

DILUTION WATER INLET

CAUSTIC DILUTION: 608 m³/D (111.4 USGPM)
 ACID DILUTION: 559 m³/D (102.4 USGPM)
 CAUSTIC DISPLACEMENT: 649 m³/D (118.9 USGPM)
 ACID DISPLACEMENT: 649 m³/D (118.9 USGPM)

CAUSTIC DILUTION PUMPS
 GOULDS MODEL 3298-XS, 1" x 1.5"
 CASING CONSTRUCTION: DUCTILE IRON/TEFZEL LINED
 IMPELLER CONSTRUCTION: CFR TEFZEL
 DESIGN FLOW: 41 m³/D (7.5 USGPM) EACH
 DESIGN PRESS: 345 kPag (50 PSIG)
 MOTOR: 3 HP/3500 RPM
 TEFC 460 V/3 PH/60 Hz

ASSEMBLY 1105 - AWSL SKID LIMIT

HYDROCHLORIC ACID DILUTION PUMPS
 GOULDS MODEL 3298-XS, 1" x 1.5"
 CASING CONSTRUCTION: DUCTILE IRON/TEFZEL LINED
 IMPELLER CONSTRUCTION: CFR TEFZEL
 DESIGN FLOW: 90 m³/D (16.5 USGPM) EACH
 DESIGN PRESS: 345 kPag (50 PSIG)
 MOTOR: 3 HP/3500 RPM
 TEFC 460 V/3 PH/60 Hz

ASSEMBLY 1109 - AWSL SKID LIMIT

TERMINATION POINT LIST

TP No.	SIZE	CONN.	DESCRIPTION
1105-01	1 1/2"	150 LB. RF	CAUSTIC INLET FROM TOTE
1105-02	1"	150 LB. RF	CAUSTIC OUTLET TO DILUTION SKID
1105-03	1/2"	150 LB. RF	CAUSTIC OUTLET TO DRAIN
1105-04	1/2"	150 LB. RF	CAUSTIC LINE FLUSH INLET
1109-01	2"	150 LB. RF	ACID INLET FROM TOTE
1109-02	1 1/2"	150 LB. RF	ACID OUTLET TO DILUTION SKID
1109-03	1"	150 LB. RF	ACID OUTLET TO DRAIN
1109-04	1"	150 LB. RF	ACID LINE FLUSH INLET
1115-01	1 1/2"	150 LB. RF	ACID INLET FROM PUMP SKID
1115-02	1"	150 LB. RF	CAUSTIC INLET FROM PUMP SKID
1115-03	3"	150 LB. RF	DILUTION WATER INLET
1115-04	3"	150 LB. RF	DILUTE CHEMICAL OUTLET
1115-05	1 1/2"	150 LB. RF	ACID BLEED TO DRAIN
1115-06	1"	150 LB. RF	CAUSTIC BLEED TO DRAIN
1115-07	1"	150 LB. RF	INSTRUMENT AIR INLET

NOTES:
 1 MIN. INSTRUMENT AIR: 80 PSI
 2 HEAT TRACING & INSULATION BY OTHERS
 3 ALL AUTOMATIC VALVES ARE PNEUMATICALLY ACTUATED
 c/w LIMIT SWITCHES
 *4 ALL SYSTEM CONTROLS ARE BY OTHERS.

ISSUED FOR
 SEP 19 2013
 INFORMATION

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REV	REVISION DESCRIPTION	DRAWN	CHECKED	APP	DATE
A	ORIGINAL ISSUE	MG	BW	DC	08.30.12
B	REVISED PER CUSTOMER COMMENTS	MG		DP	10.03.12
C	REVISED PER CUSTOMER COMMENTS	MG		DP	11.12.12
D	REVISED PER CUSTOMER COMMENTS	MG		DP	11.29.12
E	CERTIFIED FOR CONSTRUCTION	MG		DP	01.07.13

REV	REVISION DESCRIPTION	DRAWN	CHECKED	APP	DATE
F	REVISED PER CUSTOMER COMMENT	MG		DP	01.31.13
G	REVISED AT-1530	MG		DP	03.11.13
H	AS BUILT	J.H.	M.G.	D.P.	06.21.13

PROJECT INFORMATION
 ZARGON LITTLE BOW ASP FACILITY
 LSD 16-31-14-18 W4M
 CONTRACT NUMBER:
 120128

ANDERSON WATER SYSTEMS
 44 HEAD ST., DUNDAS ONTARIO
 L9H 3H3 CANADA
 PHONE: +1 (905) 627-9233
 www.AWSL.com

BY	DATE
DRAWN	MG 08.30.12
CHECKED	DC
APP	
REF	
SCALE	N.T.S.
SHEET	7 OF 3

WEAK ACID CATION
 WATER TREATMENT SYSTEM
 P & I DIAGRAM

D 120128-0001-1-PID-003 H