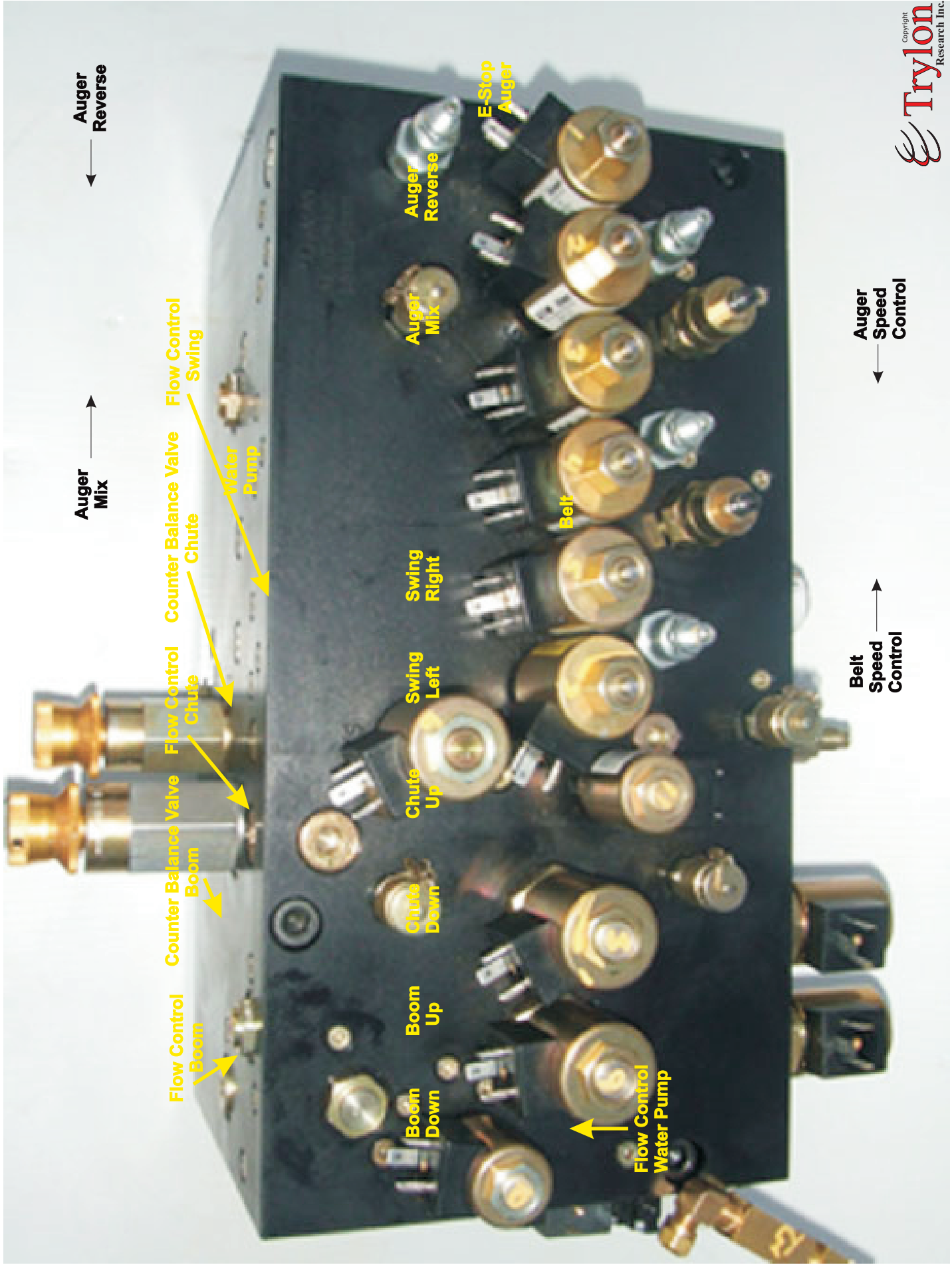
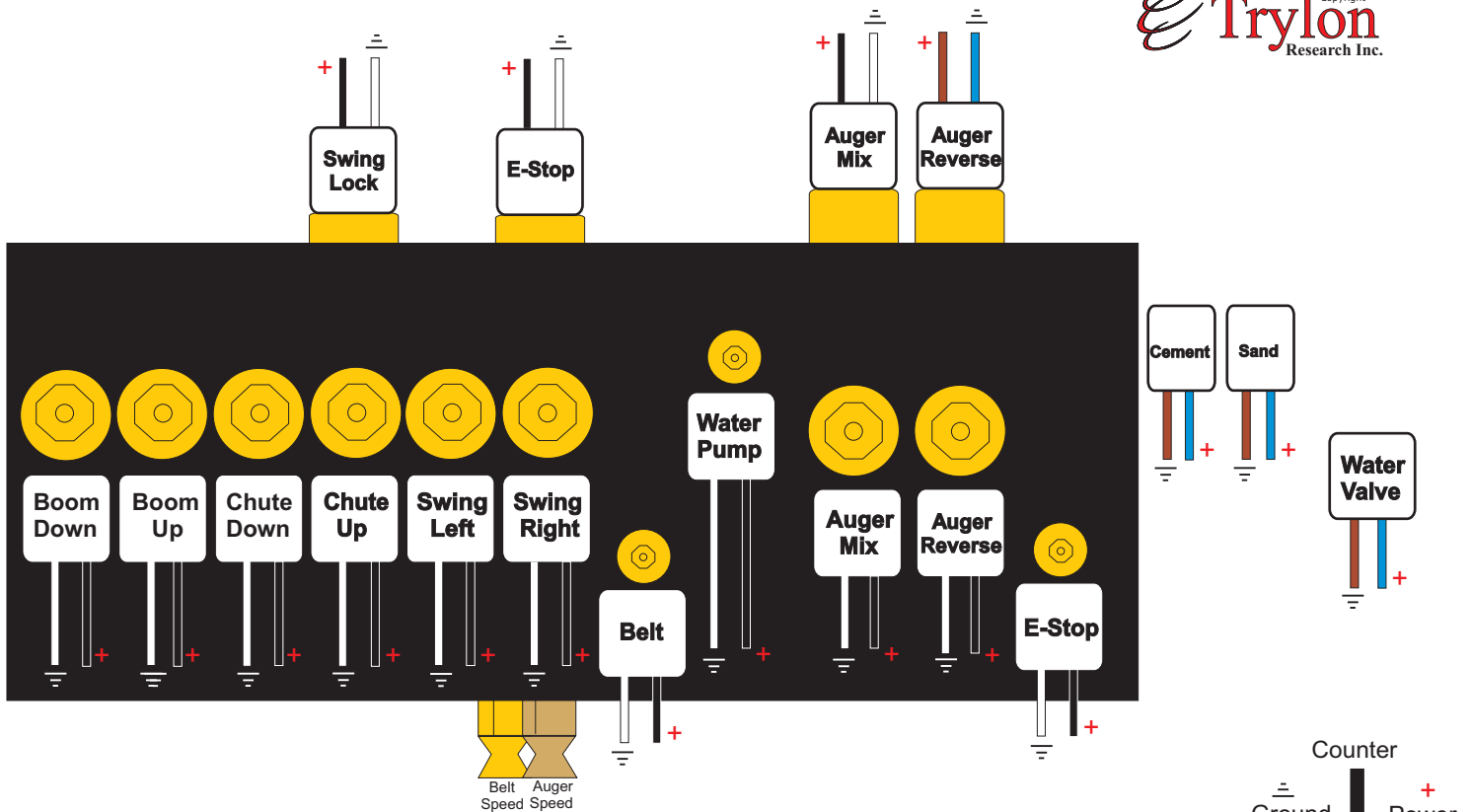




Valve Wiring



Each solenoid connector has 2 wires
Blue and white wires are ground
Brown and Black wires are Power



This symbol indicates power input to the connector.

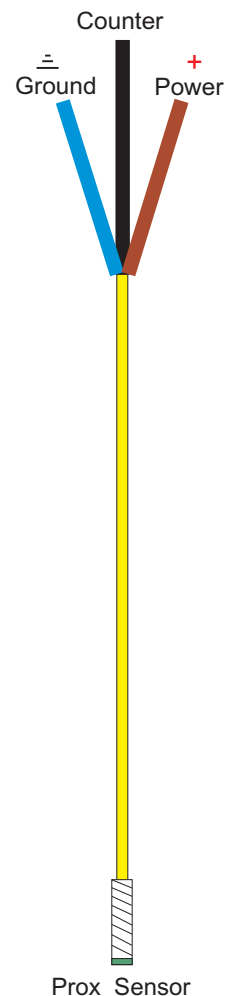
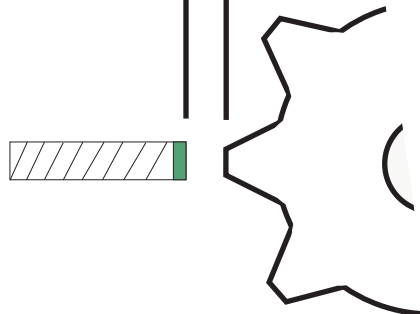


This symbol indicates the ground connection for the connector.

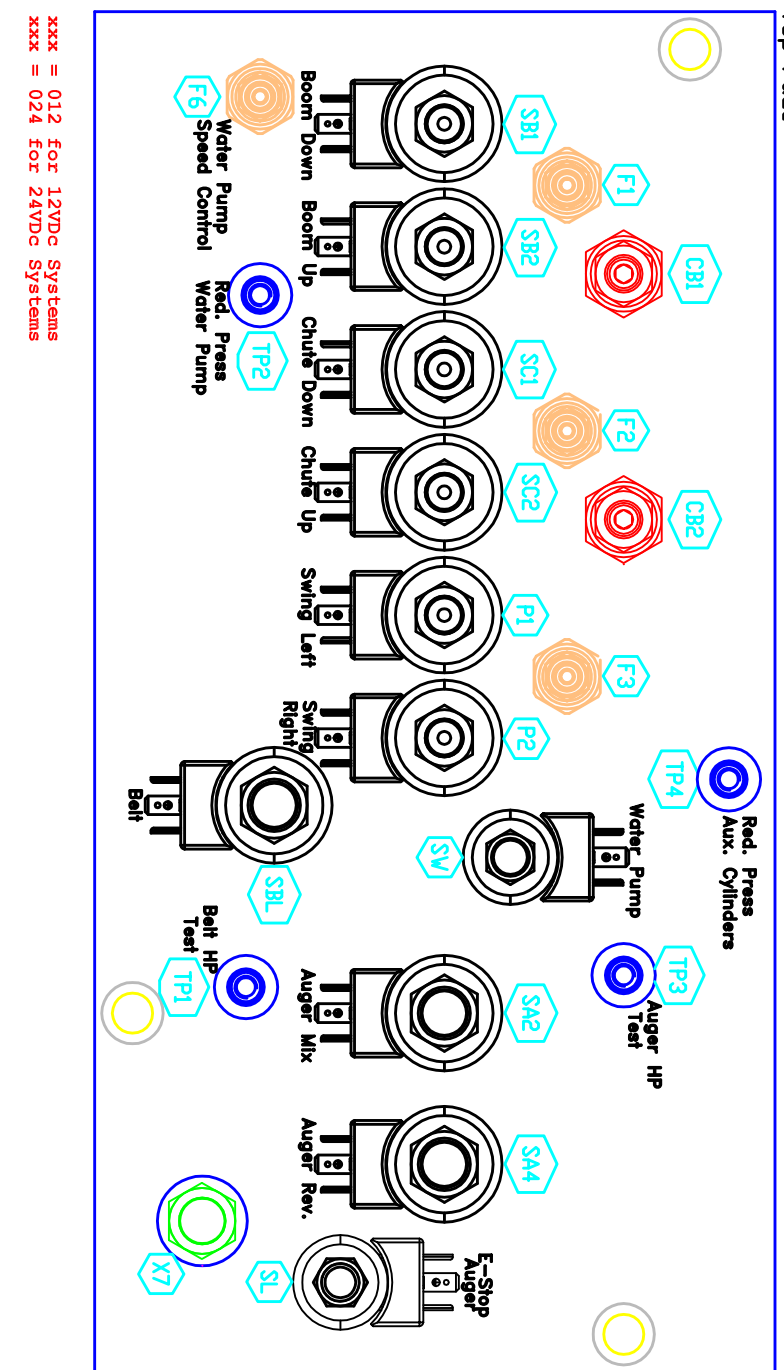
The third and widest pin is not used.

Prox Switch Setting

$\frac{1}{16}$ " to $\frac{1}{8}$ "

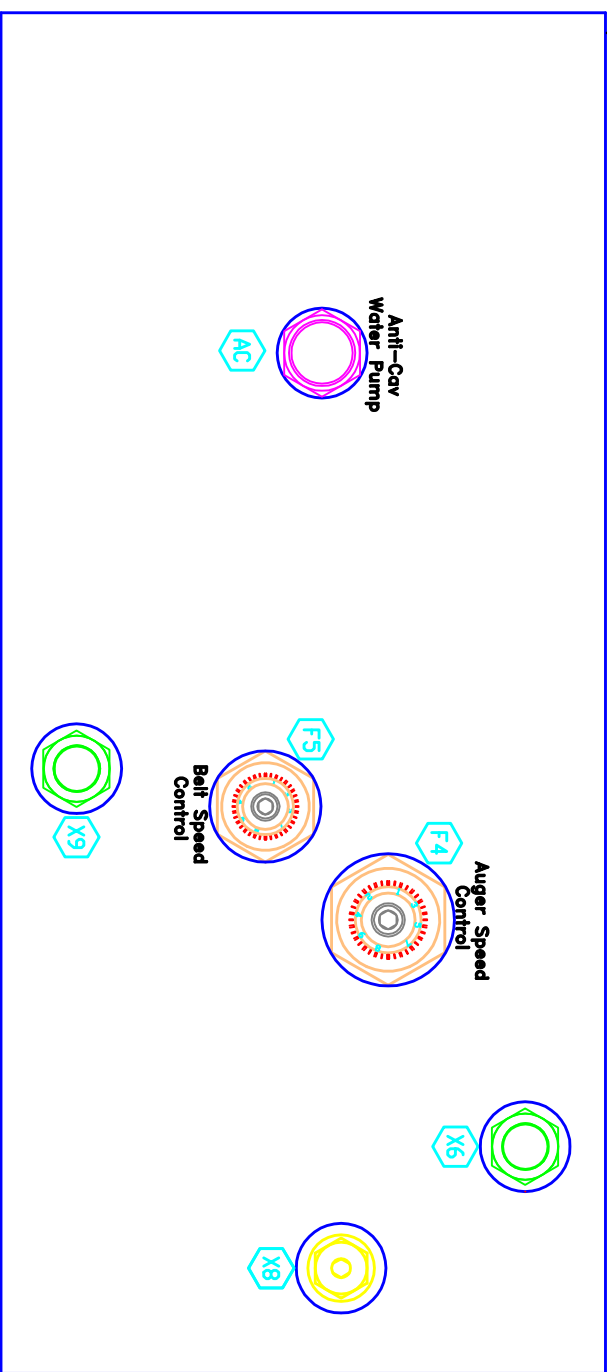


Top Face



Tag #	Function/Port Name	Part Number
CB1	Boom Counterbalance	CBV1-10-S-0-A-30/
CB2	Chute Counterbalance	CBV1-10-S-0-A-30/
F1	Boom Speed Control	FDBA-LAN
F2	Chute Speed Control	FDBA-LAN
F3	Swing Speed Control	FDBA-LAN
F6	Water Pump Speed Control	FDBA-LAN
P1	Swing Left Valve	SV4-5299-0
P2	Swing Right Valve	SV4-5299-0
SA2	Auger Mix # 2 Valve	MCSCJxxxxDG000010
SA4	Auger Reverse #2 Valve	SV13-16-0-0-00
SB1	Boom Down Valve	SV4-5299-0
SB2	Boom Up Valve	MCSCJxxxxDG000010
SBL	Belt Valve	MCSCJxxxxDG000010
SC1	Chute Down Valve	SBV11-12-C-0-00
SC2	Chute Up Valve	SV4-5299-0
SL	E-Stop Auger	MCSCJxxxxDG000010
SW	Water Pump Valve	SV11-8-4-0-00
TP1	Belt HP Test	SMK20-7/16 UNF-VZ
TP2	Red. Press Water Pump	SMK20-7/16 UNF-VZ
TP3	Auger HP Test	SMK20-7/16 UNF-VZ
TP4	Red. Press Aux. Cylinders	SMK20-7/16 UNF-VZ
X7	Shuttle Valve	DSV2-8-B-0

Operator's Panel Face



Operator's Panel Face

Tag #	Function/Port Name	Part Number
AC	Anti Cav. Water Pump	CV3-8-B-0-004
F5	Belt Speed Control	HF-PCA-OK-XX
F4	Auger Speed Control	580426 VCK Knob
X6, X9	Shuttle Valve	FAA1-16-B-0-30
X8	Auxiliary Shuttle Valve	DSV2-8-B-0

Aluminum Valve Manifold
MATERIAL 6061-T6
PRESSURE RATING 3500 PSI
COATING BLACK ANODIZE
C/w 3 ea 0.500-13 x 8.50 Socket Head Cap Screw



PREMIER ALLIANCE

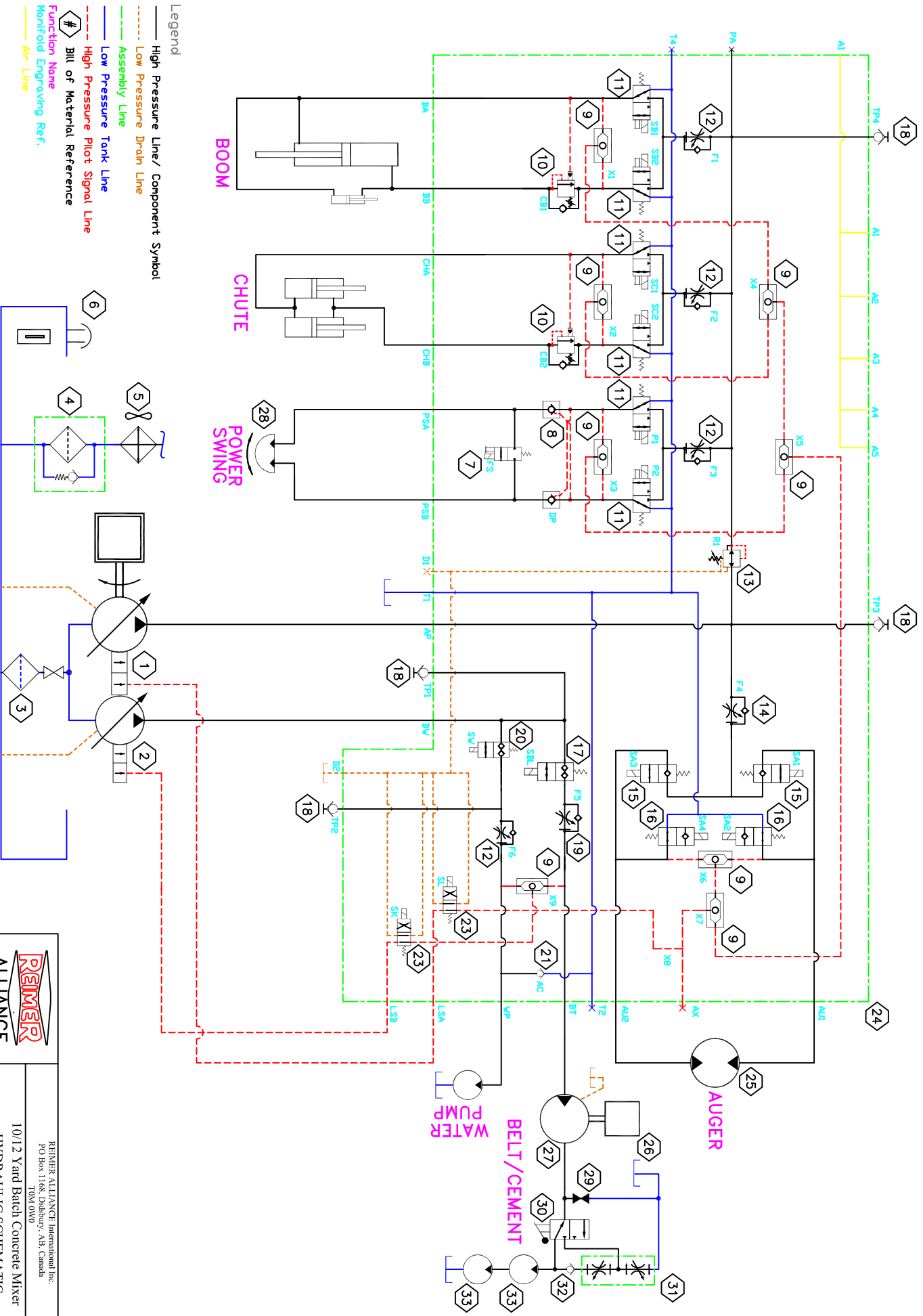
REIMER ALLIANCE International Inc.
PO Box 1168, Didsbury, AB, Canada
T0M 0V0

Custom Hydraulic Manifold
GENERAL ASSEMBLY

G. Green

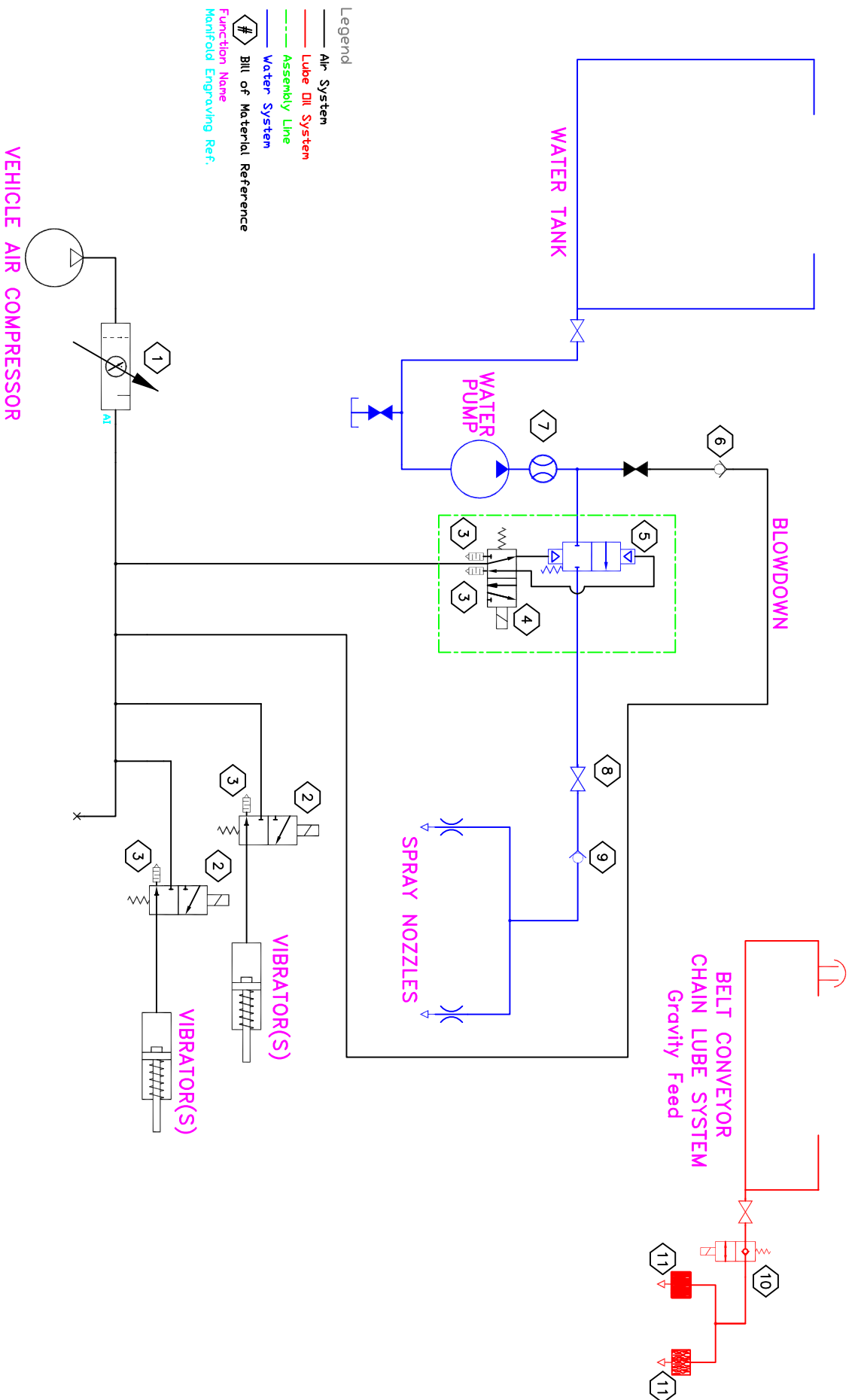
SIZE: P200 NO. C
SCALE: NTS

DWG NO. C 0 6 0 2 2 7 A
SHEET: 1 OF 2



Legend — High Pressure Line/ Component Symbol - - - Low Pressure Drain Line - - - Assembly Line - - - Low Pressure Tank Line - - - High Pressure Pilot Signal Line - - - Bill of Material Reference - - - Function Name - - - Manifold Engraving Ref. - - - Air Line			
REIMER ALLIANCE 10/12 Yard Batch Concrete Mixer HYDRAULIC SCHEMATIC		REIMER ALLIANCE International Inc. PO Box 1168, Didsbury, AB, Canada T0M 0W0	
G. Green February 23, 2011	SIZE / P&ID NO. C	DWG. NO. C 0 6 0 2 2 8 S	REV 3
SCALE NTS	SHEET 1 OF 1		

BILL OF MATERIAL – C060228S Hydraulics			
ITEM	QTY	DESCRIPTION	MFG
1	1	K3VL80/B-1NRSS-L0 Righthand Rotation Auger Pump c/w P-29L8T2KD	Kawasaki
1A	opt.	K3VL80/B-1NLSS-L0 Lefthand Rotation Auger Pump c/w P-29L8T2KD	Kawasaki
2	1	K3VL45/B-1NRSS-L0 Righthand Rotation Belt Pump	Kawasaki
2A	opt.	K3VL45/B-1NLSS-L0 Lefthand Rotation Belt Pump	Kawasaki
3	1	P50-2-100-RV3 Suction Strainer	Flo-Ezy
4	1	HH2544A24MPSAGD Return Filter w/Element, Indicator Gauge, & Diffuser	Pall
4A	spare	HC2544FMP9H Spare Filter Element	Pall
5	1	043345 Fan Operated Cooler 12V c/w B4130FD404P100 Thermostat Switch	Hayden
5A	opt.	043346 Fan Operated Cooler 24V c/w B4130FD404P100 Thermostat Switch	Hayden
6	1	ABGP-1000-3-HN-CHAIN Breather Cap	Flo-Ezy
7	1	SV4-8-CM-0-00 Free Swing Valve w/manual override	Eaton
7A	1	MCSCS012DG000010 12V DIN Coil	Eaton
7A.1	opt.	MCSCS024DG000010 24V DIN Coil	Eaton
8	1	DPC2-8U-25-A-00 Dual Pilot Operated Check Valve - Cartridge Only	Eaton
9	8	DSV2-8-B-0 Shuttle Valve for Load Sense Signals	Eaton
10	2	CBV1-10-S-0-A-30/ 3:1 Ratio Counterbalance Valve - Cartridge Only	Eaton
11	6	SV4-5299-0 Boom/Chute/Swing Solenoid Valve 3way/2pos - Cartridge Only	Eaton
11A	6	MCSCJ012DG000010 12V DIN Coil	Eaton
11A.1	opt.	MCSCJ024DG000010 24V DIN Coil	Eaton
12	4	FDBA-LAN Flow Control for Water Pump, Boom, Chute, Swing	Sun
13	1	PRV12-10-S-0-30/ Pressure Reducing Valve - Cartridge Only	Eaton
14	1	FAR1-16-H-0-30 Auger Speed Control Valve	Eaton
15	2	SV13-16-C-0-00 Auger Normally Closed Solenoid Valves	Eaton
15A	2	MCSCH012DG000010 12V DIN Coil	Eaton
15A.1	opt.	MCSCH024DG000010 24V DIN Coil	Eaton
16	2	SV13-16-O-0-00 Auger Normally Open Solenoid Valves	Eaton
16A	2	MCSCH012DG000010 12V DIN Coil	Eaton
16A.1	opt.	MCSCH024DG000010 24V DIN Coil	Eaton
17	1	SBV11-12-C-0-00 Belt Normally Closed Solenoid Valve	Eaton
17A	1	MCSCH012DG000010 12V DIN Coil	Eaton
17A.1	opt.	MCSCH024DG000010 24V DIN Coil	Eaton
18	4	SMK20-7/16 UNF-VE Test/Gauge Port Quick Disconnect	Stauff
19	1	HT-FCA-0K-XX Belt Flow Control - Modified	Delta Power
19A	1	c/w 580426 VCK Knob	Eaton
20	1	SBV11-8-C-0-00 Water Pump Normally Closed Solenoid Valve	Eaton
20A	1	MCSCP012DG000010 12V DIN Coil	Eaton
20A.1	opt.	MCSCP024DG000010 24V DIN Coil	Eaton
21	1	CV3-8-P-0-004 Anti-Cavitation Check for Water Pump	Eaton
23	2	SV11-8-4-0-00 E-Stop Solenoid Valve 4w/2p	Eaton
23A	2	MCSCP012DG000010 12V DIN Coil	Eaton
23A.1	opt.	MCSCP024DG000010 24V DIN Coil	Eaton
24	1	E-24029 Customer Hydraulic Manifold Block - Anodized Black	Daman
25	1	109-1104 4000 series keyed motor for 9" Auger	Eaton
25A	opt.	104-1034 2000 series splined motor for 9" Auger	Eaton
25A	opt.	112-1066 6000 series keyed motor for 12" Auger	Eaton
26	1	16FF1-05-6-A36 Planetary Reducer w/16E Sun Gear	Heco
27	1	106-1013 Regular Torque Motor for Belt	Eaton
27A	opt.	106-1012 High Speed for Belt	Eaton
28	1	L2025 Rotary Actuator for Swing Function	Helac
29	1	3/8" NPT - Ball Valve - 2500 psi	PCI
30	1	DH 5/3 B SAE Cement Mix Selector Valve	Walvoil
31	1	FP56-10 SAE Proportional Flow Divider for Cement System	Brand
32	1	LT-50-0 Check Valve	Gresen
33	2	104-1228 Cement Augers Motor	Eaton



BILL OF MATERIAL – C060229S Water, Air, Lube Oil

ITEM	QTY	DESCRIPTION	MFG
1	1	B74G3AKAD3RMG Filter/Regulator & L74M3APEDN 3/8" NPT Lubricator	Norgren
2	2	NF1BAN524N00060 3/2 Air Solenoid Valve - Poppet	Numatics
3	2	B1MN Port Muffler	Numatics
4	1	8110738-0247-B 12V Pilot Valve c/w 2 MV002A muffler	Norgren
	<i>opt.</i>	8110738-0247-D 24V Pilot Valve c/w 2 MV002A muffler	Norgren
5	1	8473450.0000 2/2 Normally Closed Brass Angle Seat Valve	Norgren
6	1	CPMF20B Check Valve	Deltrol
7	1	ME006 Vortex Water Meter	Reimer
8	1	1" Ball Valve	Reimer
9	1	1" Check Valve	Reimer
10	1	B1723-7X03 Normally Closed Lube Oil Solenoid Valve	Oil-Rite
11	2	A2257-5X02 Stainless Steel Brushes	Oil-Rite