRACTION	
25	SW_EN_SM_AEM-01_PID_SM1_DWG_180	DRIP TRAYS	
26	SW_EN_SM_AEM-01_PID_SM1_DWG_210	EFFECT 1 TANK AND PUMPS	
27	SW_EN_SM_AEM-01_PID_SM1_DWG_211	EFFECT 1 MODULES	
28	SW_EN_SM_AEM-01_PID_SM1_DWG_213	EFFECT 1 PUMP SEAL FLUSH	
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS	
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS	
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES	
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION	
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH	
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS	
		EFFECT 3 TANK AND PUMPS	
		EFFECT 3 MODULES	
		EFFECT 3 SOLIDS EXTRACTION	
		EFFECT 3 PUMP SEAL FLUSH	
		EFFECT 3 AIR SEALS	
		EFFECT 4 TANK AND PUMPS	
		EFFECT 4 MODULES	
		EFFECT 4 PUMP SEAL FLUSH	
		EFFECT 4 AIR SEALS	
		EFFECT 5 TANK AND PUMPS	
		EFFECT 5 MODULES	
		EFFECT 5 PUMP SEAL FLUSH	
		EFFECT 5 AIR SEALS	
		THERMAL SYSTEM	
		THERMAL SKID: WATER LOOP	
		THERMAL SKID: WATER LOOP	
		THERMAL SKID: GYLCOOL LOOP	
		POST TREATMENT	
		NITRITE DESTRUCTION AND RO PC SYSTEM	
		AMMONIA DESTRUCTION SYSTEM	
		RO BRINE FLUSH TANK	
		RO PERMEATE TANK	
		COMPRESSED AIR-COMMON PACKAGE	
		COMPRESSED AIR SYSTEM	
		AMMONIA DES, BRINE BLOWDOWN AND PLANT	
		FEED AIR	
		CHEMICAL DOSING AND ANCILLARY STAND PIPE	
		AIR	
		COMMON AND POST TREATMENT AIR BANK 1	
		COMMON AND POST TREATMENT AIR BANK 2	
		COMPRESSED AIR-SM1	
		SM INSTRUMENT AND PROCESS AIR	
		EH1/EH2 EXTRACT AND CIP AIR	

SHEET NO.	DRAWING NO.	DESCRIPTION	
35	SW_EN_SM_AEM-01_PID_SM1_DWG_230	EFFECT 3 TANK AND PUMPS	
36	SW_EN_SM_AEM-01_PID_SM1_DWG_231	EFFECT 3 MODULES	
37	SW_EN_SM_AEM-01_PID_SM1_DWG_232	EFFECT 3 SOLIDS EXTRACTION	
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	
40	SW_EN_SM_AEM-01_PID_SM1_DWG_240	EFFECT 4 TANK AND PUMPS	
41	SW_EN_SM_AEM-01_PID_SM1_DWG_241	EFFECT 4 MODULES	
42	SW_EN_SM_AEM-01_PID_SM1_DWG_243	EFFECT 4 PUMP SEAL FLUSH	
43	SW_EN_SM_AEM-01_PID_SM1_DWG_244	EFFECT 4 AIR SEALS	
44	SW_EN_SM_AEM-01_PID_SM1_DWG_250	EFFECT 5 TANK AND PUMPS	
45	SW_EN_SM_AEM-01_PID_SM1_DWG_251	EFFECT 5 MODULES	
46	SW_EN_SM_AEM-01_PID_SM1_DWG_253	EFFECT 5 PUMP SEAL FLUSH	
47	SW_EN_SM_AEM-01_PID_SM1_DWG_254	EFFECT 5 AIR SEALS	
48	SW_EN_SM_AEM-01_PID_DWG_310	THERMAL SKID: WATER LOOP	
49	SW_EN_SM_AEM-01_PID_DWG_311	THERMAL SKID: WATER LOOP	
50	SW_EN_SM_AEM-01_PID_DWG_312	THERMAL SKID: GYLCOOL LOOP	
51	SW_EN_SM_AEM-01_PID_COMMON_DWG_320	NITRITE DESTRUCTION AND RO PC SYSTEM	
52	SW_EN_SM_AEM-01_PID_COMMON_DWG_321	AMMONIA DESTRUCTION SYSTEM	
53	SW_EN_SM_AEM-01_PID_COMMON_DWG_322	RO BRINE FLUSH TANK	
54	SW_EN_SM_AEM-01_PID_COMMON_DWG_323	RO PERMEATE TANK	
55	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_400	COMPRESSED AIR-COMMON PACKAGE	
56	SW_EN_SM_AEM-01_PID_COMPRESSED_AIR-COMMON_DWG_401	COMPRESSED AIR SYSTEM	
57			

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

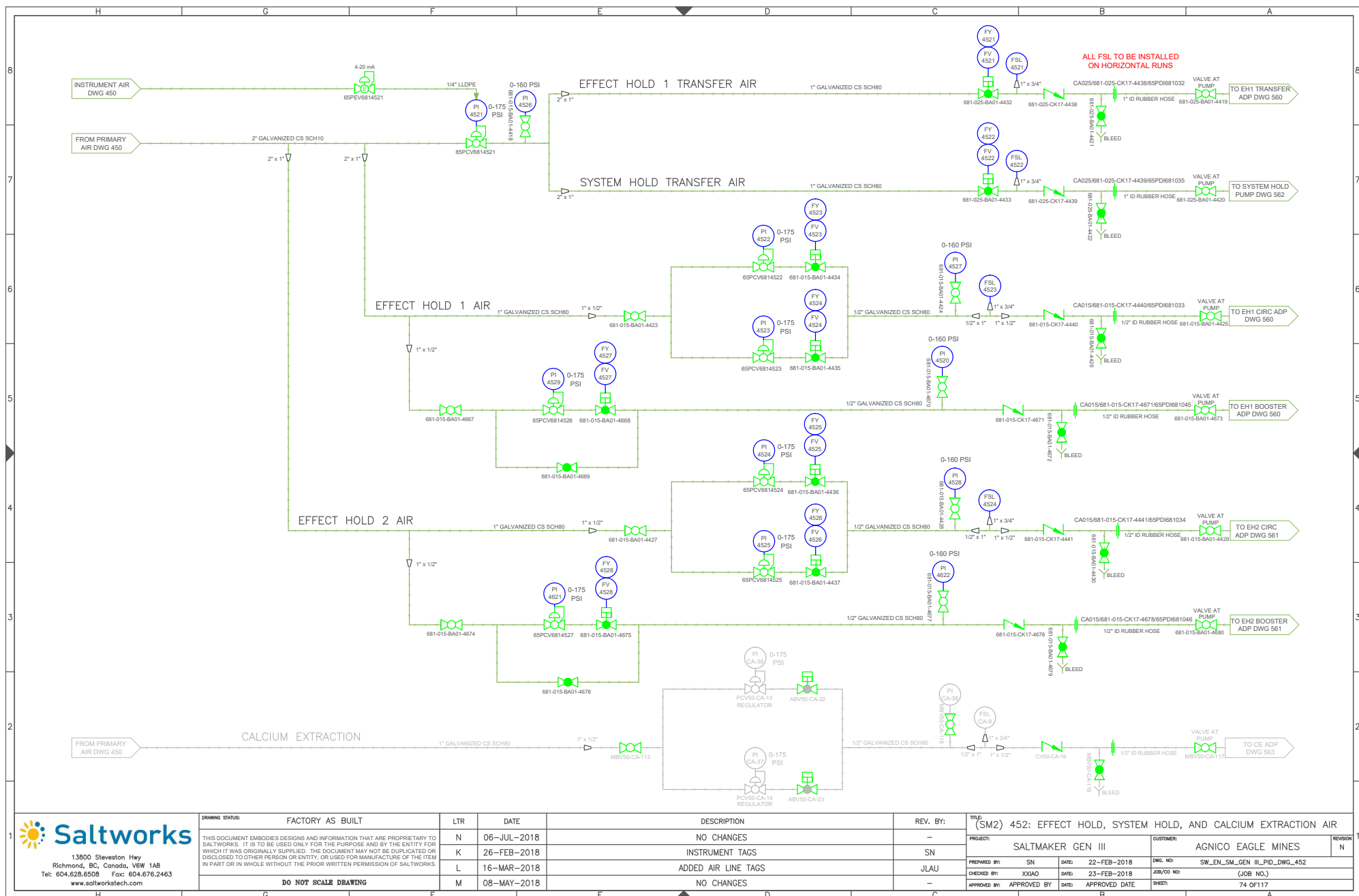
	H	G	F	E	D	C	B	A																													
8	VALVES MANUAL BALL (MBV) – NORMALLY CLOSED MANUAL BALL (MBV) – NORMALLY OPEN CHECK (CV) GATE (GV) BUTTERFLY (BFV) PRESSURE RELIEF VALVE (PRV) FLOAT VALVE (FV) DIAPHRAGM (DV) NEEDLE (NV) 3-WAY 3-WAY SOLENOID 4-WAY SOLENOID 4-FUNCTION VALVE FOOT VALVE N.O. – NORMALLY OPEN N.C. – NORMALLY CLOSED	EQUIPMENT SYMBOL MIXER OR AGITATOR (MX) INLINE STATIC MIXER HEATER (HE) ELECTRIC HEATER (EH) INJECTION QUILL EDUCTOR/EJECTOR (ED) POSITIVE DISPLACEMENT PUMP W/MANUAL STROKE ADJUSTMENT (MP) POSITIVE DISPLACEMENT PUMP W/ELECTRIC STROKE ADJUSTMENT (EP) ROTARY COMPRESSOR OR BLOWER AIR FILTER BLOWER OR FAN (BW OR FN) VACUUM PUMP (VP) DIAPHRAGM PUMP (P) CENTRIFUGAL PUMP (P) HIGH PRESSURE PUMP (P) DESICCANT BREATHER VENT PIPE Y-STRAINER RUPTURE DISC DIAPHRAGM SEAL STANDPIPE (SP) CALIBRATION COLUMN (CC) AIR OPERATOR W/POSITIONER AIR COMPRESSOR (AC) PNEUMATIC VIBRATOR (VB)	RO/UF MODULE FILTER – BASKET (BAF) FILTER (F) HOUSING CLOSED TOP TANK (TK) CONE BOTTOM TANK (TK) OPEN TOP TANK (TK) WITH COVER PLATE HEAT EXCHANGER (HX) SHELL AND TUBE HEAT EXCHANGER (HX) CONE CONSTRAINT (CSTR) PERISTALTIC HOSE PUMP (P) FLEXIBLE CONNECTION	AIR SUPPLY NITROGEN SUPPLY CONCENTRIC REDUCING ECCENTRIC REDUCING ENCLOSURE (CAP) FLANGE END CLOSURE (BLIND FLANGE) END CLOSURE (VIC PLUG) QUICK DISCONNECT UNION SANITARY CONNECTION FLOOR DRAIN OR SUMP BULKHEAD EXPANSION JOINT	INSTRUMENT LINE SYMBOLS PNEUMATIC SIGNAL (ANALOG) PNEUMATIC SIGNAL (DIGITAL) ELECTRICAL SIGNAL (ANALOG – 4–20mA OR 1–10 VDC) ELECTRICAL SIGNAL (FREQUENCY OR PULSE) CAPILLARY TUBING (FILLED TUBING) CONNECTION TO PROCESS, OR INSTRUMENT SUPPLY FLUID LINE SYMBOLS EFFECT 1 BRINE (90°C) EFFECT 2 BRINE (75°C) EFFECT 3 BRINE (60°C) EFFECT 4 BRINE (45°C) EFFECT 5 BRINE (30°C) CIP RAW FEED CONDENSED WATER (70°C – 40°C) THERMAL LOOP (OILCOOL) EVAPORATE COMPRESSED AIR LINE ACID DOSING BASE DOSING ANTIFOAM BIOFILM TREATMENT SOLUTION	INSTRUMENT SYMBOLS LOCALLY MOUNTED PANEL MOUNTED (MAIN OR REMOTE) SHARED DISPLAY (CRT) AND/OR SHARED CONTROL CONTROL SYMBOLS DISCRETE INPUT TO PLC DISCRETE OUTPUT FROM PLC ANALOG INPUT TO PLC ANALOG OUTPUT FROM PLC EQUIPMENT IDENTIFICATION M – MOTOR AS – AIR SEAL VFD – VARIABLE FREQUENCY DRIVE DRY – DRYER MODULE IDENTIFICATION EVP – EVAPORATOR MODULE RAD – RADIATOR MODULE FAN – FAN MODULE MATERIAL ABBREVIATIONS PP – POLYPROPYLENE PVC – POLYVINYL CHLORIDE UPVC – POLYVINYL CHLORIDE P – POLYETHYLENE (N LINE NUMBER) CPVC – CHLORINATED POLYVINYL CHLORIDE C – CHLORINATED POLYVINYL CHLORIDE (N LINE NUMBER) HDPE – HIGH DENSITY POLYETHYLENE PVDF – POLYVINYLIDENE FLUORIDE PVDF – PVDF BEADLESS & CREVICE FREE PVEL – PVDF LINED PTFE – TEFLON 304 – 304 STAINLESS STEEL 304L – 304L STAINLESS STEEL 316 – 316 STAINLESS STEEL 316L – 316L STAINLESS STEEL	INSTRUMENT IDENTIFICATION PARAMETER (1ST LETTER) P – PRESSURE F – FLOW T – TEMPERATURE C – CONDUCTIVITY D – DENSITY Z – POSITION A – ANALYTICAL (SEE NOTES) TYPE (2ND AND 3RD LETTER) I – INDICATING/INDICATOR T – TRANSMITTER E – ELEMENT/PROBE A – ALARM S – SWITCH NOTES: 1. THE DESCRIPTION OF AN ANALYTICAL VARIABLE FUNCTION (pH, SiO ₂ , O ₂ , ETC.) SHALL BE SHOWN OUTSIDE THE INSTRUMENT SYMBOL. EXAMPLE: 2. ADD THE SUFFIX L (LOW), LL (LOW-LOW), H (HIGH), HH (HIGH-HIGH), HL (HIGH-LOW), AS REQUIRED. EXAMPLE:																														
7																																					
6																																					
5	CONTROL VALVES/ACTUATORS PRESSURE CONTROL VALVE (PCV) WITH PRESSURE GAUGE DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY CLOSED DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY OPEN DOUBLE ACTING ACTUATED BALL VALVE (ABV) – NORMALLY OPEN WITH PINCH VALVES SOLENOID VALVE (SV) SOLENOID VALVE (SV) MOTORIZED ACTUATOR MOTORIZED ACTUATOR WITH MANUAL OVERRIDE DOUBLE ACTING DIAPHRAGM ACTUATOR WITH LIMIT STOP DOUBLE ACTING DIAPHRAGM ACTUATOR WITH SPRING TO CLOSE DOUBLE ACTING DIAPHRAGM ACTUATOR WITH SPRING TO OPEN																																				
4																																					
3			MISCELLANEOUS SYMBOLS LINE, EQUIPMENT OR PRODUCT REFERENCES INTO OR LEAVING DWG. TIE IN TO PIPING BY OTHERS PIPING MATERIAL SPEC. BREAK SOLENOID VALVE OPERATION 3-WAY 3-WAY 4-WAY 4-WAY FAIL OPEN TO PATHS A-C AND D-B																																		
2					LINE NUMBERING FLUID SIZE SCHEDULE MATERIAL SEQUENTIAL NUMBER VALVE NUMBERING AREA CODE VALVE SIZE VALVE TYPE SEQUENTIAL NUMBER	VALVE SIZE CONVERSION <table><tr><th>MM</th><th>INCH</th></tr><tr><td>008</td><td>1/4</td></tr><tr><td>015</td><td>1/2</td></tr><tr><td>025</td><td>1</td></tr><tr><td>050</td><td>2</td></tr><tr><td>100</td><td>4</td></tr><tr><td>150</td><td>6</td></tr></table>	MM	INCH	008	1/4	015	1/2	025	1	050	2	100	4	150	6	VALVE TYPE CONVERSION <table><tr><td>BA17</td><td>- BALL VALVE</td></tr><tr><td>BA99</td><td>- TOUGH BALL VALVE</td></tr><tr><td>BF99</td><td>- TOUGH BUTTERFLY VALVE (EXCEPT THOSE NOTED "NON TOUGH")</td></tr><tr><td>CK99</td><td>- CHECK VALVE</td></tr><tr><td>GA99</td><td>- GATE VALVE</td></tr></table>	BA17	- BALL VALVE	BA99	- TOUGH BALL VALVE	BF99	- TOUGH BUTTERFLY VALVE (EXCEPT THOSE NOTED "NON TOUGH")	CK99	- CHECK VALVE	GA99	- GATE VALVE						
MM	INCH																																				
008	1/4																																				
015	1/2																																				
025	1																																				
050	2																																				
100	4																																				
150	6																																				
BA17	- BALL VALVE																																				
BA99	- TOUGH BALL VALVE																																				
BF99	- TOUGH BUTTERFLY VALVE (EXCEPT THOSE NOTED "NON TOUGH")																																				
CK99	- CHECK VALVE																																				
GA99	- GATE VALVE																																				
1	Saltworks 13900 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT 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. DO NOT SCALE DRAWING	<table><tr><td>LTR</td><td>DATE</td><td>DESCRIPTION</td><td>REV. BY:</td><td>TITLE:</td></tr><tr><td>N</td><td>06-JUL-2018</td><td>NO CHANGES</td><td>—</td><td>PROJECT: SALTMAKER GEN III</td></tr><tr><td>K</td><td>26-FEB-2018</td><td>NO CHANGES</td><td>—</td><td>CUSTOMER: AGNICO EAGLE MINES</td></tr><tr><td>L</td><td>16-MAR-2018</td><td>NO CHANGES</td><td>—</td><td>PREPARED BY: SN DATE: 22-FEB-2018 DWG. NO: LEGEND</td></tr><tr><td>M</td><td>08-MAY-2018</td><td>NO CHANGES</td><td>—</td><td>CHECKED BY: XXIAO DATE: 23-FEB-2018 JOB/CD NO: (JOB NO.)</td></tr><tr><td></td><td></td><td></td><td></td><td>APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: # OF #</td></tr></table>	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:	N	06-JUL-2018	NO CHANGES	—	PROJECT: SALTMAKER GEN III	K	26-FEB-2018	NO CHANGES	—	CUSTOMER: AGNICO EAGLE MINES	L	16-MAR-2018	NO CHANGES	—	PREPARED BY: SN DATE: 22-FEB-2018 DWG. NO: LEGEND	M	08-MAY-2018	NO CHANGES	—	CHECKED BY: XXIAO DATE: 23-FEB-2018 JOB/CD NO: (JOB NO.)					APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: # OF #				
LTR	DATE	DESCRIPTION	REV. BY:	TITLE:																																	
N	06-JUL-2018	NO CHANGES	—	PROJECT: SALTMAKER GEN III																																	
K	26-FEB-2018	NO CHANGES	—	CUSTOMER: AGNICO EAGLE MINES																																	
L	16-MAR-2018	NO CHANGES	—	PREPARED BY: SN DATE: 22-FEB-2018 DWG. NO: LEGEND																																	
M	08-MAY-2018	NO CHANGES	—	CHECKED BY: XXIAO DATE: 23-FEB-2018 JOB/CD NO: (JOB NO.)																																	
				APPROVED BY: APPROVED BY DATE: APPROVED DATE SHEET: # OF #																																	



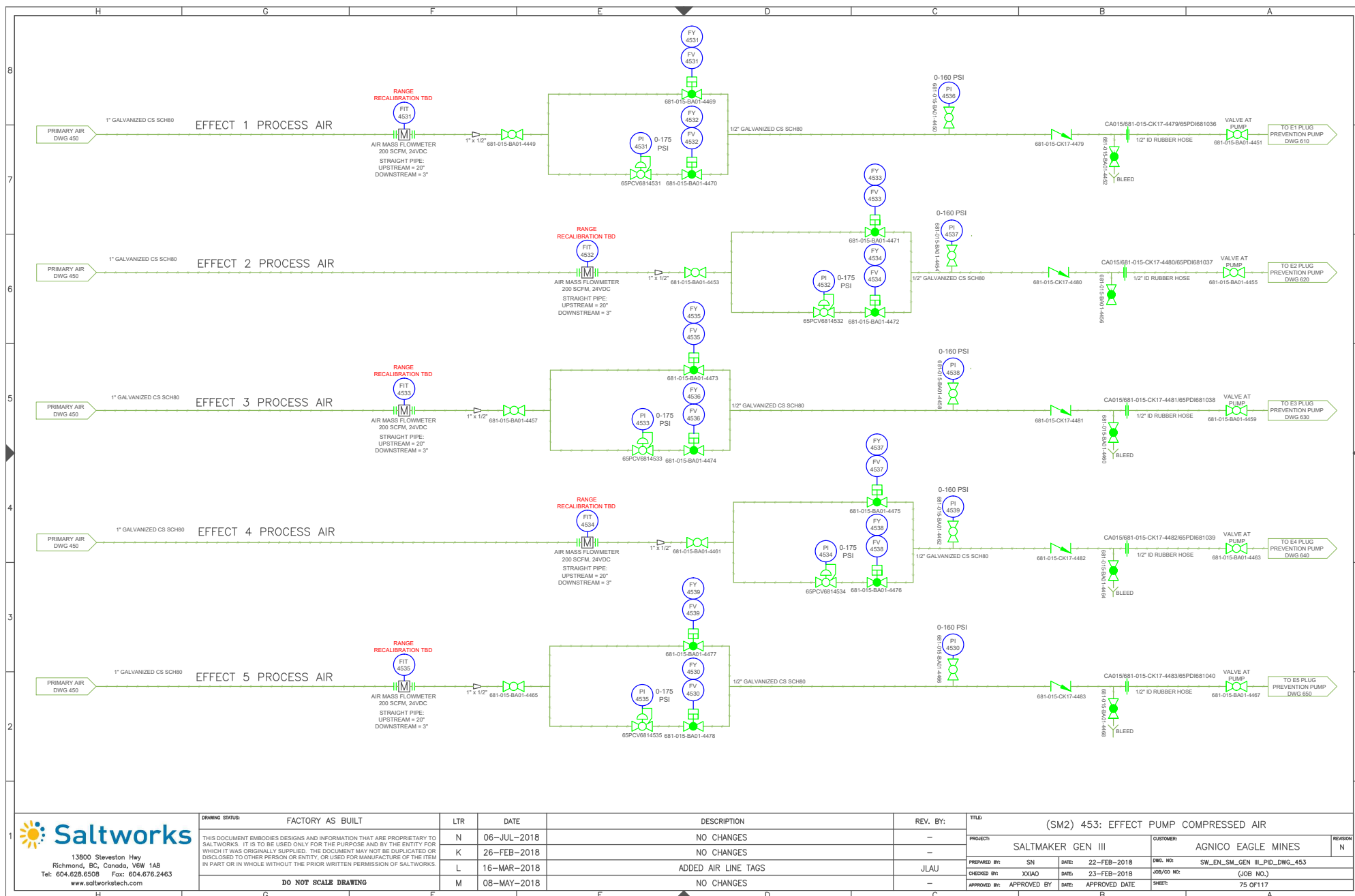


13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS: FACTORY AS BUILT		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM2) 451: EH1/EH2 EXTRACT AND CIP AIR			
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.		N	06-JUL-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES	
		K	26-FEB-2018	NO CHANGES	-	PREPARED BY: SN		DATE: 22-FEB-2018	
		L	16-MAR-2018	ADDED AIR LINE TAG	JLAU	CHECKED BY: XXIAO		DATE: 23-FEB-2018	
		M	08-MAY-2018	NO CHANGES	-	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	
DO NOT SCALE DRAWING						DWG. NO: SW_EN_SM_GEN III_PID_DWG_451		JOB/CD NO: (JOB NO.)	
						SHEET: 73 OF 117			



DRAWING STATUS	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM2) 452: EFFECT HOLD, SYSTEM HOLD, AND CALCIUM EXTRACTION AIR			
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 PERSONS OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.		N	06-JUL-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES	REVISION N
		K	26-FEB-2018	INSTRUMENT TAGS	SN	PREPARED BY: SN		DATE: 22-FEB-2018	DWG. NO: SW_EN_SM_GEN III_PID-DWG_452
		L	16-MAR-2018	ADDED AIR LINE TAGS	JLAI	CHECKED BY: XHAAO		DATE: 23-FEB-2018	JOB/CD NO: (JOB NO.)
		M	08-MAY-2018	NO CHANGES	-	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	SHEET: 74 OF 117
DO NOT SCALE DRAWING									



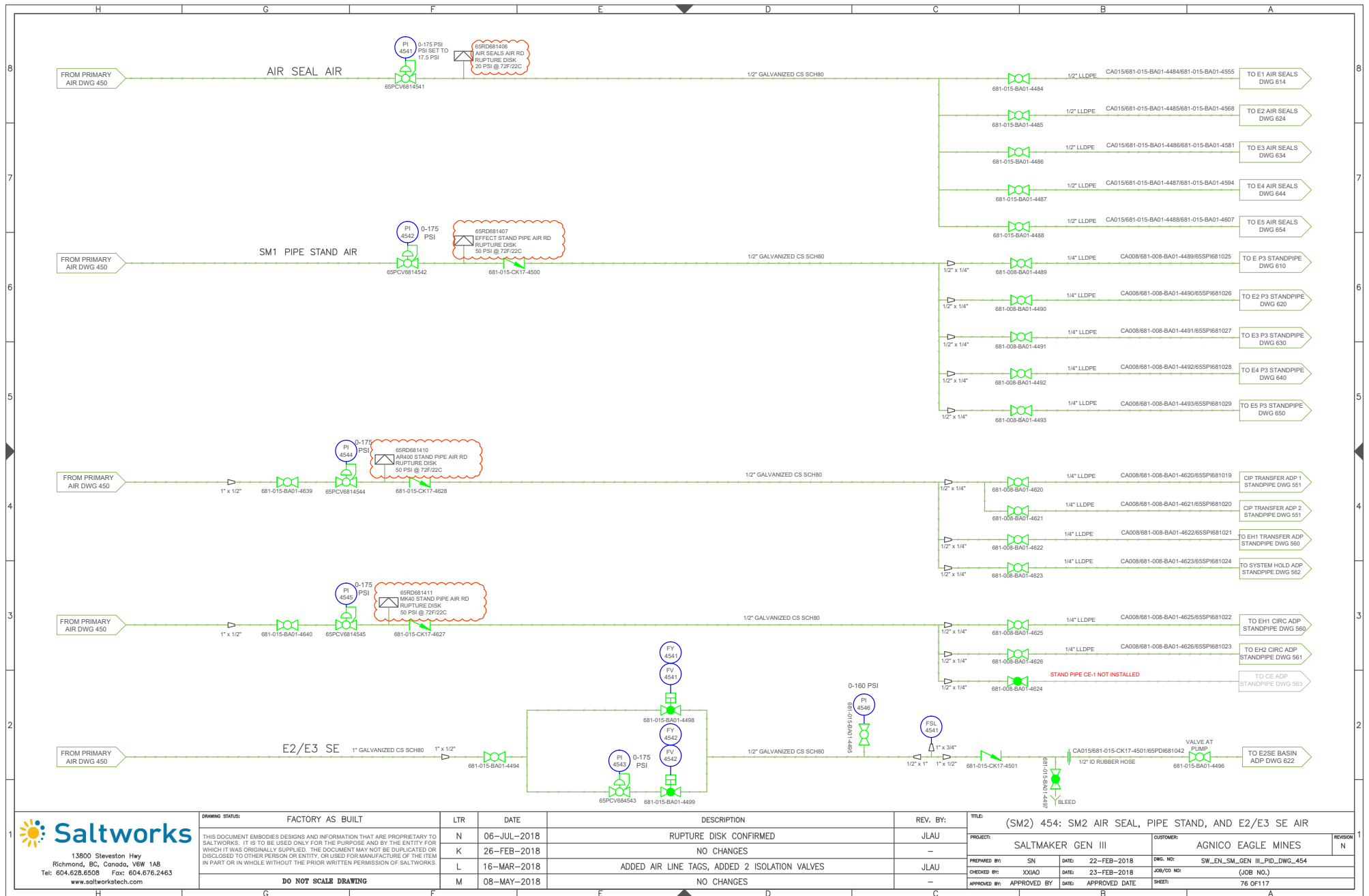
13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

DRAWING STATUS:	FACTORY AS BUILT
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.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION
N	06-JUL-2018	NO CHANGES
K	26-FEB-2018	NO CHANGES
L	16-MAR-2018	ADDED AIR LINE TAGS
M	08-MAY-2018	NO CHANGES

REV. BY:	TITLE:
—	(SM2) 453: EFFECT PUMP COMPRESSED AIR
—	PROJECT: SALTMAKER GEN III
JLAU	CUSTOMER: AGNICO EAGLE MINES
—	PREPARED BY: SN
—	DATE: 22-FEB-2018
—	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_453
—	CHECKED BY: XXIAO
—	DATE: 23-FEB-2018
—	JOB/CO NO: (JOB NO.)
—	APPROVED BY: APPROVED BY
—	DATE: APPROVED DATE
—	SHEET: 75 OF 117

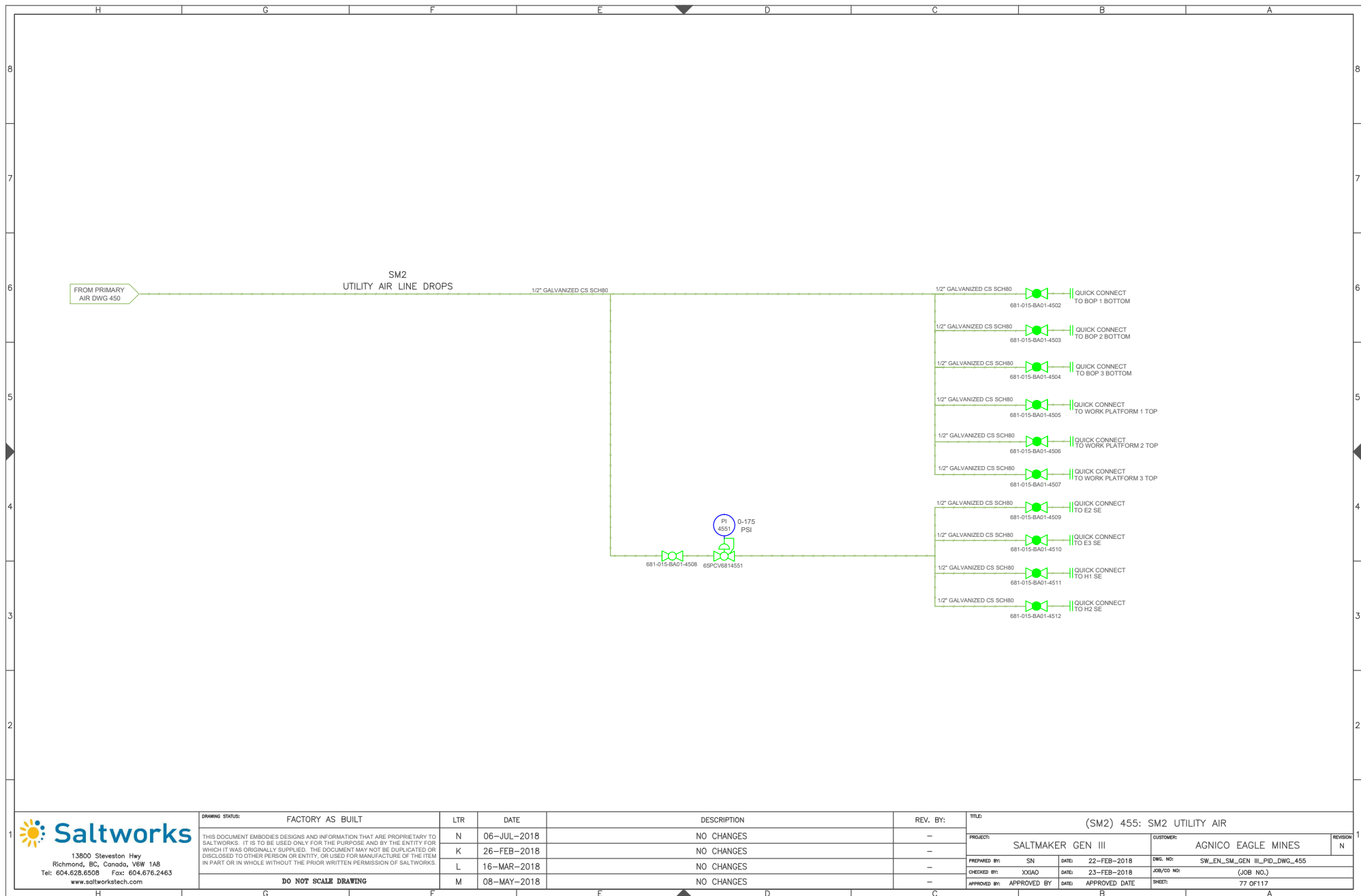
REVISION N 1



DRAWING STATUS:	FACTORY AS BUILT
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.	
DO NOT SCALE DRAWING	

LTR	DATE	DESCRIPTION
N	06-JUL-2018	RUPTURE DISK CONFIRMED
K	26-FEB-2018	NO CHANGES
L	16-MAR-2018	ADDED AIR LINE TAGS, ADDED 2 ISOLATION VALVES
M	08-MAY-2018	NO CHANGES

REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
JLAU	(SM2) 454: SM2 AIR SEAL, PIPE STAND, AND E2/E3 SE AIR	SALTMAKER GEN III	AGNICO EAGLE MINES	N
JLAU		PREPARED BY: SN	DATE: 22-FEB-2018	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_454
		CHECKED BY: XXIAO	DATE: 23-FEB-2018	JOB/CO NO: (JOB NO.)
		APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: 76 OF 117

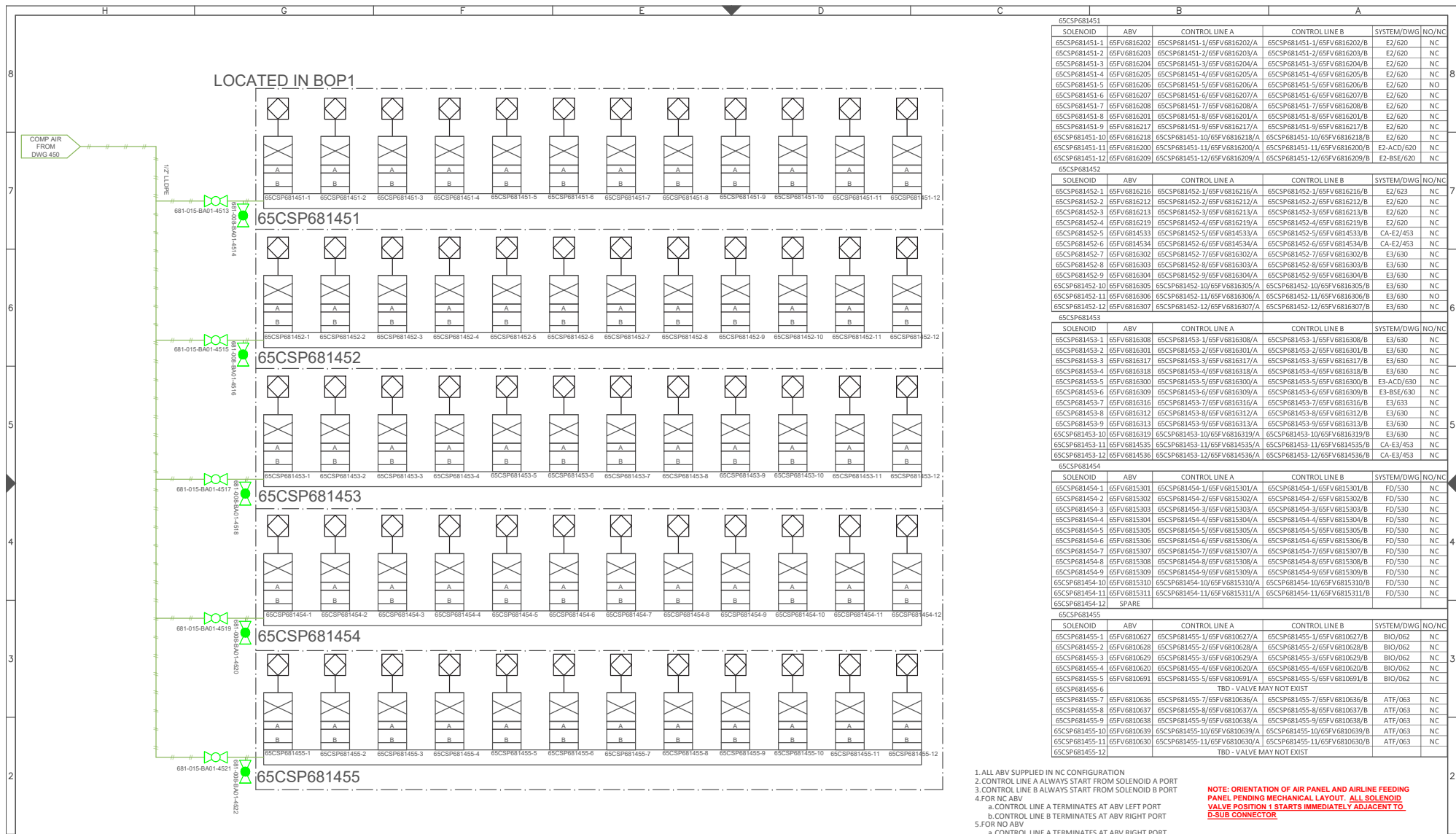




13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

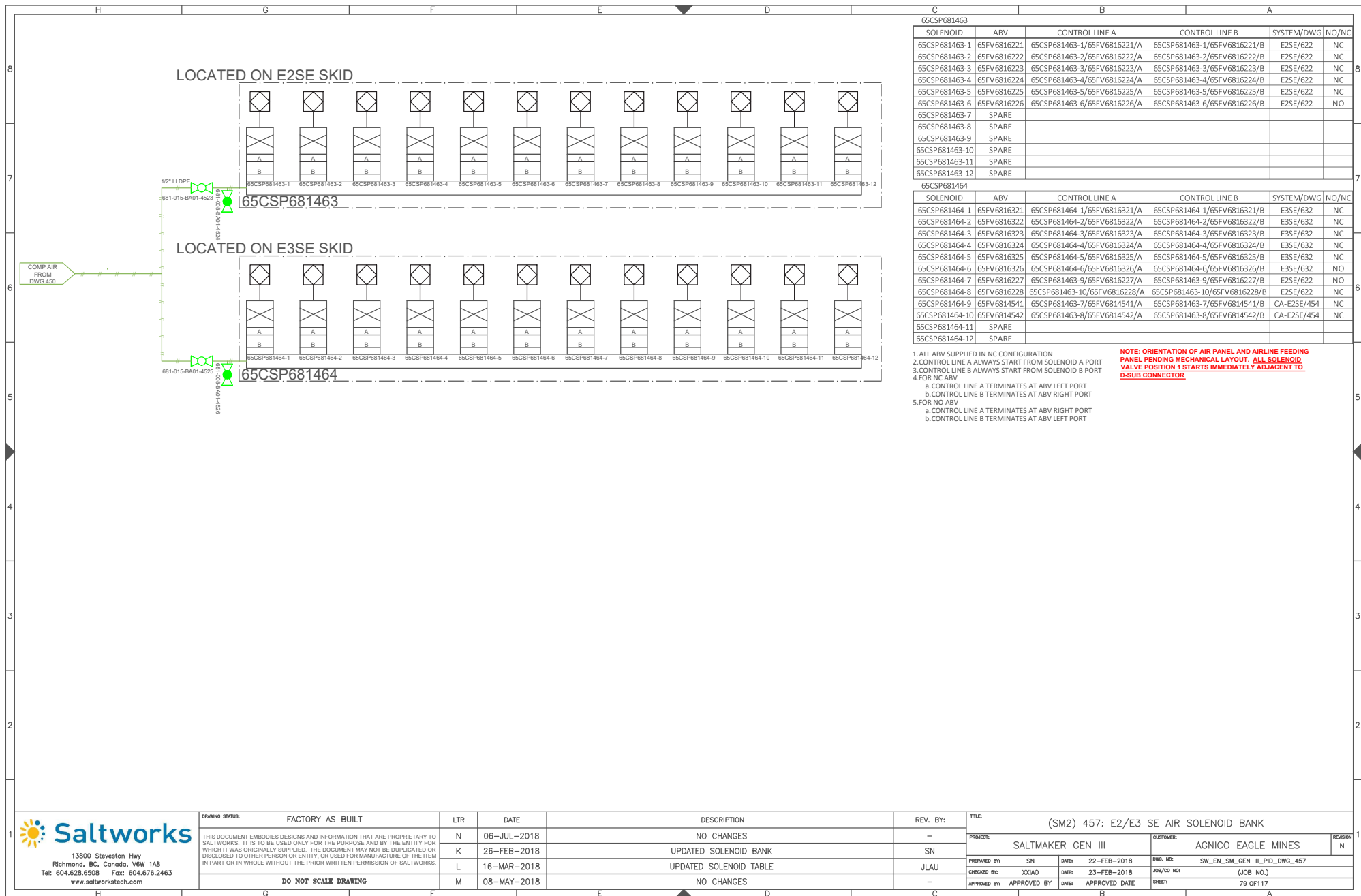
DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:
THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO OTHER PERSON OR ENTITY, OR USED FOR MANUFACTURE OF THE ITEM IN PART OR IN WHOLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.		N	06-JUL-2018	NO CHANGES	-
		K	26-FEB-2018	NO CHANGES	-
		L	16-MAR-2018	NO CHANGES	-
	DO NOT SCALE DRAWING	M	08-MAY-2018	NO CHANGES	-

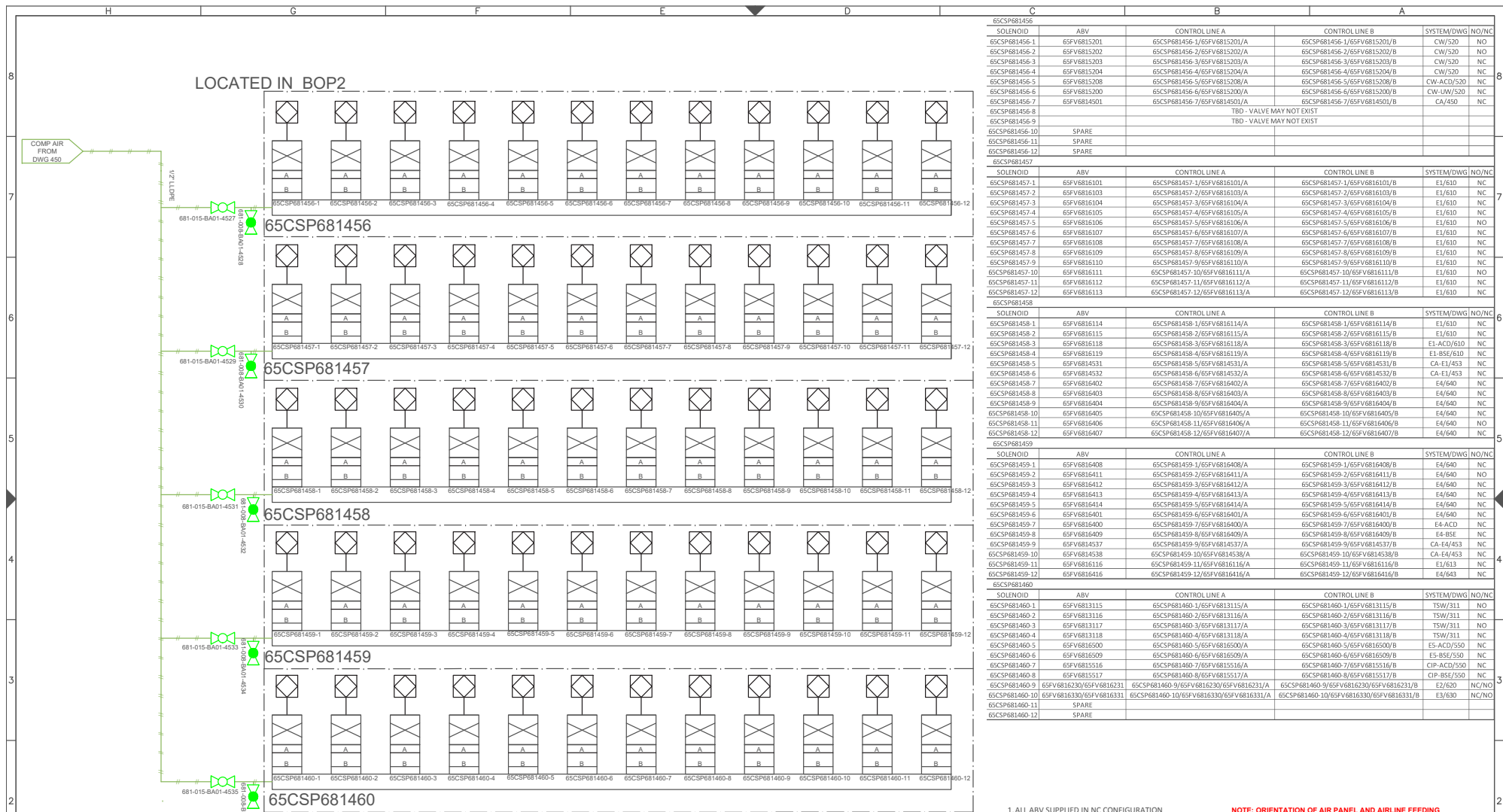
TITLE: (SM2) 455: SM2 UTILITY AIR					
PROJECT: SALTMAKER GEN III			CUSTOMER: AGNICO EAGLE MINES		REVISION: N
PREPARED BY: SN	DATE: 22-FEB-2018	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_455			
CHECKED BY: XXIAO	DATE: 23-FEB-2018	JOB/CD NO: (JOB NO.)			
APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: 77 OF 117			



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
- NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO D-SUB CONNECTOR**

 13900 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM2) 456: BOP1 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.		N	06-JUL-2018	NO CHANGES	-	PROJECT:	SALTMAKER GEN III	CUSTOMER:
			K	26-FEB-2018	UPDATED SOLENOID BANK	SN	AGNICO EAGLE MINES		
			L	16-MAR-2018	UPDATED SOLENOID TABLE	JLAW	PREPARED BY:	SN	DATE:
			M	08-MAY-2018	NO CHANGES	-	CHECKED BY:	XXIAO	DATE:
DO NOT SCALE DRAWING								APPROVED BY: APPROVED BY	
								DATE: APPROVED DATE	
								SHEET: 78 OF 117	





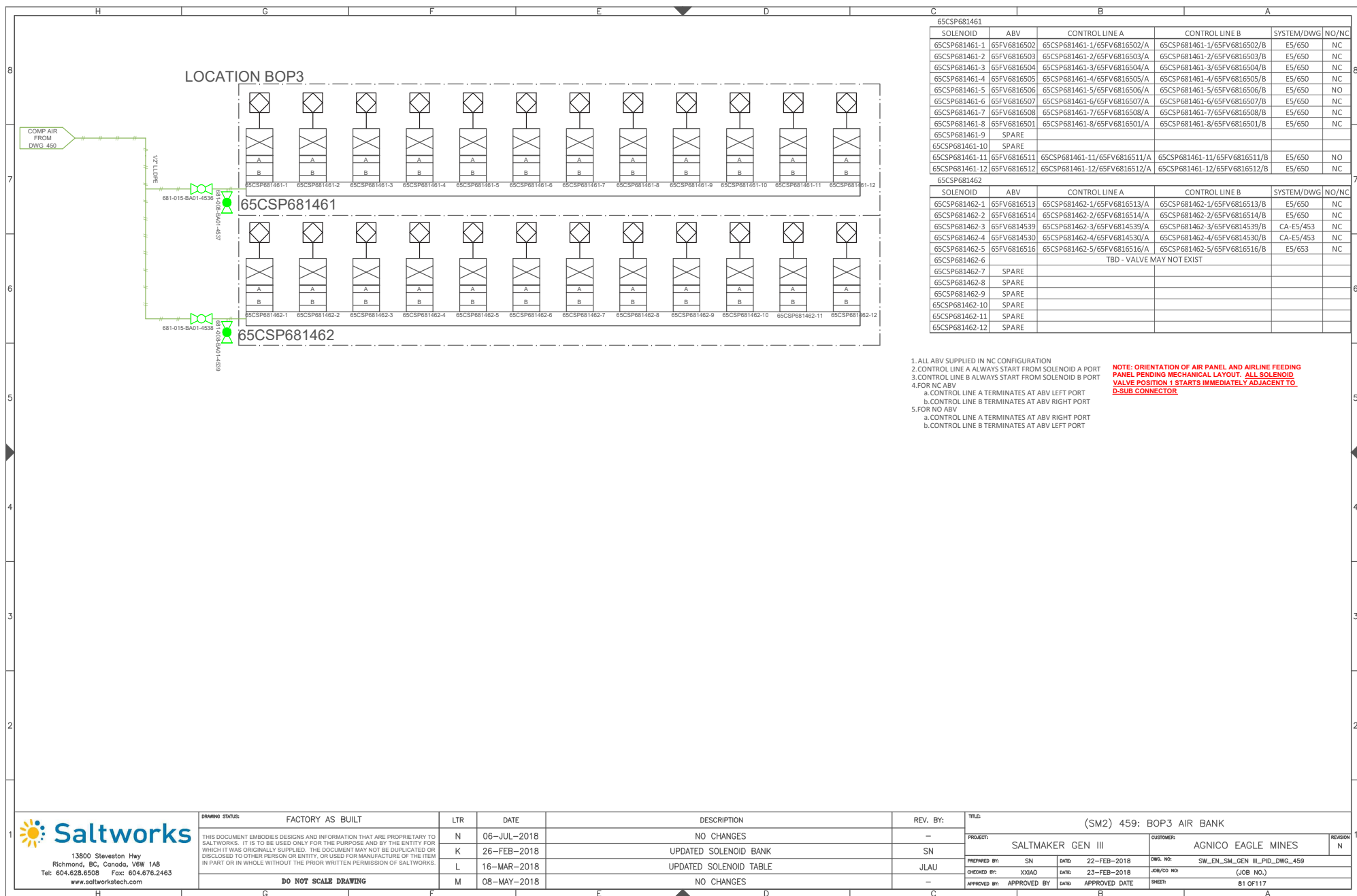
C		B		A	
SOLENOID	ABV	CONTROL LINE A		CONTROL LINE B	
65CSP681456-1	65FV6815201	65CSP681456-1/65FV6815201/A		65CSP681456-1/65FV6815201/B	
65CSP681456-2	65FV6815202	65CSP681456-2/65FV6815202/A		65CSP681456-2/65FV6815202/B	
65CSP681456-3	65FV6815203	65CSP681456-3/65FV6815203/A		65CSP681456-3/65FV6815203/B	
65CSP681456-4	65FV6815204	65CSP681456-4/65FV6815204/A		65CSP681456-4/65FV6815204/B	
65CSP681456-5	65FV6815205	65CSP681456-5/65FV6815205/A		65CSP681456-5/65FV6815205/B	
65CSP681456-6	65FV6815206	65CSP681456-6/65FV6815206/A		65CSP681456-6/65FV6815206/B	
65CSP681456-7	65FV6815207	65CSP681456-7/65FV6815207/A		65CSP681456-7/65FV6815207/B	
65CSP681456-8	65FV6815208	65CSP681456-8/65FV6815208/A		65CSP681456-8/65FV6815208/B	
65CSP681456-9	65FV6815209	65CSP681456-9/65FV6815209/A		65CSP681456-9/65FV6815209/B	
65CSP681456-10	65FV6815210	65CSP681456-10/65FV6815210/A		65CSP681456-10/65FV6815210/B	
65CSP681456-11	65FV6815211	65CSP681456-11/65FV6815211/A		65CSP681456-11/65FV6815211/B	
65CSP681456-12	65FV6815212	65CSP681456-12/65FV6815212/A		65CSP681456-12/65FV6815212/B	
65CSP681457-1	65FV6816101	65CSP681457-1/65FV6816101/A		65CSP681457-1/65FV6816101/B	
65CSP681457-2	65FV6816102	65CSP681457-2/65FV6816102/A		65CSP681457-2/65FV6816102/B	
65CSP681457-3	65FV6816103	65CSP681457-3/65FV6816103/A		65CSP681457-3/65FV6816103/B	
65CSP681457-4	65FV6816104	65CSP681457-4/65FV6816104/A		65CSP681457-4/65FV6816104/B	
65CSP681457-5	65FV6816105	65CSP681457-5/65FV6816105/A		65CSP681457-5/65FV6816105/B	
65CSP681457-6	65FV6816106	65CSP681457-6/65FV6816106/A		65CSP681457-6/65FV6816106/B	
65CSP681457-7	65FV6816107	65CSP681457-7/65FV6816107/A		65CSP681457-7/65FV6816107/B	
65CSP681457-8	65FV6816108	65CSP681457-8/65FV6816108/A		65CSP681457-8/65FV6816108/B	
65CSP681457-9	65FV6816109	65CSP681457-9/65FV6816109/A		65CSP681457-9/65FV6816109/B	
65CSP681457-10	65FV6816110	65CSP681457-10/65FV6816110/A		65CSP681457-10/65FV6816110/B	
65CSP681457-11	65FV6816111	65CSP681457-11/65FV6816111/A		65CSP681457-11/65FV6816111/B	
65CSP681457-12	65FV6816112	65CSP681457-12/65FV6816112/A		65CSP681457-12/65FV6816112/B	
65CSP681458-1	65FV6816113	65CSP681458-1/65FV6816113/A		65CSP681458-1/65FV6816113/B	
65CSP681458-2	65FV6816114	65CSP681458-2/65FV6816114/A		65CSP681458-2/65FV6816114/B	
65CSP681458-3	65FV6816115	65CSP681458-3/65FV6816115/A		65CSP681458-3/65FV6816115/B	
65CSP681458-4	65FV6816116	65CSP681458-4/65FV6816116/A		65CSP681458-4/65FV6816116/B	
65CSP681458-5	65FV6816117	65CSP681458-5/65FV6816117/A		65CSP681458-5/65FV6816117/B	
65CSP681458-6	65FV6816118	65CSP681458-6/65FV6816118/A		65CSP681458-6/65FV6816118/B	
65CSP681458-7	65FV6816119	65CSP681458-7/65FV6816119/A		65CSP681458-7/65FV6816119/B	
65CSP681458-8	65FV6816120	65CSP681458-8/65FV6816120/A		65CSP681458-8/65FV6816120/B	
65CSP681458-9	65FV6816121	65CSP681458-9/65FV6816121/A		65CSP681458-9/65FV6816121/B	
65CSP681458-10	65FV6816122	65CSP681458-10/65FV6816122/A		65CSP681458-10/65FV6816122/B	
65CSP681458-11	65FV6816123	65CSP681458-11/65FV6816123/A		65CSP681458-11/65FV6816123/B	
65CSP681458-12	65FV6816124	65CSP681458-12/65FV6816124/A		65CSP681458-12/65FV6816124/B	
65CSP681459-1	65FV6816125	65CSP681459-1/65FV6816125/A		65CSP681459-1/65FV6816125/B	
65CSP681459-2	65FV6816126	65CSP681459-2/65FV6816126/A		65CSP681459-2/65FV6816126/B	
65CSP681459-3	65FV6816127	65CSP681459-3/65FV6816127/A		65CSP681459-3/65FV6816127/B	
65CSP681459-4	65FV6816128	65CSP681459-4/65FV6816128/A		65CSP681459-4/65FV6816128/B	
65CSP681459-5	65FV6816129	65CSP681459-5/65FV6816129/A		65CSP681459-5/65FV6816129/B	
65CSP681459-6	65FV6816130	65CSP681459-6/65FV6816130/A		65CSP681459-6/65FV6816130/B	
65CSP681459-7	65FV6816131	65CSP681459-7/65FV6816131/A		65CSP681459-7/65FV6816131/B	
65CSP681459-8	65FV6816132	65CSP681459-8/65FV6816132/A		65CSP681459-8/65FV6816132/B	
65CSP681459-9	65FV6816133	65CSP681459-9/65FV6816133/A		65CSP681459-9/65FV6816133/B	
65CSP681459-10	65FV6816134	65CSP681459-10/65FV6816134/A		65CSP681459-10/65FV6816134/B	
65CSP681459-11	65FV6816135	65CSP681459-11/65FV6816135/A		65CSP681459-11/65FV6816135/B	
65CSP681459-12	65FV6816136	65CSP681459-12/65FV6816136/A		65CSP681459-12/65FV6816136/B	
65CSP681460-1	65FV6816137	65CSP681460-1/65FV6816137/A		65CSP681460-1/65FV6816137/B	
65CSP681460-2	65FV6816138	65CSP681460-2/65FV6816138/A		65CSP681460-2/65FV6816138/B	
65CSP681460-3	65FV6816139	65CSP681460-3/65FV6816139/A		65CSP681460-3/65FV6816139/B	
65CSP681460-4	65FV6816140	65CSP681460-4/65FV6816140/A		65CSP681460-4/65FV6816140/B	
65CSP681460-5	65FV6816141	65CSP681460-5/65FV6816141/A		65CSP681460-5/65FV6816141/B	
65CSP681460-6	65FV6816142	65CSP681460-6/65FV6816142/A		65CSP681460-6/65FV6816142/B	
65CSP681460-7	65FV6816143	65CSP681460-7/65FV6816143/A		65CSP681460-7/65FV6816143/B	
65CSP681460-8	65FV6816144	65CSP681460-8/65FV6816144/A		65CSP681460-8/65FV6816144/B	
65CSP681460-9	65FV6816145	65CSP681460-9/65FV6816145/A		65CSP681460-9/65FV6816145/B	
65CSP681460-10	65FV6816146	65CSP681460-10/65FV6816146/A		65CSP681460-10/65FV6816146/B	
65CSP681460-11	65FV6816147	65CSP681460-11/65FV6816147/A		65CSP681460-11/65FV6816147/B	
65CSP681460-12	65FV6816148	65CSP681460-12/65FV6816148/A		65CSP681460-12/65FV6816148/B	

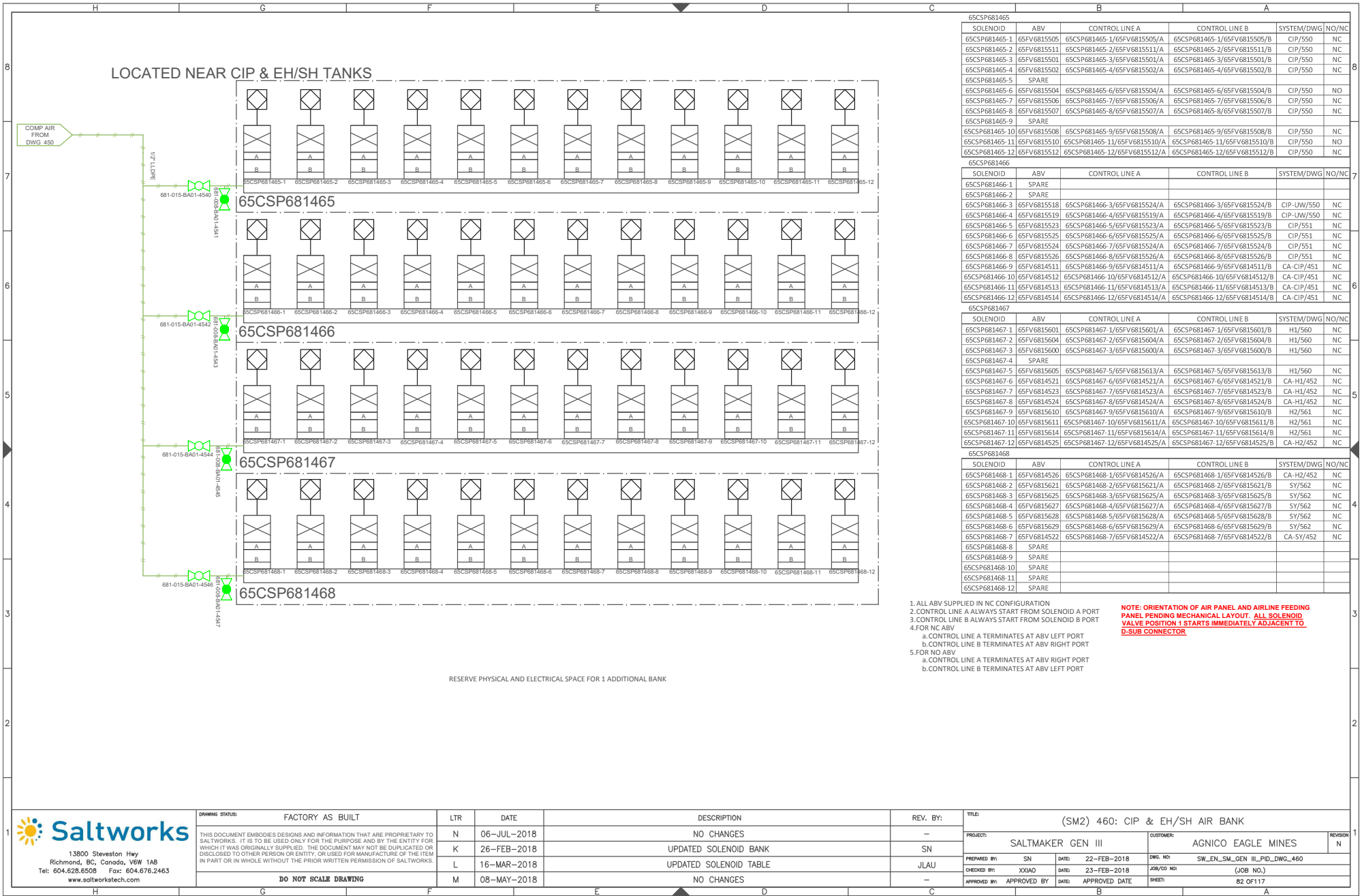
1. ALL ABV SUPPLIED IN NC CONFIGURATION
2. CONTROL LINE A ALWAYS START FROM SOLENOID A PORT
3. CONTROL LINE B ALWAYS START FROM SOLENOID B PORT
4. FOR NC ABV
a. CONTROL LINE A TERMINATES AT ABV LEFT PORT
b. CONTROL LINE B TERMINATES AT ABV RIGHT PORT
5. FOR NO ABV
a. CONTROL LINE A TERMINATES AT ABV RIGHT PORT
b. CONTROL LINE B TERMINATES AT ABV LEFT PORT
- NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING
PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID
VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO
D-SUB CONNECTOR**



DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION
		N	06-JUL-2018	NO CHANGES
		K	26-FEB-2018	UPDATED SOLENOID BANK
		L	16-MAR-2018	UPDATED SOLENOID TABLE
		M	08-MAY-2018	UPDATED SOLENOID TABLE

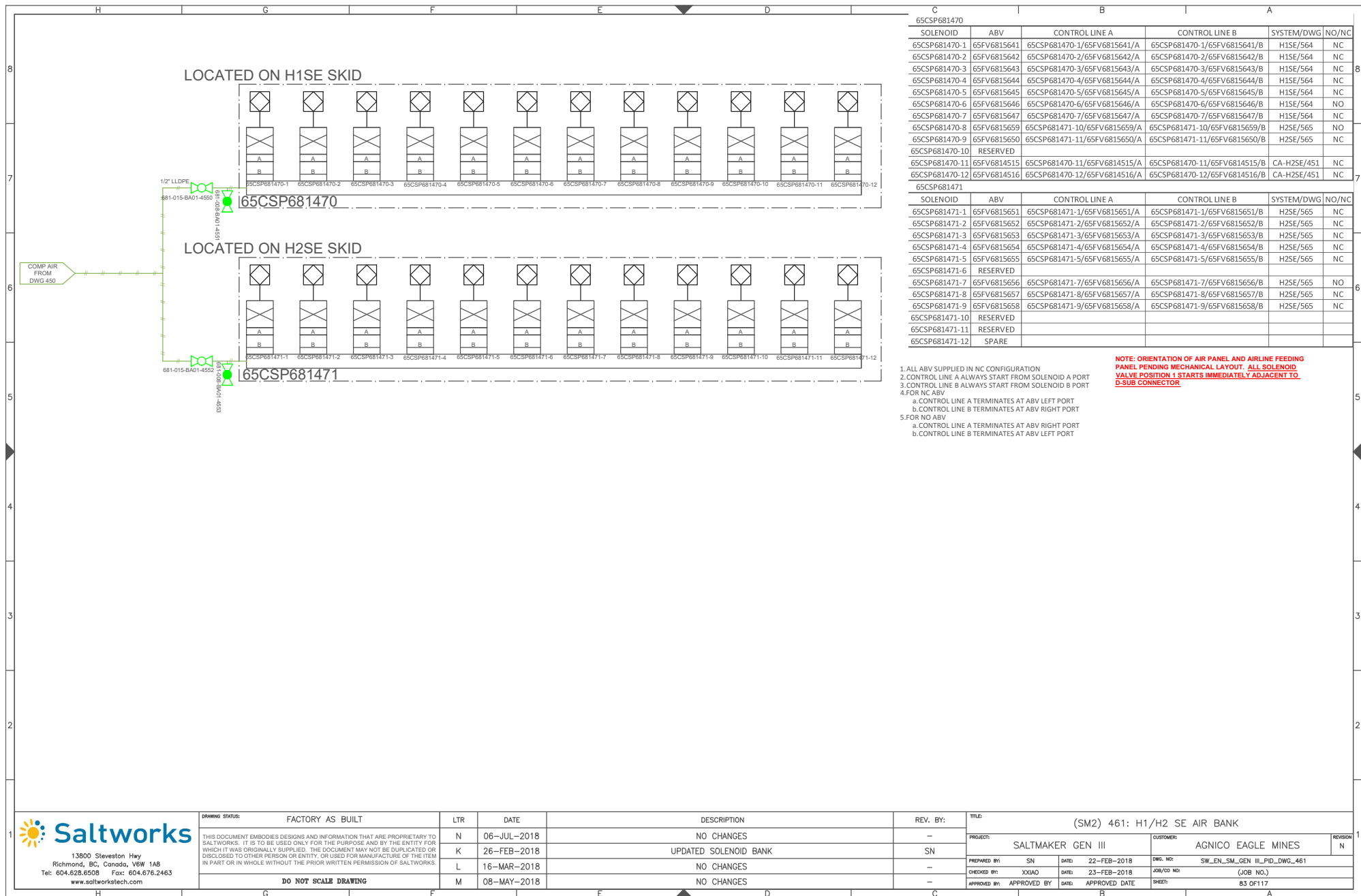
REV. BY:	TITLE:	PROJECT:	CUSTOMER:	REVISION
—	(SM2) 458: BOP2 AIR SOLENOID BANK	SALTMAKER GEN III	AGNICO EAGLE MINES	N
PREPARED BY: SN	DATE: 22-FEB-2018	DWG. NO:	SW_EX_EN_SM_GEN_III_PID_DWG_458	
CHECKED BY: XXIAO	DATE: 23-FEB-2018	JOB/CD NO:	(JOB NO.)	
APPROVED BY:	DATE: APPROVED DATE	SHEET:	80 OF 117	





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

NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING
PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID
VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO
D-SUB CONNECTOR



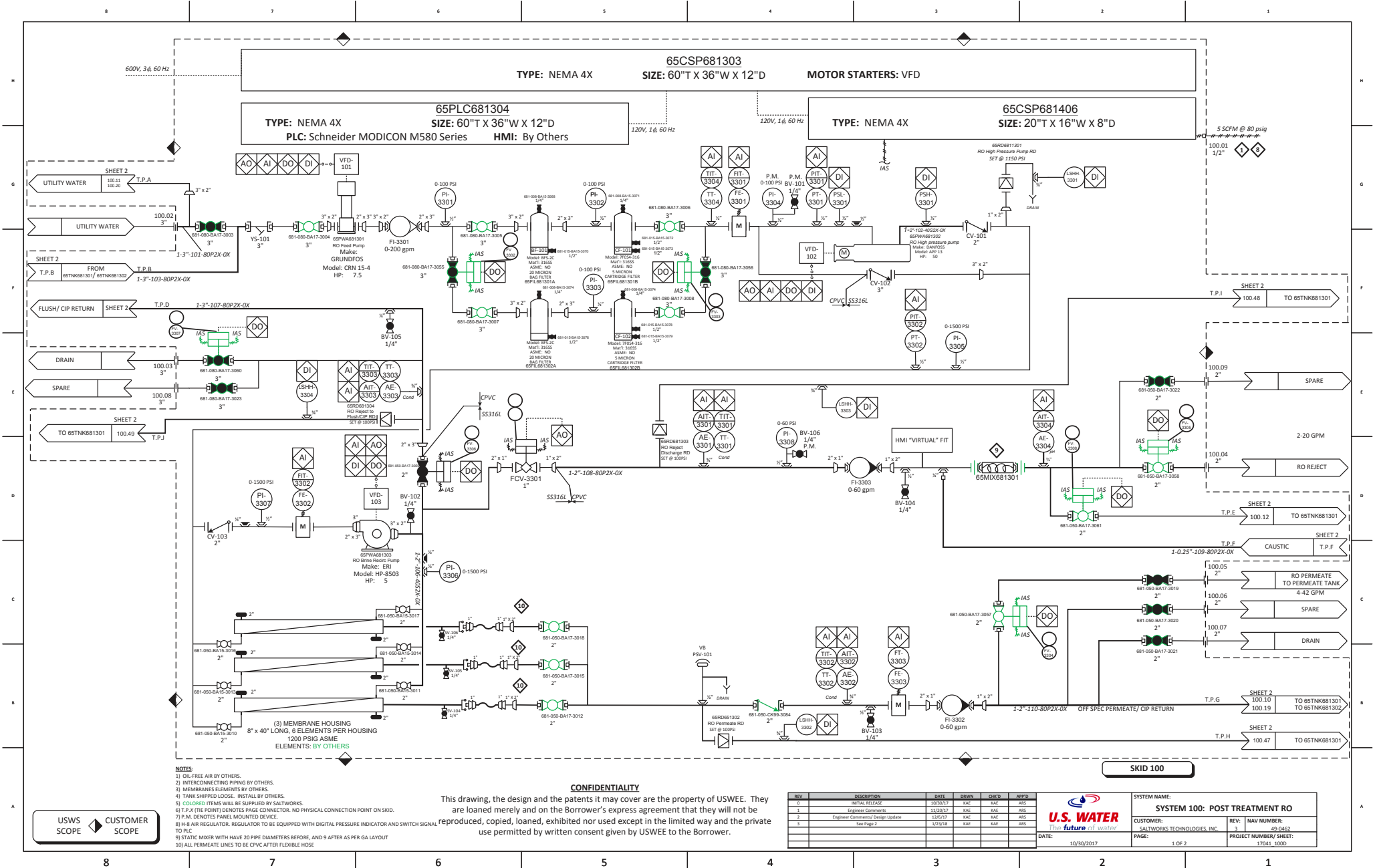
65CSP681470		CONTROL LINE A		CONTROL LINE B		SYSTEM/DWG		NO/NC	
SOLENOID	ABV	CONTROL LINE A		CONTROL LINE B		SYSTEM/DWG		NO/NC	
65CSP681470-1	65FV6815641	65CSP681470-1/65FV6815641/A		65CSP681470-1/65FV6815641/B		H1SE/564		NC	
65CSP681470-2	65FV6815642	65CSP681470-2/65FV6815642/A		65CSP681470-2/65FV6815642/B		H1SE/564		NC	
65CSP681470-3	65FV6815643	65CSP681470-3/65FV6815643/A		65CSP681470-3/65FV6815643/B		H1SE/564		NC	
65CSP681470-4	65FV6815644	65CSP681470-4/65FV6815644/A		65CSP681470-4/65FV6815644/B		H1SE/564		NC	
65CSP681470-5	65FV6815645	65CSP681470-5/65FV6815645/A		65CSP681470-5/65FV6815645/B		H1SE/564		NC	
65CSP681470-6	65FV6815646	65CSP681470-6/65FV6815646/A		65CSP681470-6/65FV6815646/B		H1SE/564		NO	
65CSP681470-7	65FV6815647	65CSP681470-7/65FV6815647/A		65CSP681470-7/65FV6815647/B		H1SE/564		NC	
65CSP681470-8	65FV6815659	65CSP681471-10/65FV6815659/A		65CSP681471-10/65FV6815659/B		H2SE/565		NO	
65CSP681470-9	65FV6815650	65CSP681471-11/65FV6815650/A		65CSP681471-11/65FV6815650/B		H2SE/565		NC	
65CSP681470-10	RESERVED								
65CSP681470-11	65FV6814515	65CSP681470-11/65FV6814515/A		65CSP681470-11/65FV6814515/B		CA-H2SE/451		NC	
65CSP681470-12	65FV6814516	65CSP681470-12/65FV6814516/A		65CSP681470-12/65FV6814516/B		CA-H2SE/451		NC	
65CSP681471		CONTROL LINE A		CONTROL LINE B		SYSTEM/DWG		NO/NC	
SOLENOID	ABV	CONTROL LINE A		CONTROL LINE B		SYSTEM/DWG		NO/NC	
65CSP681471-1	65FV6815651	65CSP681471-1/65FV6815651/A		65CSP681471-1/65FV6815651/B		H2SE/565		NC	
65CSP681471-2	65FV6815652	65CSP681471-2/65FV6815652/A		65CSP681471-2/65FV6815652/B		H2SE/565		NC	
65CSP681471-3	65FV6815653	65CSP681471-3/65FV6815653/A		65CSP681471-3/65FV6815653/B		H2SE/565		NC	
65CSP681471-4	65FV6815654	65CSP681471-4/65FV6815654/A		65CSP681471-4/65FV6815654/B		H2SE/565		NC	
65CSP681471-5	65FV6815655	65CSP681471-5/65FV6815655/A		65CSP681471-5/65FV6815655/B		H2SE/565		NC	
65CSP681471-6	RESERVED								
65CSP681471-7	65FV6815656	65CSP681471-7/65FV6815656/A		65CSP681471-7/65FV6815656/B		H2SE/565		NO	
65CSP681471-8	65FV6815657	65CSP681471-8/65FV6815657/A		65CSP681471-8/65FV6815657/B		H2SE/565		NC	
65CSP681471-9	65FV6815658	65CSP681471-9/65FV6815658/A		65CSP681471-9/65FV6815658/B		H2SE/565		NC	
65CSP681471-10	RESERVED								
65CSP681471-11	RESERVED								
65CSP681471-12	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

**NOTE: ORIENTATION OF AIR PANEL AND AIRLINE FEEDING
PANEL PENDING MECHANICAL LAYOUT. ALL SOLENOID
VALVE POSITION 1 STARTS IMMEDIATELY ADJACENT TO
D-SUB CONNECTOR**

DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE:
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.		N	06-JUL-2018	NO CHANGES	-	(SM2) 461: H1/H2 SE AIR BANK
		K	26-FEB-2018	UPDATED SOLENOID BANK	SN	
		L	16-MAR-2018	NO CHANGES	-	
		M	08-MAY-2018	NO CHANGES	-	
DO NOT SCALE DRAWING						

PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION	N
PREPARED BY:	SN	DATE:	22-FEB-2018	DWG. NO:	SW_EN_SM_GEN_III_PID_DWG_461
CHECKED BY:	XXIAO	DATE:	23-FEB-2018	JOB/CD NO:	(JOB NO.)
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	83 OF 117



- NOTES:
- 1) OIL-FREE AIR BY OTHERS.
 - 2) INTERCONNECTING PIPING BY OTHERS.
 - 3) MEMBRANE ELEMENTS BY OTHERS.
 - 4) TANK SHIPPED LOOSE. INSTALL BY OTHERS.
 - 5) COLORED ITEMS WILL BE SUPPLIED BY SALTWORKS.
 - 6) T.P. & (TIE POINT) DENOTES FLANGE CONNECTOR, NO PHYSICAL CONNECTION POINT ON SKID.
 - 7) P.M. DENOTES PANEL MOUNTED DEVICE.
 - 8) H-8 AIR REGULATOR, REGULATOR TO BE EQUIPPED WITH DIGITAL PRESSURE INDICATOR AND SWITCH SIGNAL TO PLC.
 - 9) STATIC MIXER WITH HAVE 20 PIPE DIAMETERS BEFORE, AND 9 AFTER AS PER GA LAYOUT.
 - 10) ALL PERMEATE LINES TO BE CPVC AFTER FLEXIBLE HOSE.

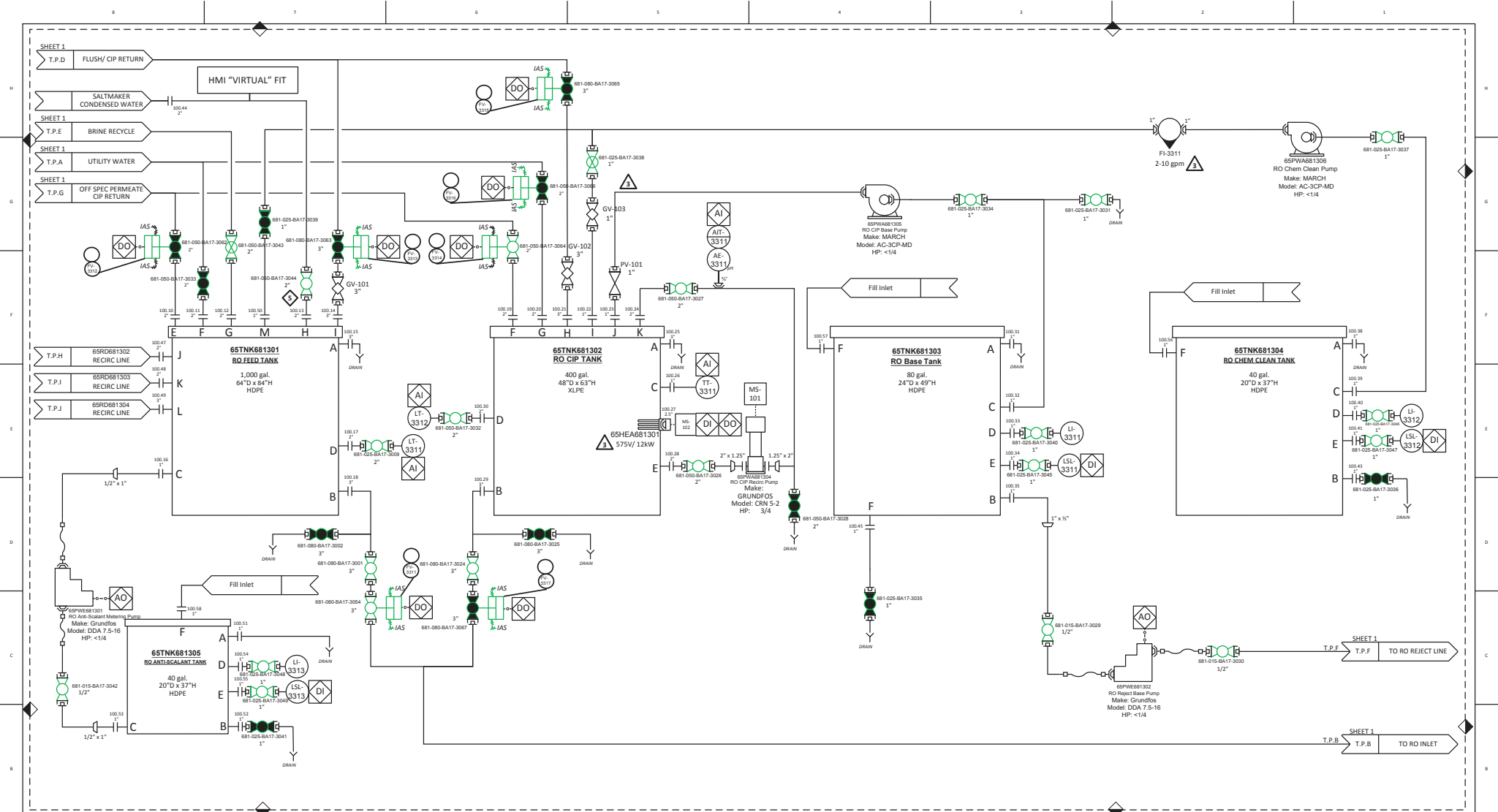
CONFIDENTIALITY

This drawing, the design and the patents it may cover are the property of USWEE. They are loaned merely and on the Borrower's express agreement that they will not be reproduced, copied, loaned, exhibited nor used except in the limited way and the private use permitted by written consent given by USWEE to the Borrower.

REV	DESCRIPTION	DATE	DRAWN	CHECKED	APPROVED
0	INITIAL RELEASE	10/30/17	KAE	KAE	AMS
1	Engineered Comments	12/02/17	KAE	KAE	AMS
2	Engineer Comments/ Design Update	12/02/17	KAE	KAE	AMS
3	See Page 2	12/02/18	KAE	KAE	AMS



SYSTEM NAME: SYSTEM 100: POST TREATMENT RO	
CUSTOMER: SALTWORKS TECHNOLOGIES, INC.	REV: 3 NAV NUMBER: 49-0462
PAGE: 1 OF 2	PROJECT NUMBER/ SHEET: 17041_1000



- NOTES:
- 1) TANKS SHIP LOOSE, AND ARE INSTALLED BY OTHERS.
 - 2) COLORED ITEMS ARE SUPPLIED BY SALTWORKS.
 - 3) T.P.X (THE POINT) DENOTES PAGE CONNECTOR. NO PHYSICAL CONNECTION POINT ON SKID.
 - 4) 7) P.M. DENOTES PANEL MOUNTED DEVICE.
 - 5) ITEM(S) SHIPPED LOOSE & INSTALLED BY OTHERS.

CONFIDENTIALITY

This drawing, the design and the patents it may cover are the property of USWEE. They are loaned merely and on the Borrower's express agreement that they will not be reproduced, copied, loaned, exhibited nor used except in the limited way and the private use permitted by written consent given by USWEE to the Borrower.

REV	DESCRIPTION	DATE	BY	CHK'D	APP'D
0	INITIAL RELEASE	10/30/17	KAE	KAE	ARS
1	Engineer Comments	11/20/17	KAE	KAE	ARS
2	Engineer Comments/Design Update	12/6/17	KAE	KAE	ARS
3	Updated Tag and Electrical on CIP Header	1/23/18	KAE	KAE	ARS



SYSTEM NAME: SYSTEM 100: POST TREATMENT RO	
CUSTOMER: SALTWORKS TECHNOLOGIES, INC.	REV: 3 NAV NUMBER: 49-0462
PAGE: 2 OF 2	PROJECT NUMBER/ SHEET: 17041_1000/