







NOTES GÉNÉRALES / GENERAL NOTES

LEGEND

-  ARCHEOLOGICAL SITE MITIGATED
-  ARCHEOLOGICAL SITE STAKED
-  ARCHEOLOGICAL SITE NOT MITIGATED
-  WORKING POINT

NE PAS UTILISER
POUR CONSTRUCTION
NOT FOR CONSTRUCTION

CONFIRMATION D'ACHAT DE LA PROPRIÉTÉ DE BIENS SANS LITIGES ET DONT DES INFORMATIONS SONT FOURNIES, SANS AUTOMATISME
MÉCANIQUE, NÉCESSAIREMENT DE COPIES À REMPLIR ET NON VIGILANCE AUTRE QUE CELLE POUR L'ÉVALUATION CONFIRMATION DE
DES INFORMATIONS. ☐ ACHETEUR SANS LITIGES

DESSINS EN RÉFÉRENCE / REFERENCE DRAWING

GRADE / TITLE	# DAYS
INDUSTRIAL SITE - GRADING / FINISHED GRADE ELEVATION	65-000-230-207



REV.	DATE	DESCRIPTION	PAR/WH	APP.	C
REVISIONS					

TECHNOLOGICAL

THE ORIGINAL OF THIS TECHNOLOGICAL DOCUMENT WAS ISSUED AND AUTHENTICATED:
OLIVER FERRELLUT, P. Eng. ON 2018-XX-XX

TIME / TITLE	DATE	TIME	LOCATION	REMARKS
0800 / 0830	10/10/2010	0800	0830	0800
0830 / 0900	10/10/2010	0830	0900	0830
0900 / 0930	10/10/2010	0900	0930	0900
0930 / 1000	10/10/2010	0930	1000	0930
1000 / 1030	10/10/2010	1000	1030	1000
1030 / 1100	10/10/2010	1030	1100	1030
1100 / 1130	10/10/2010	1100	1130	1100
1130 / 1200	10/10/2010	1130	1200	1130
1200 / 1230	10/10/2010	1200	1230	1200
1230 / 1300	10/10/2010	1230	1300	1230
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1330 / 1400	10/10/2010	1330	1400	1330
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1530 / 1600	10/10/2010	1530	1600	1530
1600 / 1630	10/10/2010	1600	1630	1600
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1730 / 1800	10/10/2010	1730	1800	1730
1800 / 1830	10/10/2010	1800	1830	1800
1830 / 1900	10/10/2010	1830	1900	1830
1900 / 1930	10/10/2010	1900	1930	1900
1930 / 2000	10/10/2010	1930	2000	1930
2000 / 2030	10/10/2010	2000	2030	2000
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2130 / 2200	10/10/2010	2130	2200	2130
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2230 / 2300	10/10/2010	2230	2300	2230
2300 / 2330	10/10/2010	2300	2330	2300
2330 / 2400	10/10/2010	2330	2400	2330

AGNICO EAGLE – MELIADINE DIVISION
004 – SALINE WATER TREATMENT PLAN

210 - GENERAL ARRANGEMENT

INDUSTRIAL SITE - PORTAL #1

PLAN VIEW

[illegible]

DESIGNED BY: GENEVIEVE BERGERON DATE: 2018-01

VERIFIÉ PAR CHECKED BY	OLIVER PERREAU, P. Eng.	2018-XX
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Approved for:	Contract Number: 11-001	2010-2011
Approved by:		

APPROVED BY	OLMER PERREAU, P. Eng.	2018-X
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ÉCHELLE SCALE	1:1250	DATE	2018-02-21
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NO. DESSIN

65-681-210-201

NO. PROJET	REVISION	FEUILLE
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PROJECT NO.	6545	2	1 /
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6515	0	7
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FILE NO. 65-681-210-201-80-200



AGNICO EAGLE

Vendor Document Status

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

By:

Date:

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

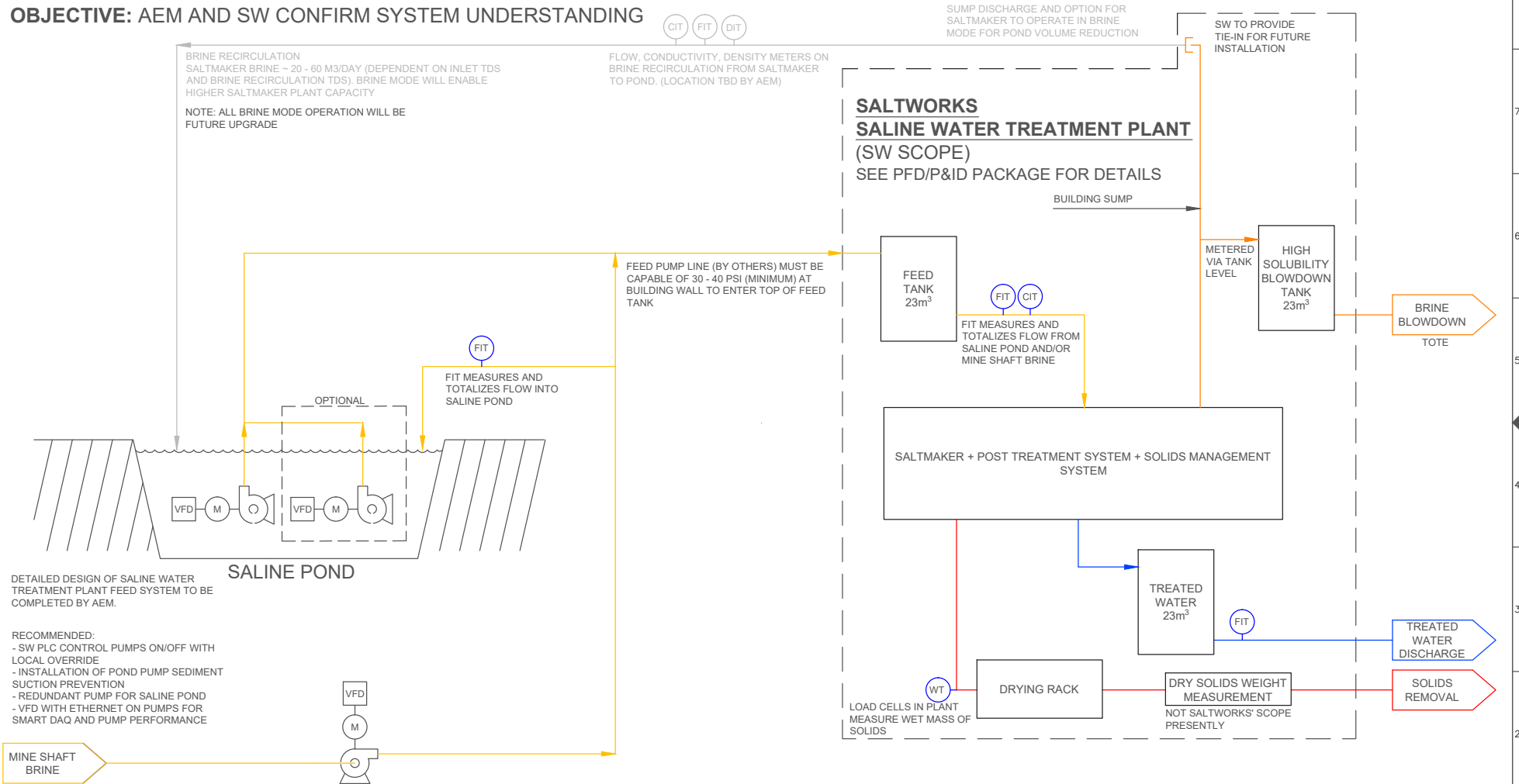
Agnico Eagle
No.

6515-S-265-069-205-PID-0002 R: Sub001

DOCUMENT FOR INFORMATION

AGNICO EAGLE - SALTWORKS: SALINE WATER TREATMENT PLANT INTEGRATION PFD

OBJECTIVE: AEM AND SW CONFIRM SYSTEM UNDERSTANDING



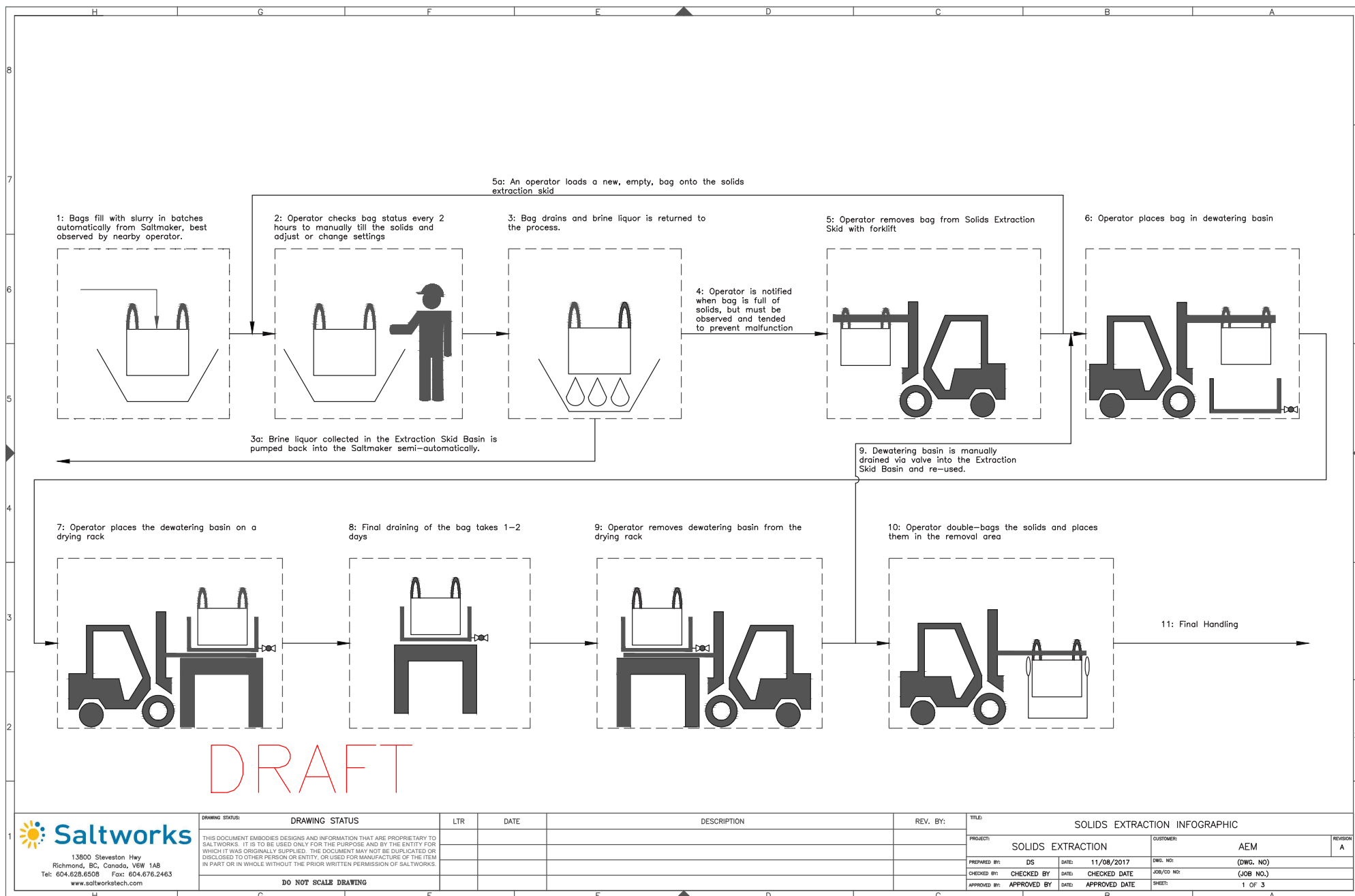
13900 Steveston Hwy
Richmond, BC, Canada, V6W 1A8
Tel: 604.628.6508 Fax: 604.676.2463
www.saltworkstech.com

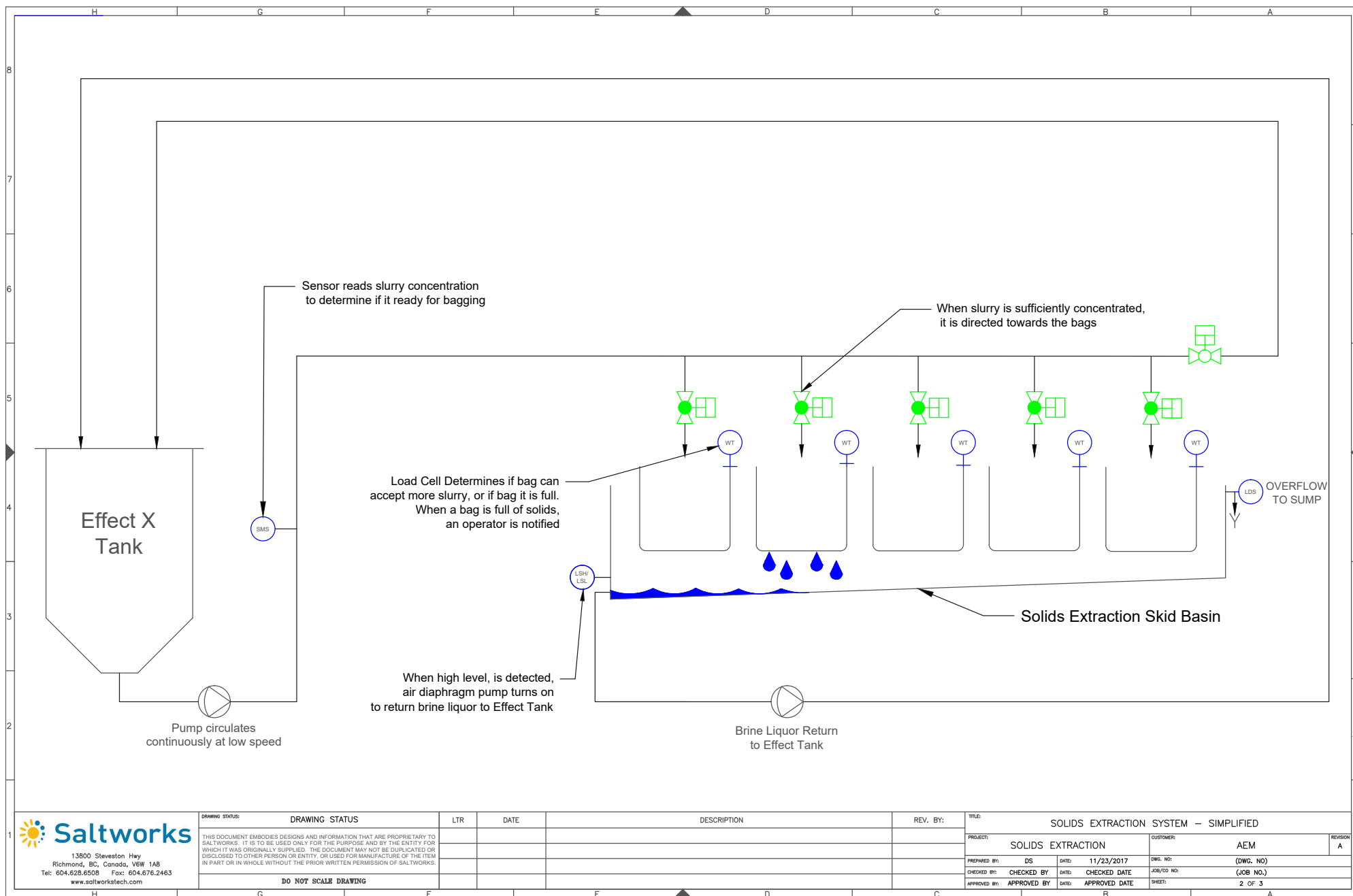
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	2	06-OCT-2017	UPDATED PER AEM COMMENTS	XX	PROJECT: SALTMAKER GEN III	
	3	30-OCT-2017	UPDATED PER AEM COMMENTS	ML	CUSTOMER: AGNICO EAGLE MINES	
					PREPARED BY: XX	DATE: 26-SEP-2017
					CHECKED BY:	DATE:
					APPROVED BY:	DATE: APPROVED DATE
						DATE: APPROVED DATE
						DATE: APPROVED DATE

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	2	06-OCT-2017	UPDATED PER AEM COMMENTS	XX	PROJECT: SALTMAKER GEN III	
	3	30-OCT-2017	UPDATED PER AEM COMMENTS	ML	CUSTOMER: AGNICO EAGLE MINES	
					PREPARED BY: XX	DATE: 26-SEP-2017
					CHECKED BY:	DATE:
					APPROVED BY:	DATE: APPROVED DATE
						DATE: APPROVED DATE
						DATE: APPROVED DATE

REVISION 3

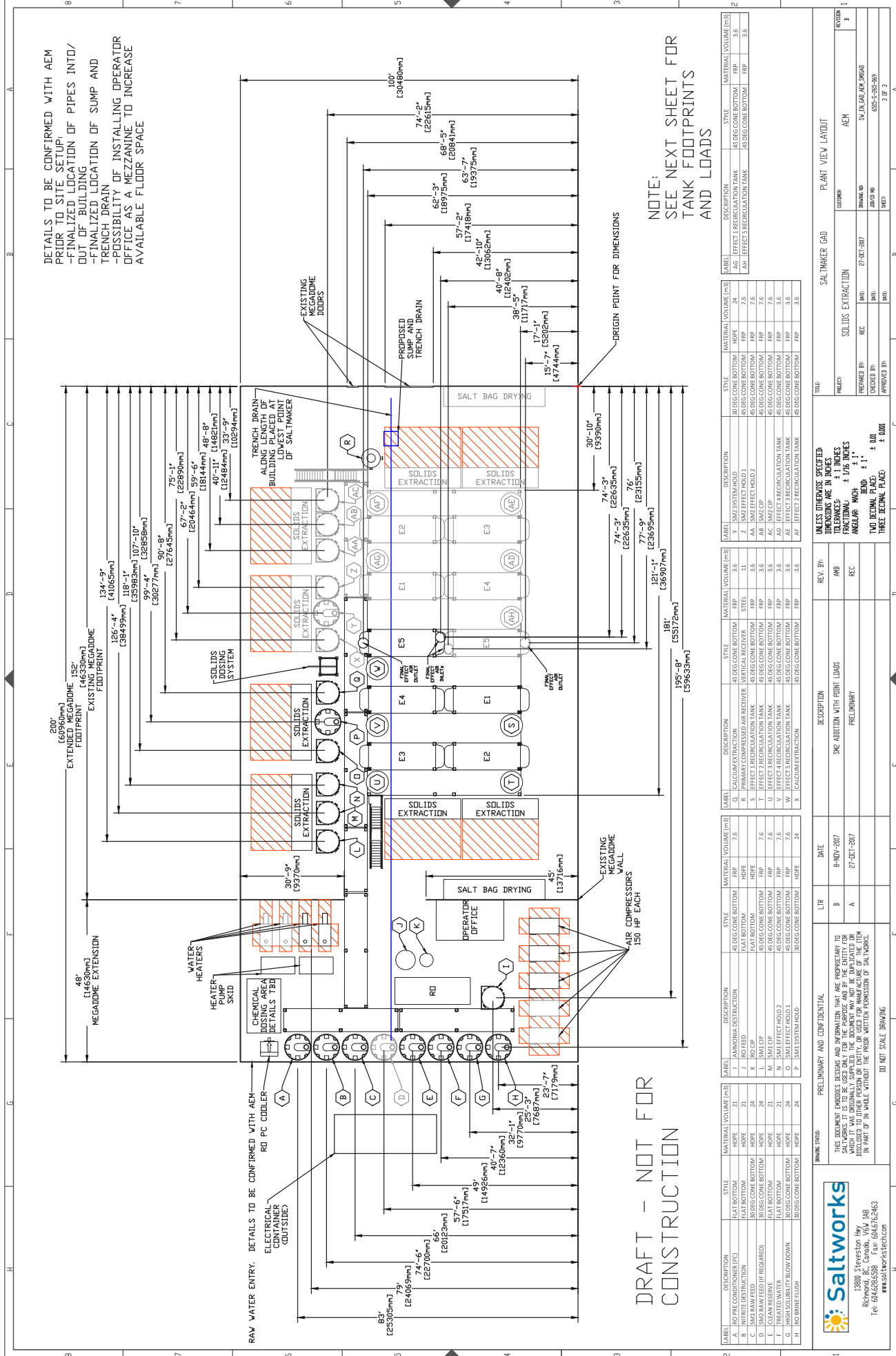




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SOLIDS EXTRACTION SYSTEM - SIMPLIFIED					
PROJECT: SOLIDS EXTRACTION			CUSTOMER: AEM		REVISION A
PREPARED BY: DS	DATE: 11/23/2017	DWG. NO:	(DWG. NO.)		
CHECKED BY:	CHECKED DATE	JOB/OD NO:	(JOB NO.)		
APPROVED BY:	APPROVED DATE	SHEET:	2 OF 3		



DETAILS TO BE CONFIRMED WITH AEM
PRIOR TO SITE SETUP,
OUT OF BUILDING
-FINALIZED LOCATION OF PIPES INTO/
-FINALIZED LOCATION OF SUMP AND
-TRENCH DRAIN
-POSSIBILITY OF INSTALLING OPERATOR
OFFICE AS A MEZZANINE TO INCREASE
AVAILABLE FLOOR SPACE

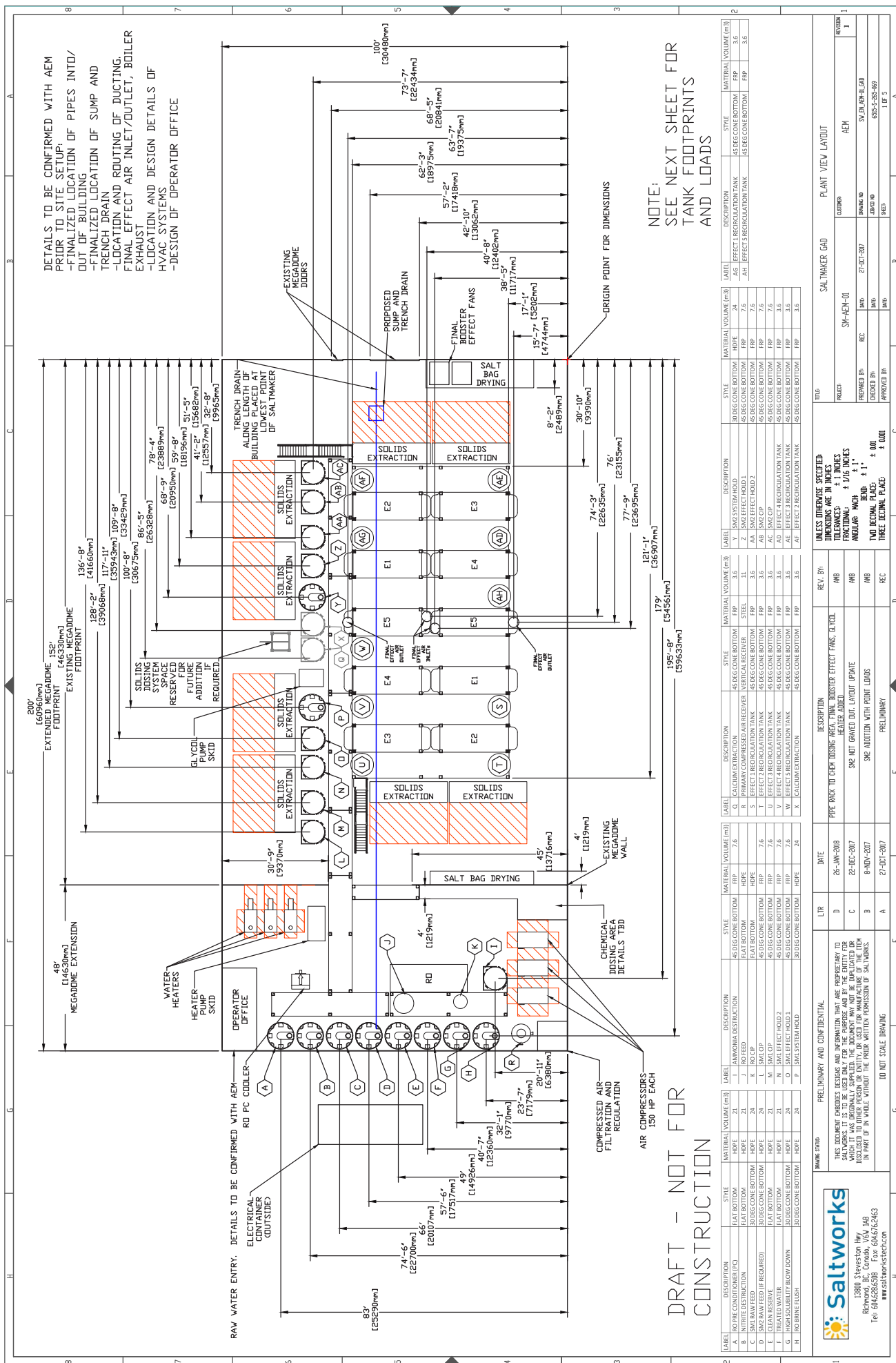
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CONSTRUCTION

NOTE:
SEE NEXT SHEET FOR
TANK FOOTPRINTS
AND LOADS

TANK		DESCRIPTION		MATERIAL VOLUME (m³)		STYLE		DESCRIPTION		MATERIAL VOLUME (m³)		STYLE		DESCRIPTION		MATERIAL VOLUME (m³)	
A	RO PRE-CONDITIONER (PC)	FLAT BOTTOM	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE
B	RO PRE-CONDITIONER (PC)	FLAT BOTTOM	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE
C	SMI RAW FEED	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
D	SMI RAW FEED	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
E	CLEAN RESERVE	FLAT BOTTOM	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE
F	TREATED WATER	30 DEG CONE BOTTOM	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE	21	HOPE
G	HIGH SOLUBILITY BLOW DOWN	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
H	RO BRINE FLUSH	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
I	AMMONIA DESTRUCTION	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
J	RO FEED	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
K	RO CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
L	RO CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
M	SMI CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
N	SMI CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
O	SMI EFFECT HOLD 1	45 DEG CONE BOTTOM	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP
P	SMI SYSTEM HOLD	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
Q	CALCIUM EXTRACTION	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
R	PRIMARY COMPRESSED AIR RECEIVER	VERTICAL RECEIVER	STEEL	11	STEEL	11	STEEL	11	STEEL	11	STEEL	11	STEEL	11	STEEL	11	STEEL
S	EFFECT 1 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
T	EFFECT 2 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
U	EFFECT 3 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
V	EFFECT 4 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
W	EFFECT 5 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
X	CALCIUM EXTRACTION	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
Y	SMI SYSTEM HOLD	30 DEG CONE BOTTOM	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE	24	HOPE
Z	SMI EFFECT HOLD 1	45 DEG CONE BOTTOM	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP
AA	SMI EFFECT HOLD 2	45 DEG CONE BOTTOM	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP	7.6	FRP
AB	SMI CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
AC	SMI CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
AD	SMI CP	FLAT BOTTOM	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE	7.6	HOPE
AE	EFFECT 1 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
AF	EFFECT 2 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
AG	EFFECT 3 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP
AH	EFFECT 4 RECIRCULATION TANK	45 DEG CONE BOTTOM	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP	3.6	FRP

SALTMAKER GAD		PLANT VIEW LAYOUT	
REV. BY	DATE	REV. BY	DATE
AMB	8-NOV-2017	REC	27-OCT-2017
PRELIMINARY		DESIGNED BY	DESIGNED BY
		CHECKED BY	CHECKED BY
		APPROVED BY	APPROVED BY
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		3 OF 3	

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DETAILS TO BE CONFIRMED WITH AEM
PRIOR TO SITE SETUP;
-FINALIZED LOCATION OF PIPES INTO/
OUT OF BUILDING
-TRENCH DRAIN
-LOCATION AND ROUTING OF DUCTING,
FINAL EFFECT AIR INLET/OUTLET, BOILER
EXHAUST
-LOCATION AND DESIGN DETAILS OF
HVAC SYSTEMS
-DESIGN OF OPERATOR OFFICE

NOTE:
SEE NEXT SHEET FOR
TANK FOOTPRINTS
AND LOADS

DRAFT - NOT FOR
CONSTRUCTION

[LABEL]	DESCRIPTION	MATERIAL VOLUME (m³)		STYLE	DESCRIPTION	MATERIAL VOLUME (m³)		STYLE	DESCRIPTION	MATERIAL VOLUME (m³)		STYLE	DESCRIPTION	MATERIAL VOLUME (m³)	
		FRP	HOPE			FRP	HOPE			FRP	HOPE			FRP	HOPE
A	RO PRE-CONDITIONER (PC)				I	AMMONIA DESTRUCTION			Q	CALCIUM EXTRACTION			45 DEG CONE BOTTOM		
B	NITRITE DESTRUCTION				J	RO FEED			R	PRIMARY COMPRESSED AIR RECEIVER			VERTICAL RECEIVER		
C	SMA RAW FEED				K	RO CP			S	EFFECT 1 RECIRCULATION TANK			45 DEG CONE BOTTOM		
D	CLEAN RASIN				L	RO CP			T	EFFECT 2 RECIRCULATION TANK			45 DEG CONE BOTTOM		
E	TREATED WATER				M	SMA CP			U	EFFECT 3 RECIRCULATION TANK			45 DEG CONE BOTTOM		
F	HIGH SOLUBILITY BLOW DOWN				N	SMA EFFECT HOLD 2			V	EFFECT 4 RECIRCULATION TANK			45 DEG CONE BOTTOM		
G	RO BURN FLUSH				O	SMA EFFECT HOLD 1			W	EFFECT 5 RECIRCULATION TANK			45 DEG CONE BOTTOM		
H	RO BURN FLUSH				P	SMA SYSTEM HOLD			X	CALCIUM EXTRACTION			45 DEG CONE BOTTOM		

PRELIMINARY AND CONFIDENTIAL				SALTMAKER GAD				PLANT VIEW LAYOUT			
DATE	LTR	DESCRIPTION	REV. BY	DATE	REV. BY	DESCRIPTION	REV. BY	DATE	REV. BY	DESCRIPTION	REV. BY
25-JAN-2018	D	PIPE BACK TO OPEN DRAINING AREA, TANK, BOOSTER EFFECT FANS, DETAIL HEATER ADDED	AMB	27-OCT-2017	REC	SW-ACM-01	AMB	27-OCT-2017	REC	SW-ACM-01	AMB
22-DEC-2017	C	SME NOT GRANTED DUT. LANDIT UPDATE	AMB								
8-NOV-2017	B	SME ADDITION WITH POINT LOADS	AMB								
27-OCT-2017	A	PRELIMINARY	REC								

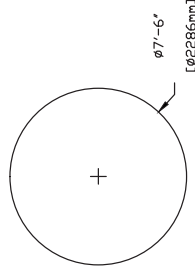


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FLAT BOTTOM -
HDPE - 21m3

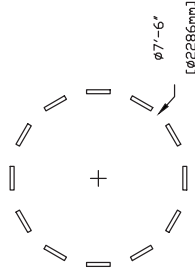
MAX LOAD:

71 000 LBS [32 205 KG]



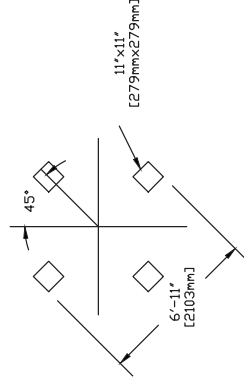
30 DEG CONE BOTTOM -
HDPE - 24m3

MAX LOAD: 85 000 LBS
[38 555 KG] ON 12 FEET



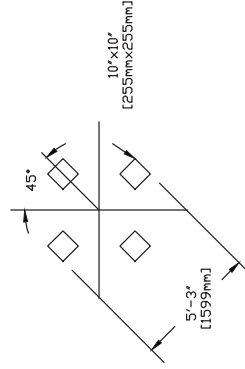
45 DEG CONE BOTTOM -
FRP - 7.6m3

MAX LOAD 31 000 LBS
[14 061 KG] ON 4 FEET



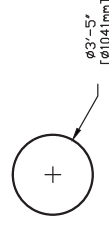
45 DEG CONE BOTTOM -
FRP - 3.6m3

MAX LOAD 15 000 LBS
[6 804 KG] ON 4 FEET



VERTICAL RECEIVER -
STEEL - 11m3

MAX LOAD 3 600 LBS
[1 633 KG] ON 41" DIAMETER
BASE RING ~1/4" THICK

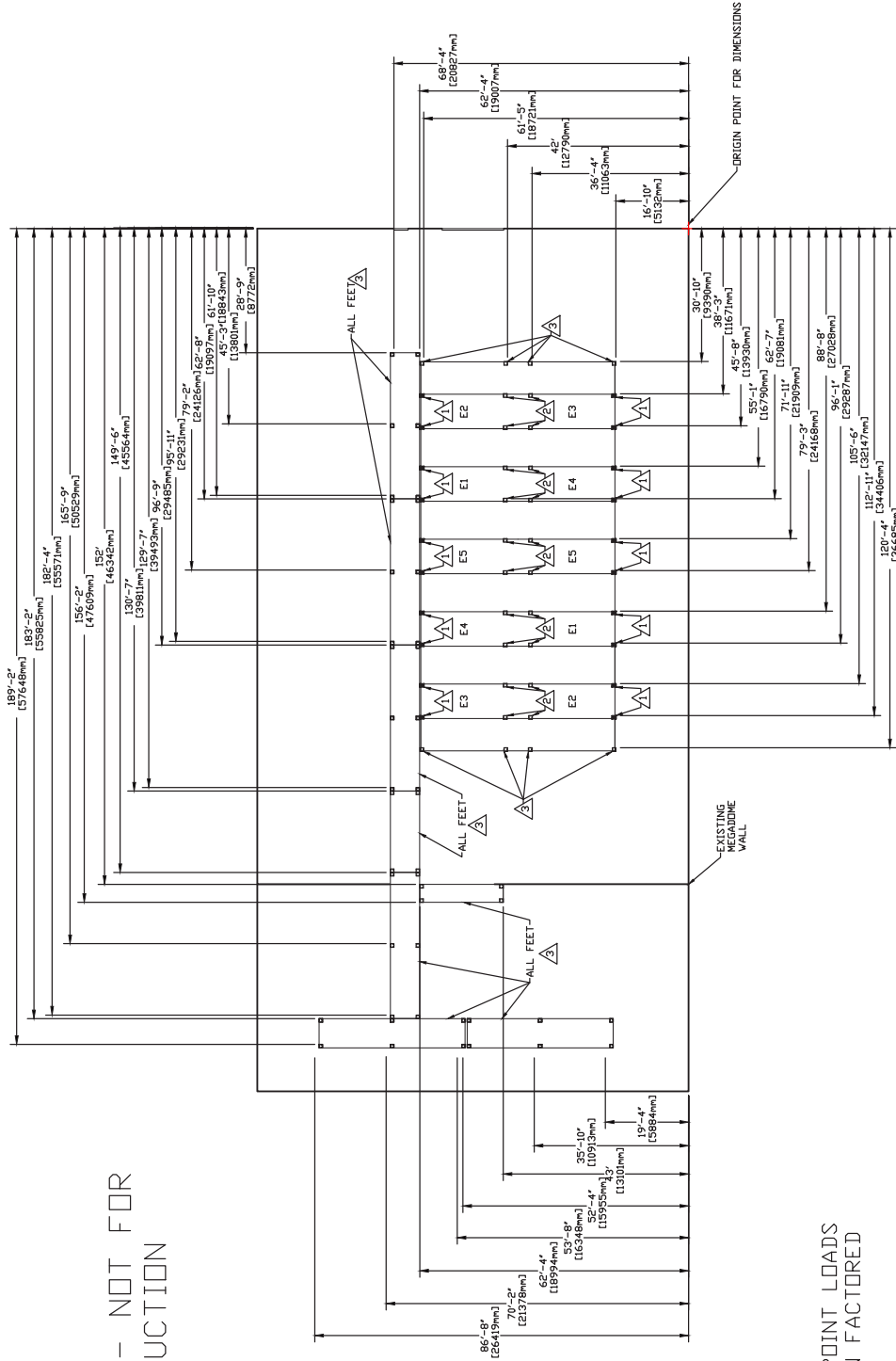


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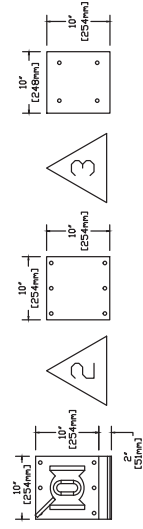
NOTE:
ALL LOADS ARE NON
FACTORED


<div><div><div>Saltworks</div><div>13800, Stevenson Hwy Richmond, BC V6V 1A8 Tel: 604.626.6598 Fax: 604.626.463 *** saltworks@saltworks.com</div></div></div>		PRELIMINARY AND CONFIDENTIAL		LTR		DATE		DESCRIPTION		REV. BY		UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		TANK FOOTPRINTS AND LOADS	
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				C	22-DEC-2017	SME NOT GRANTED DUT. LAYOUT UPDATE		AMB	REC	ANGULAR MOCH ± 1"		JANU		JANU	
				B	8-MAY-2017	SME ADDITION WITH POINT LOADS		AMB	REC	TUB BEARING PLACES ± 0.01		JANU		JANU	
				A	27-OCT-2017	PRELIMINARY		REC	REC	THREE BEARING PLACES ± 0.001		JANU		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
		DO NOT SCALE DRAWING		A		27-OCT-2017		PRELIMINARY		REC		THREE BEARING PLACES ± 0.001		JANU	
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DRAFT - NOT FOR
CONSTRUCTION



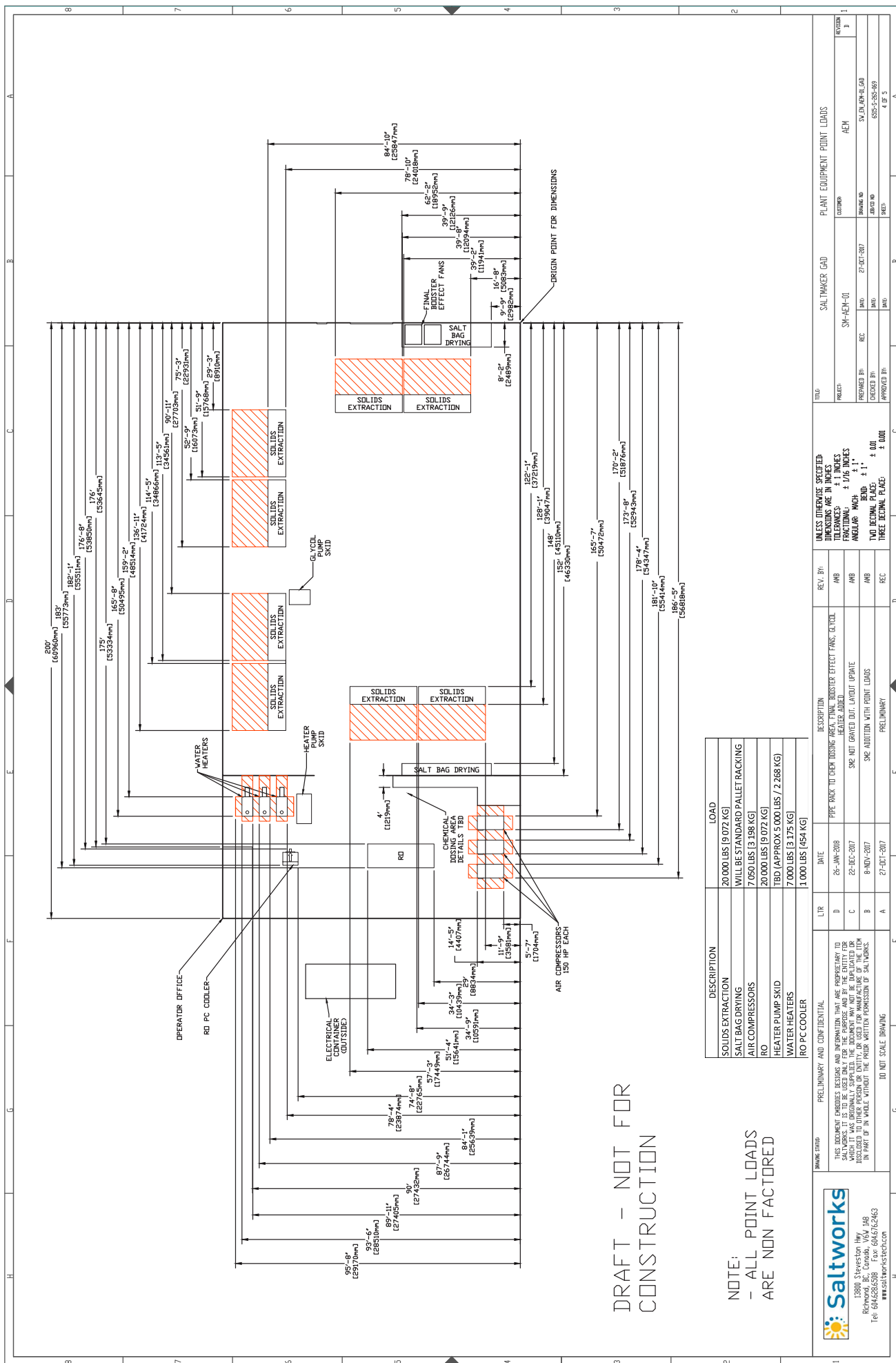
NOTE:
- ALL POINT LOADS
ARE NON FACTORED



<div><div><div>Saltworks</div><div>13800, Steneville, NSW 1469 Tel: 0442626358 Fax: 0446762463 www.saltworkssection.com</div></div></div>		PRELIMINARY AND CONFIDENTIAL		DRAWING INFO		L/R		DATE		DESCRIPTION		REV. BY		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS: 1/16 INCHES ANGULAR: MINUS ± 1° TWO DECIMAL PLACES ± 0.01 THREE DECIMAL PLACES ± 0.001		TITLE		SALTWAKER CAD		PLANT FRAME AND PLATFORM POINT LOADS		SHEET	
				THIS DRAWING PROVIDES THE 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 DESIGNED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SALTWORKS. IN PART OF IN WRITABLE WITHOUT THE PRIOR WRITTEN PERMISSION OF SALTWORKS.		D		25-JAN-2018		PIPE RACK TO MEET DRAINING AREA, FIVE BOOSTER EFFECT PANS, DETAIL HEATER ADDED		AMB				PROJECT		SW-ACH-01		27-OCT-2017		SHEET	
						C		22-DEC-2017		SME NOT GRANTED DUT. LAYOUT UPDATE		AMB				PROJECTED BY		REC		27-OCT-2017		SHEET	
						B		8-NOV-2017		SME ADDITION WITH POINT LOADS		AMB				CHECKED BY		AMB		27-OCT-2017		SHEET	
						A		27-OCT-2017		PRELIMINARY		REC				APPROVED BY		AMB		27-OCT-2017		SHEET	
				DO NOT SCALE DRAWING		C		DO NOT SCALE DRAWING		E		B								2 OF 3		SHEET	



13800, Stevenson Hwy
Richmond, BC, Canada, V6V 1A8
Tel: 604.626.6300 Fax: 604.676.2463
www.saltworkstechn.com



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DESCRIPTION	LOAD
SOLIDS EXTRACTION	20,000 LBS (9072 KG)
SALT BAG DRYING	WILL BE STANDARD PALLET RACKING
AIR COMPRESSORS	7,050 LBS (3,198 KG)
RO	20,000 LBS (9,072 KG)
HEATER PUMP SKID	TBD (APPROX 5,000 LBS / 2,268 KG)
WATER HEATERS	7,000 LBS (3,175 KG)
RO PC COOLER	1,000 LBS (454 KG)

NOTE:
- ALL POINT LOADS
ARE NON FACTORED



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DRAWING DATA		PRELIMINARY AND CONFIDENTIAL		DESCRIPTION		REV. BY		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONAL ± 1/16 INCHES ANGULAR MATCH ± 1° TWO DECIMAL PLACES ± 0.01 THREE DECIMAL PLACES ± 0.001		SALTMAKER CAD		PLANT EQUIPMENT POINT LOADS	
LTR	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	PROJECT	SHEET	PROJECT	SHEET
D	26-JAN-2017					AMB				SW-ACM-01		ACM	
C	22-DEC-2017					AMB				DESIGNED BY	27-OCT-2017	DRAWING NO	SW-ACM-01-001
B	8-NOV-2017					AMB				CHECKED BY		DATE	655-5-555-883
A	27-OCT-2017					REC				APPROVED BY		DATE	4 OF 5

[illegible]

COMMON SYSTEMS
REVISION K

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 Richmond, BC, Canada, V6W 1A8
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www.saltworkstech.com

DRAWING STATUS:	DRAWING STATUS		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.	J	02-FEB-2018			NO CHANGES	-	PROJECT:		SALTMAKER GEN III	CUSTOMER:	AGNICO EAGLE MINES	REVISION:
	K	23-FEB-2018			NO CHANGES	-						K
	H	22-DEC-2017			AS MARKED BY REVISION CLOUDS	JLAU	PREPARED BY:	JLAU	DATE:	1-SEP-2017	DWG. NO:	COVER SHEET
	I	19-JAN-2018			AS MARKED BY REVISION CLOUDS	JLAU	CHECKED BY:	MLOW	DATE:	5-SEP-2017	JOB/CO NO:	(JOB NO.)
DO NOT SCALE DRAWING							APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	SHEET:	# OF 116

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: GYLCOLO LOOP
		<u>SALTMAKER 1 (SM1)</u>			
14	SW_EN_SM_AEM-01_PID_SM1_DWG_110	THERMAL SOURCE PRIMARY HEAT EXCHANGERS			<u>POST TREATMENT</u>
15	SW_EN_SM_AEM-01_PID_SM1_DWG_120	CONDENSED WATER SYSTEM	51	SW_EN_SM_AEM-01_PID_COMMON_DWG_320	NITRITE DESTRUCTION AND RO PC SYSTEM
16	SW_EN_SM_AEM-01_PID_SM1_DWG_130	FEED DISTRIBUTION	52	SW_EN_SM_AEM-01_PID_COMMON_DWG_321	AMMONIA DESTRUCTION SYSTEM
17	SW_EN_SM_AEM-01_PID_SM1_DWG_150	CIP TANKS	53	SW_EN_SM_AEM-01_PID_COMMON_DWG_322	RO BRINE FLUSH TANK
18	SW_EN_SM_AEM-01_PID_SM1_DWG_151	CIP PUMP SKID	54	SW_EN_SM_AEM-01_PID_COMMON_DWG_323	RO PERMEATE TANK
19	SW_EN_SM_AEM-01_PID_SM1_DWG_160	EFFECT HOLD 1			
20	SW_EN_SM_AEM-01_PID_SM1_DWG_161	EFFECT HOLD 2			<u>COMPRESSED AIR-COMMON PACKAGE</u>
21	SW_EN_SM_AEM-01_PID_SM1_DWG_162	SYSTEM HOLD	55	SW_EN_SM_AEM-01_PID_COMPRESSED	COMPRESSED AIR SYSTEM
22	SW_EN_SM_AEM-01_PID_SM1_DWG_163	CALCIUM EXTRACTION		AIR-COMMON_DWG_400	
23	SW_EN_SM_AEM-01_PID_SM1_DWG_164	EH1 SOLIDS EXTRACTION	56	SW_EN_SM_AEM-01_PID_COMPRESSED	AMMONIA DES, BRINE BLOWDOWN AND PLANT
24	SW_EN_SM_AEM-01_PID_SM1_DWG_165	EH2 SOLIDS EXTRACTION		AIR-COMMON_DWG_401	FEED AIR
25	SW_EN_SM_AEM-01_PID_SM1_DWG_180	DRIP TRAYS	57	SW_EN_SM_AEM-01_PID_COMPRESSED	CHEMICAL DOSING AND ANCILLARY STAND PIPE
				AIR-COMMON_DWG_402	AIR
26	SW_EN_SM_AEM-01_PID_SM1_DWG_210	EFFECT 1 TANK AND PUMPS	58	SW_EN_SM_AEM-01_PID_COMPRESSED	COMMON AND POST TREATMENT AIR BANK
27	SW_EN_SM_AEM-01_PID_SM1_DWG_211	EFFECT 1 MODULES		AIR-COMMON_DWG_403	
28	SW_EN_SM_AEM-01_PID_SM1_DWG_213	EFFECT 1 PUMP SEAL FLUSH			
29	SW_EN_SM_AEM-01_PID_SM1_DWG_214	EFFECT 1 AIR SEALS			<u>COMPRESSED AIR-SM1</u>
					SM INSTRUMENT AND PROCESS AIR
30	SW_EN_SM_AEM-01_PID_SM1_DWG_220	EFFECT 2 TANK AND PUMPS	59	SW_EN_SM_AEM-01_PID_COMPRESSED	
31	SW_EN_SM_AEM-01_PID_SM1_DWG_221	EFFECT 2 MODULES		AIR-SM1_DWG_410	
32	SW_EN_SM_AEM-01_PID_SM1_DWG_222	EFFECT 2 SOLIDS EXTRACTION	60	SW_EN_SM_AEM-01_PID_COMPRESSED	EH1/EH2 EXTRACT AND CIP AIR
33	SW_EN_SM_AEM-01_PID_SM1_DWG_223	EFFECT 2 PUMP SEAL FLUSH		AIR-SM1_DWG_411	
34	SW_EN_SM_AEM-01_PID_SM1_DWG_224	EFFECT 2 AIR SEALS			




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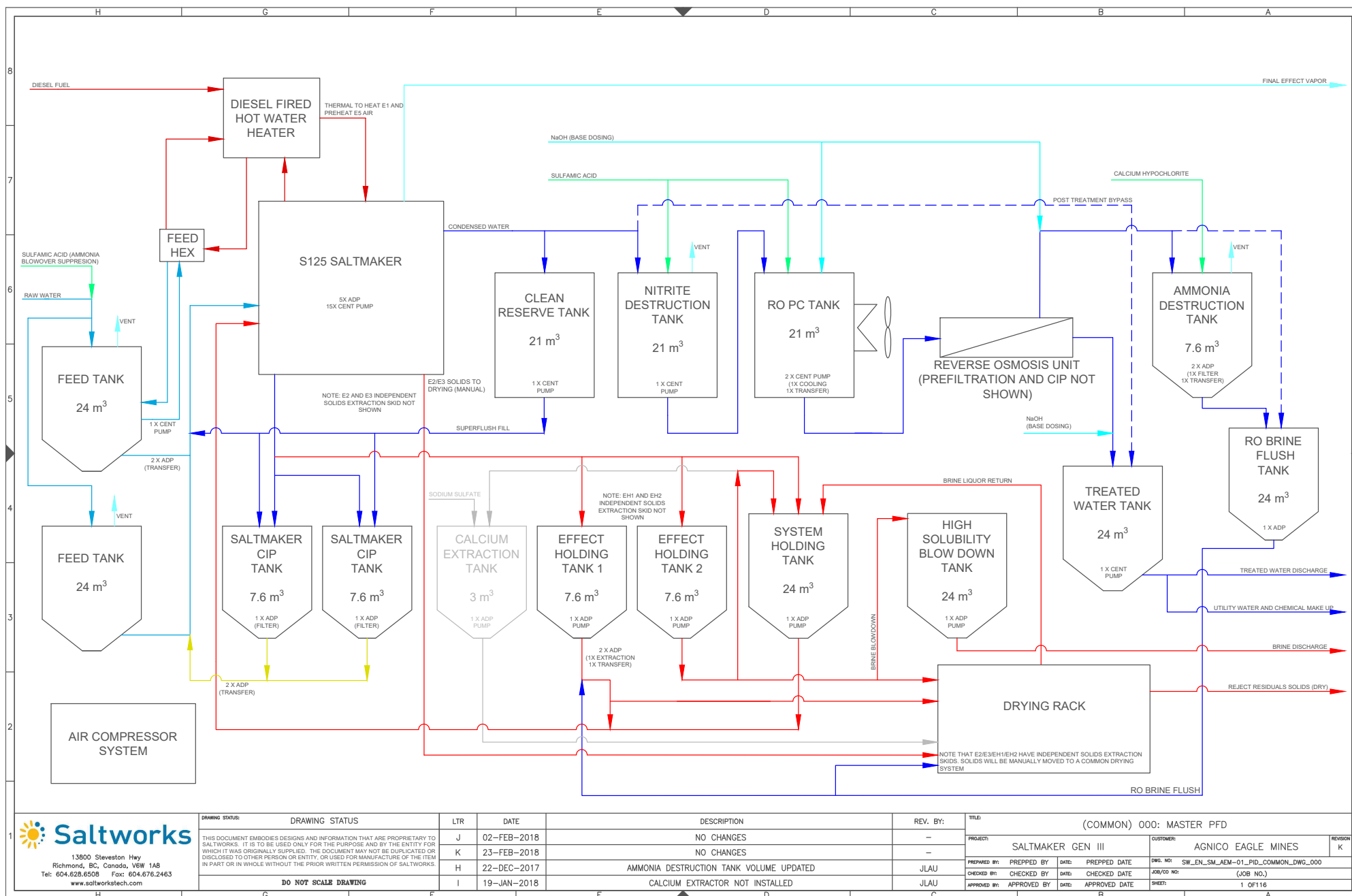
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		K	23-FEB-2018	NO CHANGES	-	PROJECT: SALTMAKER GEN III
		H	22-DEC-2017	ADDED SM2	JLAU	CUSTOMER: AGNICO EAGLE MINES
		I	19-JAN-2018	UPDATED DWG NUMBERS	JLAU	REVISION: K
	DO NOT SCALE DRAWING					PREPARED BY: JLAU
						DATE: 01-SEP-2017
						DWG. NO: DRAWING LIST 1
						CHECKED BY: MLOW
						DATE: 05-SEP-2017
						JOB/COD NO: (JOB NO.)
						APPROVED BY: APPROVED BY
						DATE: APPROVED DATE
						SHEET: # OF 116

DRAWING LIST 2

SHEET NO.	DRAWING NO.	DESCRIPTION	SHEET NO.	DRAWING NO.	DESCRIPTION
61	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_412	EH1/EH2 EXTRACT AND CIP AIR	83	SW_EN_SM_AEM-01_PID_SM2_DWG_510	SALTMAKER 2 (SM2)
62	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_413	PLUG PREVENTION PUMP AIR	84	SW_EN_SM_AEM-01_PID_SM2_DWG_520	THERMAL SOURCE PRIMARY HEAT EXCHANGERS
63	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_414	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	85	SW_EN_SM_AEM-01_PID_SM2_DWG_530	CONDENSED WATER SYSTEM
64	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_415	UTILITY AIR	86	SW_EN_SM_AEM-01_PID_SM2_DWG_550	FEED DISTRIBUTION
65	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_416	BOP1 AIR SOLENOID BANK	87	SW_EN_SM_AEM-01_PID_SM2_DWG_551	CIP TANKS
66	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_417	E2/E3 SE AIR SOLENOID BANK	88	SW_EN_SM_AEM-01_PID_SM2_DWG_560	CIP PUMP SKID
67	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_418	BOP2 AIR SOLENOID BANK	89	SW_EN_SM_AEM-01_PID_SM2_DWG_561	EFFECT HOLD 1
68	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_419	BOP3 AIR SOLENOID BANK	90	SW_EN_SM_AEM-01_PID_SM2_DWG_562	EFFECT HOLD 2
69	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_420	CIP, EH/SY AIR SOLENOID BANK	91	SW_EN_SM_AEM-01_PID_SM2_DWG_563	SYSTEM HOLD
70	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM1_DWG_421	H1/H2 SE AIR SOLENOID BANK	92	SW_EN_SM_AEM-01_PID_SM2_DWG_564	CALCIUM EXTRACTION
71	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_450	COMPRESSED AIR-SM2 SM INSTRUMENT AND PROCESS AIR	93	SW_EN_SM_AEM-01_PID_SM2_DWG_565	EH1 SOLIDS EXTRACTION
72	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_451	EH1/EH2 EXTRACT AND CIP AIR	94	SW_EN_SM_AEM-01_PID_SM2_DWG_580	EH2 SOLIDS EXTRACTION
73	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_452	EFFECT/SYSTEM HOLD AND CAL EXTRACTION AIR	95	SW_EN_SM_AEM-01_PID_SM2_DWG_610	DRIP TRAYS
74	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_453	PLUG PREVENTION PUMP AIR	96	SW_EN_SM_AEM-01_PID_SM2_DWG_611	EFFECT 1 TANK AND PUMPS
75	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_454	AIR SEAL, STAND PIPE AND E2/E3 SE AIR	97	SW_EN_SM_AEM-01_PID_SM2_DWG_613	EFFECT 1 MODULES
76	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_455	UTILITY AIR	98	SW_EN_SM_AEM-01_PID_SM2_DWG_614	EFFECT 1 PUMP SEAL FLUSH
77	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_456	BOP1 AIR SOLENOID BANK	99	SW_EN_SM_AEM-01_PID_SM2_DWG_620	EFFECT 1 AIR SEALS
78	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_457	E2/E3 SE AIR SOLENOID BANK	100	SW_EN_SM_AEM-01_PID_SM2_DWG_621	EFFECT 2 TANK AND PUMPS
79	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_458	BOP2 AIR SOLENOID BANK	101	SW_EN_SM_AEM-01_PID_SM2_DWG_622	EFFECT 2 MODULES
80	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_459	BOP3 AIR SOLENOID BANK	102	SW_EN_SM_AEM-01_PID_SM2_DWG_623	EFFECT 2 SOLIDS EXTRACTION
81	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_460	CIP, EH/SY AIR SOLENOID BANK	103	SW_EN_SM_AEM-01_PID_SM2_DWG_624	EFFECT 2 PUMP SEAL FLUSH
82	SW_EN_SM_AEM-01_PID_COMPRESSED AIR-SM2_DWG_461	H1/H2 SE AIR SOLENOID BANK	104	SW_EN_SM_AEM-01_PID_SM2_DWG_630	EFFECT 2 AIR SEALS
			105	SW_EN_SM_AEM-01_PID_SM2_DWG_631	EFFECT 3 TANK AND PUMPS
			106	SW_EN_SM_AEM-01_PID_SM2_DWG_632	EFFECT 3 MODULES
			107	SW_EN_SM_AEM-01_PID_SM2_DWG_633	EFFECT 3 SOLIDS EXTRACTION
			108	SW_EN_SM_AEM-01_PID_SM2_DWG_634	EFFECT 3 PUMP SEAL FLUSH
			109	SW_EN_SM_AEM-01_PID_SM2_DWG_640	EFFECT 3 AIR SEALS
			110	SW_EN_SM_AEM-01_PID_SM2_DWG_641	EFFECT 4 TANK AND PUMPS
			111	SW_EN_SM_AEM-01_PID_SM2_DWG_643	EFFECT 4 MODULES
			112	SW_EN_SM_AEM-01_PID_SM2_DWG_644	EFFECT 4 PUMP SEAL FLUSH
			113	SW_EN_SM_AEM-01_PID_SM2_DWG_650	EFFECT 4 AIR SEALS
			114	SW_EN_SM_AEM-01_PID_SM2_DWG_651	EFFECT 5 TANK AND PUMPS
			115	SW_EN_SM_AEM-01_PID_SM2_DWG_653	EFFECT 5 MODULES
			116	SW_EN_SM_AEM-01_PID_SM2_DWG_654	EFFECT 5 PUMP SEAL FLUSH
					EFFECT 5 AIR SEALS
				USW_10741_100D	VENDOR DRAWINGS
					POST TREATMENT RO

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		K	23-FEB-2018	NO CHANGES	--					
		H	22-DEC-2017	ADDED SM2	JLAU	PREPARED BY: JLAU	DATE: 01-SEP-2017	DWG. NO: DRAWING LIST 2		
		I	19-JAN-2018	UPDATED DWG NUMBERS	JLAU	CHECKED BY: MLW	DATE: 05-SEP-2017	JOB/CO NO: (JOB NO.)		
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	K	23-FEB-2018		NO CHANGES	-					
	H	22-DEC-2017		AMMONIA DESTRUCTION TANK VOLUME UPDATED	JLAU					
	DO NOT SCALE DRAWING	I	19-JAN-2018		CALCIUM EXTRACTOR NOT INSTALLED					JLAU
						PREPARED BY:	PREPARED BY	DATE:	PREPARED DATE	JOB/CO NO: (JOB NO.)
						CHECKED BY:	CHECKED BY	DATE:	CHECKED DATE	SHEET: 1 OF 116
						APPROVED BY:	APPROVED BY	DATE:	APPROVED DATE	

