

Client: Agnico Eagle Mines

Project: SaltMaker SM-AEM-01

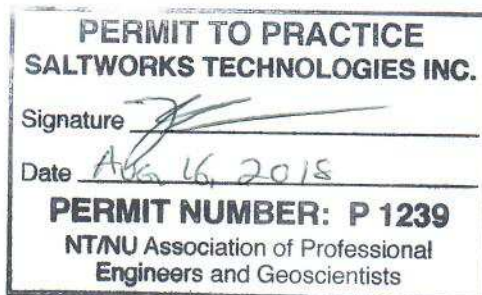
The following engineering document package contains work completed under the guidance and supervision of professional engineers, P.Eng..

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



[Signature]
Aug 16, 2018



[Signature]
Aug 16, 2018



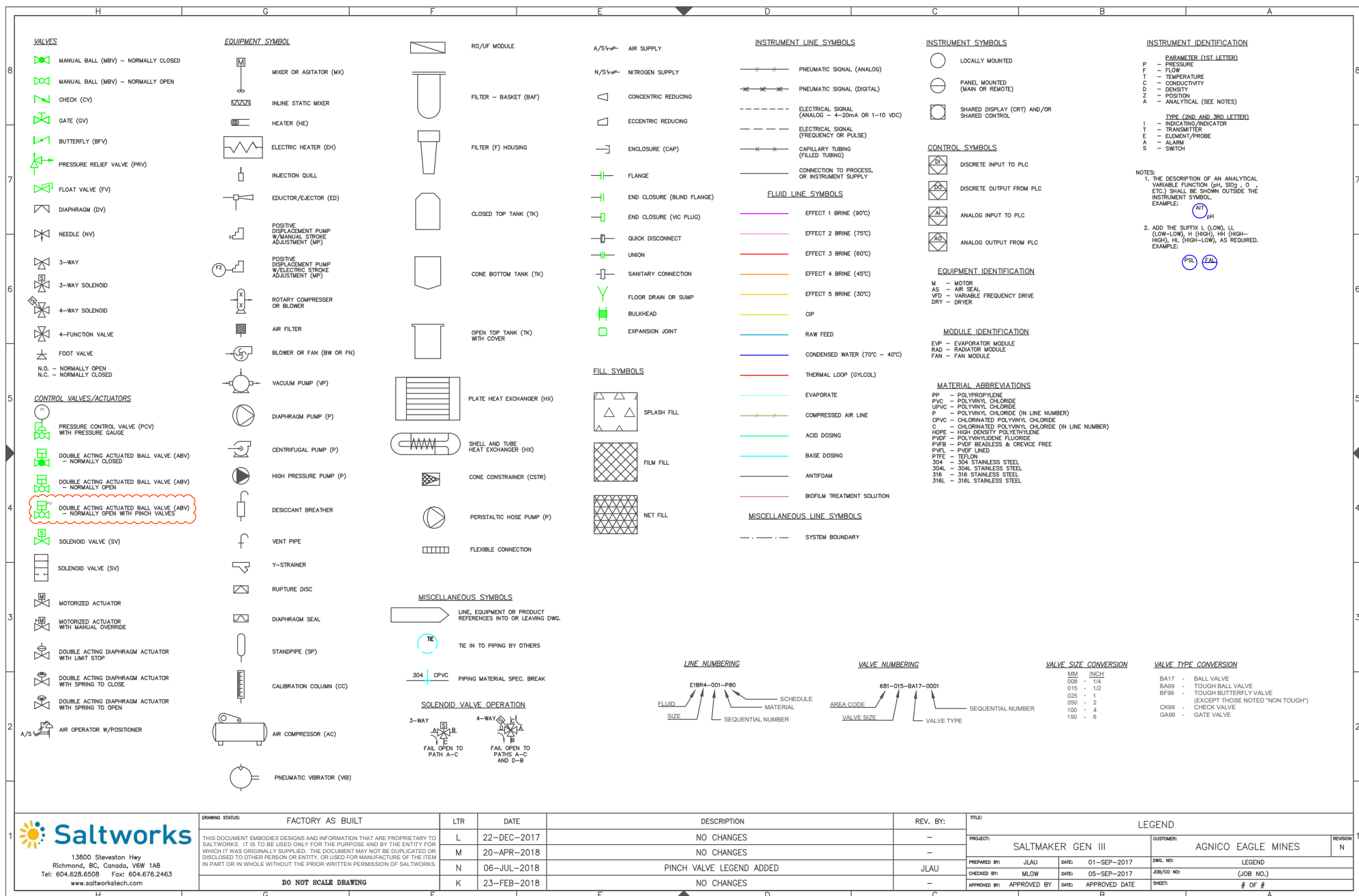
SALTMAKER 2 (SM2)
REVISION N

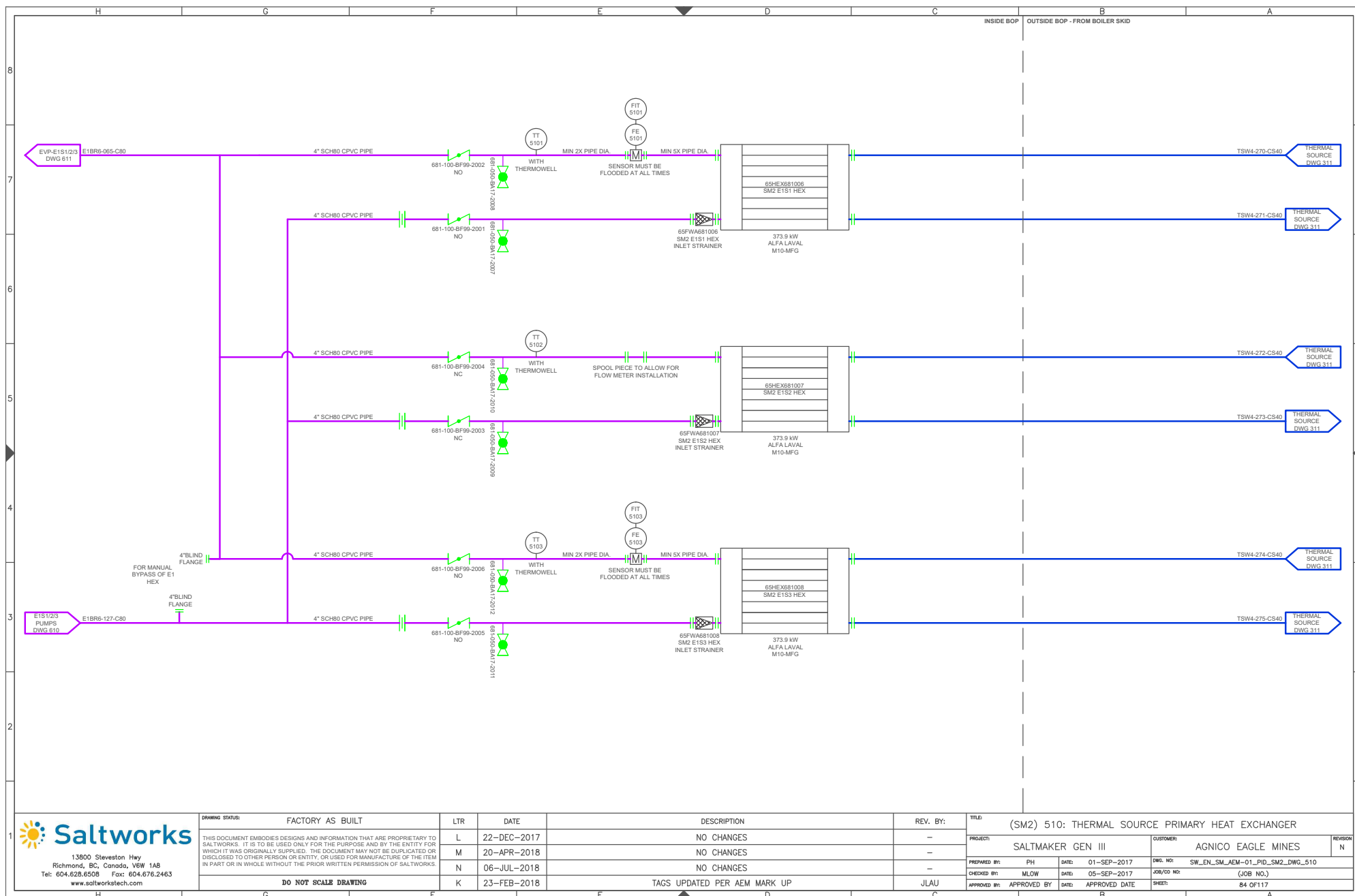
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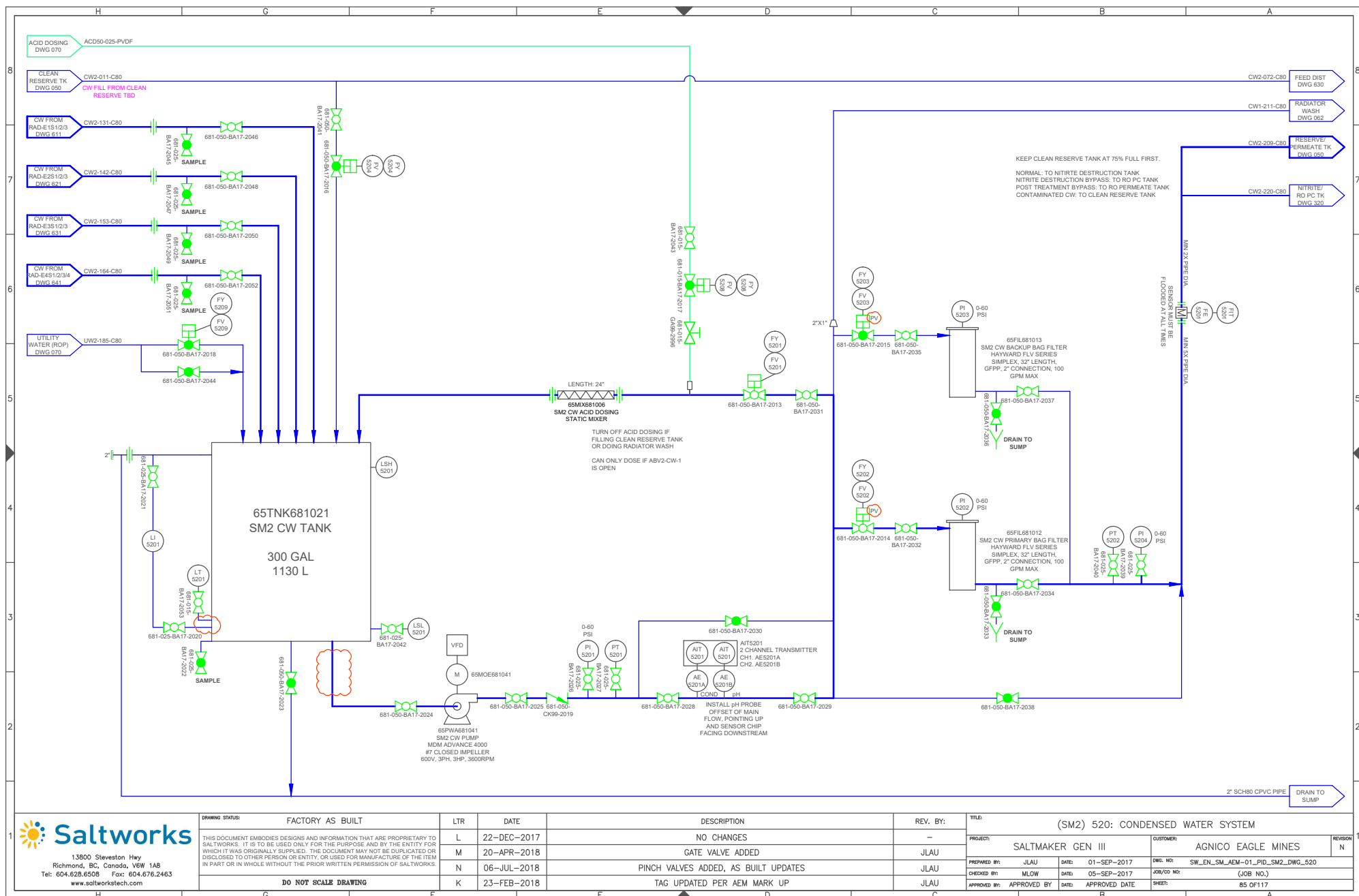
DESCRIPTION

VENDOR DRAWINGS
POST TREATMENT RO

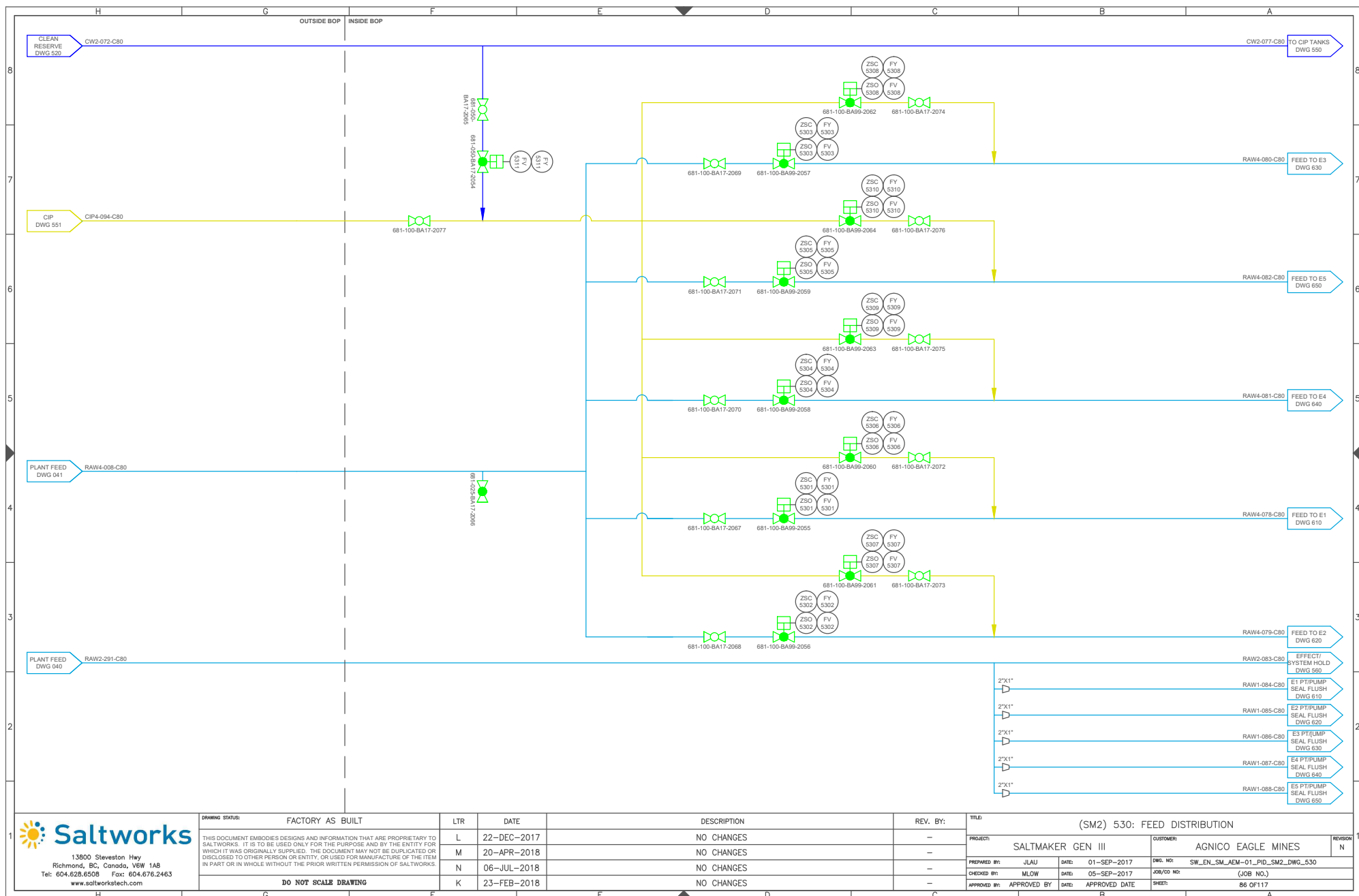








DRAWING STATUS:	FACTORY AS BUILT	LTR	DATE	DESCRIPTION	REV. BY:	TITLE: (SM2) 520: CONDENSED WATER SYSTEM			
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	M	20-APR-2018	GATE VALVE ADDED	JLAU					
	N	06-JUL-2018	PINCH VALVES ADDED, AS BUILT UPDATES	JLAU					
	K	23-FEB-2018	TAG UPDATED PER AEM MARK UP	JLAU					
DO NOT SCALE DRAWING						PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO: SW_ENL_SM_AEM-01_PID_SM2-DWG_520	
						CHECKED BY: MLW	DATE: 05-SEP-2017	JOB/CO NO: (JOB NO.)	
						APPROVED BY: APPROVED BY	DATE: APPROVED DATE	SHEET: 85 OF 117	



Client: Agnico Eagle Mines

Project: SaltMaker SM-AEM-01

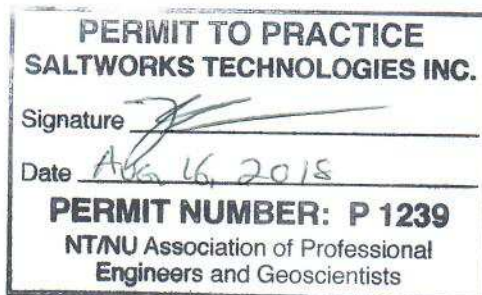
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K.K.H. Tsin
Aug 16, 2018



B.S. Sparrow
Aug 16, 2018

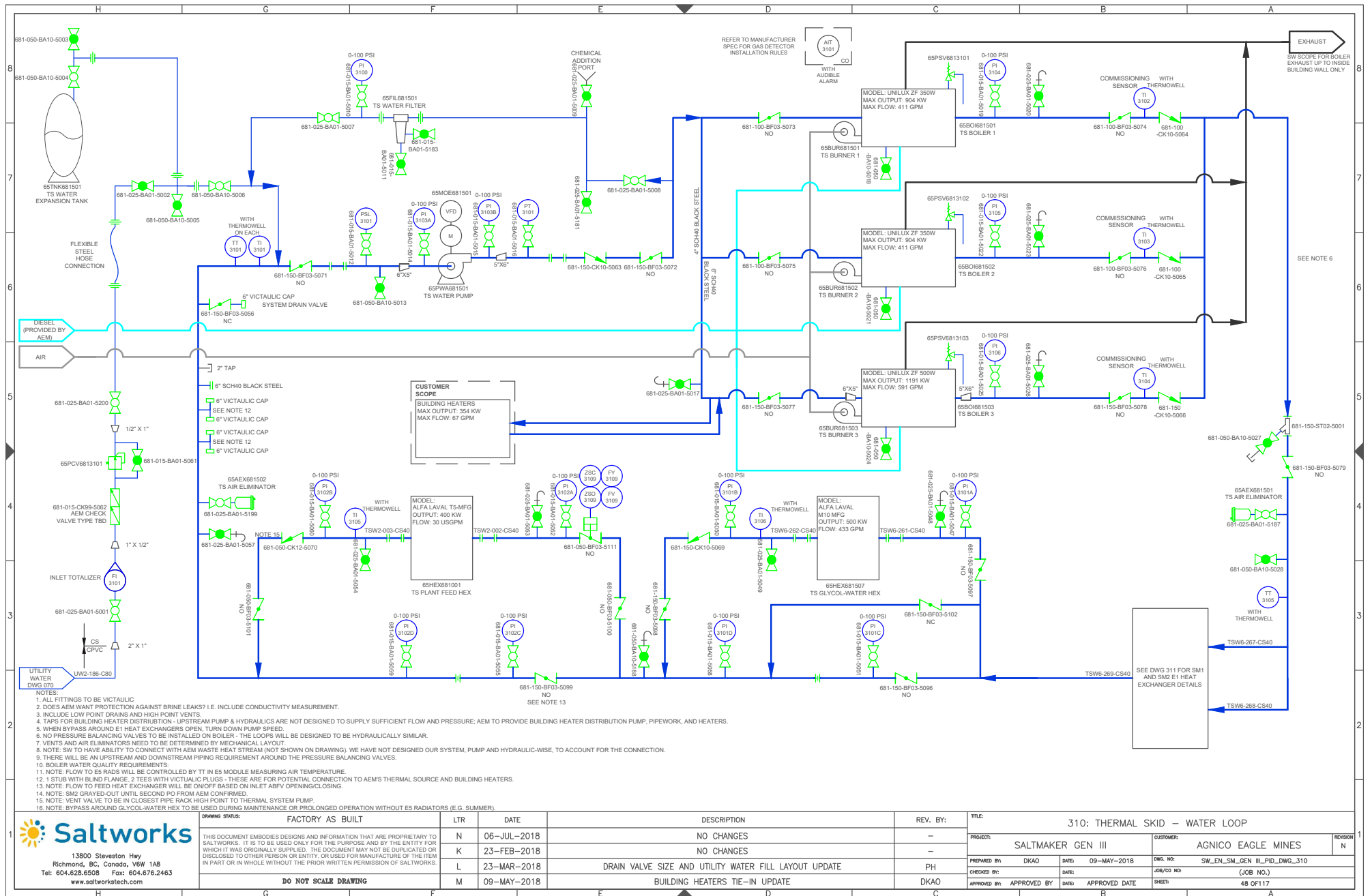


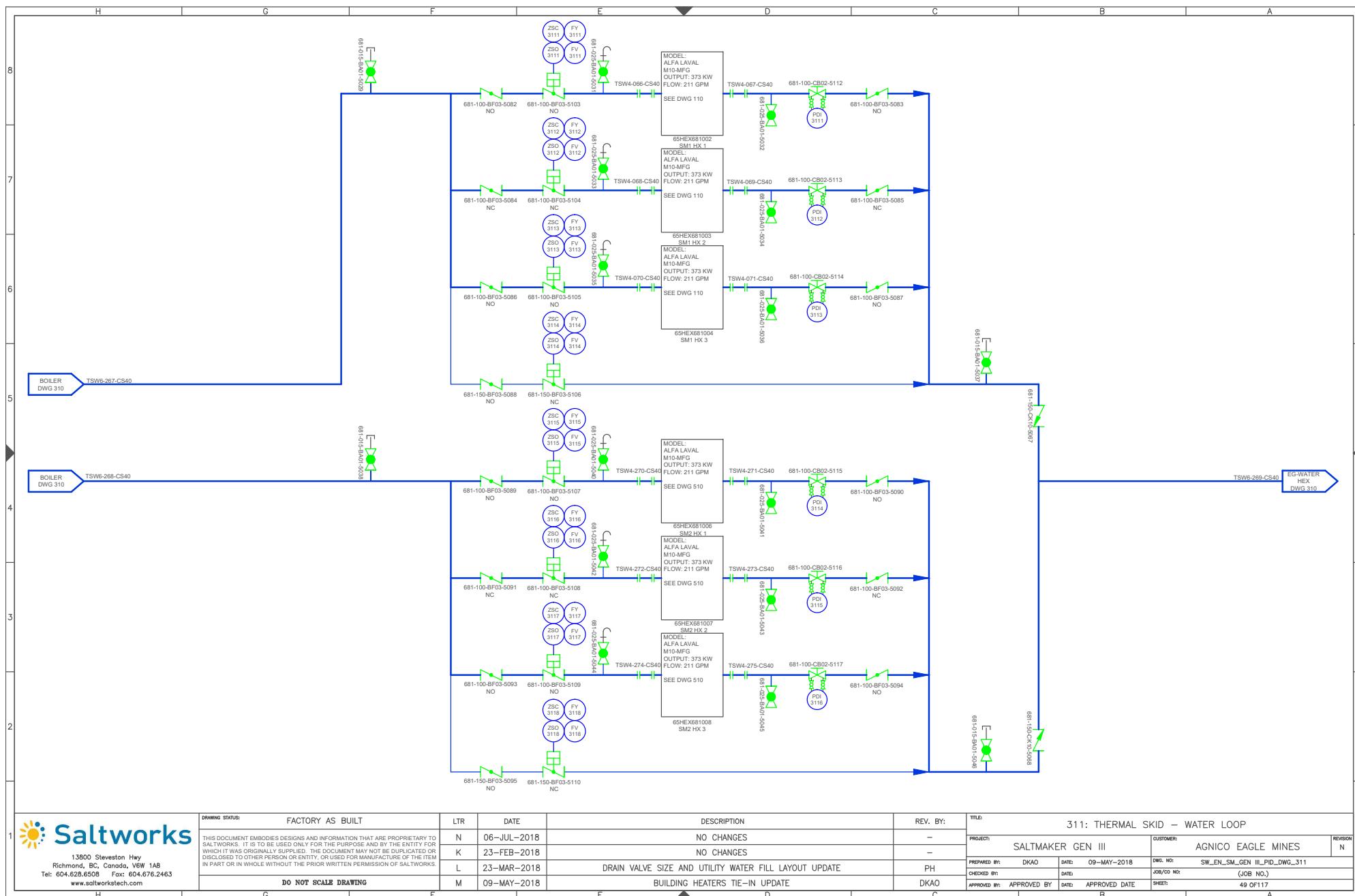
THERMAL SOURCE
REVISION N

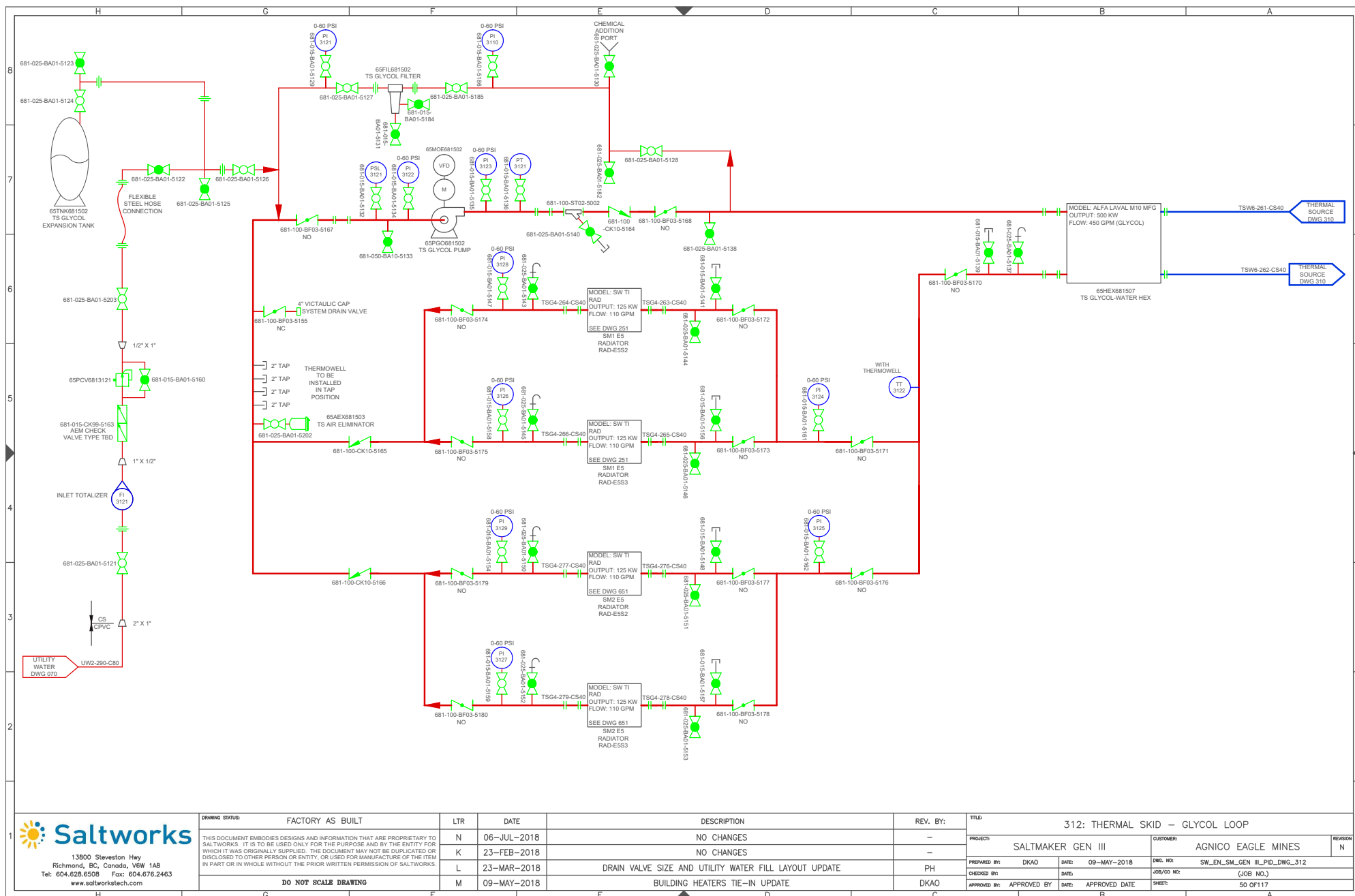
 13800 Stevenson Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com	DRAWING STATUS: FACTORY AS BUILT		LTR	DATE	DESCRIPTION	REV. BY:	TITLE: COVER SHEET				REVISION
	THIS DOCUMENT EMBODIES DESIGNS AND INFORMATION THAT ARE PROPRIETARY TO SALTWORKS. IT IS TO BE USED ONLY FOR THE PURPOSE AND BY THE ENTITY FOR WHICH IT WAS ORIGINALLY SUPPLIED. THE DOCUMENT MAY NOT BE DUPLICATED OR REPRODUCED TO OTHER PERSONS OR FOR USE 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		N
			K	23-FEB-2018	NO CHANGES	-	PREPARED BY: DKAO		DATE: 09-MAY-2018	DWG. NO: COVER SHEET	
			L	23-MAR-2018	DRAIN VALVE SIZE AND UTILITY WATER FILL LAYOUT UPDATE	PH	CHECKED BY:		DATE:	JOB/CO NO: (JOB NO.)	
	DO NOT SCALE DRAWING		M	09-MAY-2018	BUILDING HEATERS TIE-IN UPDATE	DKAO	APPROVED BY:	APPROVED BY	DATE: APPROVED DATE	SHEET: # OF #	

H		G		F		E		D		C		B		A			
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							
				COMMON													
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				44		SW_EN_SM_AEM-01_PID_SM1_DWG_250		EFFECT 5 TANK AND PUMPS							
6	SW_EN_SM_AEM-01_PID_COMMON_DWG_041	PLANT FEED PUMP SKIDS				45		SW_EN_SM_AEM-01_PID_SM1_DWG_251		EFFECT 5 MODULES							
7	SW_EN_SM_AEM-01_PID_COMMON_DWG_050	CLEAN RESERVE AND BLOWDOWN SYSTEMS				46		SW_EN_SM_AEM-01_PID_SM1_DWG_253		EFFECT 5 PUMP SEAL FLUSH							
8	SW_EN_SM_AEM-01_PID_COMMON_DWG_060	ACID DOSING SYSTEM				47		SW_EN_SM_AEM-01_PID_SM1_DWG_254		EFFECT 5 AIR SEALS							
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				48		SW_EN_SM_AEM-01_PID_DWG_310		THERMAL SYSTEM							
11	SW_EN_SM_AEM-01_PID_COMMON_DWG_063	ANTI-FOAM DOSING SYSTEM				49		SW_EN_SM_AEM-01_PID_DWG_311		T							

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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 MISCELLANEOUS SYMBOLS LINE, EQUIPMENT OR PRODUCT REFERENCES INTO OR LEAVING DWG. TIE IN TO PIPING BY OTHERS 304 CPVC PIPING MATERIAL SPEC. BREAK SOLENOID VALVE OPERATION 3-WAY 4-WAY FAIL OPEN TO PATH A-C FAIL OPEN TO PATHS A-C AND D-B		INSTRUMENT LINE SYMBOLS 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 FILL SYMBOLS SPLASH FILL FILM FILL NET FILL 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 (N LINE NUMBER) C – CHLORINATED POLYVINYL CHLORIDE (N LINE NUMBER) HDPE – HIGH DENSITY POLYETHYLENE PVDF – POLYVINYLIDENE FLUORIDE PVFB – PVDF BEADLESS & CREVICE FREE PVFL – PVDF LINED PTE – TEFLON 304 – 304 STAINLESS STEEL 304L – 304L STAINLESS STEEL 316 – 316 STAINLESS STEEL 316L – 316L STAINLESS STEEL MISCELLANEOUS LINE SYMBOLS SYSTEM BOUNDARY		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																																																																							
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1	13600 Steveston Hwy Richmond, BC, Canada, V6W 1A8 Tel: 604.628.6508 Fax: 604.676.2463 www.saltworkstech.com <table><tr><td>DRAWING STATUS:</td><td>FACTORY AS BUILT</td><td>LTR</td><td>DATE</td><td>DESCRIPTION</td><td>REV. BY:</td></tr><tr><td rowspan="4">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.</td><td></td><td>N</td><td>06-JUL-2018</td><td>NO CHANGES</td><td>—</td></tr><tr><td></td><td>K</td><td>23-FEB-2018</td><td>NO CHANGES</td><td>—</td></tr><tr><td></td><td>L</td><td>23-MAR-2018</td><td>DRAIN VALVE SIZE AND UTILITY WATER FILL LAYOUT UPDATE</td><td>PH</td></tr><tr><td></td><td>M</td><td>09-MAY-2018</td><td>BUILDING HEATERS TIE-IN UPDATE</td><td>DKAO</td></tr><tr><td colspan="2">DO NOT SCALE DRAWING</td><td></td><td></td><td></td><td></td></tr></table> <table><tr><td>TITLE:</td><td colspan="3">LEGEND</td><td>REVISION</td></tr><tr><td>PROJECT:</td><td>SALTMAKER GEN III</td><td>CUSTOMER:</td><td>AGNICO EAGLE MINES</td><td>N</td></tr><tr><td>PREPARED BY:</td><td>DKAO</td><td>DATE:</td><td>09-MAY-2018</td><td>DWG. NO:</td></tr><tr><td>CHECKED BY:</td><td></td><td>DATE:</td><td></td><td>LEGEND</td></tr><tr><td>APPROVED BY:</td><td></td><td>DATE:</td><td>APPROVED DATE</td><td>JOB/CD NO: (JOB NO.)</td></tr><tr><td></td><td></td><td></td><td></td><td>SHEET: # OF #</td></tr></table>								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	23-FEB-2018	NO CHANGES	—		L	23-MAR-2018	DRAIN VALVE SIZE AND UTILITY WATER FILL LAYOUT UPDATE	PH		M	09-MAY-2018	BUILDING HEATERS TIE-IN UPDATE	DKAO	DO NOT SCALE DRAWING						TITLE:	LEGEND			REVISION	PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	N	PREPARED BY:	DKAO	DATE:	09-MAY-2018	DWG. NO:	CHECKED BY:		DATE:		LEGEND	APPROVED BY:		DATE:	APPROVED DATE	JOB/CD NO: (JOB NO.)					SHEET: # OF #
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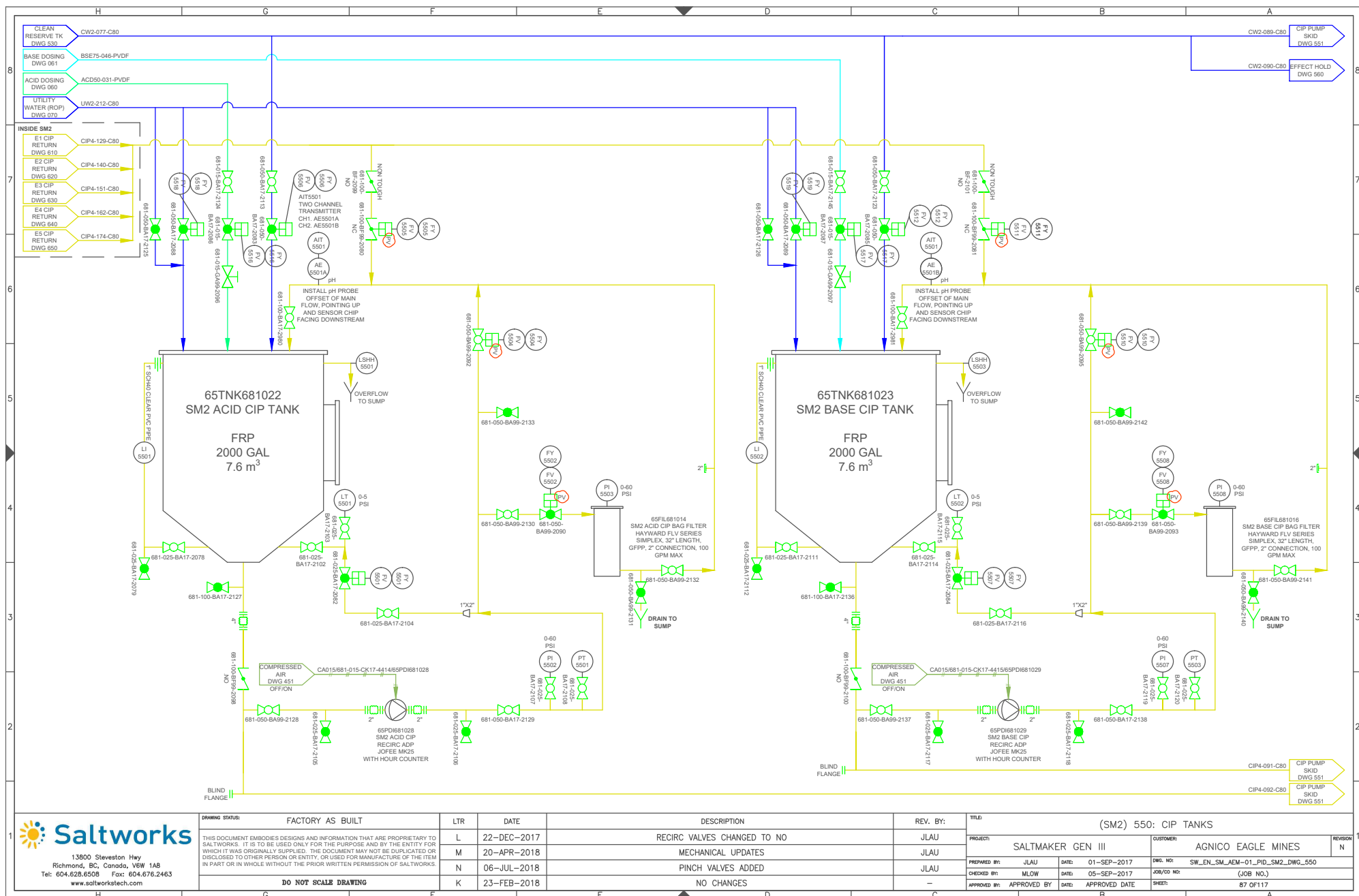


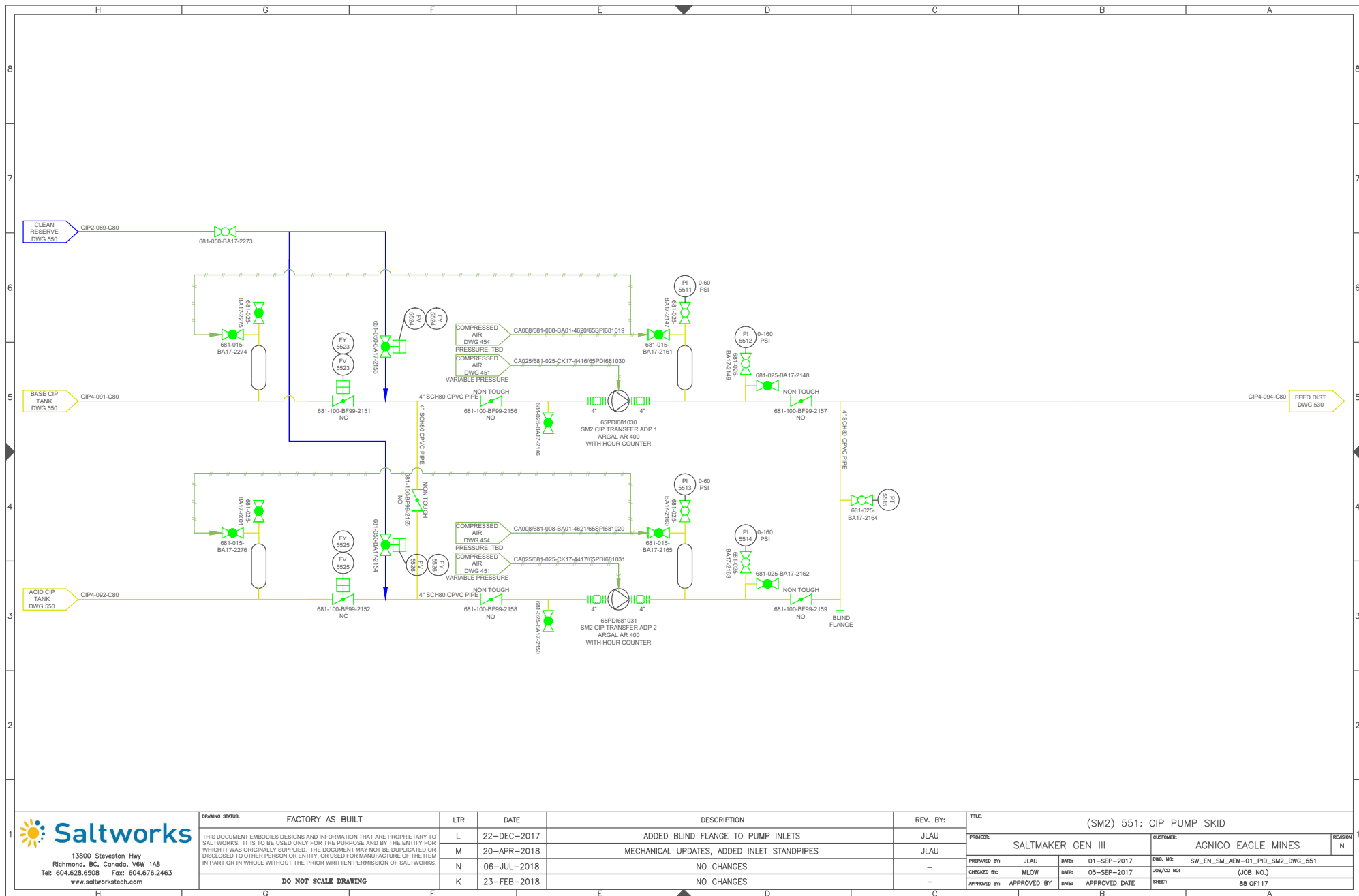
13900 Steveston Hwy
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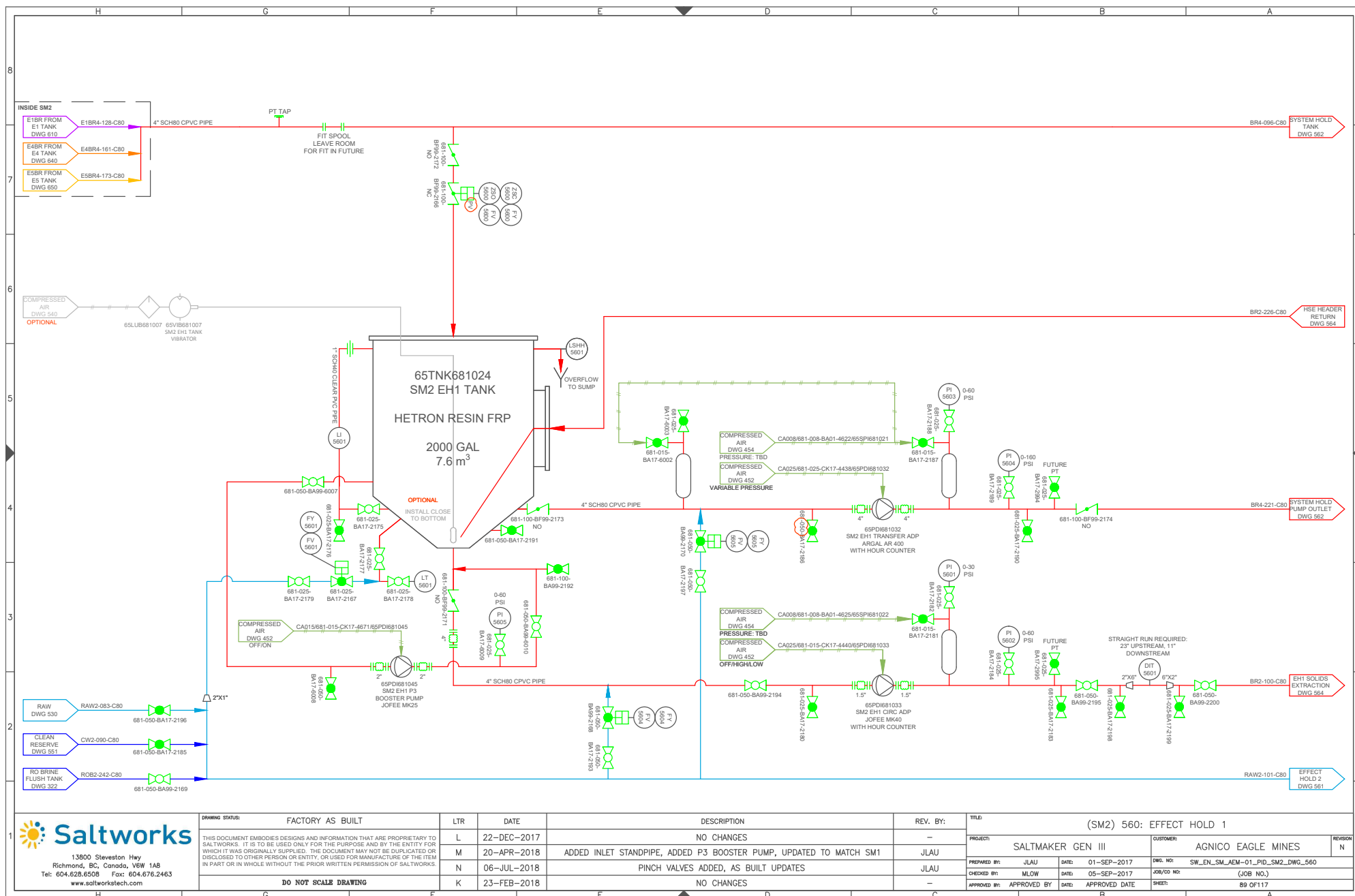
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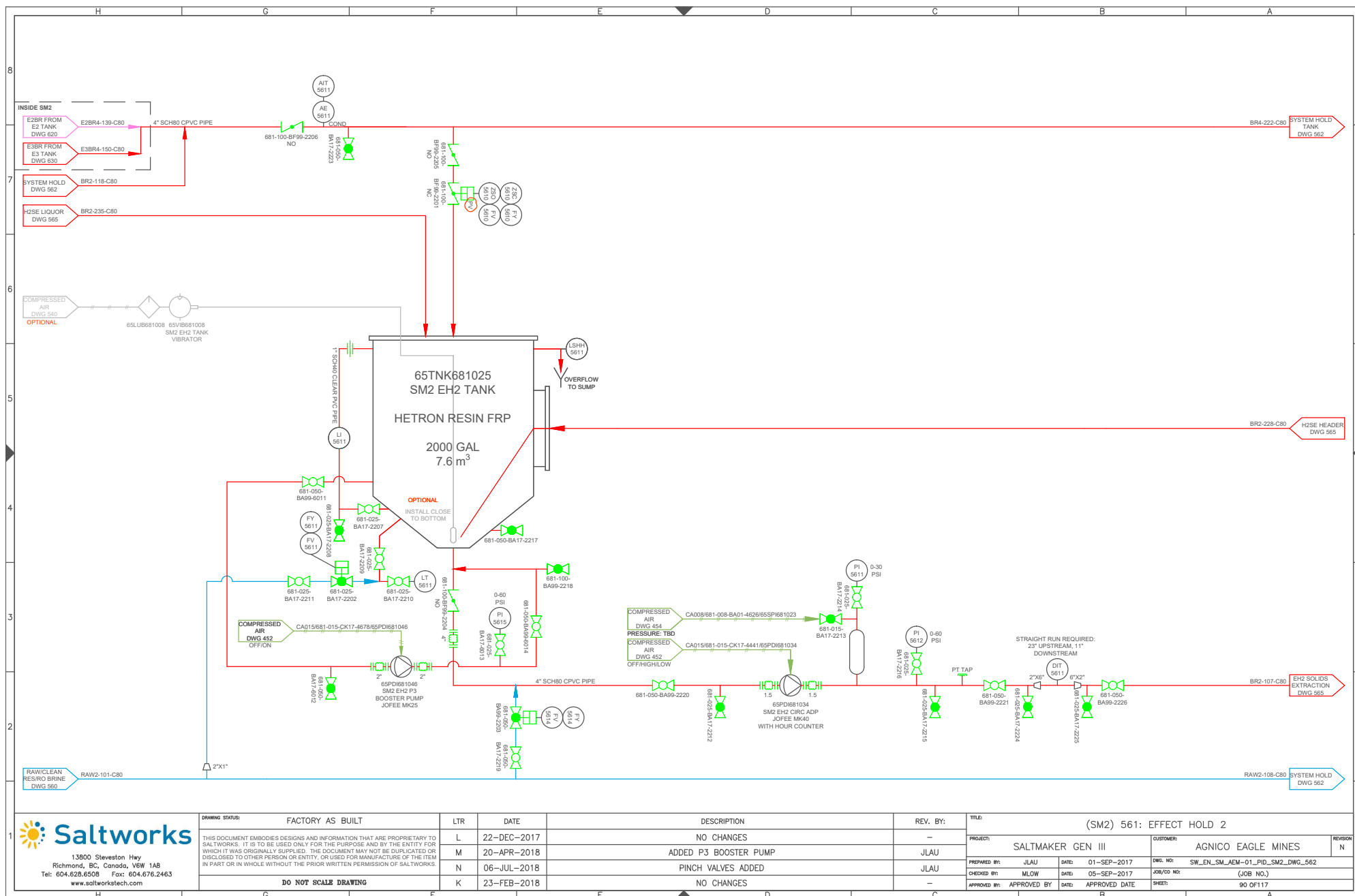
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—	312: THERMAL SKID – GLYCOL LOOP	SALTMAKER GEN III	AGNICO EAGLE MINES	N
PH		PREPARED BY: DKAO	DATE: 09-MAY-2018	DWG. NO: SW_EN_SM_GEN_III_PID_DWG_312
DKAO		CHECKED BY:	DATE:	JOB/CD NO: (JOB NO.)
		APPROVED BY:	DATE: APPROVED DATE	SHEET: 50 OF 117





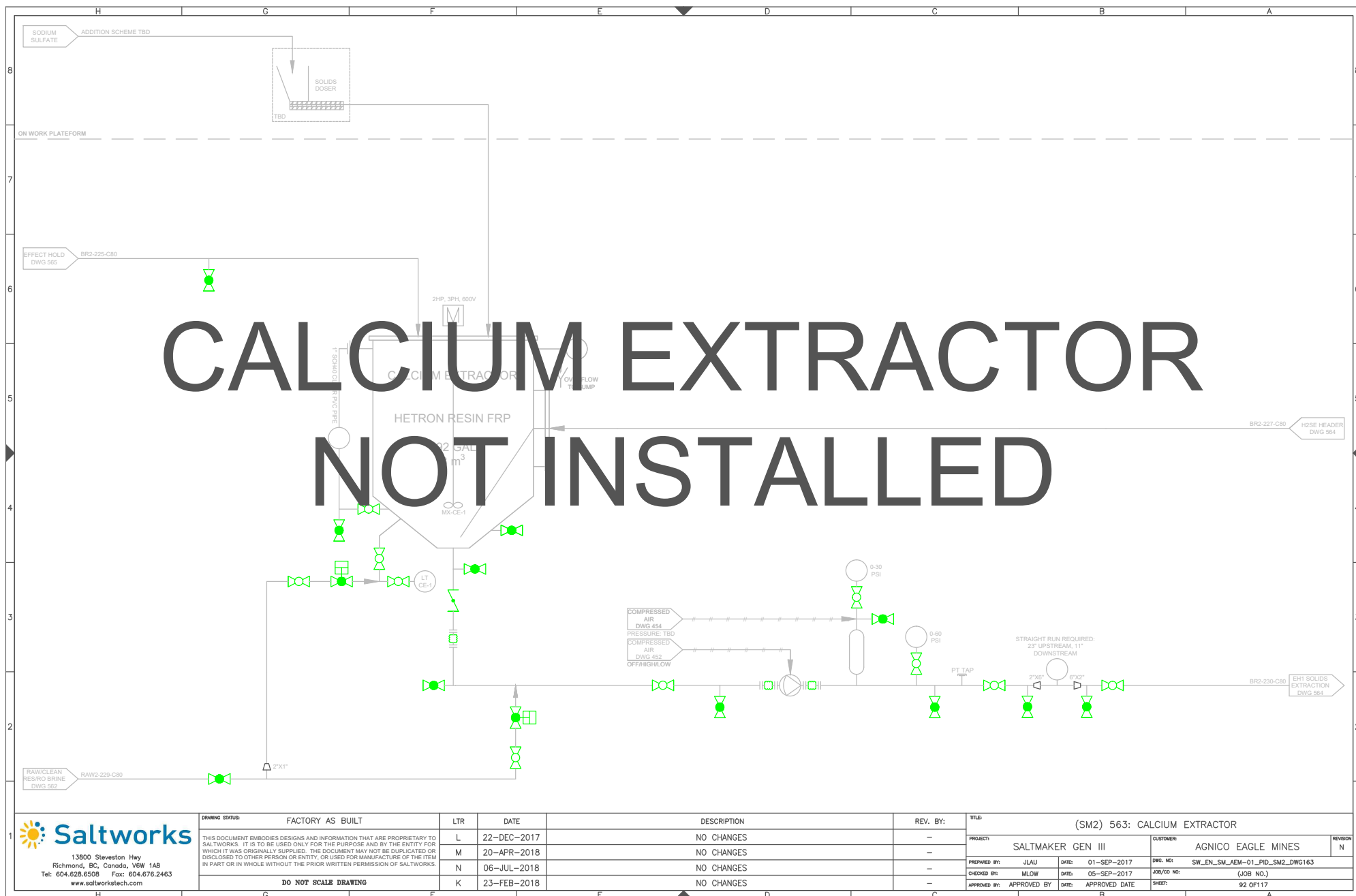
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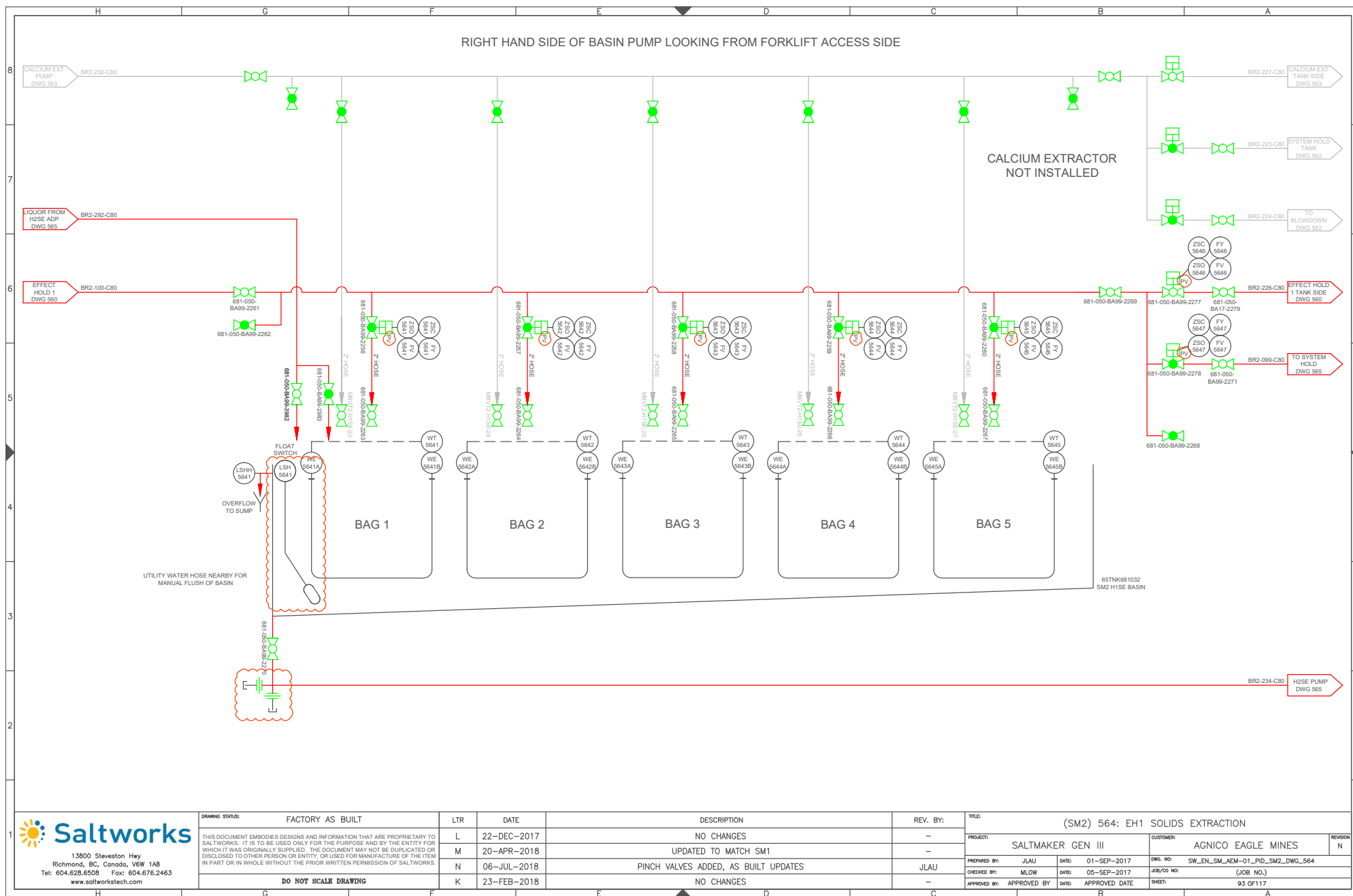
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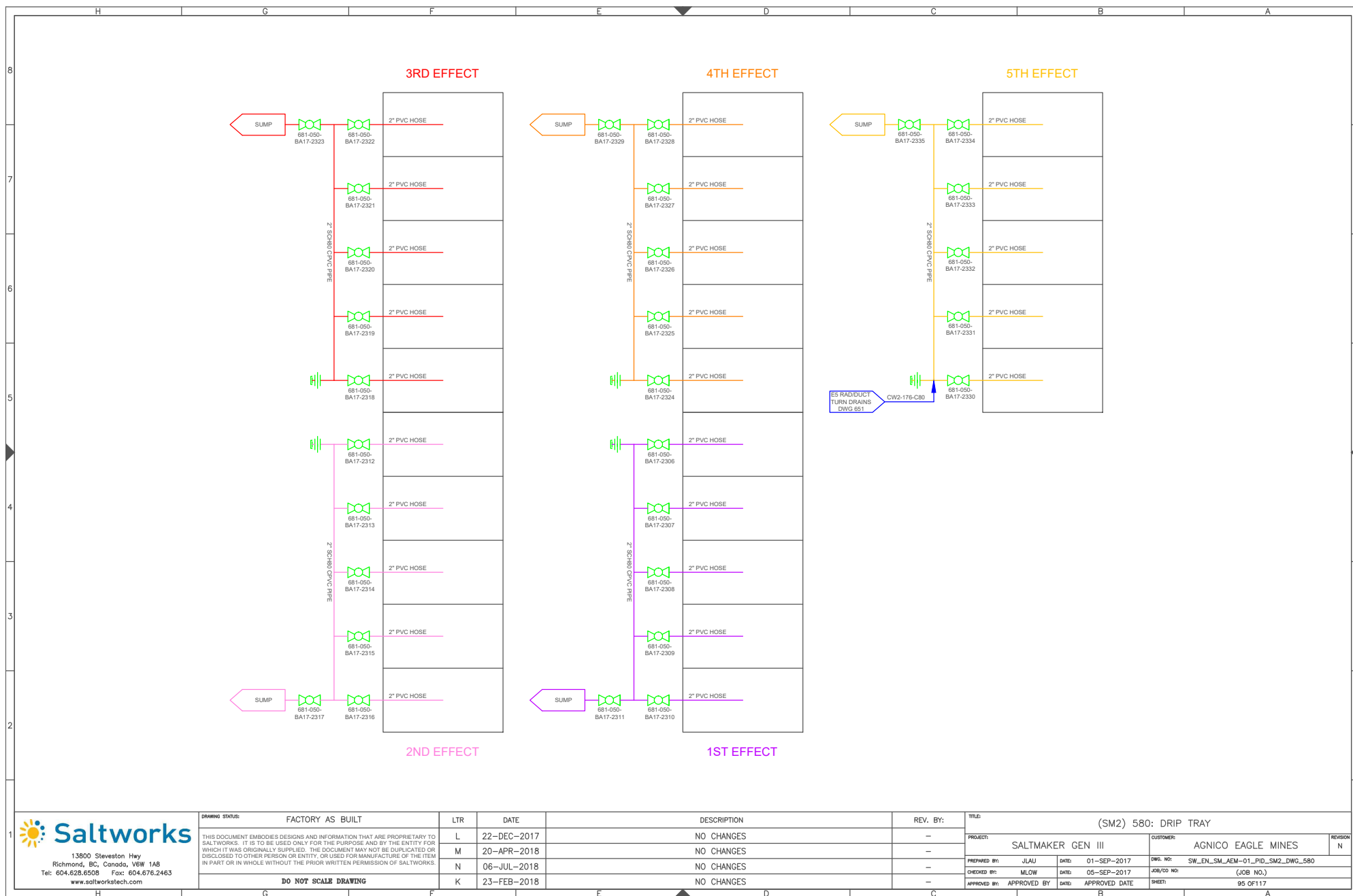
NOT INSTALLED



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Tel: 604.628.6508 Fax: 604.676.2463
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			M	20-APR-2018	NO CHANGES	—	PREPARED BY: JLAU		DATE: 01-SEP-2017	DWG. NO: SW_EN_SM_AEM-01_PID_SM2_DWG163	
			N	06-JUL-2018	NO CHANGES	—	CHECKED BY: MLOW		DATE: 05-SEP-2017	JOB/CD NO: (JOB NO.)	
			K	23-FEB-2018	NO CHANGES	—	APPROVED BY: APPROVED BY		DATE: APPROVED DATE	SHEET: 92 OF 117	
DO NOT SCALE DRAWING											



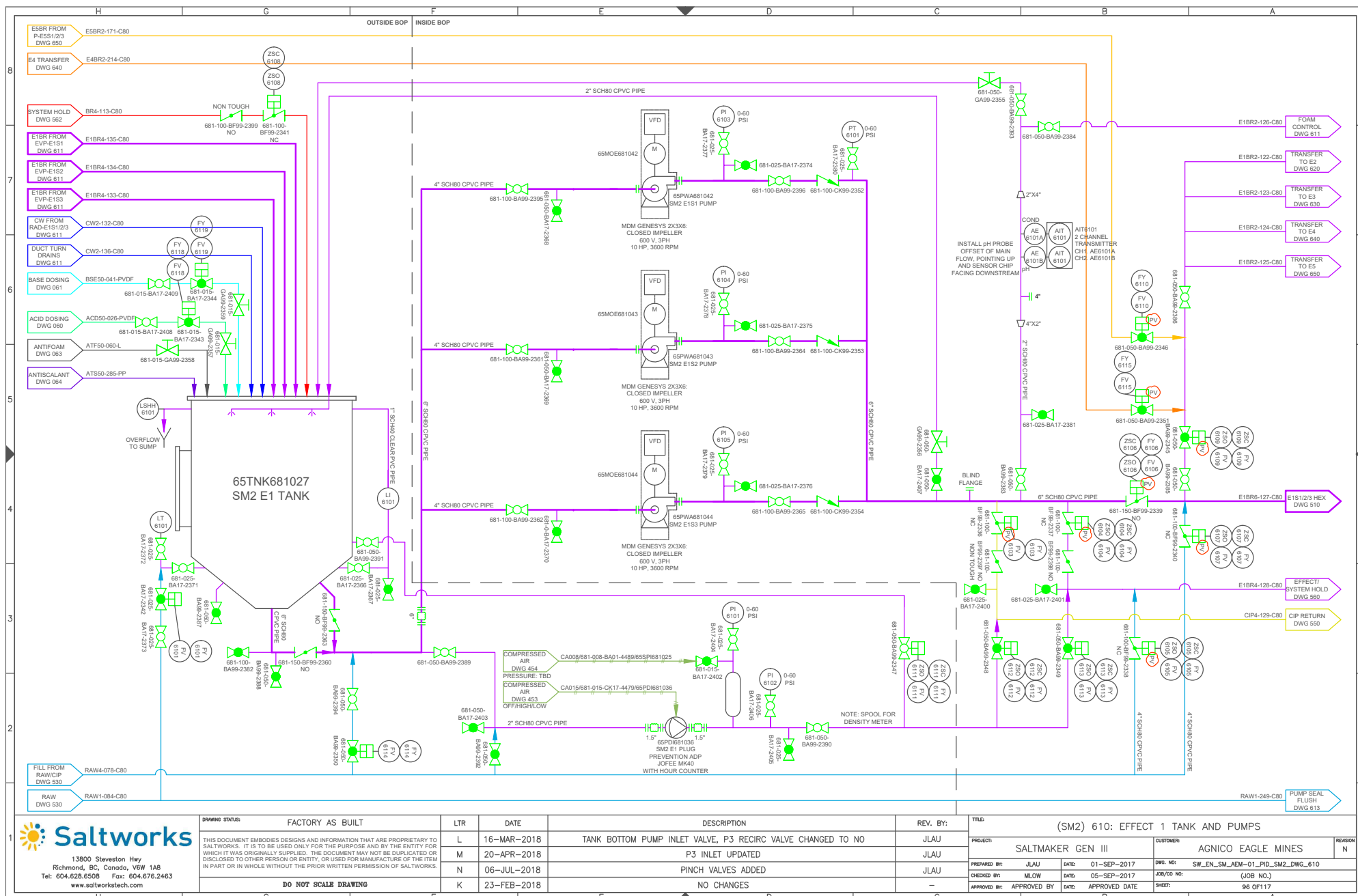


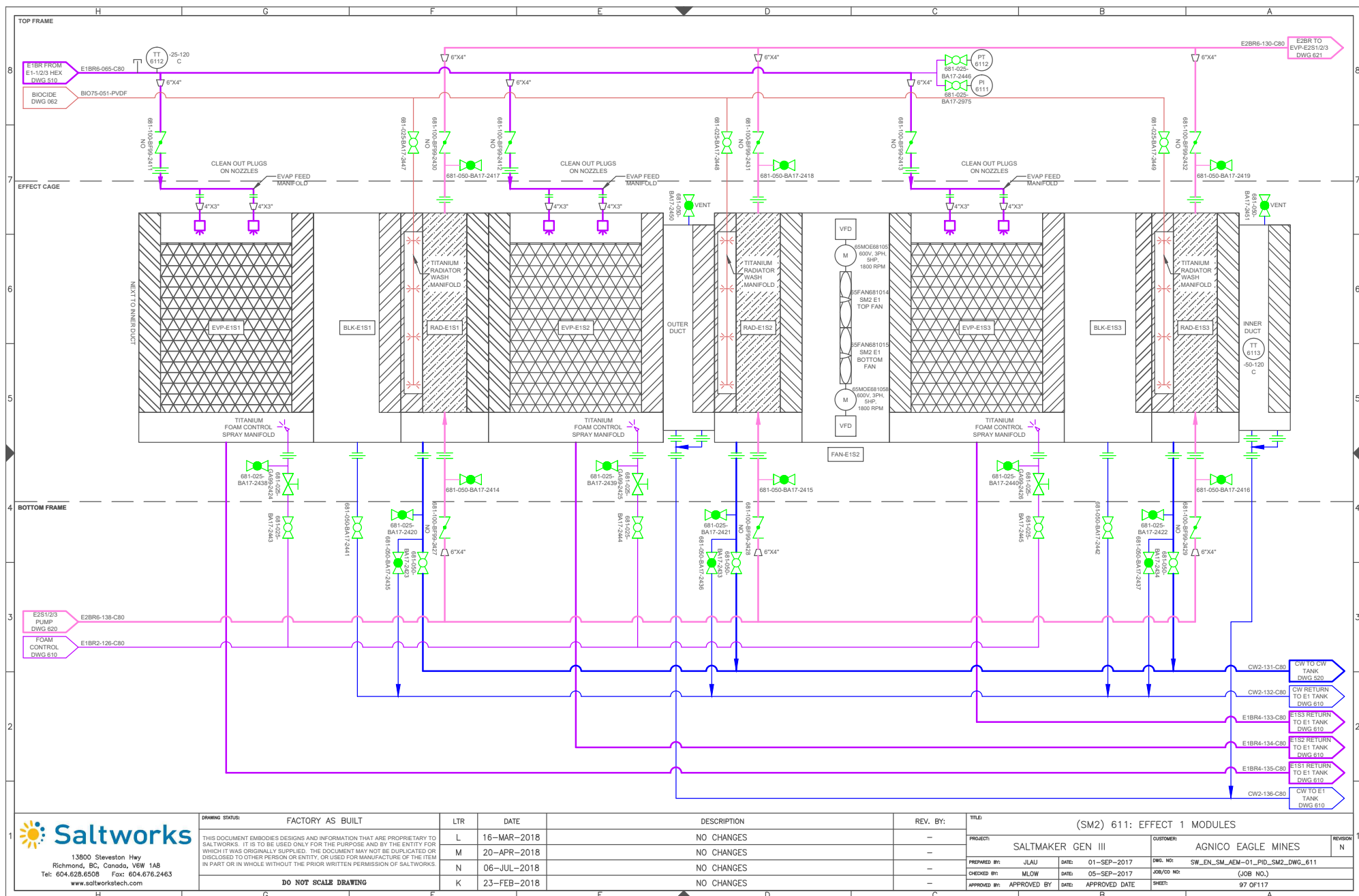
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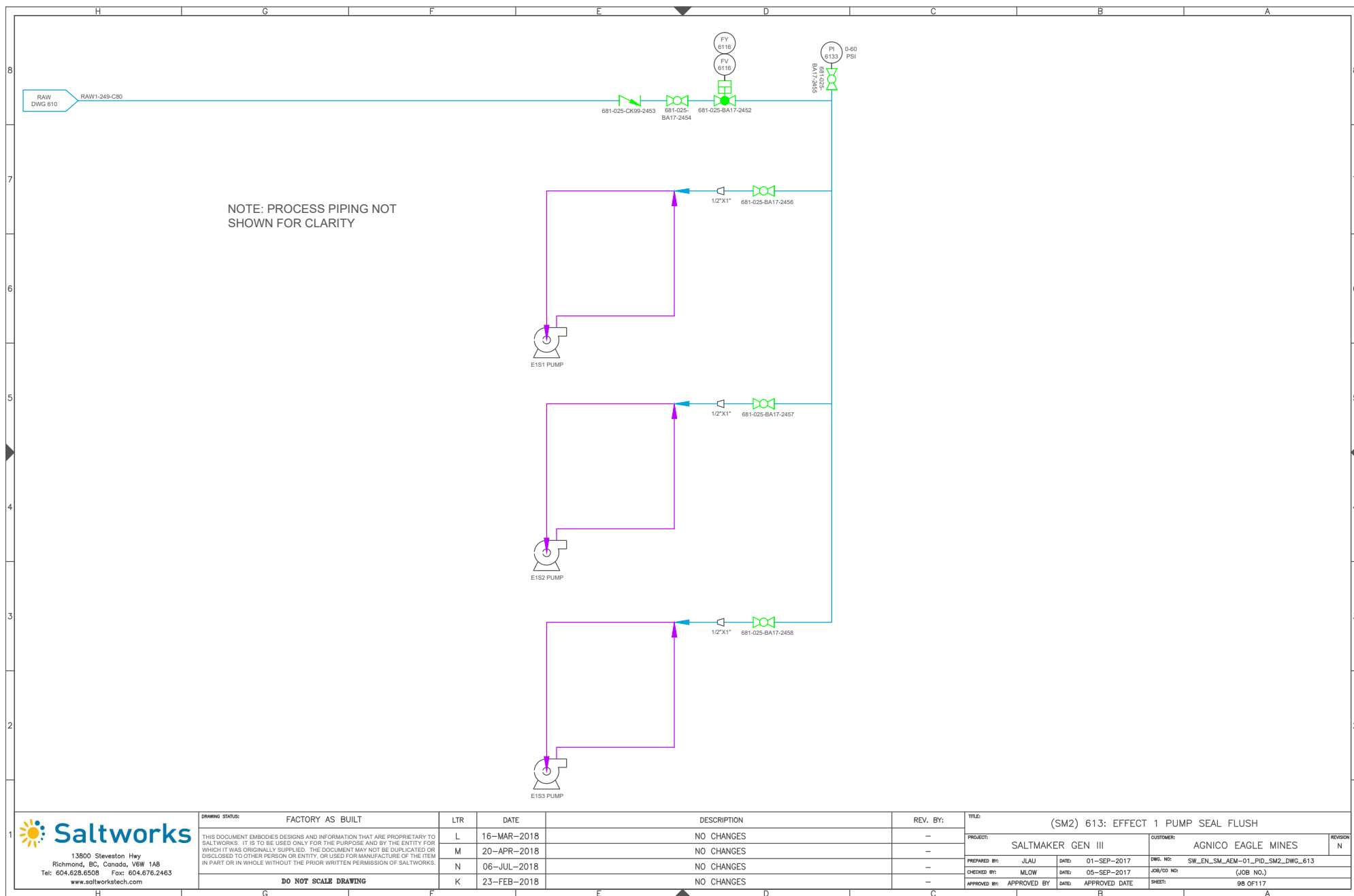
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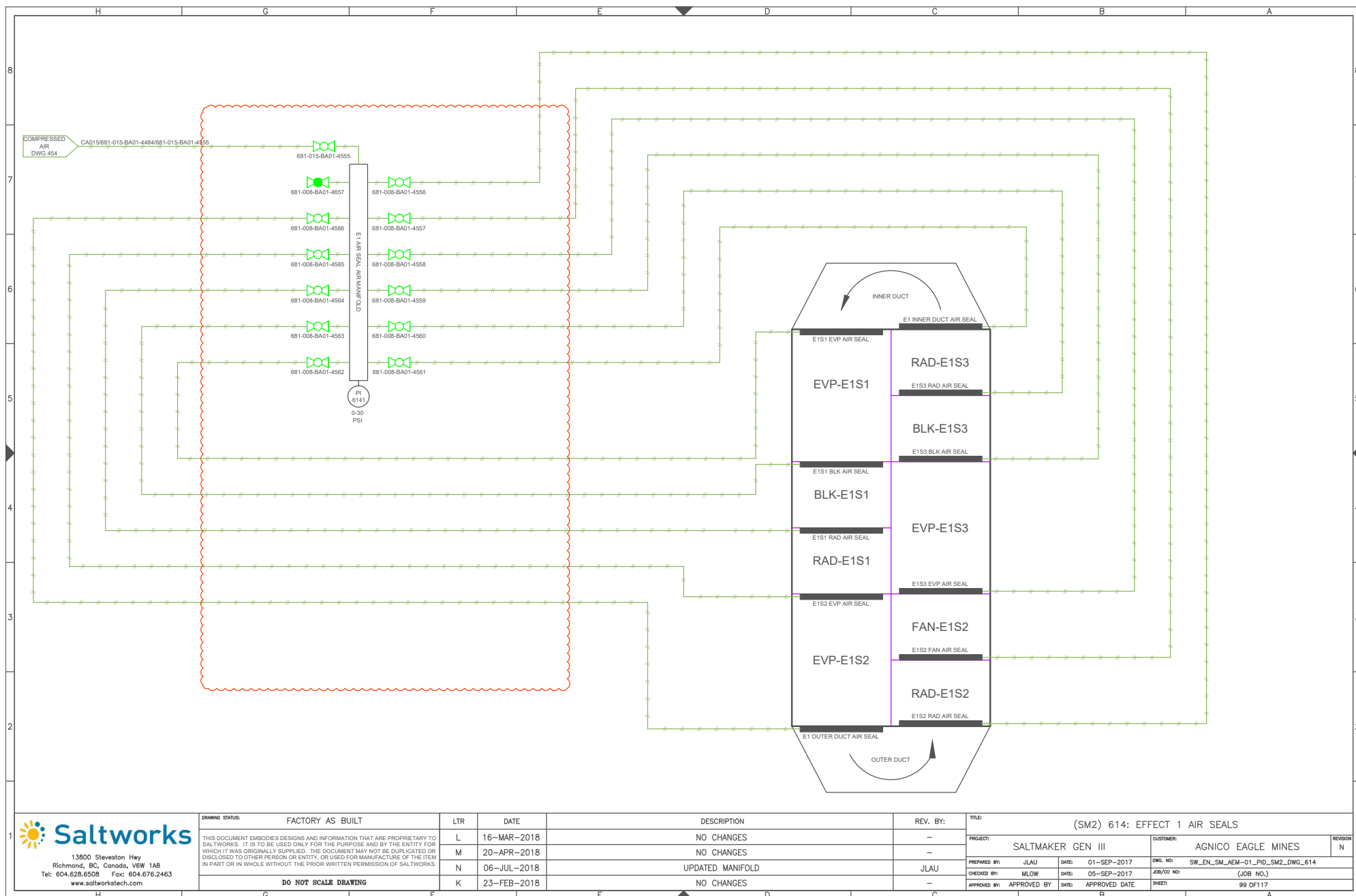
LTR	DATE	DESCRIPTION	REV. BY:
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M	20-APR-2018	NO CHANGES	-
N	06-JUL-2018	NO CHANGES	-
K	23-FEB-2018	NO CHANGES	-

TITLE:	(SM2) 580: DRIP TRAY
PROJECT:	SALTMAKER GEN III
CUSTOMER:	AGNICO EAGLE MINES
PREPARED BY:	JLAU
DATE:	01-SEP-2017
DWG. NO.:	SW_EN_SM_AEM-01_PID_SM2_DWG_580
CHECKED BY:	MLOW
DATE:	05-SEP-2017
JOB/CD NO.:	(JOB NO.)
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DATE:	APPROVED DATE
SHEET:	95 OF 117







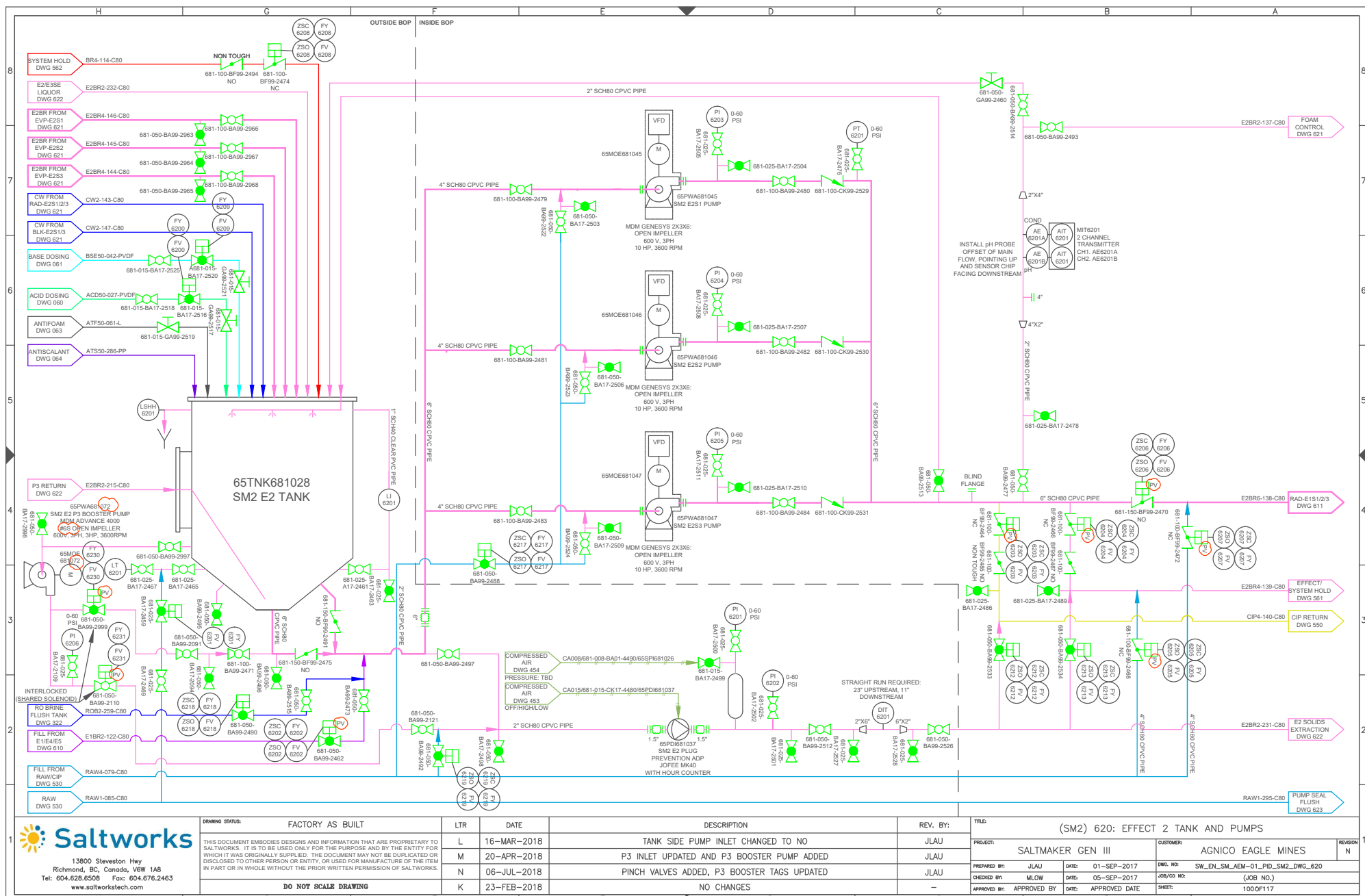


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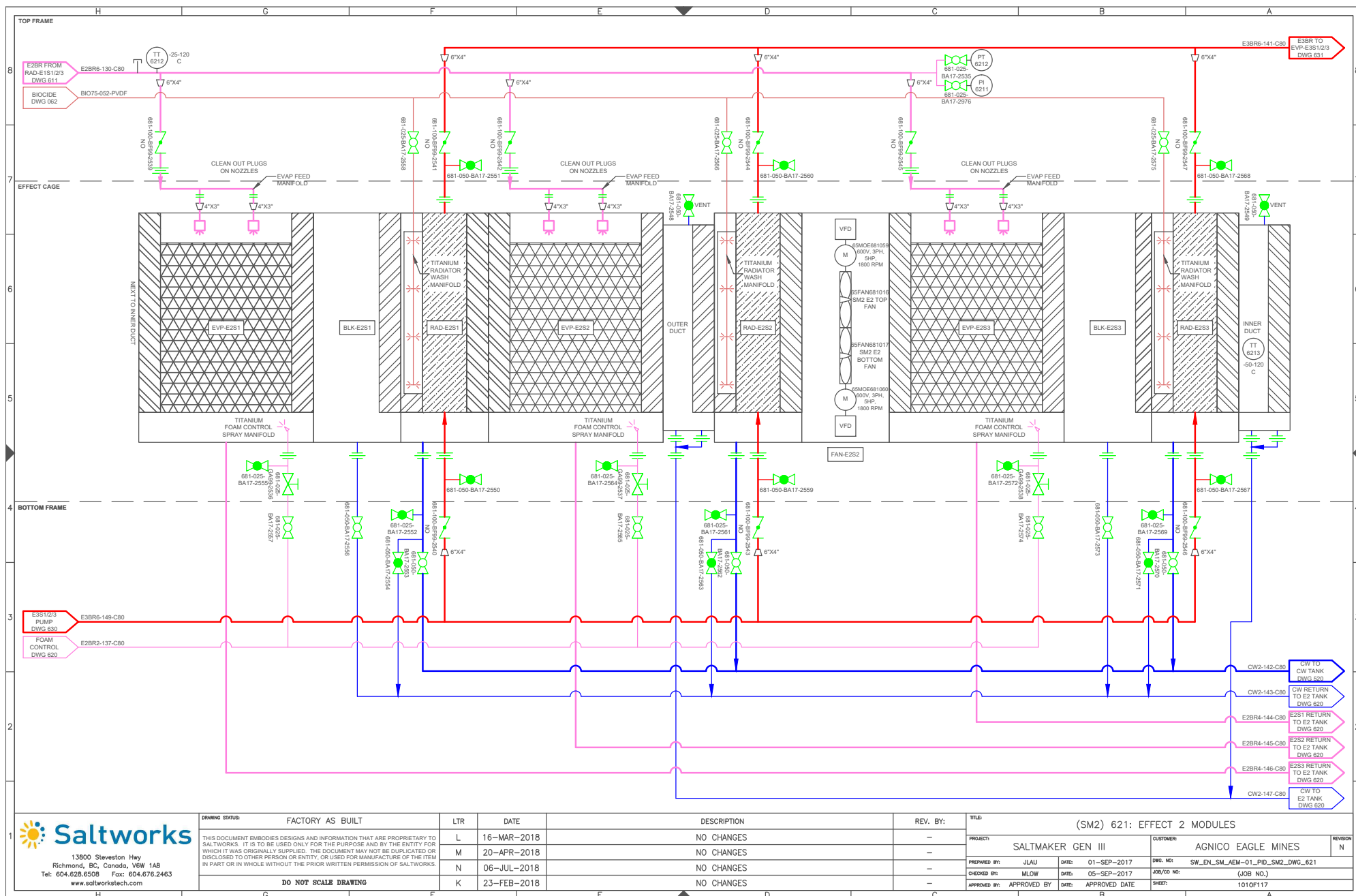
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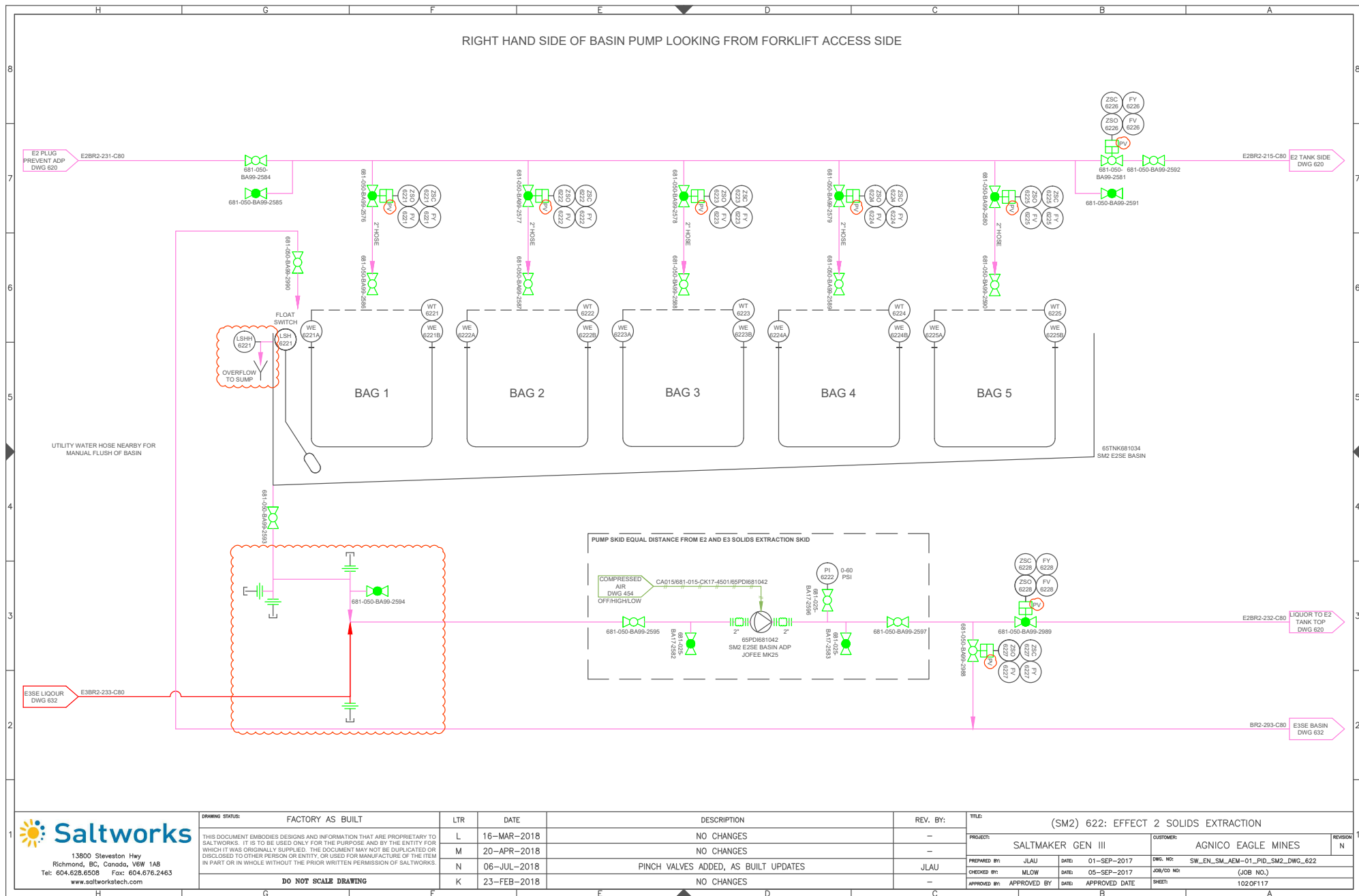
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M	20-APR-2018	NO CHANGES	-
N	06-JUL-2018	UPDATED MANIFOLD	JLAU
K	23-FEB-2018	NO CHANGES	-

REV. BY:	TITLE: (SM2) 614: EFFECT 1 AIR SEALS				
—	PROJECT: SALTMAKER GEN III			CUSTOMER: AGNICO EAGLE MINES	REVISION: N
JLAU	PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO: SW_EN_SM_AEM-01_PID_SM2_DWG_614		
—	CHECKED BY: MLOW	DATE: 05-SEP-2017	JOB/CD NO: (JOB NO.)		
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		M	20-APR-2018	P3 INLET UPDATED AND P3 BOOSTER PUMP ADDED	JLAU	PREPARED BY:	JLAU	DATE:	01-SEP-2017	DWG. NO:	SW_ENL_SM_AEM-01_PID_SM2_DWG_620
		N	06-JUL-2018	PINCH VALVES ADDED, P3 BOOSTER TAGS UPDATED	JLAU	CHECKED BY:	MLW	DATE:	05-SEP-2017	JOB/CD NO:	(JOB NO.)
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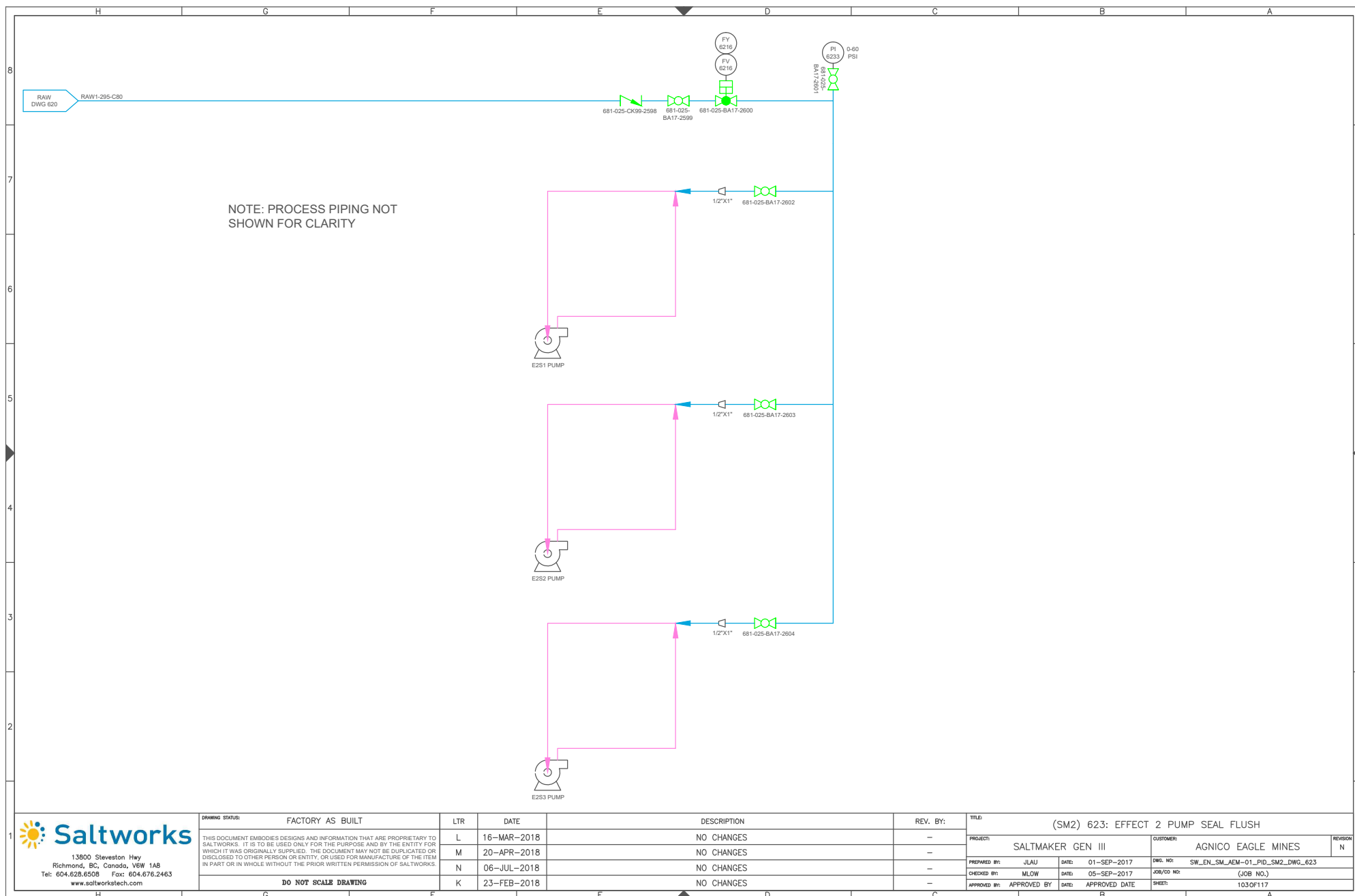


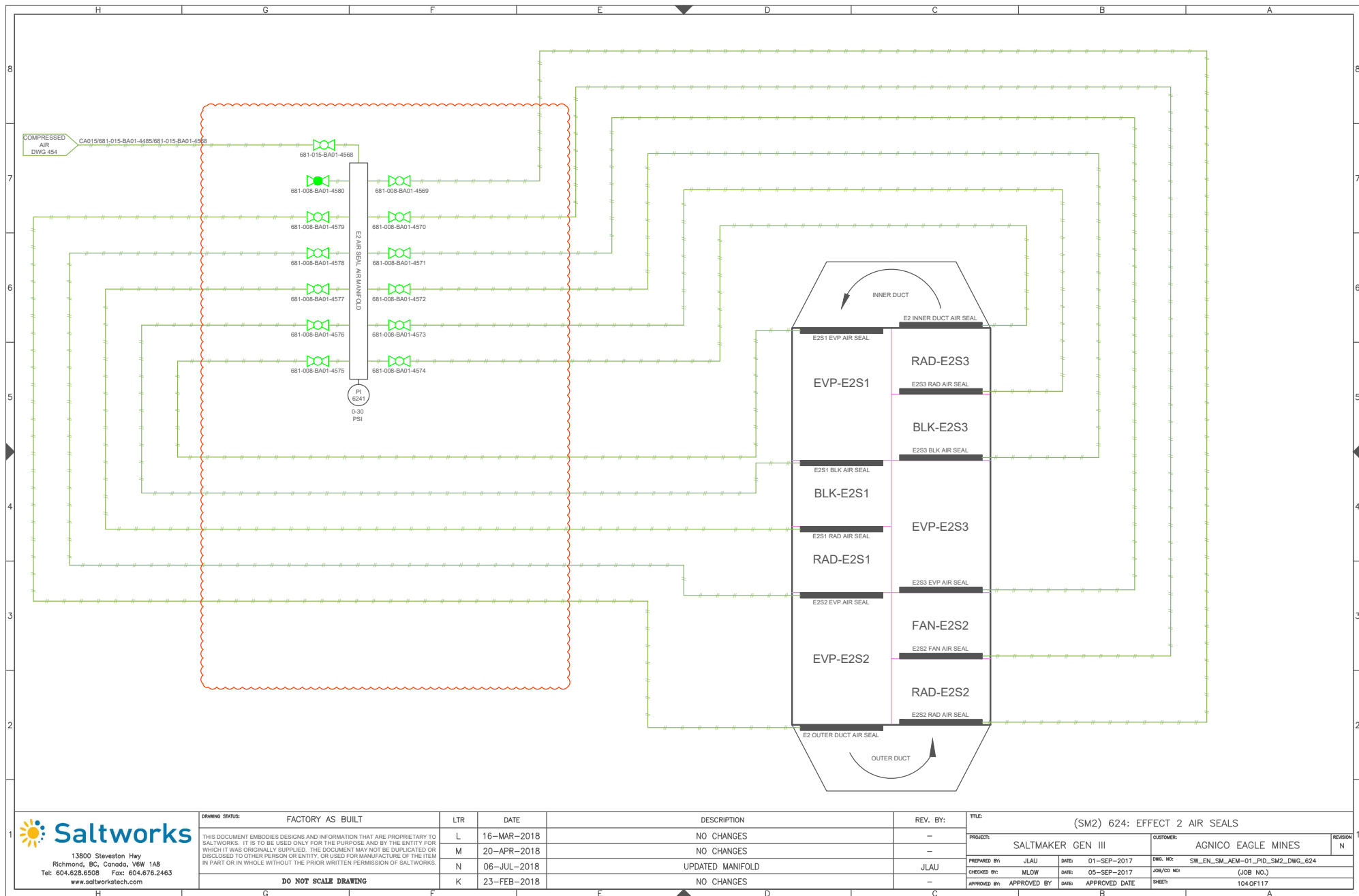
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M	20-APR-2018
N	06-JUL-2018
K	23-FEB-2018

LTR	DATE	DESCRIPTION	REV. BY:
L	16-MAR-2018	NO CHANGES	-
M	20-APR-2018	NO CHANGES	-
N	06-JUL-2018	PINCH VALVES ADDED, AS BUILT UPDATES	JLAU
K	23-FEB-2018	NO CHANGES	-

TITLE:	(SM2) 622: EFFECT 2 SOLIDS EXTRACTION
PROJECT:	SALTMAKER GEN III
CUSTOMER:	AGNICO EAGLE MINES
PREPARED BY:	JLAU
DATE:	01-SEP-2017
DWG. NO.:	SW_EN_SM_AEM-01_PID_SM2_DWG_622
CHECKED BY:	MLOW
DATE:	05-SEP-2017
JOB/CD NO.:	(JOB NO.)
APPROVED BY:	APPROVED BY
DATE:	APPROVED DATE
SHEET:	102 OF 117

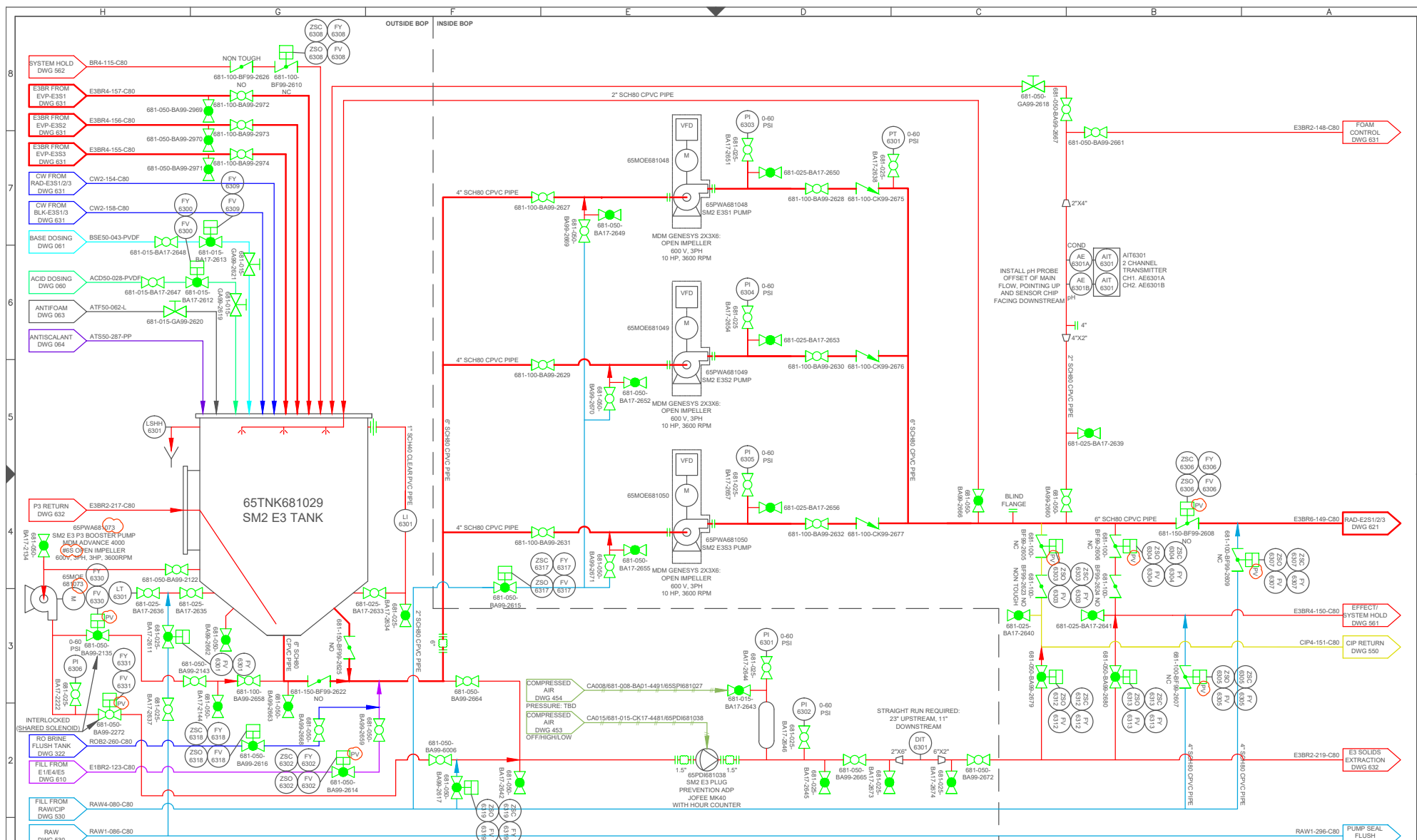




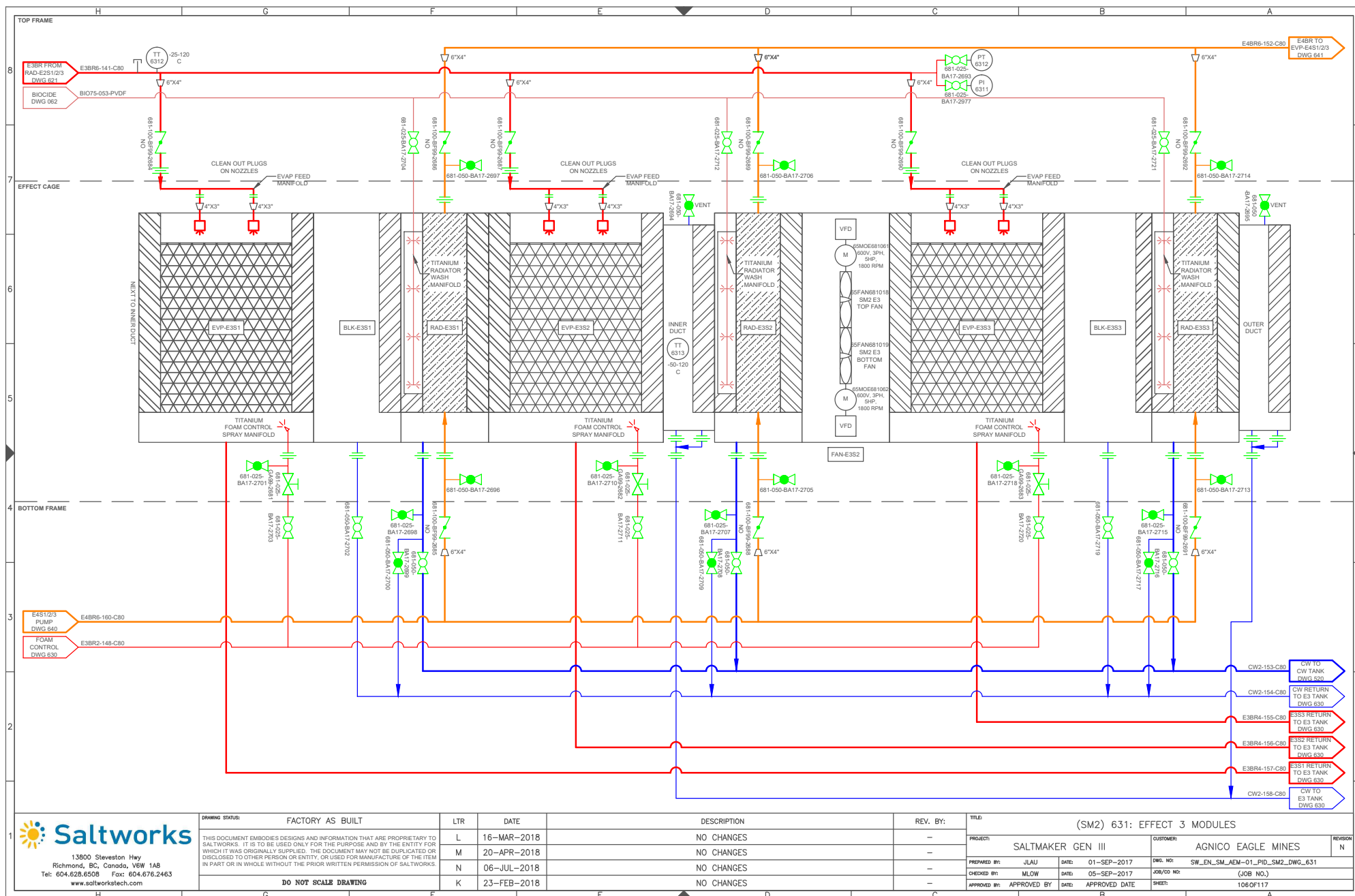
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		N	06-JUL-2018
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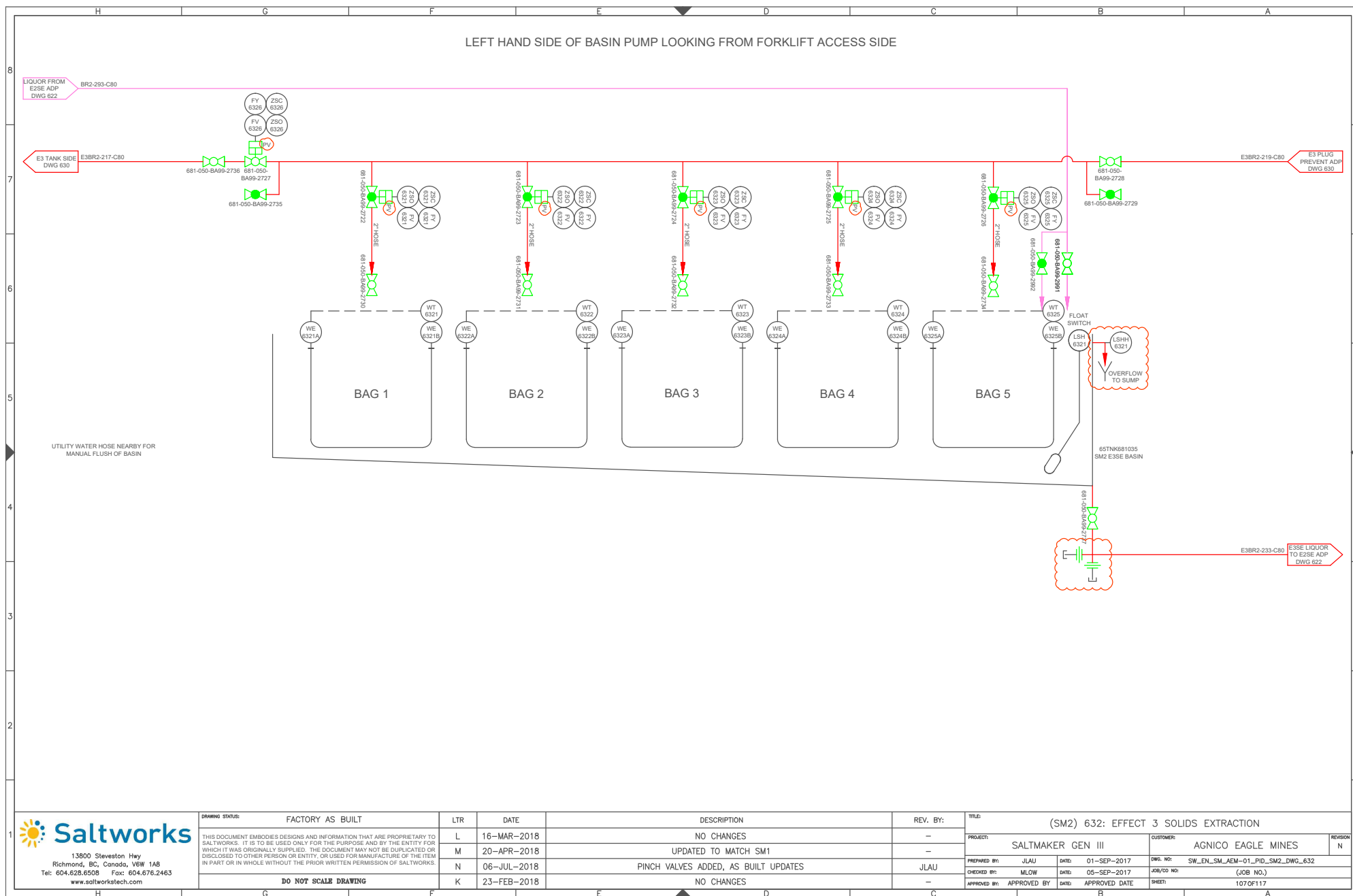
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K	23-FEB-2018	NO CHANGES	-

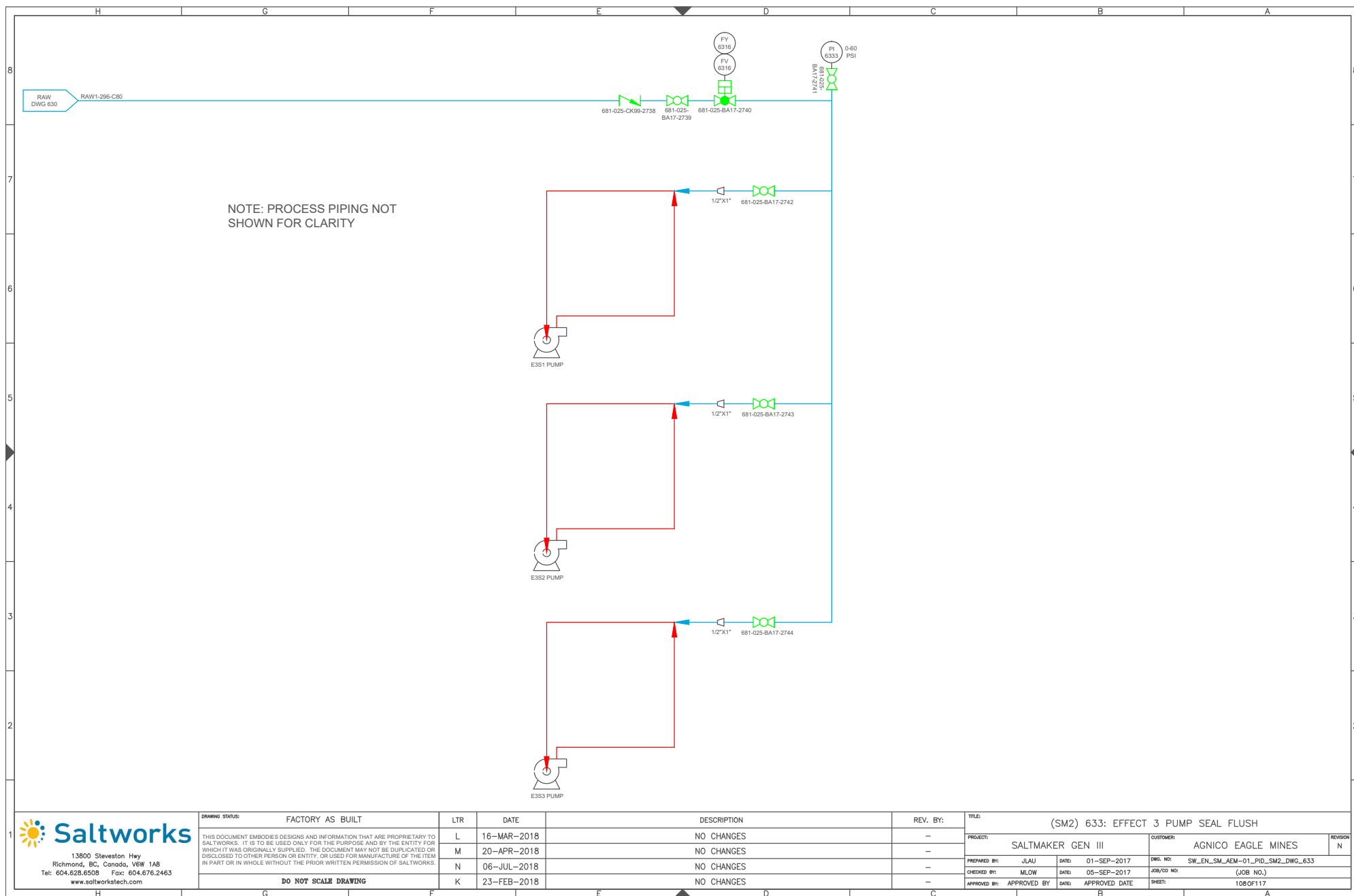
TITLE: (SM2) 624: EFFECT 2 AIR SEALS			
PROJECT: SALTMAKER GEN III		CUSTOMER: AGNICO EAGLE MINES	
PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO: SW_EN_SM_AEM-01_PID_SM2_DWG_624	REVISION: N
CHECKED BY: MLOW	DATE: 05-SEP-2017	JOB/CD NO: (JOB NO.)	
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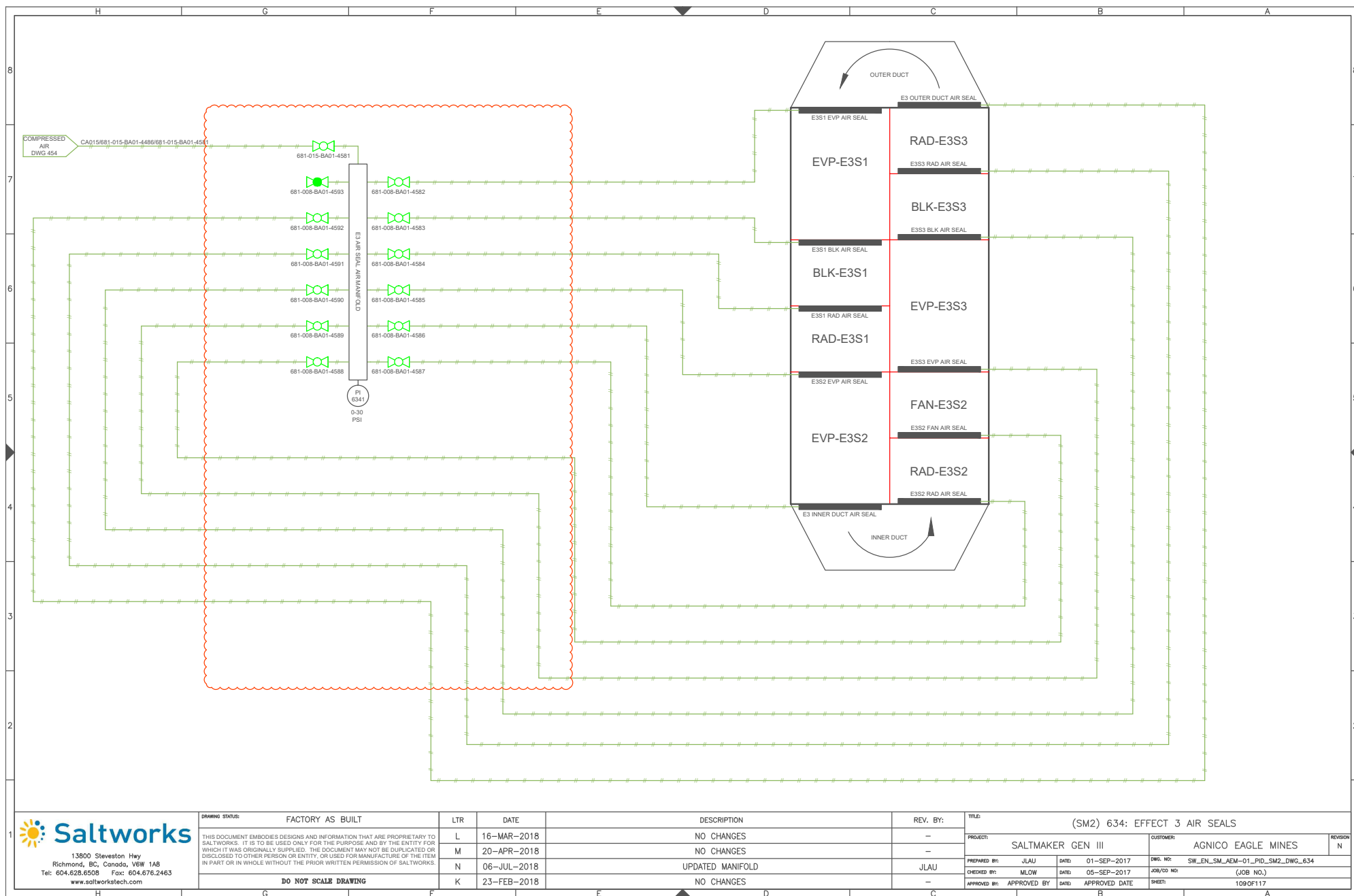


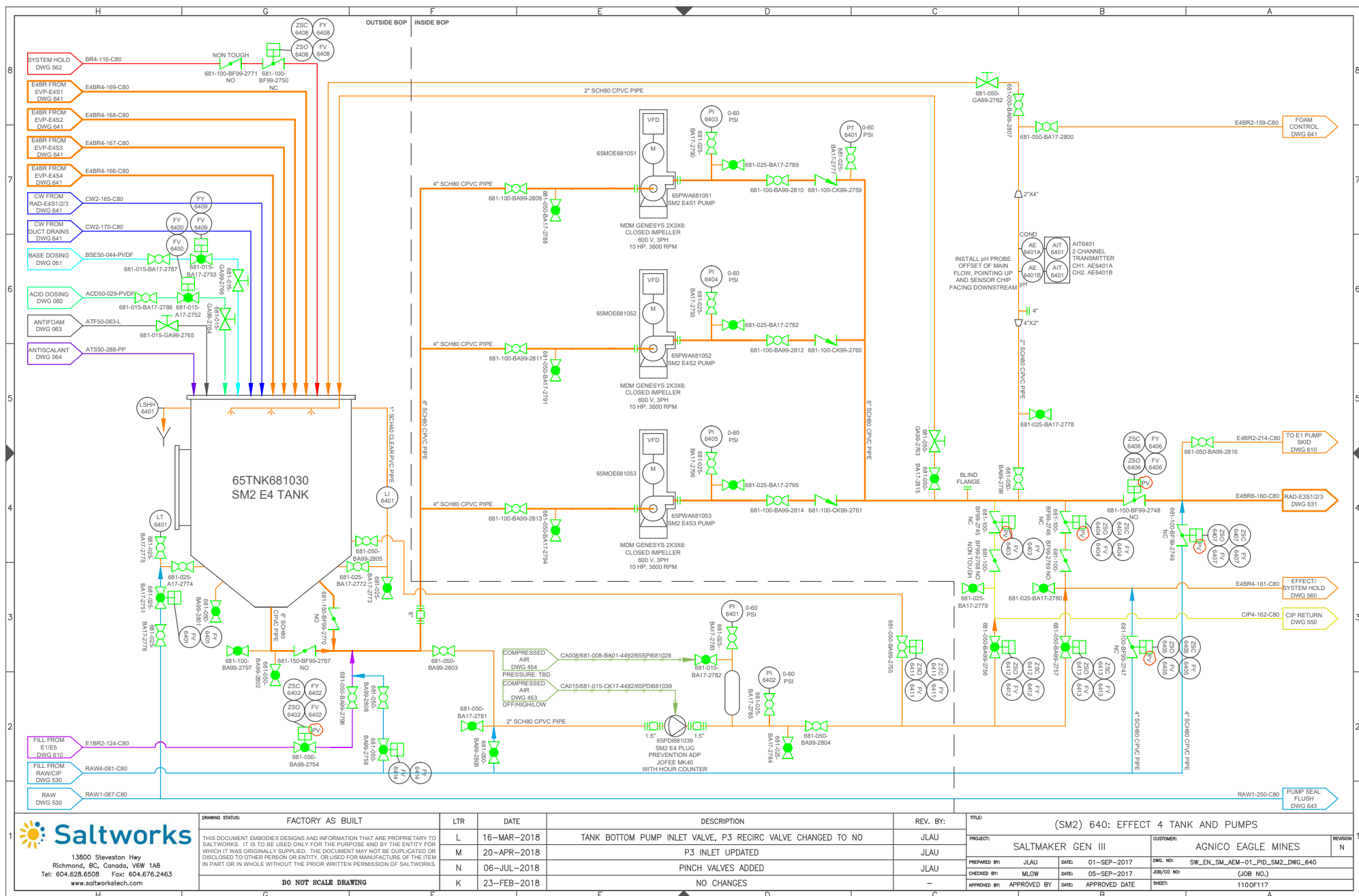
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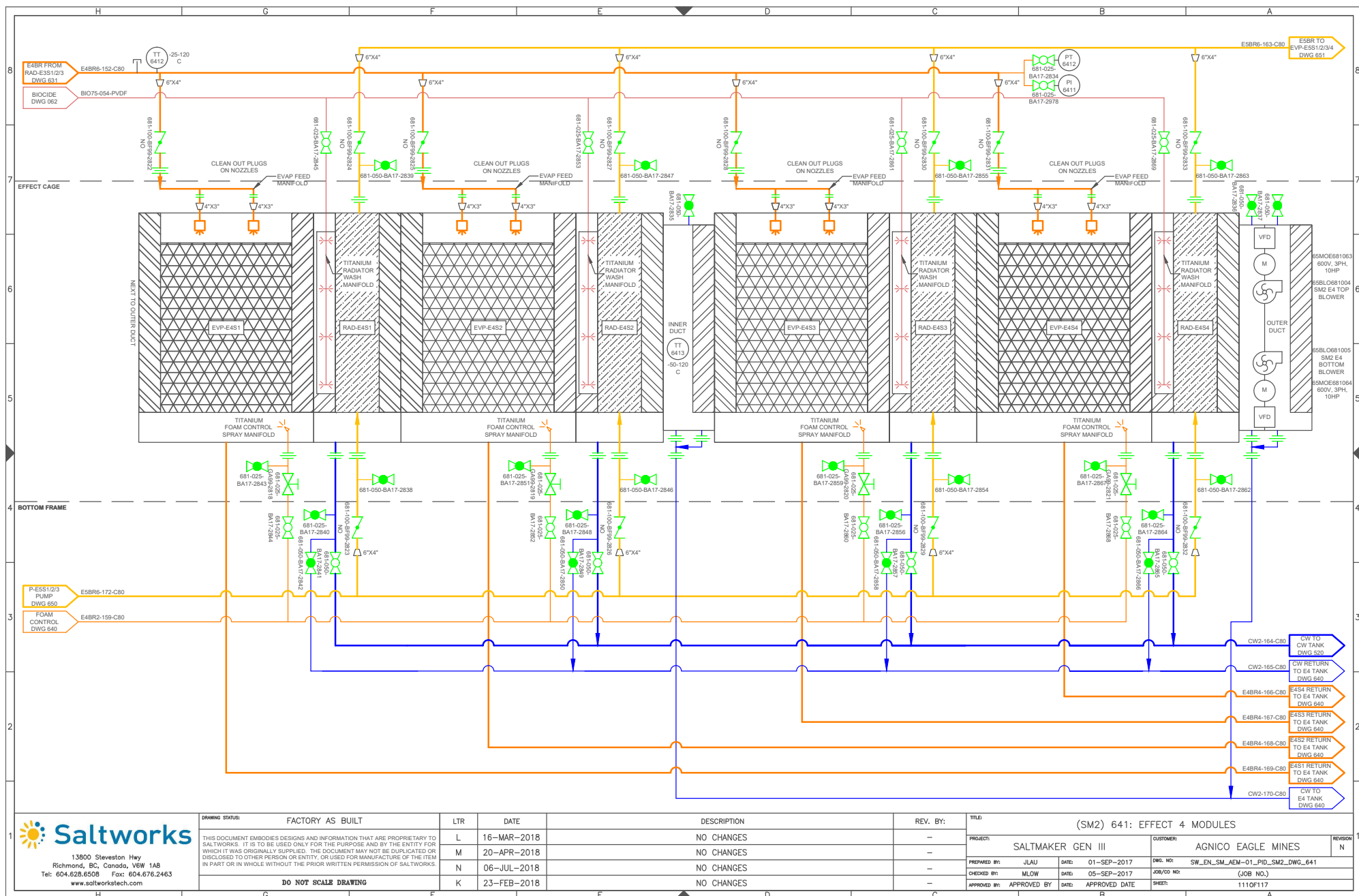




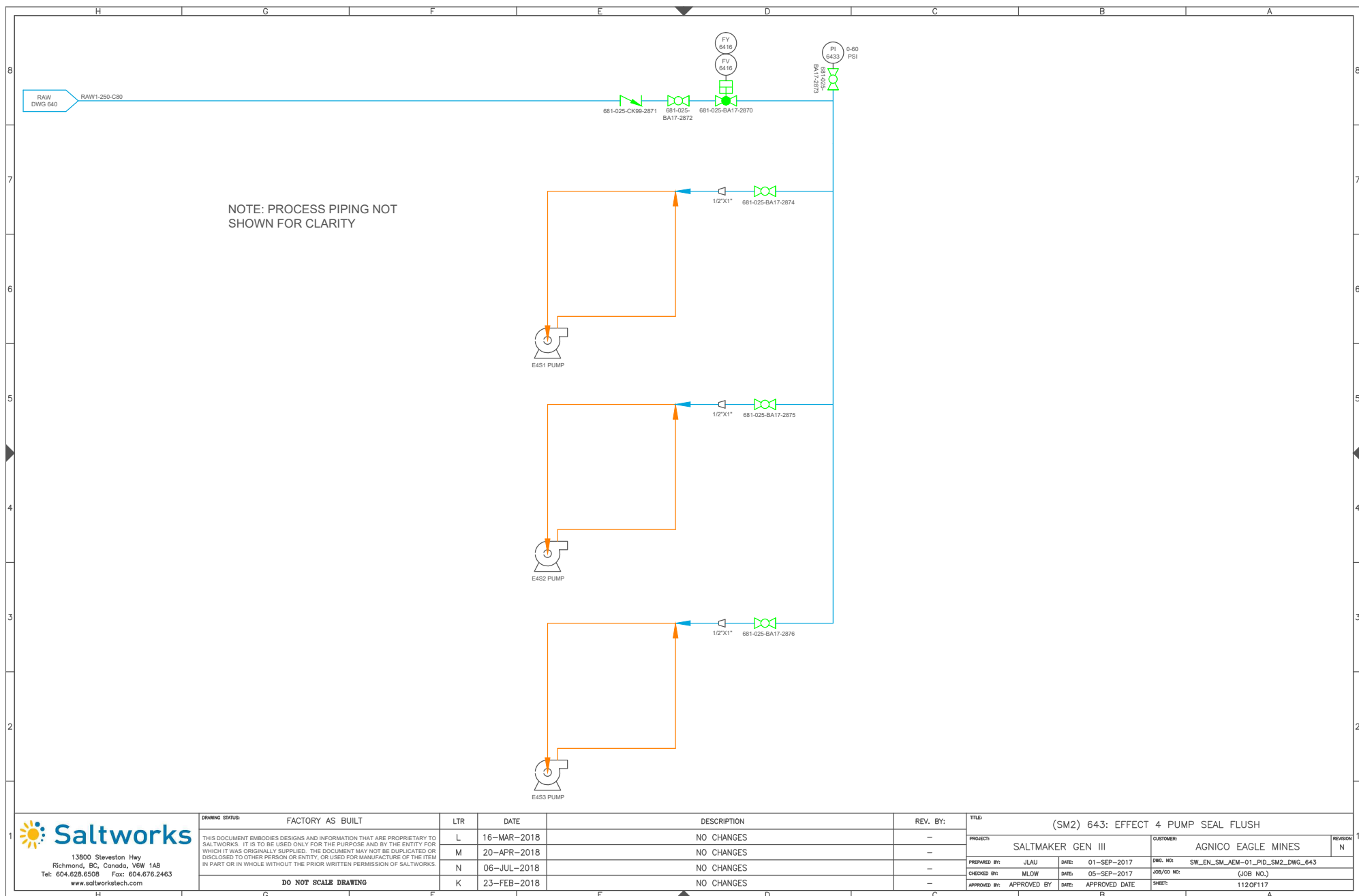


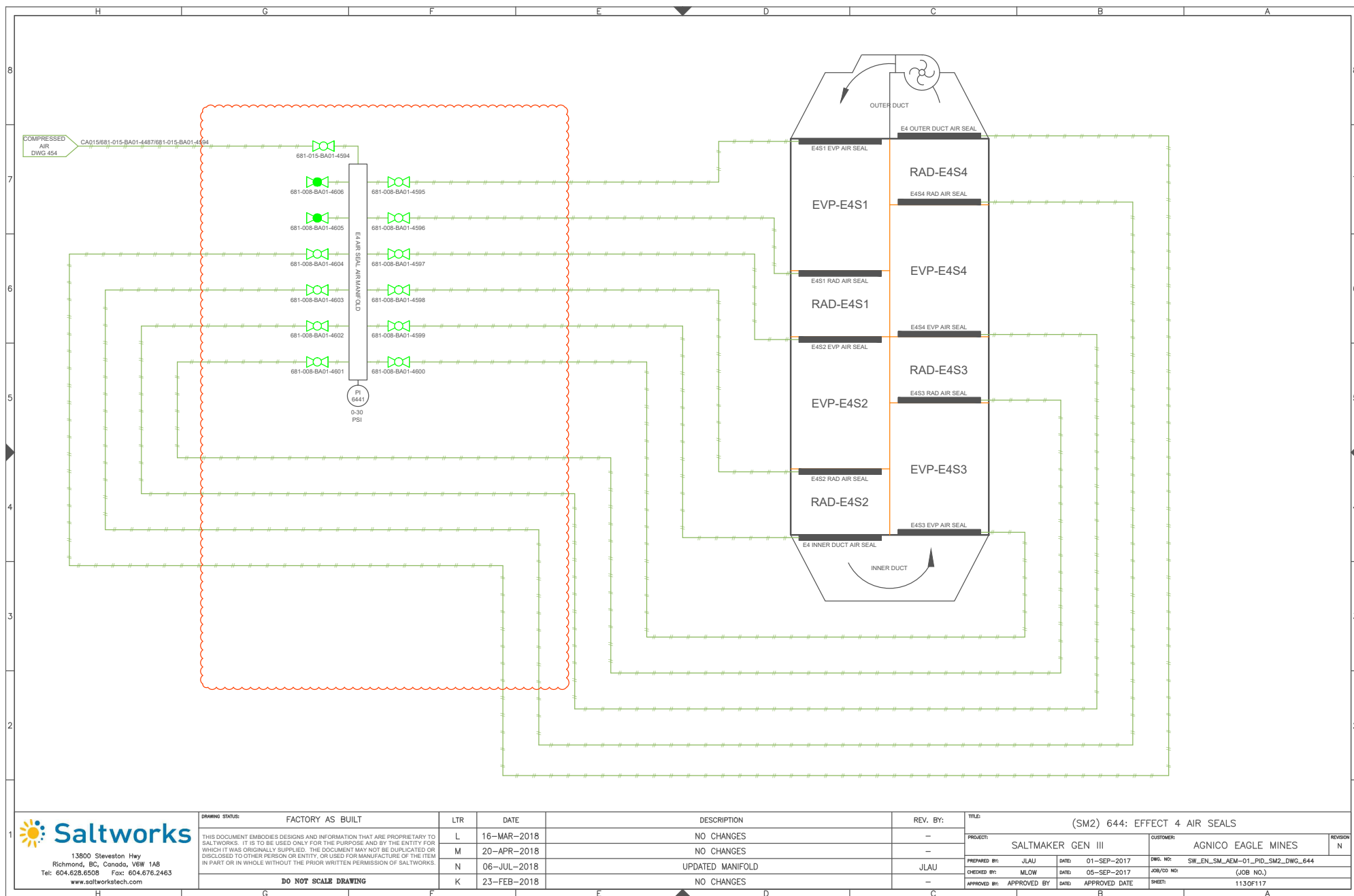






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	M	20-APR-2018			NO CHANGES	-				
	N	06-JUL-2018			NO CHANGES	-	PREPARED BY: JLAU		DATE: 01-SEP-2017	DWG. NO: SW_EN_SM_AEM-01_PID_SM2_DWG_641
DO NOT SCALE DRAWING	K	23-FEB-2018			NO CHANGES	-	CHECKED BY: MLOW		DATE: 05-SEP-2017	JOB/CD NO: (JOB NO.)
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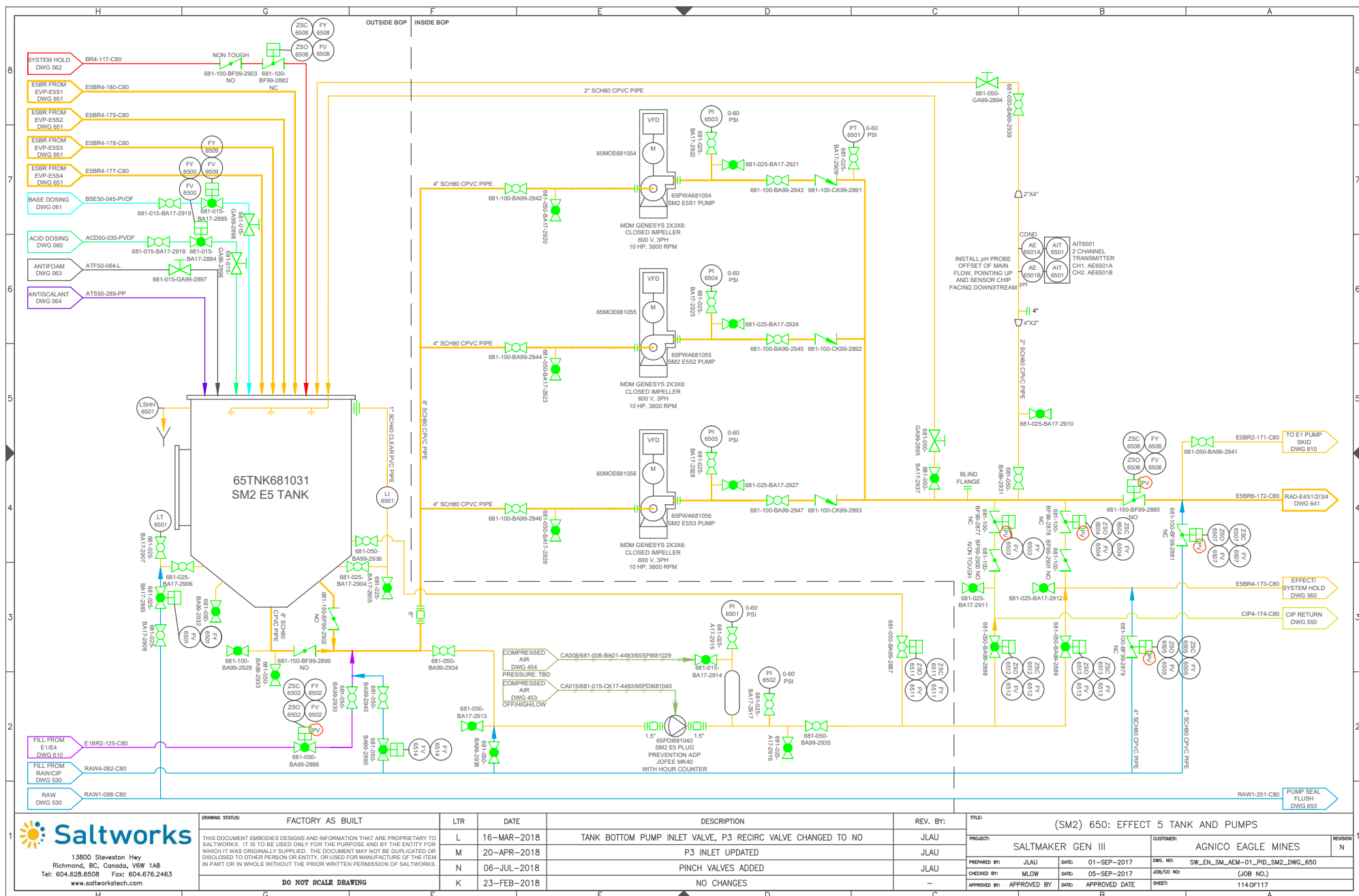
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LTR	DATE	DESCRIPTION	REV. BY:
L	16-MAR-2018	NO CHANGES	-
M	20-APR-2018	NO CHANGES	-
N	06-JUL-2018	UPDATED MANIFOLD	JLAU
K	23-FEB-2018	NO CHANGES	-

TITLE:	(SM2) 644: EFFECT 4 AIR SEALS		
PROJECT:	SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES
PREPARED BY:	JLAU	DATE:	01-SEP-2017
CHECKED BY:	MLOW	DATE:	05-SEP-2017
APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE
DWG. NO:	SW_EN_SM_AEM-01_PID_SM2_DWG_644	JOB/CD NO:	(JOB NO.)
SHEET:	113OF117		

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		M	20-APR-2018	P3 INLET UPDATED			JLAU					
		N	06-JUL-2018	PINCH VALVES ADDED			JLAU	PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO: SW_EN_SM_AEM-01_PID_SM2-DWG_650		
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