

[illegible]

1 _____ DENOTES WIRING BY A.W.S.
 _____ DENOTES WIRING BY OTHERS.

2. TERMINAL NUMBERS ARE THE SAME AS WIRE NUMBERS UNLESS SPECIFIED OTHERWISE.

PANEL WIRE: 16 AWG MINIMUM, TEW, 105 DEG C
CONDUIT WIRE: 14 AWG MINIMUM, T90, THIN, 90 DEG C
INSTRUMENT WIRE: 16 AWG, TWISTED PAIR WITH OVERALL SHIELD,
18 AWG DRAIN WIRE, GREY PVC JACKET
300 VOLT (BELDEN No. 8719)

AC CONTROL POWER:	RED
AC NEUTRAL:	WHITE
24VDC POWER:	BLUE
GROUND:	GREEN
FOREIGN POWER:	YELLOW
INSTRUMENT POSITIVE:	BLACK
INSTRUMENT NEGATIVE:	WHITE
TEMPORARY JUMPER WIRES:	ORANGE

6. CONDUIT TO BE ALUMINUM.
- NO CONDUIT LESS THAN 25mm IS TO BE USED

8. LIMIT SWITCHES (IF USED)

VALVE OPEN (ZSO): WIRED NORMALLY OPEN.
VALVE CLOSED (ZSC): WIRED NORMALLY OPEN, HELD CLOSED

ALL VALVES ARE "ENERGIZE TO OPEN" UNLESS NOTED OTHERWISE

EXAMPLE: LOOP5 - C 09

COLUMN NUMBER

LINE LETTER

DWG SET & SHT NUMBER

— LOCATION OF TERMINAL, eg. MP, JB1, JB2
— TERMINAL STRIP NAME, eg. AC, DC

MP-AG

STANDARD TERMINAL

MP:AN
500mA FUSED TERMINAL

MP AC
KNIFE DISCONNECT TERMINAL

MP-AC
SURGE SUPPRESSOR TERMINAL.

MP:DC

DIODE TERMINAL

MP-AC
⊥ GND GROUND TERMINAL

PO:	AC POWER DISTRIBUTION TERMINALS	_____	L1, L2, N1, N2 etc.
AN:	ANALOG TERMINALS	_____	WIRE NUMBERS 101-999
DC:	DC CONTROL & DC POWER DISTRIBUTION TERMINALS	_____	WIRE NUMBERS 1000-1999, 24VDC, 6VDC
AC:	AC CONTROL TERMINALS	_____	WIRE NUMBERS 2000-2999
RC:	AUX RELAY CONTACT TERMINALS	_____	WIRE NUMBERS 3000-3999
	JUNCTION BOX "SPARE" TERMINALS - DC	_____	WIRE NUMBERS 4000-4999
	JUNCTION BOX "SPARE" TERMINALS - AC	_____	WIRE NUMBERS 5000-5999

14. DENOTES DISTRIBUTION BLOCK

15.  DENOTES SHIELD.
BEND BACK AND HEAT SHRINK

THIS DRAWING AND ALL INFORMATION AND KNOWLEDGE CONTAINED OR REFERRED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF ANDERSSON WATER SYSTEMS, INC. ("AWS") AND AS SUCH ARE INSTRUMENTS OF SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT. THESE INSTRUMENTS OF SERVICE SHALL NOT BE REPRODUCED, TRANSMITTED, DISCLOSED OR USED OTHERWISE IN WHOLE OR IN PART WITHOUT THE WRITTEN AGREEMENT BY AWS AND MUST BE RETURNED OR DESTROYED UPON REQUEST.

REV	REVISION DESCRIPTION	DRWN	CHKD	APP	DATE
A	ORIGINAL ISSUE	SS	JW	DP	NOV. 12
B	CUSTOMER COMMENTS ADDED	SS	JW	DP	JAN '13
C	REVISED JB NUMBERS PER CUSTOMER COMMENTS	SS	JW	DP	MAY 13
D	AS BUILT	SS	JW	DP	JUN '13

[illegible]

PROJECT INFORMATION

ZARGON LITTLE BOW ASP FACILITY

LSD 16-31-14-18 W4M

ALBERTA, CANADA

CONTRACT NUMBER

120128



	BY	DATE
DRAWN	SS	NOV. 1
CHECKED	JW	NOV. 1
APP	DP	NOV. 1
REF.		
SCALE		
TOTAL NUMBER OF LOOP PAGES.		17

CUSTOMER DWG. No.		LOOP DIAGRAM	
		NOTES	
2			
2			
2			
SIZE			
B	120128-0001-1-LOOP-001	REV.	D