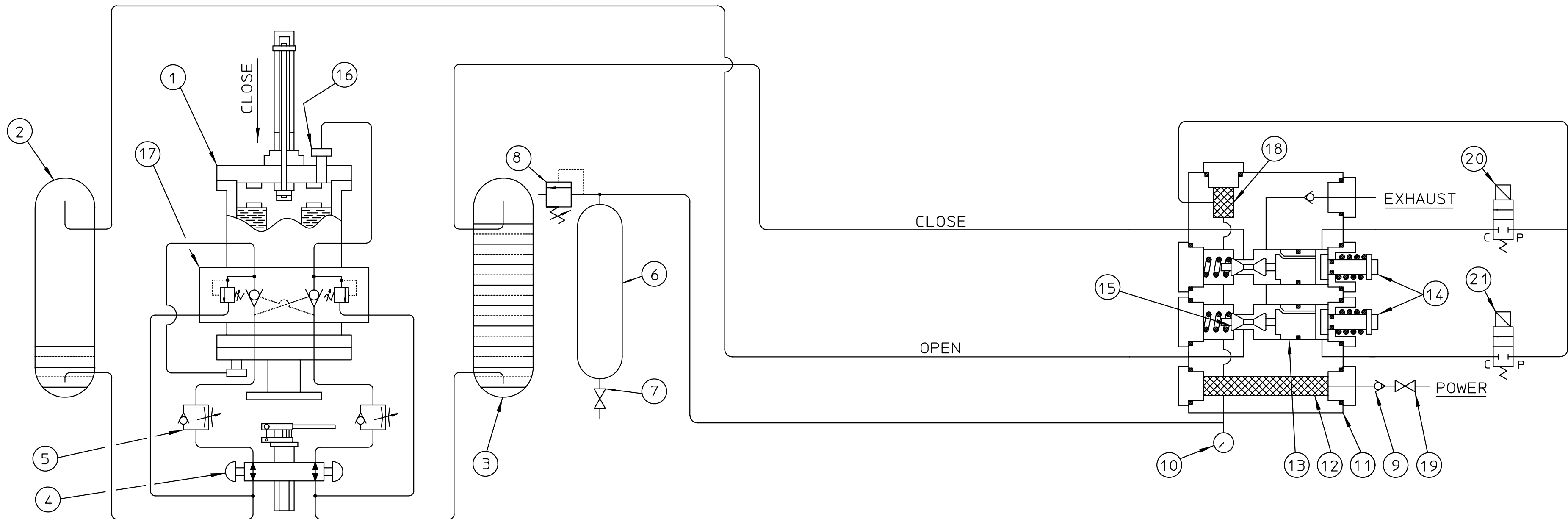




1. SHAFER OPERATOR (SHOWN IN OPEN POSITION)
2. OPENING GAS HYDRAULIC TANK
3. CLOSING GAS HYDRAULIC TANK
4. HAND PUMP
5. SPEED CONTROL (OPTIONAL)
6. POWER STORAGE TANK
7. DRAIN VALVE
8. RELIEF VALVE
9. CHECK VALVE
10. GAUGE
11. CONTROL BLOCK
12. POWER STRAINER (140 MICRON)
13. CONTROL PILOT PISTON (WITH ORIFICE)
14. MANUAL OPERATION (HANDLES NOT SHOWN)
15. POWER POPPET
16. HYDRAULIC SNUBBER (OPTIONAL)
17. DOUBLE HOLDING VALVE
18. PILOT STRAINER (25 MICRON)
19. POWER SHUTOFF VALVE (OPTIONAL)
20. 2-WAY NORMALLY CLOSED SOLENOID VALVE
21. 2-WAY NORMALLY CLOSED SOLENOID VALVE

OPTIONAL
PACKAGE

ELECTRIC REMOTE 2-WAY FEATURE

- A. ENERGIZE SOLENOID (20) TO CLOSE THE OPERATOR.
 - B. ENERGIZE SOLENOID (21) TO OPEN THE OPERATOR.
- THE SOLENOIDS MUST BE DE-ENERGIZED AT THE END OF THE OPERATORS STROKE.

LEGEND
P-POWER
C-CYLINDER

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UNLESS OTHERWISE SPECIFIED							
TOLERANCES		GENERAL NOTES					
DECIMAL	IN.	MM.					
XX	±.030		1. DIMENSIONS ARE IN INCHES (MM)	ELECTRICA REMOTE 2-WAY SCHEMATIC			
XXX	±.005		2. REMOVE BURRS AND BREAK SHARP EDGES				
XXXX	±.0005		3. CHAMFER ANGLES ± 5°				
			4. FILLETS 0.031R ± 0.015 (0.8R ± 0.4)				
			5. CHAMFER FIRST THREAD				
			6. SURFACE FINISH RMS 125-250 µin (3.2-6.3 µm)				
			7. DO NOT SCALE DRAWING				
			8. DRILLED HOLES TOLERANCES ARE PER ES-7				
ANGULAR	± 1°			DRN LS CHK LER APR RR DATE SCALE NONE DWG. NO. 5043-S REV 0 SHEET 1 OF 1			
THD	± 1 TURN						
THIS DOCUMENT AND THE DATA DISCLOSED HEREIN OR HEREWITH IS NOT TO BE REPRODUCED, USED OR DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF EMERSON.			APPROX. WEIGHT LBS (KGS)	THIRD ANGLE PROJECTION			



2500 Park Avenue West
Mansfield, OH 44906
United States

BOM PRINT REPORT

Report Date: 18-OCT-23

Inventory Org : VAM
Assembly Number: VA-ED-011-5603
Description: LINEAR MASTER ASSEMBLY, L8-12"
Long Description:

Revision: 0

Seq	Level	Item	Description	Qty	Rev	UOM	Matl Spec	Cert	Matl Type	Drawing Spec (Rev)	Coating Spec
1	1	VA-ED-011-3978	HYDRAULIC CYLINDER, SUPERIOR NUTECH PART NUMBER SNS# 8.00-SVU-2.50-13.50-SP-EME	1.00	0	EA					
2	1	VA111175-138	GAS HYDRAULIC TANK ASSEMBLY, LINEAR, 975 CU IN	2.00	0	EA					
3	1	VA81207-S-D-F	1/4" POPPET CONTROL ASSEMBLY W/ 12 CU IN HAND PUMP & 3/4 DHV	1.00	1	EA					
4	1	VA16CX2	MICRO SWITCH	2.00	0	EA					
5	1	VA116305	TERMINAL BOX ASSEMBLY WITH 2 STRIPS OF 8 TERMINAL POINTS	1.00	4	EA				VAM116305 (03)	
6	1	VA-ED-011-5653	MOUNTING BRACKET ASSEMBLY, GATE, 12" ANSI 600 M&J, SK-G-01516-Z	1.00	0	EA					
7	1	VA105525	GATE ACTUATOR COUPLING	1.00	0	EA					
8	1	VAHHCS 5/8-11X3-1/2 G5	HEX HEAD CAP SCREW, 5/8-11X3-1/2 CL 2A UNC, GRD 5.ZINC PLATE	8.00	0	EA					
9	1	VALW 5/8	LOCKWASHER, 5/8, CARBON STEEL, ZINC PLATE	8.00	0	EA					
10	1	VASHSS 1/2-13X1 NT	SOCKET HEAD SET SCREW NYL TIP	4.00	0	EA					
11	1	VA106180-001	TAG MOUNTING KIT	1.00	0	EA					
12	1	VAB-810-C	SWAGELOK TUBING CAP 1/2	2.00	0	EA					
13	1	VAB-810-P	SWAGELOK TUBE FITTING PLUG 1/2	2.00	0	EA					
14	1	VA104041-055	GUIDE BRACKET	1.00	3	EA				VAM104041 (6)	
15	1	VA75391-035	POSITION INDICATOR AND COVER	1.00	1	EA					
16	1	VA77295	CUTOUT COVER	1.00	1	EA				VAM77295 (01)	
17	1	VA80439	COVER CAP	1.00	0	EA					
18	1	VA80438	SHAFT COVER	1.00	5	EA				VAM80438 (5)	
19	1	VA07680-049	GUIDE PIN	1.00	1	EA					
20	1	VA07631-118	GUIDE ROLLER	1.00	1	EA					
21	1	VA07631-119	GUIDE ROLLER	1.00	1	EA					
22	1	VA9000-12 SS	X-WASHER STAINLESS STEEL	2.00	0	EA					
23	1	VASP 1/4X3/4 SS	SPRING PIN	2.00	0	EA					
24	1	VAHHCS 1/4-20X3/4 SS	HEX HEAD CAP SCREW,1/4-20X3/4,SS 304	4.00	0	EA					
25	1	VALW 1/4 SS	LOCKWASHER, 1/4, SS 304	4.00	0	EA					
26	1	VAFW 1/4 SAE SS	FLATWASHER, 1/4 SAE, SS 304	4.00	0	EA					
27	1	VAHHCS 3/8-16X1 G5	HEX HEAD CAP SCREW, 3/8-16X1 CL 2A UNC, GRD 5.ZINC PLATE	4.00	0	EA					
28	1	VAHHCS 3/8-16X2-3/4 SS	HEX HEAD CAP SCREW,3/8-16X2-3/4,SS 304	2.00	0	EA					
29	1	VALW 3/8 SS	LOCKWASHER, 3/8, SS 304	6.00	0	EA					
30	1	VAFW 3/8 SAE SS	FLATWASHER, 3/8 SAE, SS 304	6.00	0	EA					
31	1	VA108686-015	GAS DIFFUSER/DIPSTICK ASSEMBLY REF: 108233	2.00	2	EA					
32	1	VA27755-002	PIPE PLUG 1/4 316 SS	2.00	5	EA					
33	1	VA80431	REDUCER	2.00	1	EA					
34	1	VAPT 3/4-3000# SS	PIPE TEE 3/4" SS	2.00	0	EA					
35	1	VA27755-005	PIPE PLUG 3/4 316 SS MCMaster-CARR PART #4464K335	2.00	5	EA					
36	1	VAHHCS 1/2-13X1-1/2 G5	HEX HEAD CAP SCREW, 1/2-13X1-1/2 CL 2A UNC, GRD 5.ZINC PLATE	20.00	0	EA					
37	1	VALW 1/2	LOCKWASHER, 1/2, CARBON STEEL, ZINC PLATE	20.00	0	EA					
38	1	VA104043-059	CONTROL MOUNTING STRAP	2.00	0	EA					
39	1	VA103527	CONTROL MOUNTING BRACKET	2.00	2	EA				VAM103527 (2)	



2500 Park Avenue West
Mansfield, OH 44906
United States

BOM PRINT REPORT

Report Date: 18-OCT-23

Inventory Org : VAM
Assembly Number: VA-ED-011-5603
Description: LINEAR MASTER ASSEMBLY, L8-12"
Long Description:

Revision: 0

Seq	Level	Item	Description	Qty	Rev	UOM	Matl Spec	Cert	Matl Type	Drawing Spec (Rev)	Coating Spec
40	1	VAPN 1/2X3 SS	PIPE NIPPLE SCH. 80 SS	1.00	0	EA					
41	1	VAPCP 1/2-3000# SS	PIPE COUPLING SS	1.00	0	EA					
42	1	VAP05/1500/SS/EC	EXHAUST MUFFLER	1.00	0	EA					
43	1	VAHN 1/2-13	HEX NUT, 1/2-13 UNC, GRD 5. ZINC PLATE	8.00	0	EA					
44	1	VAGEMT-2	KILLARK JUNCTION BOX	1.00	0	EA					
45	1	VAGEMEY	KILLARK SEALING CAP	1.00	0	EA					
46	1	VACUP-5	KILLARK CLOSE PLUG 1-1/2 APPLETON P.N. PLG150A	1.00	0	EA					
47	1	VALSZ54	MICRO SWITCH LEVER HUB	2.00	0	EA					
48	1	VA79138	LIMIT SWITCH REPLACEMENT ARM	2.00	6	EA					
49	1	VAHHCS 5/16-18X1-1/2SS	HEX HEAD CAP SCREW, 304 SS, COLD WORKED	8.00	0	EA					
50	1	VAHLN 5/16-18 SS	HEX NUT	8.00	0	EA					
51	1	VA73228	MOUNTING STRAP	1.00	4	EA				VAM73228 (04)	
52	1	VA-ED-001-2300	SOLENOID, ASCO, X263429069122F1, 2WNC, 24 DC, 1500 PSI, 1/8 NPTF, 1/2 NPT ENTRY 316 STAINLESS STEEL , UL/CSA TYPE 4 , 4X6,6P, 7 AND 9 , CLASS 1 DIV 1 GROUPS A,B,C,D, CLASS 1 DIV 2 GROUPS E, F, G, 3/64 ORIFICE, -76F	2.00	0	EA					
53	1	VACN 1/2X1-1/2 A	CONDUIT NIPPLE, ALUMINUM, 1/2 X 1-1/2 ALUMINUM	2.00	0	EA					
54	1	VAHHCS 3/8-16X3/4 SS	HEX HEAD CAP SCREW	2.00	0	EA					
55	1	VAHHCS 3/8-16X1-3/4 SS	HEX HEAD CAP SCREW,3/8-16X1-3/4,SS 304	2.00	0	EA					
56	1	VAHN 3/8-16 SS	HEX NUT, 3/8-16 UNC, SS 304	2.00	0	EA					
57	1	VACN 3/4X2-1/2 G	CONDUIT NIPPLE 3/4 X 2-1/2	1.00	0	EA					
58	1	VASS-400-1-2	MALE CONNECTOR, SWAGELOK, SS-400-1-2 1/4" TUBE, 1/8" MNPT, 316SS	5.00	0	EA					
59	1	VASS-400-2-2	TUBE FITTING, MALE ELBOW 90, SWAGELOK, SS-400-2-2, 1/4 TUBE, 1/8 NPT, 316SS	1.00	0	EA					
60	1	VASS-400-3TMT	TUBE FITTING, MALE RUN TEE, SWAGELOK, SS-400-3TMT, 1/4 TUBE, 1/8 MNPT, 316SS	1.00	0	EA					
61	1	VASS-810-1-4	TUBE FITTING, MALE CONNECTOR, SWAGELOK, SS-810-1-4, 1/2 TUBE, 1/4 NPT, 316SS	2.00	0	EA					
62	1	VASS-810-1-6	TUBE FITTING, MALE CONNECTOR, SWAGELOK, SS-810-1-6, 1/2 TUBE, 3/8 NPT, 316SS	2.00	0	EA					
63	1	VASS-1210-2-8	TUBE FITTING, MALE ELBOW 90, SWAGELOK, SS-1210-2-8, 3/4 TUBE, 1/2 NPT, 316SS	2.00	0	EA					
64	1	VASS-1210-1-12	TUBE FITTING, MALE CONNECTOR, SWAGELOK, SS-1210-1-12, 3/4 TUBE, 3/4 NPT, 316SS	4.00	0	EA					
65	1	VASS-1210-2-12	TUBE FITTING, MALE ELBOW 90, SWAGELOK, SS-1210-2-12, 3/4 TUBE, 3/4 NPT, 316SS	2.00	0	EA					

Assembly Comments:



2500 Park Avenue West
Mansfield, OH 44906
United States

BOM PRINT REPORT

Report Date: 18-OCT-23

Inventory Org : VAM
Assembly Number: VA81207-S-D-F
Description: 1/4" POPPET CONTROL ASSEMBLY
Long Description: W/ 12 CU IN HAND PUMP & 3/4 DHV

Revision: 1

Seq	Level	Item	Description	Qty	Rev	UOM	Matl Spec	Cert	Matl Type	Drawing Spec (Rev)	Coating Spec
1	1	VA68627	CONTROL PLATE	1.00	6	EA	VAESMA-1430			VAM68627 (6)	
2	1	VA72058-F-S	12 CU IN HAND PUMP ASSEMBLY W/ 3/4" D.H.V. & SPEED CONTROL	1.00	2	EA				VAM72057 (3)	
3	1	VA68117-F	1/4 inch POPPET BLOCK ASSEMBLY	1.00	3	EA					
5	1	VATAG 62874	CONTROL POPPET TAG	1.00	3	EA				VAMTAG62874 (3)	
7	1	VAFP 1/4X7/8 TAPER SS	FLUSH PLUG LEVEL SEAL	1.00	0	EA					
8	1	VA02MKP1/4CBM2.50FLSS	0-2000 BAR/PSI GAUGE 1/4 CBM 2-1/2 FACE LIQUID FILL S.S.	1.00	0	EA					
9	1	VA27755-001	PIPE PLUG 1/8 316 SS	4.00	5	EA				VAM27755 (05)	
10	1	VA27755-002	PIPE PLUG 1/4 316 SS	1.00	5	EA					
11	1	VADS #4 TYPE U	DRIVE SCREW 1/4" 316 SS	3.00	01	EA		NONE	316 SS		
13	1	VAHHCS 3/8-16X3/4 SS	HEX HEAD CAP SCREW	4.00	0	EA					
14	1	VAHHCS 1/2-13X4-1/2 SS	HEX HEAD CAP SCREW,1/2-13X4-1/2,SS 304	4.00	0	EA					
16	1	VALW 3/8 SS	LOCKWASHER, 3/8, SS 304	8.00	0	EA					
17	1	VALW 1/2 SS	LOCKWASHER, 1/2, SS 304	4.00	0	EA					
18	1	VA68170	CONTROL COVER ASSEMBLY	1.00	11	EA				VA68170 (11)	
20	1	VA68194	PUMP HANDLE 12"	1.00	2	EA					
21	1	VAHHCS 1/4-20X2-1/2 SS	HEX HEAD CAP SCREW,1/4-20X2-1/2,SS 304	1.00	0	EA					
22	1	VAHLN 1/4-20 SS	HEX LOCKNUT	1.00	0	EA					
23	1	VAHHCS 3/8-16X1 SS	HEX HEAD CAP SCREW,3/8-16X1,SS 304	4.00	0	EA					
24	1	VAHN 3/8-16 SS	HEX NUT, 3/8-16 UNC, SS 304	4.00	0	EA					
25	1	VAFW .875X.38X.120 SS	FLATWASHER, .875X.38X.120, SS 304	4.00	0	EA					

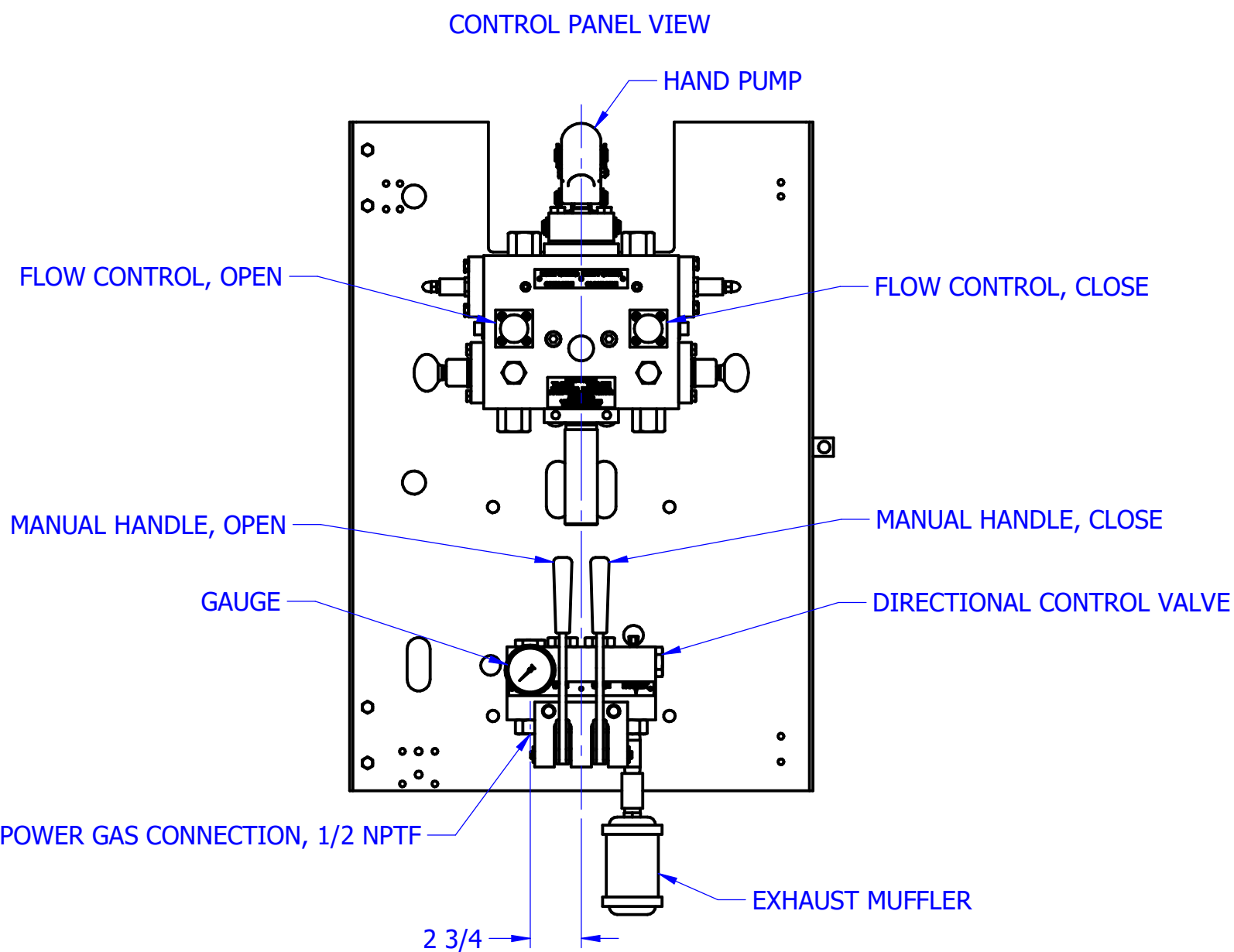
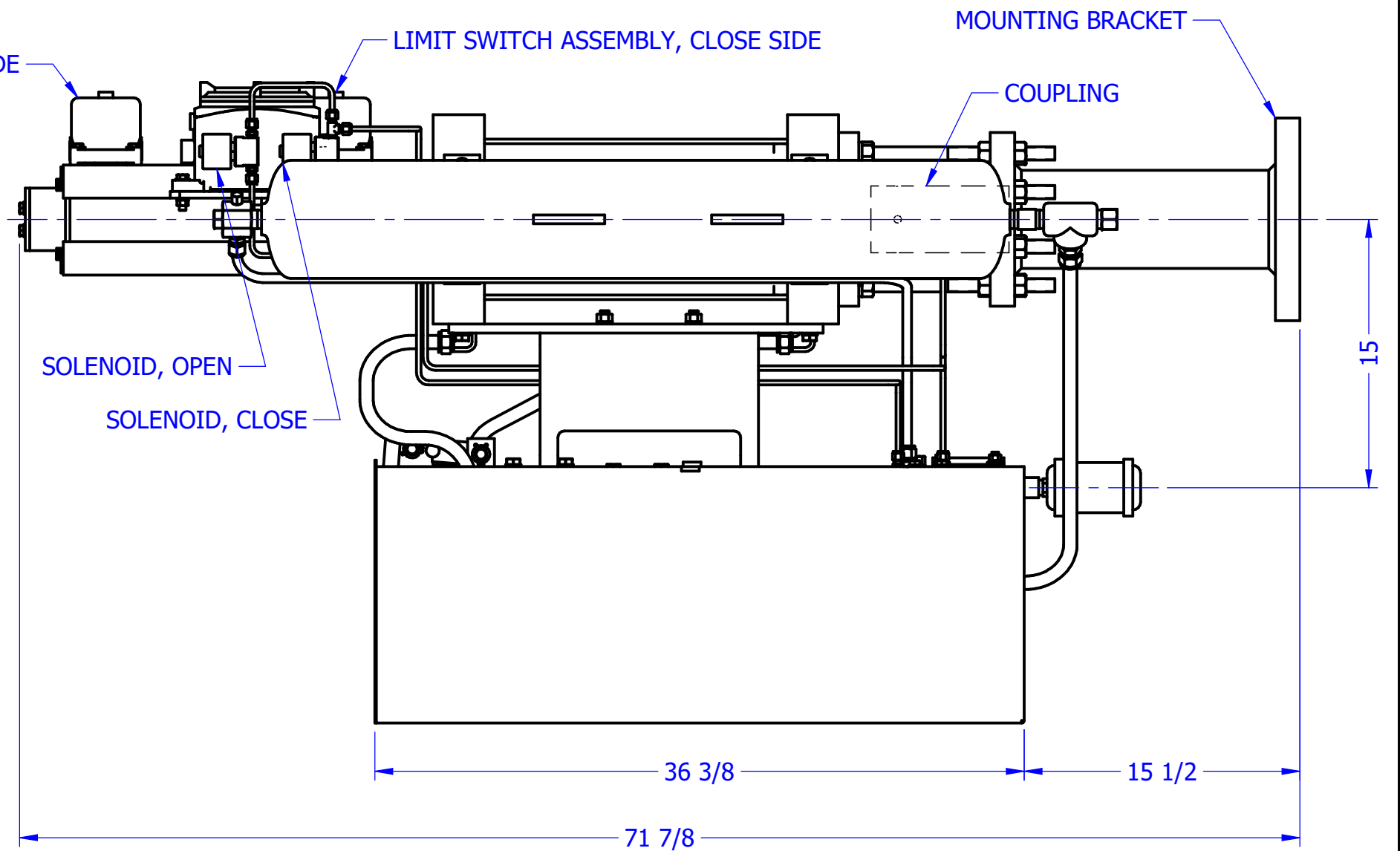
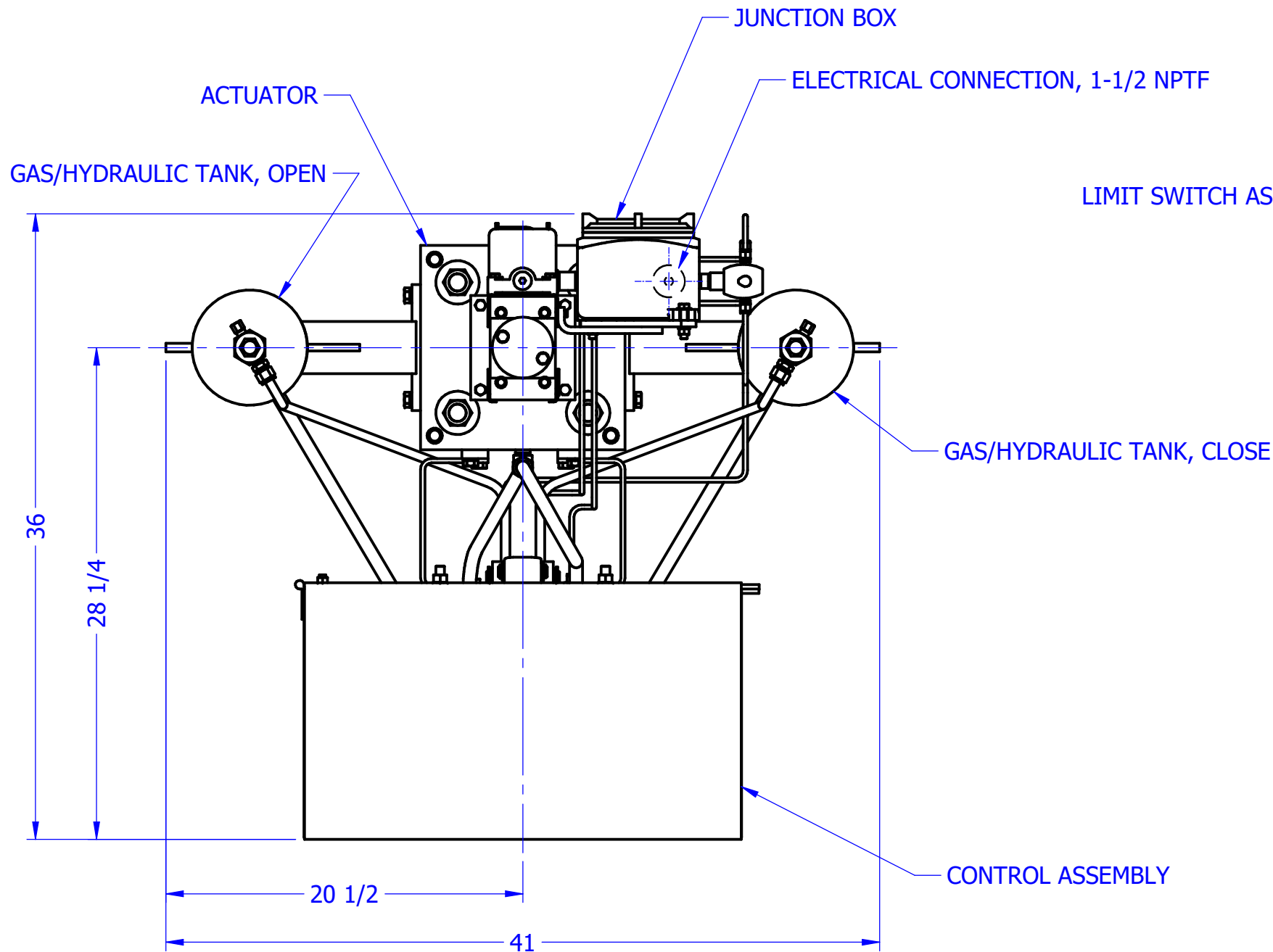
Assembly Comments:

USE PICTURE ASSEMBLY 3-81207

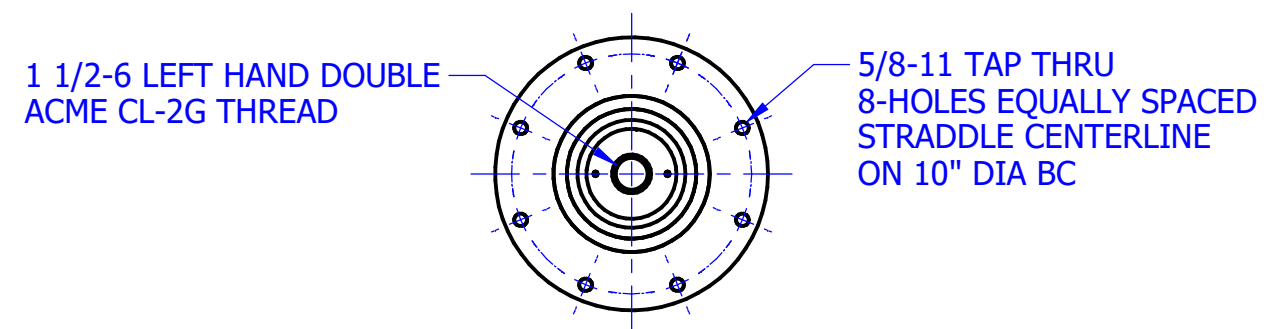
CHECKED BY: _____

APPROVED BY: _____

REVISIONS		
REV	ECN	DATE
00	RELEASE	8/7/2023



VALVE/ACTUATOR INTERFACE DIMENSIONS



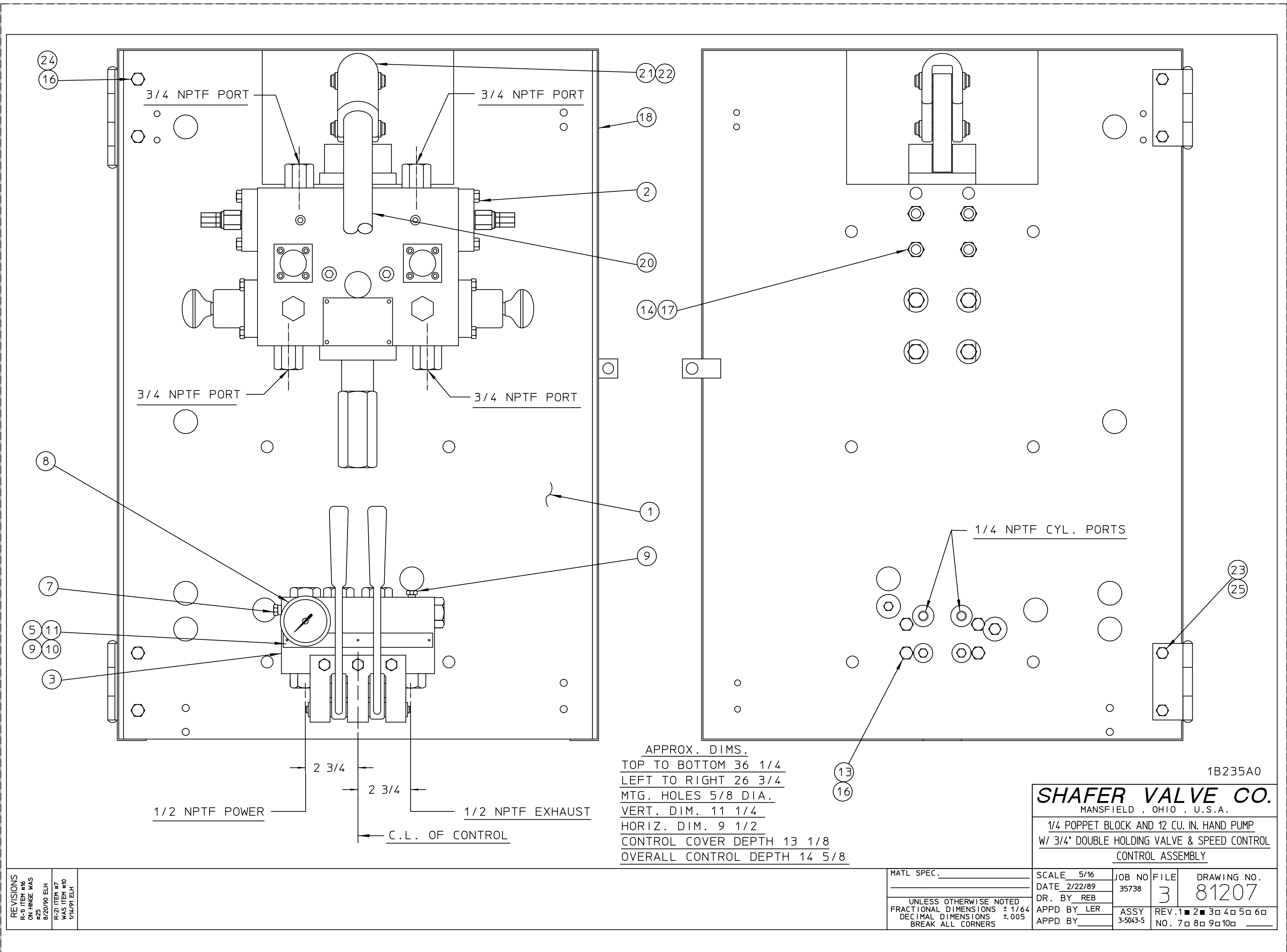
CUSTOMER: EDGEN MURRAY CORP.
P.O. # RMS 295160
SERIAL # TAG
23-1235136.1-1 GOV-FLGS-1

APPROXIMATE WEIGHT W/ OIL: 1100 LBS.

OVERALL ASSEMBLY DIMENSIONS ARE FOR REFERENCE ONLY.
TITLE BLOCK TOLERANCES DO NOT APPLY.

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TITLE: GENERAL ARRANGEMENT DRAWING LINEAR MASTER ASSEMBLY, L8-12"		 EMERSON		
INTERPRET DIMENSIONS AND TOLERANCE PER ASME Y14.5		DRAWING NO. VA-ED-011-5603		
THIRD ANGLE PROJECTION 	APPROXIMATE WEIGHT 1041.2 lbm	DRAWN BY: 	CHECKED BY: 	DATE 8/7/2023
SCALE: 1/8	DWG. SIZE C	SHEET 1 of 1	REV. 00	





61385440
61385470

Detail Sheet

Quotation Number: 12255669

Sales Order Line Number: 1235136.1

CUSTOMER INFORMATION

CUSTOMER [REDACTED]
SALES ORDER AND LINE NUMBER [REDACTED] *No Xray*
PURCHASE ORDER NUMBER [REDACTED]
CONTACT NAME [REDACTED]
QUOTATION REVISION 0
DATE ISSUED Mar 31 2023
END DESTINATION LA
STATE/PROVINCE/COUNTRY
APPROVAL DRAWINGS REQUIRED No
ENGINEER NAME [REDACTED]
GENERAL ARRANGEMENT BOM VA-ED-011-5603
WIRING DIAGRAM #2

PROJECT NAME
PROJECT MANAGER [REDACTED]
QUANTITY 1
PURCHASE ORDER LINE NUMBER 1
QUOTATION NUMBER 12255669
QUOTER SY
INFO COMPLETE Mar 31 2023
TAG NUMBER [REDACTED]
ORACLE PROMISE DATE Sep 06 2023
3rd PARTY INSPECTION NO
SPARE PARTS No
WORK ORDER 34919176
DRAWING VA-ED-011-5603
WIRING DIAGRAM #1 VAM105283

SERVICE CONDITIONS

PIPELINE OPERATING PRESS. MIN. 1100
PILOT PRESSURE #1 MIN.
SEALS COLD TEMP BUNA

PIPELINE OPERATING PRESS. MAX. 1100
PILOT PRESSURE #1 MAX.
FITTINGS SWAGELOK

VALVE DATA

MANUFACTURER M&J
VALVE SIZE 12
TOP-WORKS DRAWING SK-G-01516-Z
PIPELINE ORIENTATION HORIZONTAL

VALVE TYPE GATE VALVE
ANSI RATING ANSI 600
STEM ORIENTATION VERTICAL

ACTUATOR DATA

PRODUCT TYPE LINEAR
TEST ACTUATOR
ACTUATOR (OPR) VA-ED-011-3978

ACTUATOR SIZE L8-12
RATE ACTUATOR

MOUNTING DATA

VALVE MOUNTING KIT
COUPLING (CPL) VA105525
KEY

MOUNTING RING OR SPOOL (MTG) VA-ED-011-5653
SLEEVE (SLV)

CONTROL APPLICATION

SCHEMATIC NUMBER 5043-S

DESCRIBE CONTROL FUNCTION electric remote 2-way

ACTUATOR CONTROLS

TEST APPLICATION 2220 PSI
CONTROL ASSEMBLY VA81207-S-D-F

RATE APPLICATION 1480 PSI
HAND PUMP (HP) VA72058-F-S

23-1235136.1

HAND PUMP SIZE	12 CU IN	POPPET BLOCK (PB)	VA68117-F
SPEED CONTROL (SPC)	IN PUMP / DOUBLE HOLDING VALVE	SPEED CONTROL (SPC) QUANTITY	2
POWER GAS REGULATOR		REGULATOR (REG) QUANTITY	
POWER GAS REGULATOR (PGR)		POWER GAS REG SET POINT	
		RELIEF VALVE (REL) QUANTITY	
POWER GAS RELIEF (PGR)		POWER GAS RELIEF SET @ PSI	
PILOT GAS REGULATOR (PGR)		PILOT GAS REG SET @ (PSI)	
PILOT GAS RELIEF SET @ (PSI)		PILOT GAS RELIEF (PGR)	
EMERGENCY SHUTDOWN VALVE #1 FAIL POSITION		EMERGENCY SHUTDOWN VALVE #1 (ESD)	
EMERGENCY SHUTDOWN VALVE #2 FAIL POSITION		EMERGENCY SHUTDOWN VALVE #_2 (ESD)	
		LIMIT VALVE #1 (LV)	
		LIMIT VALVE #1 (LV) FAIL POSITION	
LIMIT VALVE #2 (LV)		LIMIT VALVE #2 (LV) FAIL POSITION	
LIMIT VALVE #3 (LV)		LIMIT VALVE #3 (LV) FAIL POSITION	
LIMIT VALVE #4 (LV)		LIMIT VALVE #4 (LV) FAIL POSITION	
AIR RELAY VALVE #1 (ARV)		AIR RELAY VALVE #1 FUNCTION	
AIR RELAY VALVE #1 TYPE (ARV TYPE)		AIR RELAY VALVE #1 SET @ (PSI)	
AIR RELAY VALVE #2 (ARV)		AIR RELAY VALVE #2 FUNCTION	
AIR RELAY VALVE #2 TYPE (ARV TYPE)		AIR RELAY VALVE #2 SET @ (PSI)	
AIR RELAY VALVE #3 (ARV)		AIR RELAY VALVE #3 FUNCTION	
AIR RELAY VALVE #3 TYPE (ARV TYPE)		AIR RELAY VALVE #3 SET @ (PSI)	
SEQUENCING VALVE (SV)		SEQUENCING VALVE (SV) FAIL POSITION	
PRESSURE VESSELS			
GAS HYDRAULIC TANK (GHT)	VA111175-138	HYDROSTATIC TEST GHT (ASME)	
RADIOGRAPHY REQUIRED GHT		NACE REQUIRED GHT	
CANADIAN REGISTRATION NUMBER (CRN) GHT		RATE PRESSURE VESSEL	
		CANADIAN REGISTRATION NUMBER (CRN) NEW OR EXISTING GHT	
POWER STORAGE TANK (PST)		HYDROSTATIC TEST PRESSURE PST (ASME)	

RADIOGRAPHY REQUIRED
PST

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING PST

HYDROSTATIC TEST RATE
TANK (ASME) ROD

NACE REQUIRED ROD

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING ROD

RADIOGRAPHY REQUIRED
TIMING TANK

CANADIAN REGISTRATION
NUMBER (CRN) TIMING
TANK

RESERVOIR TANK

RADIOGRAPHY REQUIRED
RESERVOIR TANK

CANADIAN REGISTRATION
NUMBER (CRN) RESERVOIR
TANK

ACCUMULATOR

RADIOGRAPHY REQUIRED
ACCUMULATOR

CANADIAN REGISTRATION
NUMBER (CRN)
ACCUMULATOR

NITROGEN TANK

RADIOGRAPHY REQUIRED
NITROGEN TANK

CANADIAN REGISTRATION
NUMBER (CRN) NITROGEN
TANK

LIMIT SWITCH DATA

LIMIT SWITCH QUANTITY 4

BEACON

SOLENOID VALVE DATA

SOLENOID -1 (SOL) VA-ED-001-2300

SOLENOID -2 (SOL)

SOLENOID -3 (SOL)

SOLENOID -4 (SOL)

NACE REQUIRED PST

CANADIAN REGISTRATION
NUMBER (CRN) PST

PST RELIEF

PST RELIEF SET @ (PSI)

RATE OF DROP TANK (ROD)

RADIOGRAPHY REQUIRED
ROD

CANADIAN REGISTRATION
NUMBER (CRN) ROD

TIMING TANK

HYDROSTATIC TEST RATE
TIMING TANK (ASME)

NACE REQUIRED TIMING
TANK

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING TIMING TANK

HYDROSTATIC TEST RATE
RESERVOIR TANK (ASME)

NACE REQUIRED
RESERVOIR TANK

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING RESERVOIR TANK

HYDROSTATIC TEST RATE
ACCUMULATOR (ASME)

NACE REQUIRED
ACCUMULATOR

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING ACCUMULATOR

HYDROSTATIC TEST RATE
NITROGEN TANK (ASME)

NACE REQUIRED NITROGEN
TANK

CANADIAN REGISTRATION
NUMBER (CRN) NEW OR
EXISTING NITROGEN TANK

LIMIT SWITCH (LSW) VA16CX2

SOLENOID -1 (SOL)
QUANTITY 2

SOLENOID -2 (SOL)
QUANTITY

SOLENOID -3 (SOL)
QUANTITY

SOLENOID -4 (SOL)	
QUANTITY	
JUNCTION BOX DATA	
TERMINAL BOX (TBX)	VA116305
HEATER IN TERMINAL BOX (HTR IN TB)	
TERMINAL BOX BREATHER	
PRESS SWITCH DATA	
PRESSURE SWITCH -1 (PSV)	PRESSURE SWITCH - 1 SET POINT
PRESSURE SWITCH -2 (PSV)	PRESSURE SWITCH - 2 SET POINT
PRESSURE SWITCH -3 (PSV)	PRESSURE SWITCH - 3 SET POINT
EHO	
DOMESTIC OR EXPORT SHIPMENT (EHO ONLY)	TRANSPORTATION REQUESTED (EHO ONLY)
SPECIAL ITEMS (EHO)	ACTUATOR TO PIPELINE ORIENTATION (EHO ONLY)
SPECIAL ITEMS	
SPECIAL ITEMS ENTERED BY ENGINEER	(1) VAP05/1500/SS/EC
STANDARD PROTECTIVE COATING SYSTEMS	
FORMAT SYSTEM PAINT MANUFACTURER FIRST COAT SECOND COAT THIRD COAT DRY FILM THICKNESS	6 AMERON INTERNATIONAL AMERCOAT 385 MULTI- PURPOSE EPOXY PRIMER AMERCOAT 385 MULTI- PURPOSE EPOXY COATING AMERCOAT 450 GLOSSY ALIPHATIC POLYURETHANE 8 MILS (203 UM)
TOP COAT COLOR RAL	
TOP COAT COLOR OTHER FSC 17875 WHITE	
TOP COAT COLOR SPECIFY OTHER COLOR SYSTEM	
ACCESSORY NOTES	
ACCESSORY NOTES	(8) VAHHCS 5/8-11X3-1/2 G5 / HEX HEAD CAP SCREW (8) VALW 5/8 / LOCKWASHER
NOTES	
THERMAL RELIEFS SET @ 1250 PSI USE 3/4" TUBING ACTUATOR VOLUME: 662 CU IN VALVE STROKE: 13-1/2 VALVE STEM THREAD: 1 1/2-6 LHD VALVE FLANGE DIMENSIONS: (8) 3/4" DIA HOLES STRADDLE CENTERLINE ON 10" DIA BOLT CIRCLE	