

FIELD INSTALLATION DRAWINGS

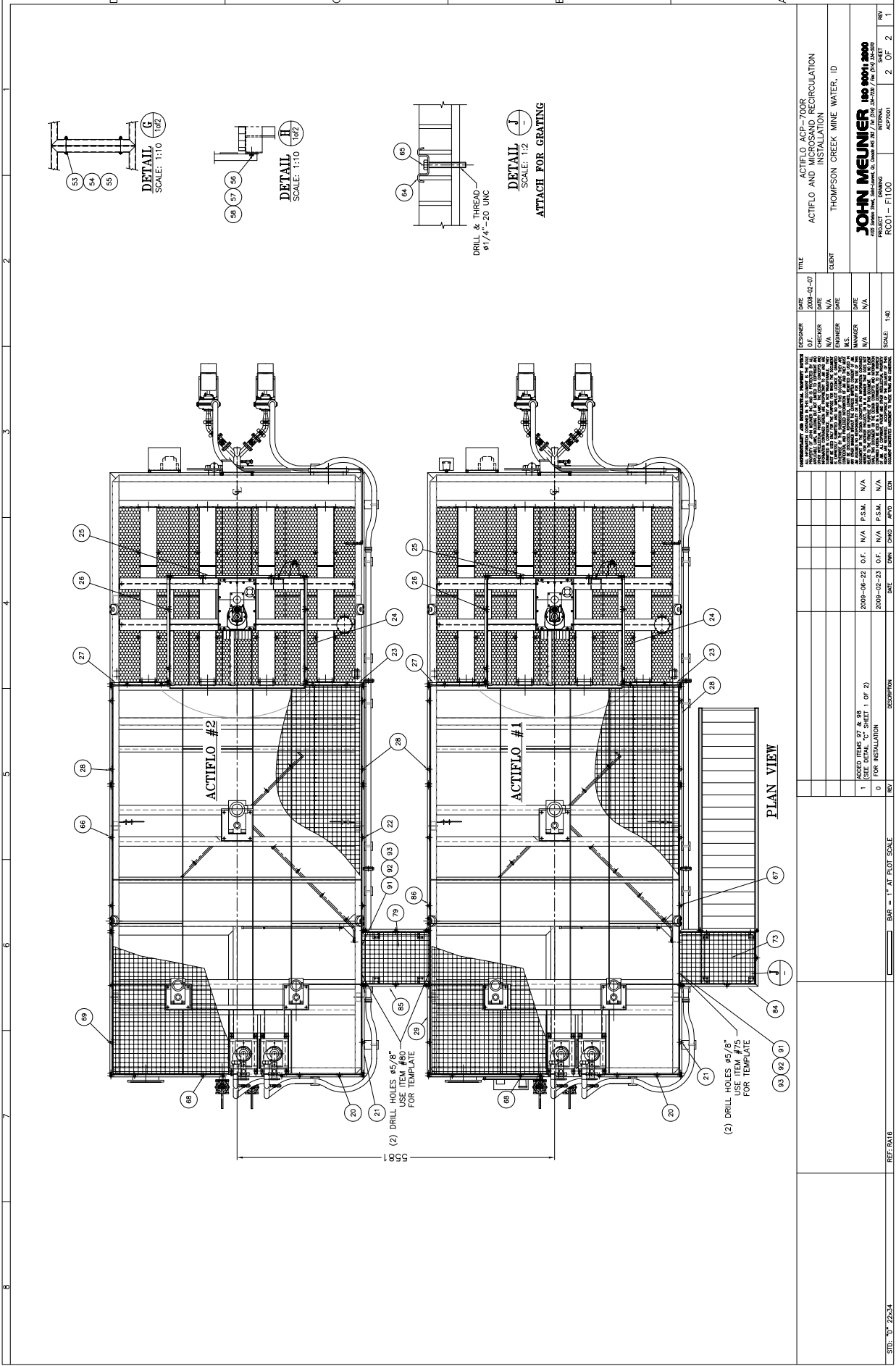
TITRE / TITLE		Rev.	DESCRIPTION		PAR / BY:	APPR:	DATE:	Affaire / Contract	MEADOWBANK MINING	
ACTIFLO ACP-700R ACTIFLO AND MICROSAND RECIRCULATION, INSTALLATION		0	FOR INSTALLATION		O.F.	P.S.M.	2009-04-08			
		1	ADDED ITEMS 97 & 98		O.F.	P.S.M.	2009-06-22			
		2							REF. No.	NC01
		3							Rev.	1
DESSIN /DWG #		F1100						Date:	2009-04-08	
REV.	ITEM	QTE/QTY.	DESCRIPTION		P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	P / N	
		Unit	Total							
	NC01F1100-1	2	4 HYDROCYCLONE CHAMBER ASSEMBLY				SA150			
	NC01F1100-2	1	2 SCRAPER REDUCING GEAR BOX ASSEMBLY				SA203			
	NC01F1100-3	1	2 ACTIFLO ACP-700 TANK ASSEMBLY				SA100			
	NC01F1100-4	2	4 RECIRCULATION PUMP INLET ADAPTER 3" x 2" DIA				FA122			
	NC01F1100-5	2	4 RECIRCULATION PUMP INLET ADAPTER 3" DIA				FA122			
	NC01F1100-6	2	4 RECIRCULATION PUMP OUTLET ADAPTER 3" x 2" DIA				FA121			
	NC01F1100-7	1	2 "Y" TANK ADAPTER-OUTLET TO RECIRCULATION PUMP 4" x 3" DIA				FA120			
	NC01F1100-8	2	4 45° ELBOW RECIRCULATION PUMP INLET ADAPTER 3" DIA				FA123			
	NC01F1100-9	2	4 MICRISAND RECIRCULATION PUMP (LINATEX 50mm x 50mm)		P2-011, P2-012 P2-021, P2-022	B56	ST-101-1			
	NC01F1100-10	1	2 3mm FF GASKET FOR 4" DIA FLANGE #150						678100	
	NC01F1100-11	8	16 HEX. BOLTS 5/8" DIA. X 3" LG. - SS 304						621620	
	NC01F1100-12	16	32 WASHER 5/8" DIA. - SS 304						624095	
	NC01F1100-13	8	16 HEX. NUT 5/8" DIA - SS 304						625095	
	NC01F1100-14	16	32 STAINLESS STEEL T-BOLT CLAMPS (MIKALOR) 3 9/16" X 3 13/16" W4 - ALFAGOMMA" # P-322							
	NC01F1100-15	34m 68m	80 mm (3") O.D. REINFORCED BLUE CHLOROBUTYL TUBE "ALFAGOMMA" #404LE076894V10						279020	
	NC01F1100-16	1	2 SERVICE WATER PUMPS "AURORA" 2"x2" FLANGE		P7-001, P7-002		ST-090-1			
	NC01F1100-17	23	46 PIPE STRAP FOR 3" PIPE- SS 304				FA130			
	NC01F1100-18	2	4 RECIRCULATION SUPPORTS (250mm x 390mm)				FA124			
	NC01F1100-19	9	18 RECIRCULATION SUPPORTS (150mm x 390mm)				FA119			
	NC01F1100-20	2	2 HANDRAIL LENGTH: 1468 mm				FA128			
	NC01F1100-21	2	2 HANDRAIL LENGTH: 1583mm				FA128			
	NC01F1100-22	1	1 HANDRAIL LENGTH: 2575mm				FA128			
	NC01F1100-23	2	2 HANDRAIL LENGTH: 1041mm				FA128			
	NC01F1100-24	2	2 HANDRAIL LENGTH: 1879mm				FA128			
	NC01F1100-25	2	2 HANDRAIL LENGTH: 2373mm				FA128			
	NC01F1100-26	2	2 HANDRAIL LENGTH: 1879mm				FA128			
	NC01F1100-27	2	2 HANDRAIL LENGTH: 1041mm				FA128			
	NC01F1100-28	4	4 HANDRAIL LENGTH: 1751mm				FA128			
	NC01F1100-29	1	1 HANDRAIL LENGTH: 1583mm				FA128			
	NC01F1100-30	12 24	GASKET 1/8" THK. RUBBER (25mm x 200mm)						179026	

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ACTIFLO ACP-700R ACTIFLO AND MICROSAND RECIRCULATION, INSTALLATION		0	FOR INSTALLATION		O.F.	P.S.M.	2009-04-08			
		1	ADDED ITEMS 97 & 98		O.F.	P.S.M.	2009-06-22			
		2							REF. No.	NC01
		3							Rev.	1
DESSIN /DWG #		F1100						Date:	2009-04-08	
REV.	ITEM	QTE/QTY.	DESCRIPTION		P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	P / N	
	NC01F1100-31	46	92 WASHER 1/4" DIA. - SS 304						624065	
	NC01F1100-32	46	92 HEX. HUT 1/4" DIA. - SS304						625065	
	NC01F1100-33	4	8 3" DIA. RECIRCULATION PIPE (HOSE - FLANGE)				FA132			
	NC01F1100-34	2	4 3" DIA. RECIRCULATION PIPE (FLANGE - FLANGE)				FA132			
	NC01F1100-35	8	16 3mm FF GASKET FOR 3" DIA FLANGE #150						678075	
	NC01F1100-36	32	64 HEX. BOLTS 5/8" DIA x 3" LG. - SS 304						621620	
	NC01F1100-37	48	96 HEX. NUT 5/8" DIA - SS 304						625095	
	NC01F1100-38	80	160 WASHER 5/8" DIA. - SS 304						624095	
	NC01F1100-39		NOT USED							
	NC01F1100-40	4	8 HEX. BOLT 5/8" DIA. x 3" LG. - SS 304						621620	
	NC01F1100-41	8	16 WASHER 5/8" - SS 304						624095	
	NC01F1100-42	4	8 HEX. NUT 5/8" DIA - SS 304						625095	
	NC01F1100-43	20L	40L SCRAPERS OIL - CHEVRON FM GRADE ISO 460							
	NC01F1100-44	8	16 HEX. BOLT 5/8" DIA. x 2" LG. ASTM F593 - SS 304							
			LOAD CELLS FOR "SEW-EURODRIVE"							
			c/w INSTALLATION ACCESSORIES SUPPLIED BY SEW-EURODRIVEX							
	NC01F1100-45	1	a-ALPHA 100LB LOAD BEAM (QTY.:1) b-FA47/AD4 PLATE 011011,02,A (QTY.:1) c-FA47/AD4 BRACKET 011011,03,A (QTY.:1) d-HEXHEAD CAPSCREW M12x1,75-40 (QTY.:2) e-HEXHEAD CAPSCREW M3x0,5-5 (QTY.:1) f- LOCK WASHER M12 (QTY.:1) g-HEXHEAD CAPSCREW M5x0,8-10 (QTY.:2) h-HEXHEAD CAPSCREW M12x1,75-30 (QTY.:1)			B68	ST-010-2			
	NC01F1100-46	2	RECIRCULATION PUMP INLET ECCENTRIC PLUG VALVE 3" DIA. MANUFACTURER: MILLIKEN ACTUATOR: MANUAL LEVER		V2-012, V2-013 V2-022, V2-023	B56	ST-003-5			
	NC01F1100-47	1	2 NIPPEL 1" DIA x 3" LG (MNPT x MNPT), FINISH: GALVANIZED McMASTER-CARR #4549K893							
	NC01F1100-48	1	2 MANUEL VALVE FOR SLUDGE LINES/HOPPER CLEANING TYPE: MANUEL BALLE VALVE 1" DIA, FNPT SS316						311101	
	NC01F1100-49	1	1" DIA CAM TYPE QUICK CONNECT HOSE ADAPTER "ALFAGOMMA" MODEL: PART "B" MAT'L: POLYPROPYLENE							
	NC01F1100-50	8	16 HEX. BOLTS 1/2" DIA. X 3 1/2" LG. SS 304						621545	

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ACTIFLO ACP-700R ACTIFLO AND MICROSAND RECIRCULATION, INSTALLATION		0	FOR INSTALLATION		O.F.	P.S.M.	2009-04-08			
		1	ADDED ITEMS 97 & 98		O.F.	P.S.M.	2009-06-22			
		2							REF. No.	NC01
		3							Rev.	1
DESSIN /DWG #		F1100								
REV.	ITEM	QTE/QTY.	DESCRIPTION		P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	Date:	
									2009-04-08	
	NC01F1100-51	16	32 WASHER 1/2" DIA. SS 304						624085	
	NC01F1100-52	8	16 HEX. NUT 1/2" DIA. SS 304						625085	
	NC01F1100-53	56	56 HEX. BOLT 3/8" DIA. x 3 3/4" LG - SS 304						621350	
	NC01F1100-54	112	112 WASHER 3/8" - SS 304						624075	
	NC01F1100-55	56	56 HEX NUT 3/8" DIA. - SS 304						625075	
	NC01F1100-56	104	104 HEX. BOLT 1/2" DIA. x 1 1/2" LG - SS 304						621520	
	NC01F1100-57	208	208 WASHER 1/2" - SS 304						624085	
	NC01F1100-58	104	104 HEX NUT 1/2" DIA. - SS 304						625085	
	NC01F1100-59	4	8 GROOVED PIPE COUPLING STYLE 77 3" DIA.							
	NC01F1100-60	1	1 STAIRS ASSEMBLY				SA108			
	NC01F1100-61	44	88 WASHER 1/2" DIA. SS 304						624085	
	NC01F1100-62	22	44 HEX. NUT 1/2" DIA. SS 304						625085	
	NC01F1100-63	22	44 HEX. BOLTS 1/2" DIA. X 1 3/4" LG. SS 304						621525	
	NC01F1100-64	8	8 SADDLE CLIP FASTENERS FOR 1 1/2" GRATING, McMASTER CARR #7010T72, SS316						668001	
	NC01F1100-65	8	8 HEX. BOLT 1/4" DIA. x 1 3/4" LG - SS 304						621125	
	NC01F1100-66	1	1 HANDRAIL LENGTH: 2575 mm				FA128			
	NC01F1100-67	1	1 HANDRAIL LENGTH: 2575 mm x 378 mm				FA128			
	NC01F1100-68	2	2 HANDRAIL LENGTH: 2010 mm				FA128			
	NC01F1100-69	1	1 HANDRAIL LENGTH: 2508 mm				FA128			
	NC01F1100-70	48	48 HEX. BOLT 1/2" DIA. x 1 1/2" LG - SS 304						621520	
	NC01F1100-71	48	48 HEX NUT 1/2" DIA. - SS 304						625085	
	NC01F1100-72	96	96 WASHER 1/2" - SS 304						624085	
	NC01F1100-73	1	1 STAIRS PLATFORM GRATING				FA138			
	NC01F1100-74	1	1 STAIRS HANDRAIL				FA136			
	NC01F1100-75	1	1 STAIRS PLATFORM				FA137			
	NC01F1100-76	2	2 STAIRS LEG				FA137			
	NC01F1100-77	2	2 STAIRS PLATFORM LEG BRACE, LENGTH: 785 mm				FA137			
	NC01F1100-78	4	4 STAIRS PLATFORM LEG BRACE, LENGTH: 1514 mm				FA137			
	NC01F1100-79	1	1 PLATFORM GRATING				FA134			
	NC01F1100-80	1	1 PLATFORM				FA133			
	NC01F1100-81	2	2 PLATFORM LEG				FA133			
	NC01F1100-82	2	2 PLATFORM LEG BRACE, LENGTH: 750 mm				FA133			
	NC01F1100-83	4	4 PLATFORM LEG BRACE, LENGTH: 1497 mm				FA133			
	NC01F1100-84	1	1 HANDRAIL LENGTH: 1338 mm x 1004 mm				FA128			
	NC01F1100-85	2	2 HANDRAIL LENGTH: 1106 mm				FA128			
	NC01F1100-86	1	1 HANDRAIL LENGTH: 2575 mm				FA128			

**NOMENCLATURE/
BILL OF MATERIALS**

[illegible]



**NOMENCLATURE/
BILL OF MATERIALS**

[illegible]

TITRE/ TITLE		Rev.	DESCRIPTION		PAR/ BY:	APPR:	DATE:	Affaire / Contract	MEADOWBANK MINING	
ACTIFLO ACP-700R MIXERS INSTALLATION		0	FOR INSTALLATION		O.F.	P.S.M.	2009-04-08			
		1								
		2						REF. No.	NC01	Rev. 0
		3								
DESSIN /DWG #		F1102						Date:	2009-04-08	
REV.	ITEM	QTE/QTY.	DESCRIPTION		P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	P / N	
		Unit	Total							
	NC01F1102-1	1	MECHANICAL MIXER - COAGULATION TANK "ENVIREQUIP" MODEL: EVGX 4-3,0 TYPE: MIX TECH VERTICAL MOUNTED c/w 304 STAINLESS STEEL SHAFT AND IMPELLER SHAFT: DIA.: 57,1 mm (2,25 in), LENGTH: 2711 mm IMPELLER: Q'TY: 1, DIAMETER "A": 1252,2 mm BOTTOM CLEARANCE "X": 939 mm ROTATION DIRECTION: CW - DOWN c/w MOTOR 3 HP, 480 Vac/3 ph/60 Hz, 1765 RPM, Isolation Class F WEIGHT: 568 lb (258 kg)		M2-011 M2-021	R110	ST-100-1			
	NC01F1102-2	1	MECHANICAL MIXER - INJECTION TANK "ENVIREQUIP" MODEL: EVGX 4-3,0 TYPE: MIX TECH VERTICAL MOUNTED c/w 304 STAINLESS STEEL SHAFT AND IMPELLER SHAFT: DIA.: 57,1 mm (2,25 in), LENGTH: 2711 mm IMPELLER: Q'TY: 1, DIAMETER "A": 1252,2 mm BOTTOM CLEARANCE "X": 939 mm ROTATION DIRECTION: CCW - UP c/w MOTOR 3 HP, 480 Vac/3 ph/60 Hz, 1765 RPM, Isolation Class F WEIGHT: 568 lb (258 kg)		M2-012 M2-022	R111	ST-100-2			

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ACTIFLO ACP-700R MIXERS INSTALLATION			0	FOR INSTALLATION	O.F.	P.S.M.	2009-04-08			
			1							
			2					REF. No.	NC01	Rev. 0
			3							
DESSIN /DWG # F1102			4					Date:	2009-04-08	
REV.	ITEM	QTE/QTY.	Unit	Total	DESCRIPTION	P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	P / N
	NC01FH102-3	1			MECHANICAL MIXER - MATURATION TANK "ENVIREQUIP" MODEL: EVGX 6-5.0 TYPE: MIX TECH VERTICAL MOUNTED c/w 304 STAINLESS STEEL SHAFT AND IMPELLER SHAFT: DIA.: 76.2 mm (3 in), LENGTH: 2511 mm IMPELLER: QTY: 1, DIAMETER "A": 2277,9 mm BOTTOM CLEARANCE "X": 1139 mm ROTATION DIRECTION: CW - DOWN c/w MOTOR 5 HP, 480 Vac/3 ph/60 Hz, 1770 RPM, Isolation Class F WEIGHT: 1393 lb (633 kg)	M2-013 M2-023	R112	ST-100-3		
	NC01FH102-4	8			HEX. BOLT 3/4"-UNC x 2 1/2" LG., SS 304					621715
	NC01FH102-5	8			LOCK NUT 3/4"-UNC, SS 304					625300
	NC01FH102-6	16			FLAT WASHER 3/4" NOM., SS 304					624100
	NC01FH102-7	4			HEX. BOLT 7/8" x 2 3/4" LG., SS 304					621808
	NC01FH102-8	4			LOCK NUT 7/8", SS 304					625305
	NC01FH102-9	8			FLAT WASHER 7/8", SS 304					624105

TITRE / TITLE		Rev.	DESCRIPTION		PAR / BY:	APPR:	DATE:	Affaire / Contract	MEADOWBANK MINING	
WATER TREATMENT SYSTEM FIELD INSTALLATION		0	FOR INSTALLATION		O.F.	J.T.	2009-05-20			
		1	EQUIPMENTS IDENTIFICATION REVISED			J.T.	2009-07-20			
		2							REF. No.	NC01
		3							Rev.	1
DESSIN /DWG #		FI001						Date:	2009-05-20	
REV.	ITEM	QTE/QTY.	DESCRIPTION		P&ID I.D./TAG	CAT. ACCPAC	SOURCE	FA/SA FI SITE	P / N	
	NC01FI001-1	2	2ACTIFLO ACP-700R				FI100			
	NC01FI001-2	1	1 POLYMER DOSING SYSTEM							
	NC01FI001-3	1	1 POLYMER AUTOMATIC PREPARATION SYSTEM		DF9-521	D48	ST-052-1			
	NC01FI001-4	1	1 SLUDGE TANK OT-750, CAPACITY: 3400L		T4-011	B80	ST-999-1			
	NC01FI001-5	1	1 CAUSTIC SODA DOSING SYSTEM							
	NC01FI001-6	1	1 MANUAL CAUSTIC SODA PREPARATION SYSTEM							
	NC01FI001-7	1	1 COAGULANT DOSING SYSTEM							
	NC01FI001-8	1	1 COAGULANT AUTOMATIC PREPARATION SYSTEM				ST-051-1			
1	-a		Hoist							
1	-b		Boom							
1	-c		Frame (top section)							
1	-d		Frame (middle section)							
1	-e		Mixer							
1	-f		Feeder flexible pipe							
1	-g		Preparation tank							
1	-h		Frame (lower section)							
1	-i		Dosing tank							
	NC01FI001-9	1	COAGULANT TRANSFER PUMP PROGRESSIVE CAVITY PUMP "SEEPEX": 5000 L/H @ 2 BARS, 541 RPM PUMP MAX SPEED. WITH 2" NPT SUCTION, 2" NPT DISCHARGE, 1 STAINLESS STEEL WETTED CASING PARTS AND ROTOR, MECHANICAL SEAL. STARTING DIRECT ON LINE, 5 HP, 1150 RPM, 575V/3PH/60HZ.		P9-515	D56	ST-051-2			
	NC01FI001-10	2	CORPORATION STOPS MODEL:CCS-56-PVC QUILL 6", BODY PVC, BALL CHECK CERAMIC CHECK, SPRING IN SS 316 AND GLAND SEAL IN EPDM			D56	ST-051-6			
	NC01FI001-11	2	CORPORATION STOPS MODEL:CCS-56-PVC QUILL 6", BODY PVC, BALL CHECK CERAMIC CHECK, SPRING IN SS 316 AND GLAND SEAL IN EPDM			D64	ST-054-11			
	NC01FI001-12	2	RAW WATER FLOWMETER 16" DIAMETER, 150 LBS FLANGE		FIT-2-011 FIT-2-021	A24	ST-004-6			
	NC01FI001-13	4	3mm FF GASKET FOR 16" DIA FLANGE #150						678260	

