

8

7

6

5

4

3

2

1

THE DESIGNS AND DATA DEPICTED HEREIN ARE PROPRIETARY TO NAMMO DEFENSE SYSTEMS, INC. NAMMO DEFENSE SYSTEMS, INC. RESERVES THE SOLE RIGHT OF MANUFACTURE AND USE OF THE DATA HEREIN. NO DISCLOSURE, REPRODUCTION, OR USE OF THE DESIGNS OR TECHNICAL DATA DEPICTED HEREIN IS TO BE MADE WITHOUT THE EXPRESS WRITTEN CONSENT OF NAMMO DEFENSE SYSTEMS, INC. ACCEPTANCE OF THIS DRAWING OR DOCUMENT CONSTITUTES ACCEPTANCE OF THE FOREGOING STATEMENT, UNLESS OTHERWISE EXPRESSLY AGREED TO IN WRITING BY NAMMO DEFENSE SYSTEMS, INC.

THE INFORMATION CONTAINED IN THIS DOCUMENT MAY BE SUBJECT TO U.S. EXPORT CONTROLS LAWS AND REGULATIONS, INCLUDING THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS, 22 CFR PART 120 ET SEQ. ANY REDISTRIBUTION, RETRANSFER, OR RE-EXPORT OF THIS INFORMATION CONTRARY TO U.S. EXPORT CONTROL REGULATIONS IS PROHIBITED.

THE "CONTROLLED COPY" OF THIS DOCUMENT IS MAINTAINED ON THE NAMMO DEFENSE SYSTEMS DOCUMENT CONTROL PORTAL. PRINTED COPIES ARE CONSIDERED TO BE "UNCONTROLLED COPIES" AND ARE FOR REFERENCE ONLY. USERS ARE REQUIRED TO VALIDATE THE REVISION OF "UNCONTROLLED COPIES" PRIOR TO USE.

REVISION HISTORY

REV	DESCRIPTION	DATE	APVD
A	INITIAL RELEASE IAW CN-		

NOTES: UNLESS OTHERWISE SPECIFIED

1.

PLACE-HOLDER FOR THE ACTUAL PNEUMATICS

	DESCRIPTION	PART#	MFG/SOURCE	QTY
P1	Manual Air Shutoff Valve - 1/4" NPT	ARV-22	AUTOMATIONDIRECT	1
P2	Filter/Regulator Combo - 1/2" NPT	AFR-2233-D	AUTOMATIONDIRECT	1
P3	Soft Start / Dump Valve / 1/2" NPT	ASD22-24-D	AUTOMATIONDIRECT	1
P4	Modular Assy. U-Bracket / 1/2" NPT	AB-2U	AUTOMATIONDIRECT	2
P5	Modular Assy. T-Bracket / 1/2" NPT	AB-2T	AUTOMATIONDIRECT	2
P6	Modular Sol. Valve 5Way/3Pos-N.C 1/2"	SYC3300-SUI	SMC	6
P7	Modular Valve Manifold 8-pos / 1/2" NPT	BVM-3825	AUTOMATIONDIRECT	1
P8	Flow-Control Valve -90Deg-1/8"NPT	FSV532-18N	AUTOMATIONDIRECT	4
P9	Exhaust Silencer - Bronze 1/2"	SBC-14N	AUTOMATIONDIRECT	2
P10	Air Cyl. Position Switch (3 wire PnP)	CDULS20-15D	SMC	12

CONFIG

PARTS LIST

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED TOLERANCES  
XX = ± .015    XXX = ± .005  
XXXX = ± .0005    X' = ± 0.5"

INTERPRET DWG IAW  
MIL-DTL-31000, DIM AND TOL  
IAW ANSI Y14.5 M-1982

DO NOT SCALE PRINT

CONTRACT NO.

--

APPROVALS

DATE

DESIGNED

CHECKED

APPROVED

APPROVED

Nammo Defense Systems, Inc.

TITLE

LFO Pressure Test Stand Electrical Schematics

SIZE

CAGE CODE

DRAWING NO

REV

D

12116

E-1025240

A

SCALE: 1:1

WEIGHT: Error: No reference

SHEET 1 OF 6

D

C

B

A

D

C

B

A

8

7

6

5

4

3

2

1

8

7

6

5

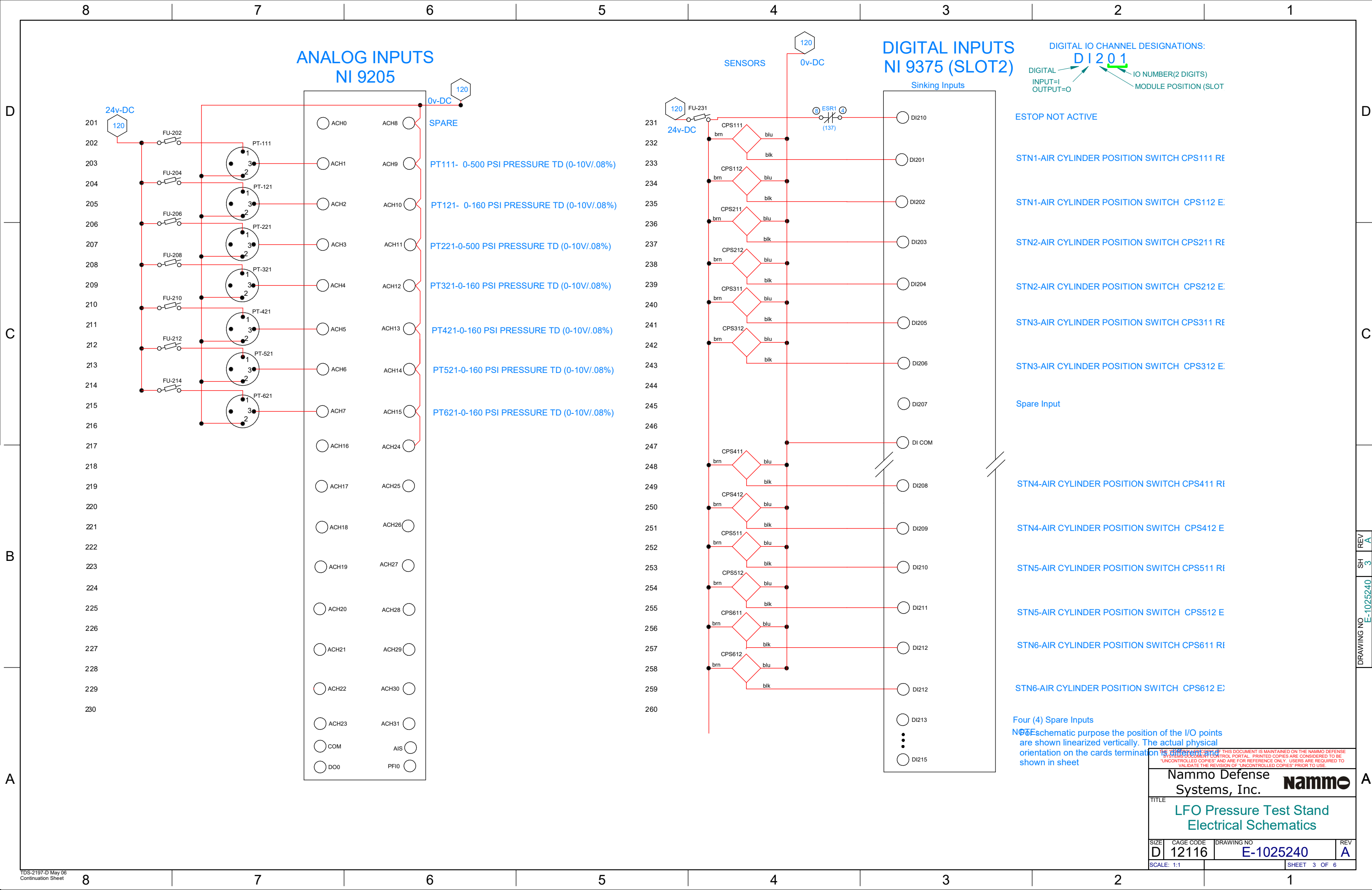
4

3

2

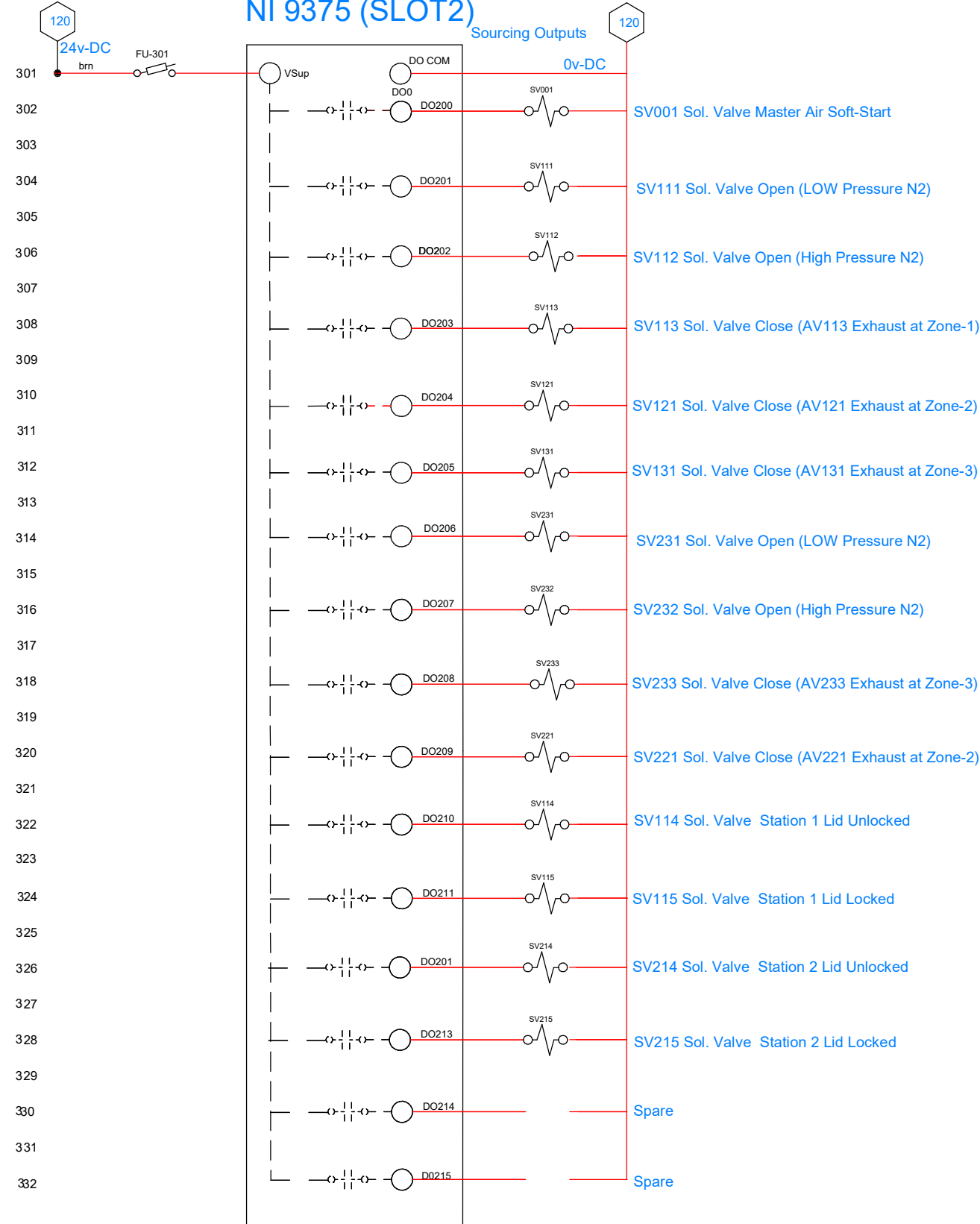
1





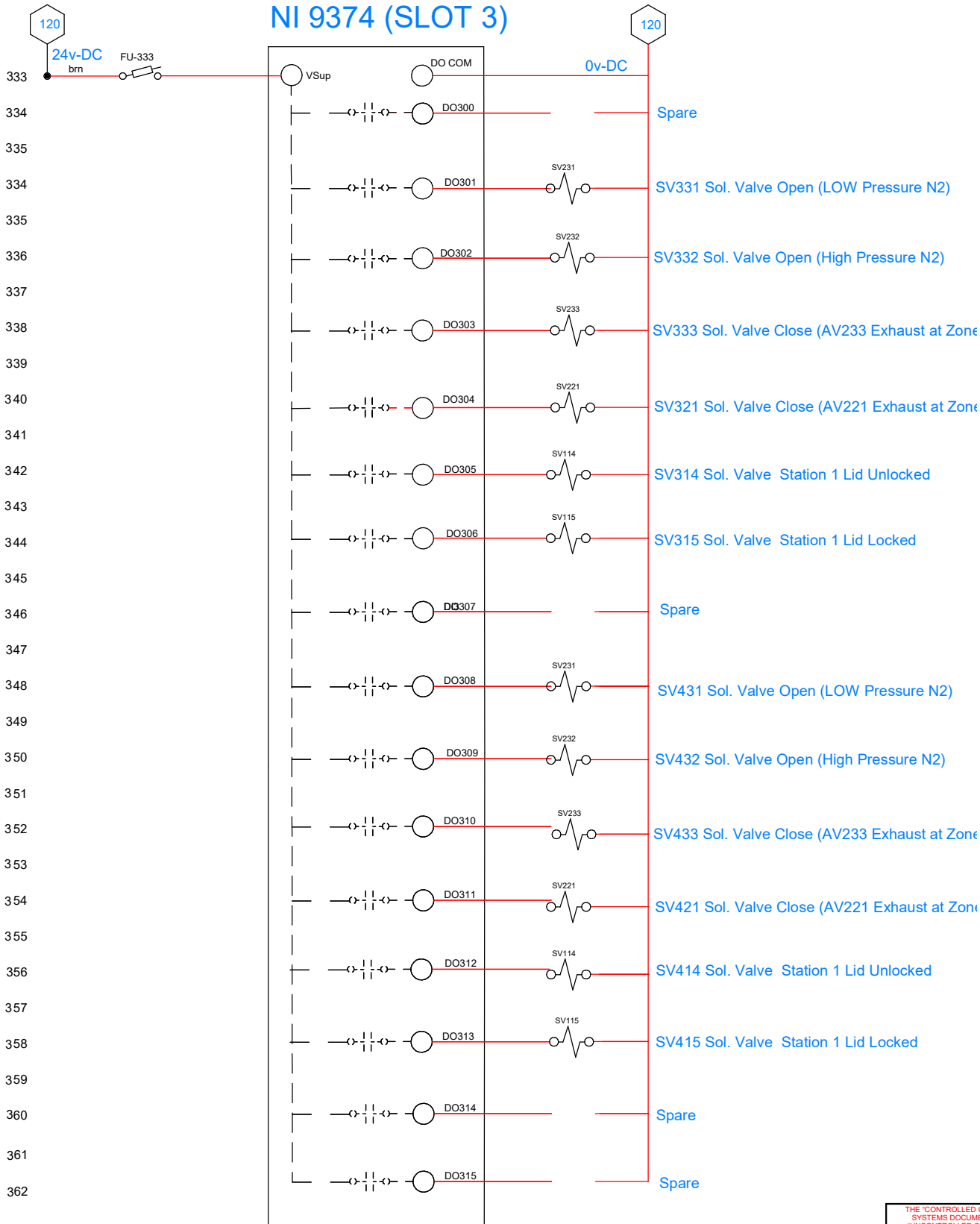
DIGITAL OUTPUTS  
NI 9375 (SLOT2)


Sourcing Outputs

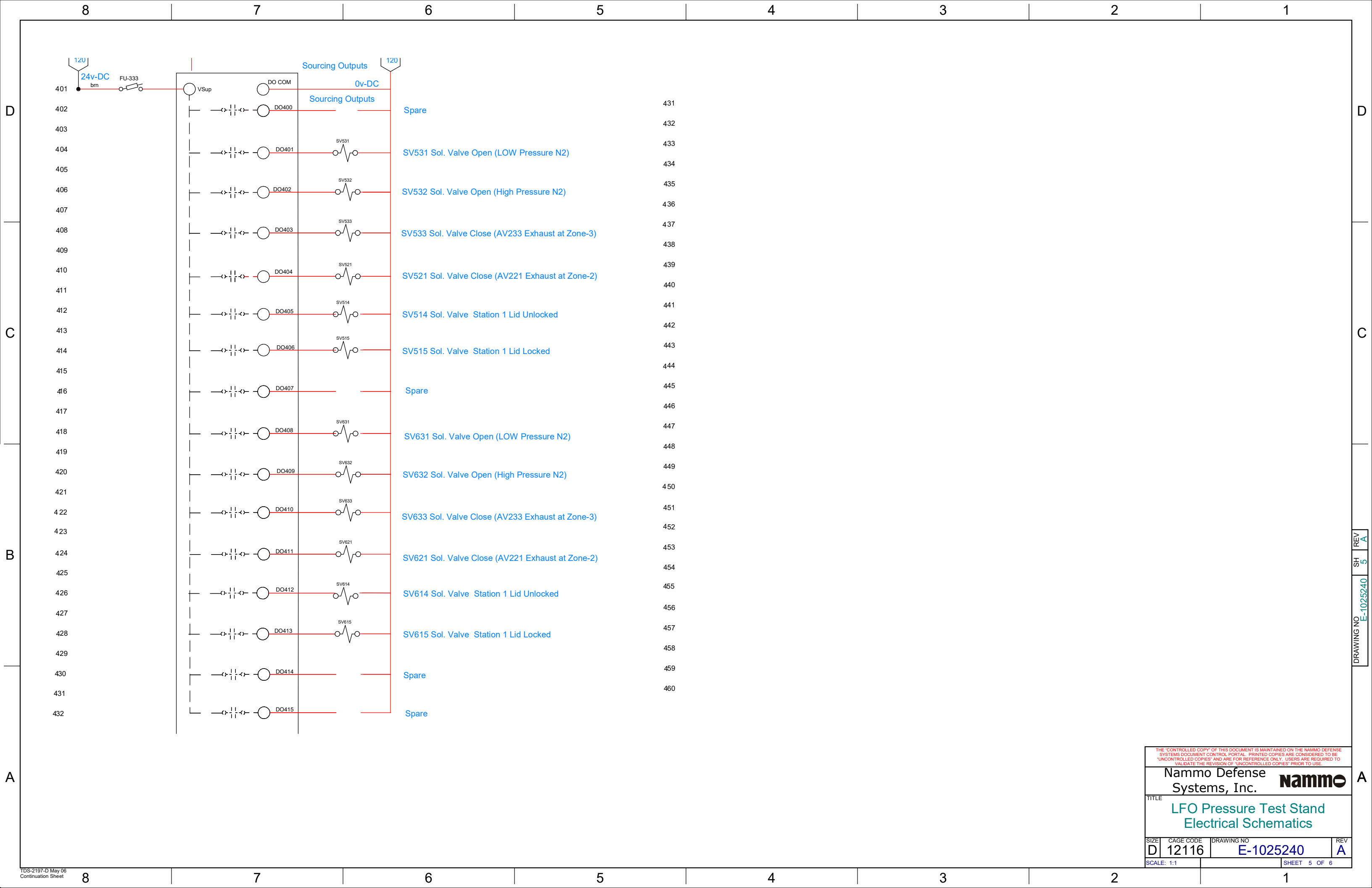


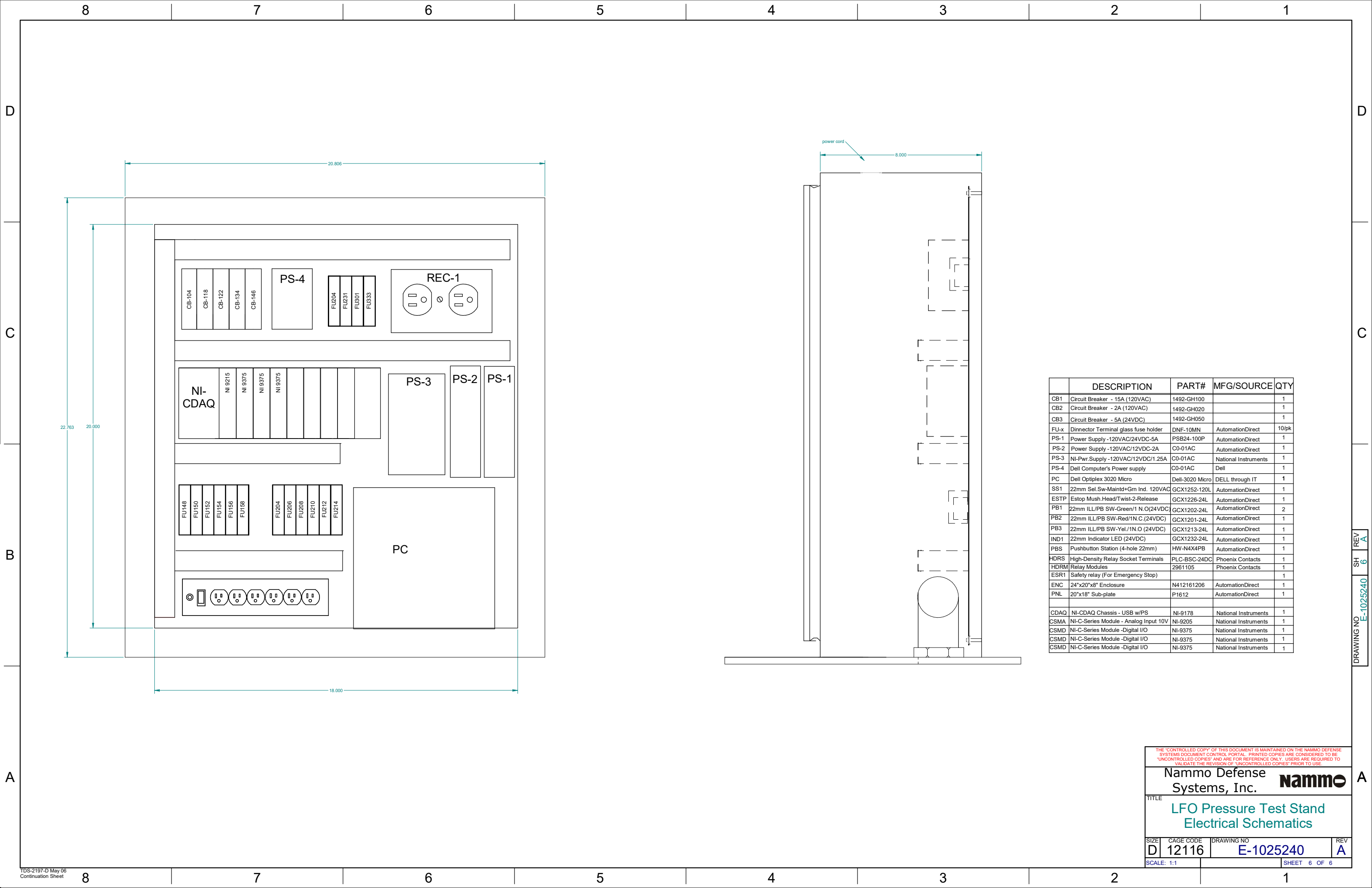
DIGITAL OUTPUTS  
NI 9374 (SLOT 3)

Sourcing Outputs



THE "CONTROLLED COPY" OF THIS DOCUMENT IS MAINTAINED ON THE NAMMO DEFENSE SYSTEMS DOCUMENT CONTROL PORTAL. PRINTED COPIES ARE CONSIDERED TO BE UNCONTROLLED COPIES" AND ARE FOR REFERENCE ONLY. USERS ARE REQUIRED TO VALIDATE THE REVISION OF "UNCONTROLLED COPIES" PRIOR TO USE.			
Nammo Defense Systems, Inc.			
TITLE			
LFO Pressure Test Stand Electrical Schematics			
SIZE	CAGE CODE	DRAWING NO	REV
D	121116	E-1025240	A
SCALE: 1:1		SHEET 4 OF 6	





	DESCRIPTION	PART#	MFG/SOURCE	QTY
CB1	Circuit Breaker - 15A (120VAC)	1492-GH100		1
CB2	Circuit Breaker - 2A (120VAC)	1492-GH020		1
CB3	Circuit Breaker - 5A (24VDC)	1492-GH050		1
FU-x	Dinnector Terminal glass fuse holder	DNF-10MN	AutomationDirect	10/pk
PS-1	Power Supply -120VAC/24VDC-5A	PSB24-100P	AutomationDirect	1
PS-2	Power Supply -120VAC/12VDC-2A	C0-01AC	AutomationDirect	1
PS-3	NI-Pwr.Supply -120VAC/12VDC/1.25A	C0-01AC	National Instruments	1
PS-4	Dell Computer's Power supply	C0-01AC	Dell	1
PC	Dell Optiplex 3020 Micro	Dell-3020 Micro	DELL through IT	1
SS1	22mm Sel.Sw-Maintd+Grn Ind. 120VAC	GCX1252-120L	AutomationDirect	1
ESTP	Estop Mush.Head/Twist-2-Release	GCX1226-24L	AutomationDirect	1
PB1	22mm ILL/PB SW-Green/1 N.O.(24VDC)	GCX1202-24L	AutomationDirect	2
PB2	22mm ILL/PB SW-Red/1N.C.(24VDC)	GCX1201-24L	AutomationDirect	1
PB3	22mm ILL/PB SW-Yel./1N.O (24VDC)	GCX1213-24L	AutomationDirect	1
IND1	22mm Indicator LED (24VDC)	GCX1232-24L	AutomationDirect	1
PBS	Pushbutton Station (4-hole 22mm)	HW-N4X4PB	AutomationDirect	1
HDRS	High-Density Relay Socket Terminals	PLC-BSC-24DC	Phoenix Contacts	1
HDRM	Relay Modules	2961105	Phoenix Contacts	1
ESR1	Safety relay (For Emergency Stop)			1
ENC	24"x20"x8" Enclosure	N412161206	AutomationDirect	1
PNL	20"x18" Sub-plate	P1612	AutomationDirect	1
CDAQ	NI-CDAQ Chassis - USB w/PS	NI-9178	National Instruments	1
CSMA	NI-C-Series Module - Analog Input 10V	NI-9205	National Instruments	1
CSMD	NI-C-Series Module -Digital I/O	NI-9375	National Instruments	1
CSMD	NI-C-Series Module -Digital I/O	NI-9375	National Instruments	1
CSMD	NI-C-Series Module -Digital I/O	NI-9375	National Instruments	1

THE "CONTROLLED COPY" OF THIS DOCUMENT IS MAINTAINED ON THE NAMMO DEFENSE SYSTEMS DOCUMENT CONTROL PORTAL. PRINTED COPIES ARE CONSIDERED TO BE "UNCONTROLLED COPIES" AND ARE FOR REFERENCE ONLY. USERS ARE REQUIRED TO VALIDATE THE REVISION OF "UNCONTROLLED COPIES" PRIOR TO USE.

Nammo Defense Systems, Inc.

TITLE

LFO Pressure Test Stand Electrical Schematics

SIZE	CAGE CODE	DRAWING NO	REV
D	12116	E-1025240	A

SCALE: 1:1	SHEET 6 OF 6
------------	--------------