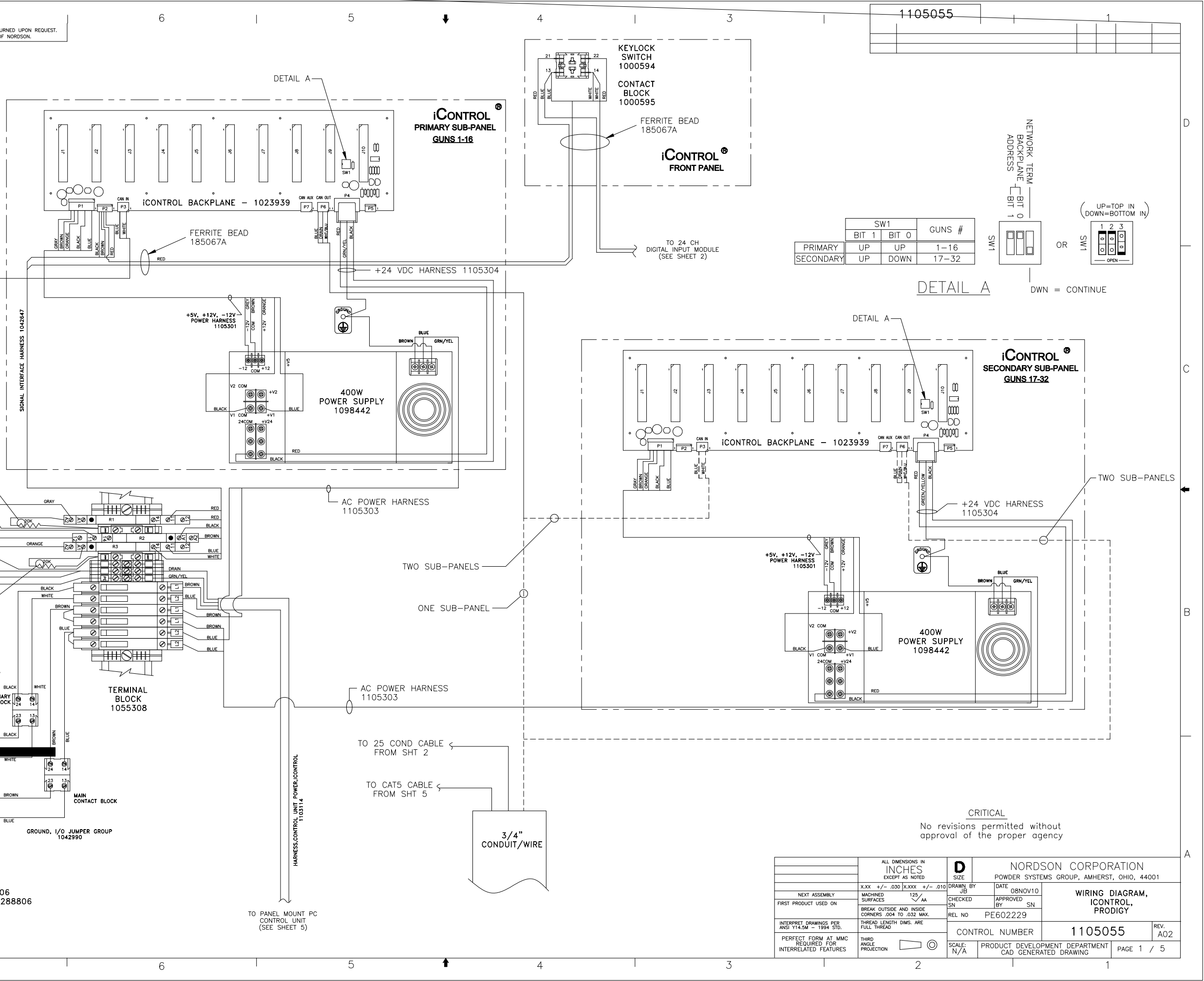


NOTICE THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.

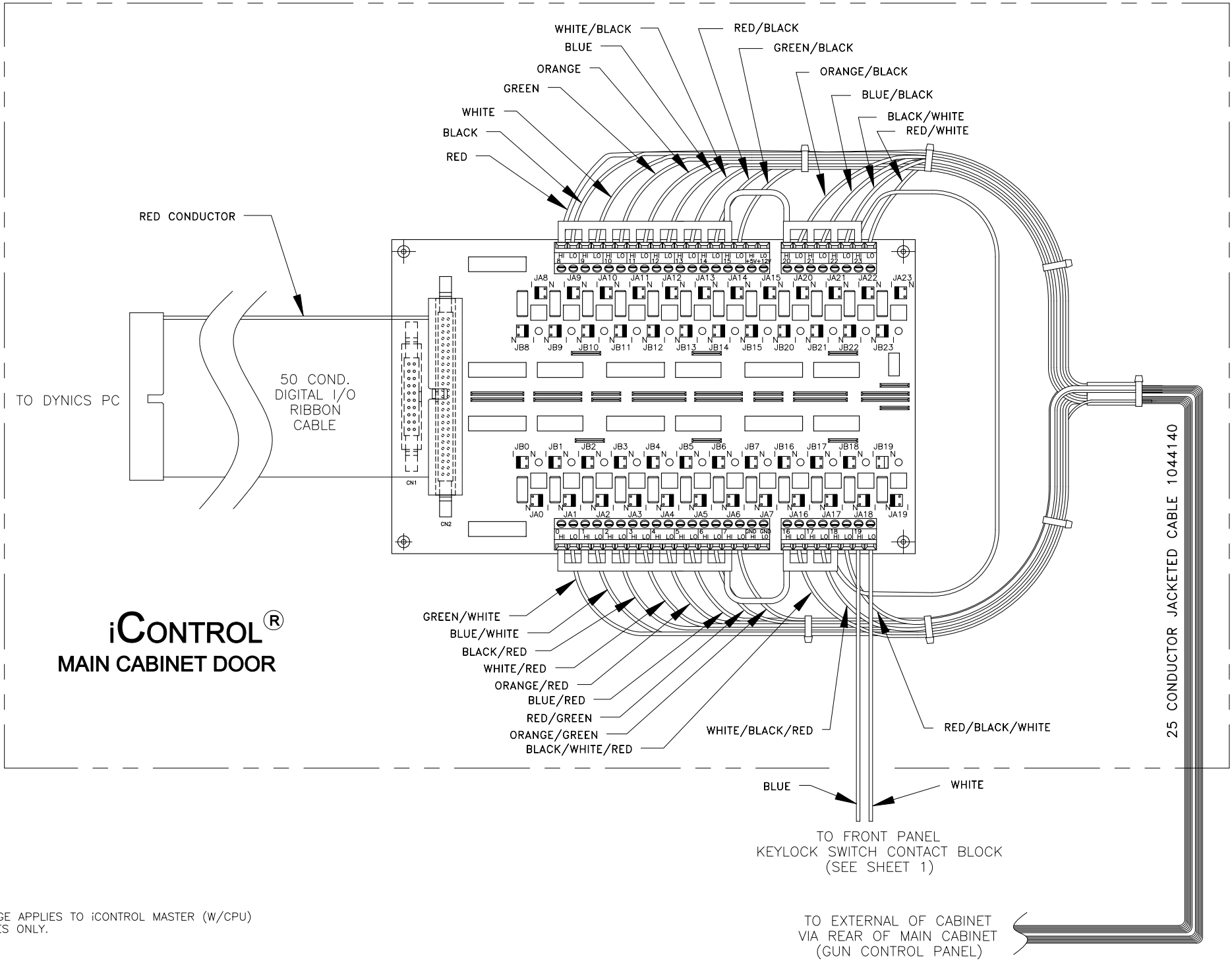
CONDUIT WIRING TO RELAYS AND RESISTORS				
CONNECTION OF:	CONDUIT WIRE/COLOR	RESISTOR	CONNECTION TO:	REMARKS
	GRAY		RELAY-TERMINAL NO.	TERMINAL BLOCK
	GRAY		R1 - A2	240V (next to R1)
	GRAY	RES1	R1 - A1	240V (next to R1)
	YELLOW	RES1	R2 - 11	240V (next to R1)
	YELLOW		R2 - 12	
	YELLOW		R2 - 14	
	ORANGE		R3 - A2	240V (next to R3)
	RED	RES2	R3 - A1	240V (next to R3)
	GREEN/YEL	RES2		PE

NOTES:
1.) THIS GRAY WIRE AND 1 LEAD OF RES1 ARE BOTH TERMINATED AT THE "240V" TERMINAL ADJACENT TO R1.
2.) RED WIRE AND 1 LEAD OF RES2 ARE BOTH TERMINATED AT THE "240V" TERMINAL ADJACENT TO R3.



ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D		NORDSON CORPORATION	
X.XX +/- .030 X.XXX +/- .010		DRAWN BY		POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
MACHINED SURFACES		DATE		08NOV10	
FIRST PRODUCT USED ON		CHECKED BY		APPROVED BY	
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO		PE602229	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THIRD ANGLE PROJECTION		CONTROL NUMBER	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		SCALE: N/A		1105055	
				PRODUCT DEVELOPMENT DEPARTMENT	
				CAD GENERATED DRAWING	
				PAGE 1 / 5	

24 CH OPTO ISOLATED
DIGITAL INPUT MODULE
ASSEMBLY
1105053



iCONTROL DISCRETE INPUT CABLE COLOR CODE ASSIGNMENTS

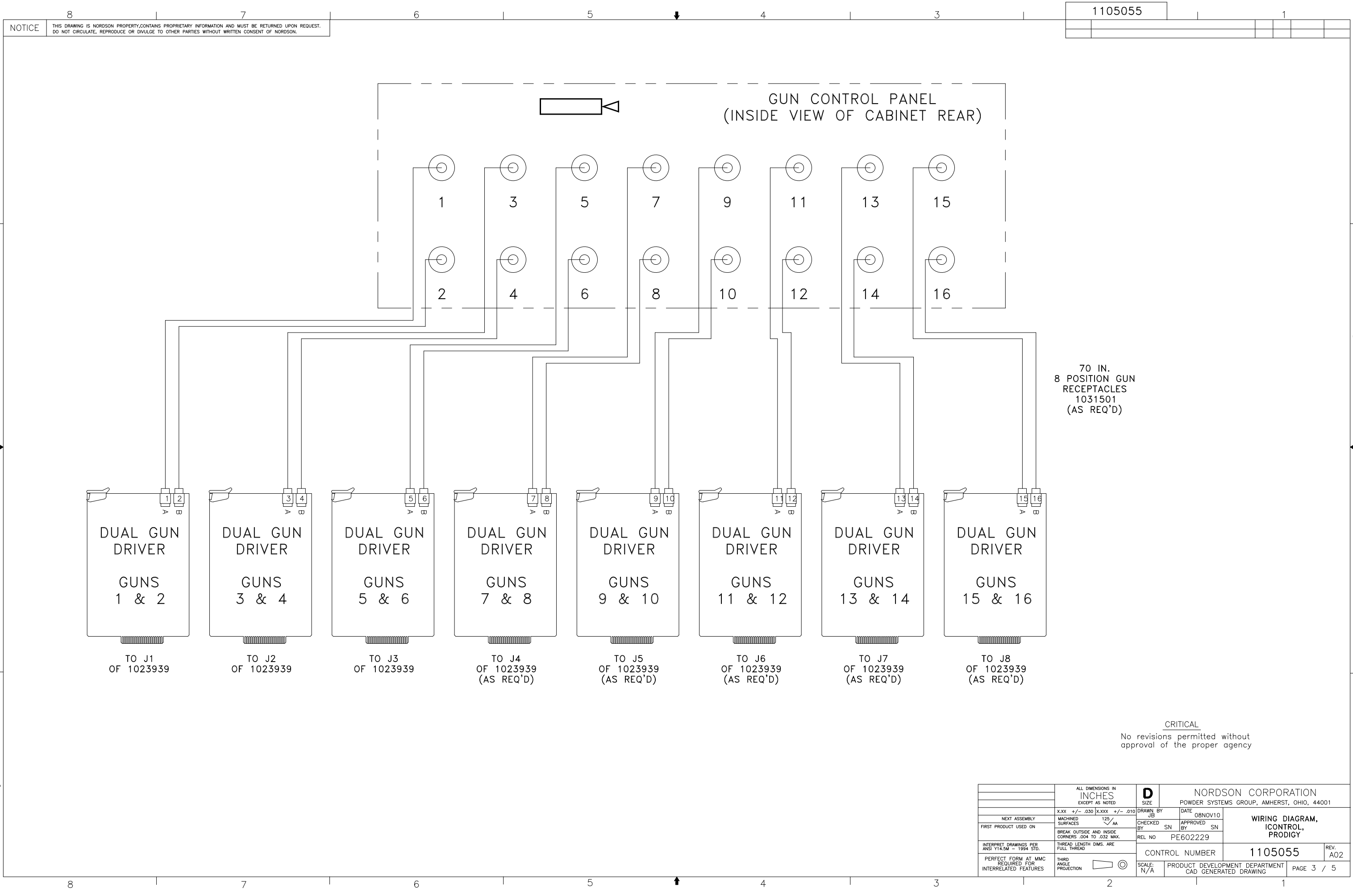
CABLE COLOR	INPUT BOARD TERMINAL	FIELD TERMINAL NUMBER	FUNCTION
BLK	8 LO	1	ZONE 1
WHT	9 LO	2	ZONE 2
GRN	10 LO	3	ZONE 3
ORG	11 LO	4	ZONE 4
BLU	12 LO	5	ZONE 5
WHT/BLK	13 LO	6	ZONE 6
RED/BLK	14 LO	7	ZONE 7
GRN/BLK	15 LO	8	ZONE 8
ORG/BLK	20 LO	9	PART ID bit 1
BLU/BLK	21 LO	10	PART ID bit 2
BLK/WHT	22 LO	11	PART ID bit 3
RED/WHT	23 LO	12	PART ID bit 4
GRN/WHT	0 LO	13	PART ID bit 5
BLU/WHT	1 LO	14	PART ID bit 6
BLK/RED	2 LO	15	PART ID bit 7
WHT/RED	3 LO	16	PART ID bit 8
ORG/RED	4 LO	17	SPARE
BLU/RED	5 LO	18	SPARE
RED/GRN	6 LO	19	SPARE
ORG/GRN	7 LO	20	ENCODER A
BLK/WHT/RED	16 LO	21	ENCODER B
WHT/BLK/RED	17 LO	22	SPARE
RED/BLK/WHT	18 LO	23	SPARE
GRN/BLK/WHT	N/C	---	---
BLUE from FRONT PANEL	19 HI	--	CONVEYOR I-LOCK
WHITE from FRONT PANEL	19 LO	--	CONVEYOR I-LOCK
RED	8 HI	(+)	VDC

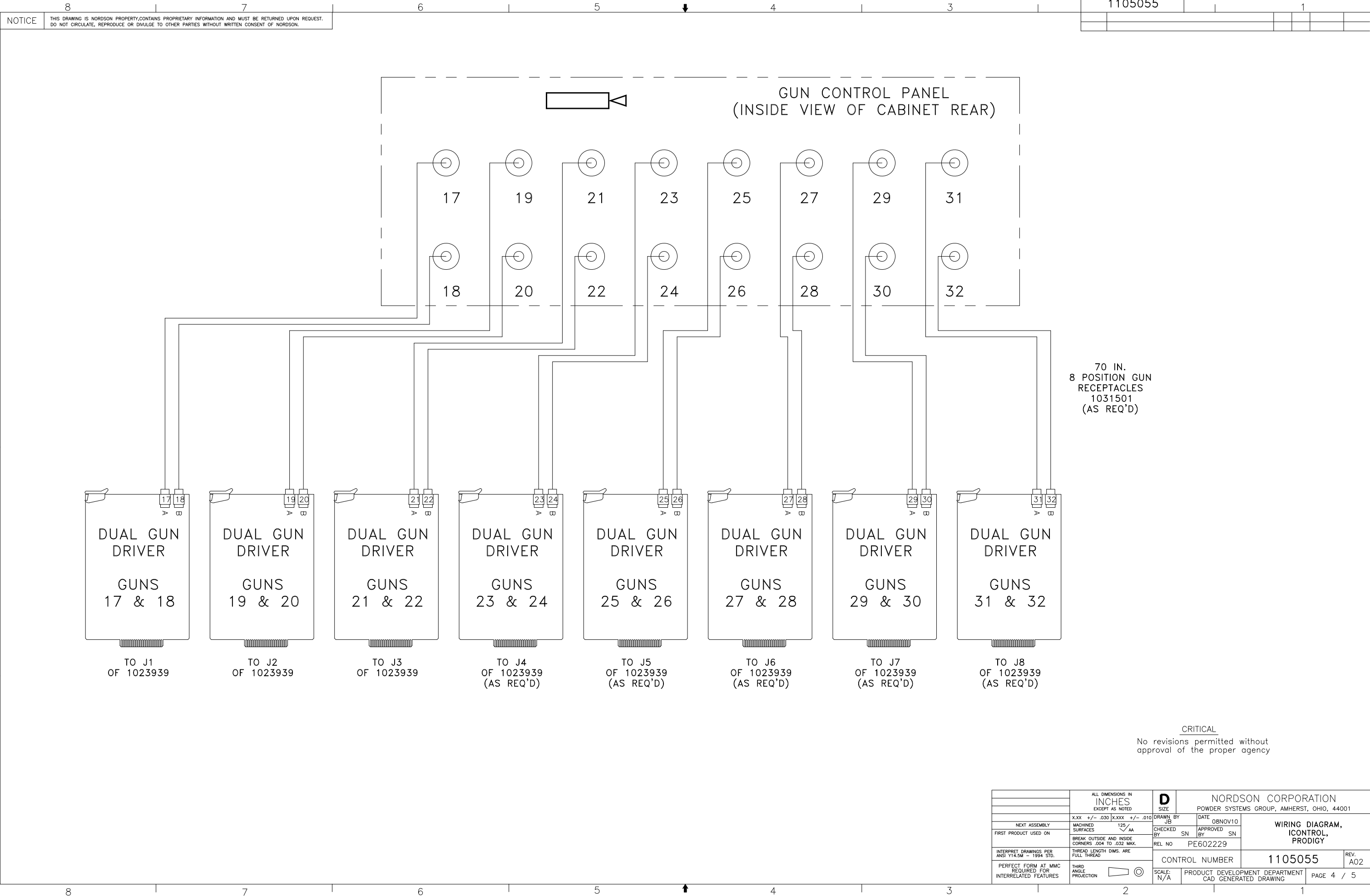
CRITICAL

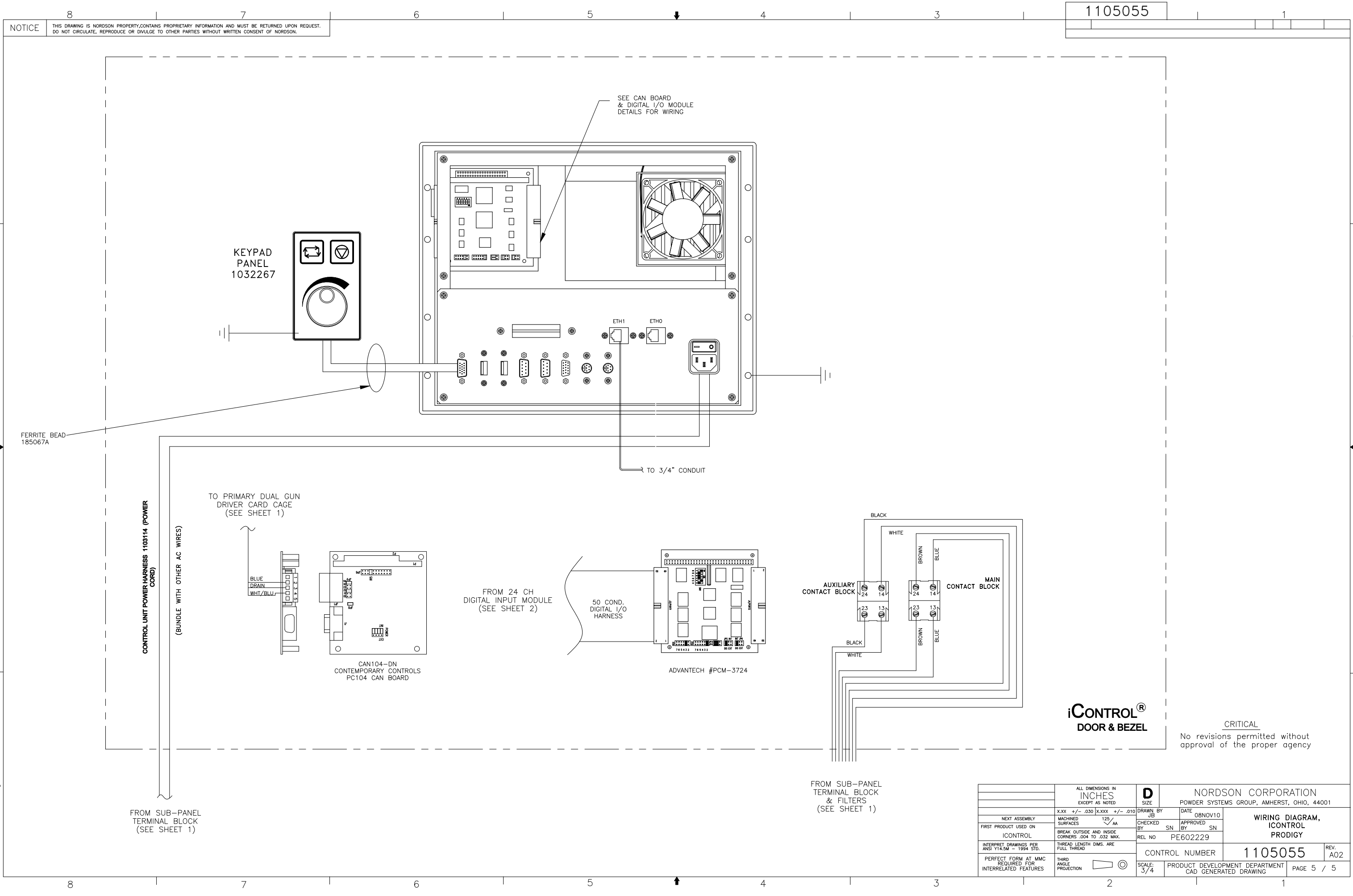
No revisions permitted without approval of the proper agency

NOTES:
1.) THIS PAGE APPLIES TO iCONTROL MASTER (W/CPU) CONSOLES ONLY.

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY	X.XX +/- .030 X.XXX +/- .010	DRAWN BY JB	DATE 08NOV10	WIRING DIAGRAM, iCONTROL, PRODIGY
FIRST PRODUCT USED ON	MACHINED SURFACES 125/AA	CHECKED BY SN	APPROVED BY SN	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX. FULL THREAD	REL NO PE602229	CONTROL NUMBER 1105055	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	SCALE N/A	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	REV. A02 PAGE 2 / 5







	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED	D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001
NEXT ASSEMBLY	X.XX +/- .030 X.XXX +/- .010	DRAWN BY JB	DATE 08NOV10
FIRST PRODUCT USED ON iCONTROL	MACHINED SURFACES 125/AA BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX. THREAD LENGTH DIMS. ARE FULL THREAD	CHECKED BY SN	APPROVED BY SN
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		REL NO PE602229	CONTROL NUMBER 1105055
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	SCALE 3/4	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING
			REV. A02
			PAGE 5 / 5

NOTICE					
THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.					
ITEM	DESIGNATION	MFG PART NO.	DESCRIPTION	QTY	MFG
[ASSEMBLY BOM]					
0	X		REF DWG ASSY, JUNCTION BOX, PHOTO-EYE, 30W	1	1082005
1	X	832R8	ENCLOSURE, CONT HING, 14X12X6, W/ KNOCKOUTS	1	HOFFMAN
2	X	A-14P12	PANEL, 12.75 X 10.88, FOR 14X12 ENCLOSURE	1	HOFFMAN
3	X	0514500000	TRACCY, DIN, RAIL, SLOT, 35X2M-L6	.6M	WEIDMULLER, INC
4	X	F1X3LG6	WIREDUCT, 1 X 3, PVC, GRAY, SLOTTED	1	PANDUIT
5	X	C1LG6	COVER, 1	2	PANDUIT
6	X		SCR, HEX, SELF TAP, 10-32X .500, Z	12	981137
7	X		WASHER, LK, EXT, #10, STL, ZN	6	983124
8	X	1492-J4	TERMINAL BLOCK, GRAY, IEC, 22-10 AWG, J4	24	ALLEN BRADLEY
9	X	1492-JG4	TERMINAL BLK, GND, GRN/YEL, 30-12 AWG, JG4	3	ALLEN BRADLEY
10	X	1492-EBJ3	BARRIER, TCACCY, END, DIN, GRAY, J SERIES	1	ALLEN BRADLEY
11	X	1492-EAJ35	ANCHOR, END	2	ALLEN BRADLEY
12	X	SPD24301	POWER SUPPLY, DIN RAIL, MT, 30W, 24-28VDC	1	CARLO GAVAZZI, INC
13	X	1492-H6	FUSE HOLDER, DIN RAIL, 1/4" X 1-1/4 FUSES	1	ALLEN BRADLEY
14	X	1492-N37	END, PLATE, AB FUSE	1	ALLEN BRADLEY
15	X	MDL-1-R	FUSE, 2AMP, SLOBO, 250V, 3AG, 313	1	BUSSMAN
16	X		LABEL SET, BASE, PHOTOEYE, JUNCTION BOX	1	1082023
17	X	1492-CJLJ6-10	JUMPER, TERM BLOCK, 10 POLE, CTR PLUG IN	1	ALLEN BRADLEY
18	X	8002-150	TAG, WARNING, ELEC, SHOCK HAZARD, 1.00X.88	1	SAFETY LABEL SOLUTIONS
19	X		LABEL SET, PANEL, WIRING FOR 1035897	1	1075682
20	X		WIRE, VINYL, 18AWG, RED	1	931170
21	X		WIRE, VINYL, 18AWG, WHITE	1	939888
22	X		WIRE, 105C, 18GA, BLUE, 600V	2.5	335174
23	X		WIRE, VINYL, 14AWG, GREEN W/YELLOW	4	931191
24	X		STRAP, CABLE, .875 DIA	2	939110
25	X		MOUNT, CABLE STRAP	1	242837
26	X		NUT, HEX, MACH, #10-32, BRASS	2	984129
27	X		WASHER, LK, E, SPT, #10, STL, NI	1	983120
28	X		WASHER, FLT, E, .203X.406X.040, BR	1	983021
29	X		LABEL, IDENTIFICATION, 1.00 X 2.00	1	1005678
30	X		TERMINAL RING TONGS, INS, 16-14, 10	1	933054
31	X		BOX, CST-1 / HEATER, HM 9	1	603124
32	X		LABEL, BLANK, 3.00X5.00	1	603348
33	X		BOX, 19 3/8X17 3/8 X 8 3/4	1	603054
34	X		PREFIX RESERVED	1	000000
[OPTIONAL ZONE PHOTO-EYE BOM]					
36	X	1492-J4	TERMINAL BLOCK, GRAY, IEC, 22-10 AWG, J4	8	ALLEN BRADLEY
37	X	1492-JG4	TERMINAL BLK, GND, GRN/YEL, 30-12 AWG, JG4	4	ALLEN BRADLEY
38	X	1492-EBJ3	BARRIER, TCACCY, END, DIN, GRAY, J SERIES	1	ALLEN BRADLEY
39	X	1492-EAJ35	ANCHOR, END	2	ALLEN BRADLEY
40	X		LABEL SET, PHOTOEYE, ZONE	1	1082273
41	X	1492-CJLJ6-10	JUMPER, TERM BLOCK, 10 POLE, CTR PLUG IN	1	ALLEN BRADLEY
42	X		WIRE, 105C, 18GA, BLUE, 600V	2	335174
43	X		CONNECTOR, STRAIN RELIEF, 1/2NPT	A/R	972808
44	X		SEAL, CONDUIT FITTING, 1/2, BLUE	A/R	939122
45	X		NUT, LOCK, 1/2 CONDUIT	A/R	984526
[OPTIONAL PART ID PHOTO-EYE BOM]					
46	X	1492-J4	TERMINAL BLOCK, GRAY, IEC, 22-10 AWG, J4	8	ALLEN BRADLEY
48	X	1492-JG4	TERMINAL BLK, GND, GRN/YEL, 30-12 AWG, JG4	4	ALLEN BRADLEY
49	X	1492-EBJ3	BARRIER, TCACCY, END, DIN, GRAY, J SERIES	1	ALLEN BRADLEY
50	X	1492-EAJ35	ANCHOR, END	2	ALLEN BRADLEY
51	X		LABEL SET, PHOTOEYE, PART ID	1	1082270
52	X	1492-CJLJ6-10	JUMPER, TERM BLOCK, 10 POLE, CTR PLUG IN	1	ALLEN BRADLEY
53	X		WIRE, 105C, 18GA, BLUE, 600V	1.5	335174
54	X		CONNECTOR, STRAIN RELIEF, 1/2NPT	A/R	972808
55	X		SEAL, CONDUIT FITTING, 1/2, BLUE	A/R	939122
56	X		NUT, LOCK, 1/2 CONDUIT	A/R	984526
[OPTIONAL SCANNER 1 BOM]					
58	X	60316	CONTROLLER, MINI-ARRAY, DISCRETE	A/R	BANNER ENG CORP
59	X	60317	CONTROLLER, MINI-ARRAY, ANALOG	A/R	BANNER ENG CORP
60	X		LABEL SET, PHOTOEYE, SCANNER 1	1	1082271
61	X		WIRE, 105C, 18GA, BLUE, 600V	A/R	335174
62	X		WIRE, VINYL, 14AWG, GREEN W/YELLOW	1	931191
63	X		STRAP, CABLE, .875 DIA	1	939110
64	X		PREFIX RESERVED	1	000000
65	X		CONNECTOR, STRAIN RELIEF, 1/2NPT	2	972808
66	X		SEAL, CONDUIT FITTING, 1/2, BLUE	2	939122
67	X		NUT, LOCK, 1/2 CONDUIT	2	984526
68	X	QDC-515C	CABLE, SCANNER, 15FT	A/R	BANNER ENG CORP
69	X	QDC-525C	CABLE, SCANNER, 25FT	A/R	BANNER ENG CORP
70	X	QDC-550C	CABLE, SCANNER, 50FT	A/R	BANNER ENG CORP
71	X		PREFIX RESERVED	1	000000
[OPTIONAL SCANNER 2 BOM]					
73	X	60316	CONTROLLER, MINI-ARRAY, DISCRETE	A/R	BANNER ENG CORP
74	X	60317	CONTROLLER, MINI-ARRAY, ANALOG	A/R	BANNER ENG CORP
75	X		LABEL SET, PHOTOEYE, SCANNER 2	1	1082272
76	X		WIRE, 105C, 18GA, BLUE, 600V	A/R	335174
77	X		WIRE, VINYL, 14AWG, GREEN W/YELLOW	1	931191
78	X		PREFIX RESERVED	1	000000
79	X		CONNECTOR, STRAIN RELIEF, 1/2NPT	2	972808
80	X		SEAL, CONDUIT FITTING, 1/2, BLUE	2	939122
81	X		NUT, LOCK, 1/2 CONDUIT	2	984526
82	X	QDC-515C	CABLE, SCANNER, 15FT	A/R	BANNER ENG CORP
83	X	QDC-525C	CABLE, SCANNER, 25FT	A/R	BANNER ENG CORP
84	X	QDC-550C	CABLE, SCANNER, 50FT	A/R	BANNER ENG CORP
85	X		PREFIX RESERVED	1	000000
[OPTIONAL ENCODER TIMER BOM]					
87	X	KSD3330A	MODULE, TIMER, RECYCLING	1	ASEA-BROWN-BOVERI, INC
88	X	P1023-20	ADAPTER, DIN RAIL, TIMER	1	ASEA-BROWN-BOVERI, INC
89	X		WIRE, 105C, 18GA, BLUE, 600V	3	335174
90	X		TERMINAL, PUSH ON, INS, 250, 22-18, 12245-2	3	933162
91	X		PREFIX RESERVED	1	000000A
[OPTIONAL CONNECTORS BOM] (FOR CONN OPTION, SEE SHEET 4)					
93	X	MIN-5MR-3	RECEPTACLE, 5 PIN, MALE, 18 AWG, 36 IN LEADS	1	MENCON CORP
94	X		SEAL, CONDUIT FITTING, 1/2, BLUE	2	939122
95	X		NUT, LOCK, 1/2 CONDUIT	2	984526
96	X		STRAP, CABLE, .875 DIA	6	939110
97	X	FT-221-1/8 BLACK	TUBING, HEAT-SHRINK, .125	3 IN	ALPHA WIRE
98	X	SB-875-11	BUSHING, SNAP, 11/16 ID	1	HEYCO
99	X	09 30 024 0301	CONN, HOUSING, HAN, RECT, SHELL-ONLY	1	HARTING
100	X		SPACER, CONNECTOR, 24 POSITION	1	1091712
101	X	09 30 000 9994	GASKET, CONNECTOR, 24 POSITION	1	HARTING
102	X		SCR, PAN, SLT, M4X25, ZN	4	982097
103	X		WASHER, FLT, .203X.309X.04, NYLON	4	983038
104	X		WASHER, LK, M, EXT, M4, STL, ZN	4	983421
105	X		NUT, HEX, M4, STL, ZN	4	984715
106	X	09 33 024 2701	INSERT, CONN, FEMALE, HARTING, 09330242701	1	HARTING
107	X	6309	JXTCABL, 25-CONN, SHIELD, 24AWG	1 FT	ALPHA WIRE
108	X		WIRE, VINYL, 14AWG, GREEN W/YELLOW	1 FT	931191
109	X		LABEL SET, CONN OPTION, FOR 1035897	1	1091716
110	X	1R5000A20F020	RECEPTACLE, CORD, 5 PIN, MINI, 16 GA, 300V, FEM	1	BRAD HARRISON
111	X				1071818

* - QUANTITIES DETERMINED BY ORDER REQUIREMENTS. A/R = AS REQUIRED

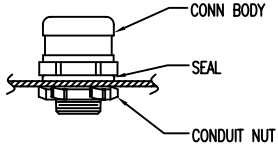
INSTALL OPTIONAL CORD CONNECTORS FOR PART ID PHOTO-EYES (AS REQUIRED) AS SHOWN. SEE CORD CONNECTOR DETAIL.

OPTIONAL PART ID PHOTO-EYES APPLY LABELS AS INDICATED.

USE THESE LOCATIONS FOR OPTIONAL SCANNER 2 CABLE ACCESS. LABEL EACH CORD GRIP PAIR AS SCNR2.

TERMINAL BLOCK LAYOUT

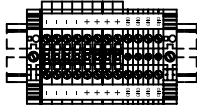
L2
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GND
ALG-D
ALG-U



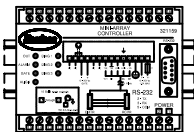
CORD CONNECTOR DETAIL

SCANNER DETAILS

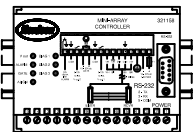
OPTIONAL PHOTOEYES POWER DISTRIBUTION.



OPTIONAL "DISCRETE" OUTPUT SCANNER, CONTROLLER



OPTIONAL "ANALOG" OUTPUT SCANNER, CONTROLLER



OPTIONAL PART ID PHOTO-EYES APPLY LABELS AS INDICATED.

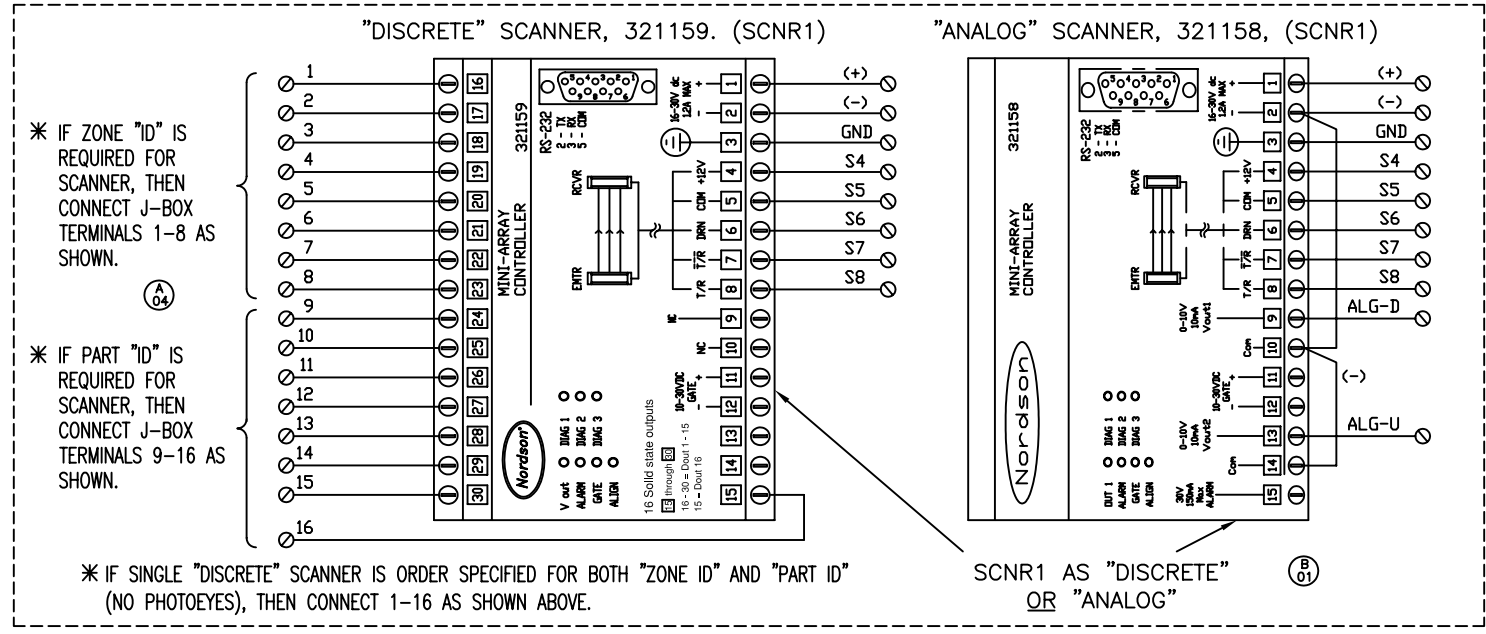
INSTALL OPTIONAL CORD CONNECTORS FOR ZONE PHOTO-EYES (AS REQUIRED) AS SHOWN. SEE CORD CONNECTOR DETAIL.

USE THESE LOCATIONS FOR OPTIONAL SCANNER 1 CABLE ACCESS. LABEL EACH CORD GRIP PAIR AS SCNR1.

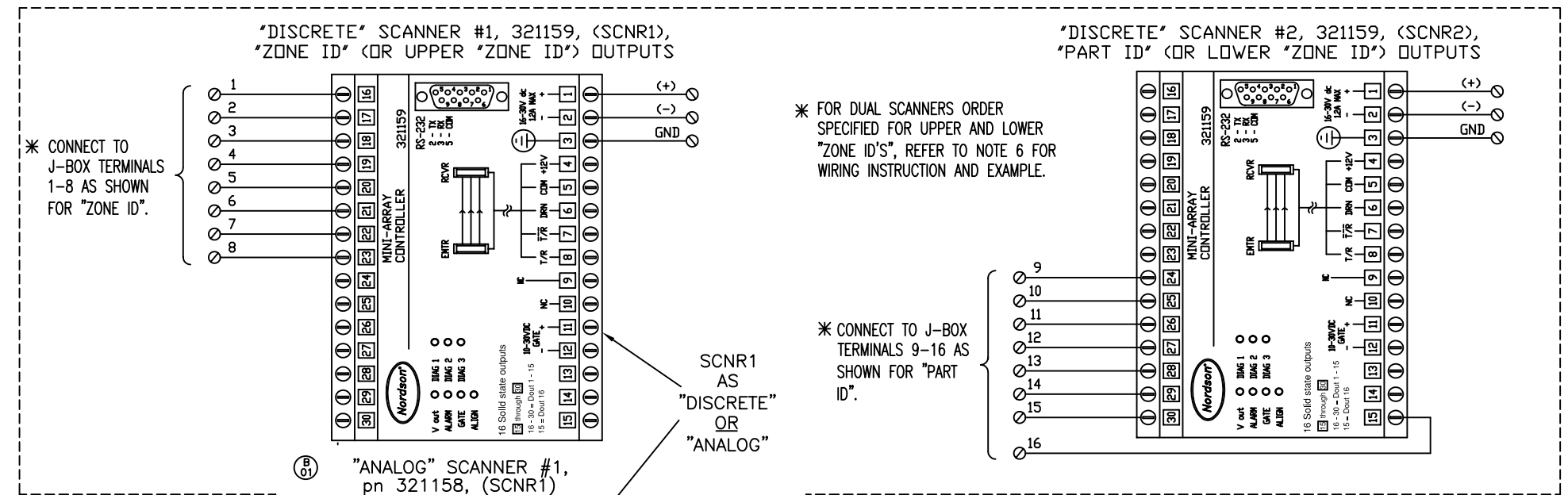
ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION	
NEXT ASSEMBLY		DRAWN BY DRJ		POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
FIRST PRODUCT USED ON		CHECKED BY RF		DATE 29OCT02	
ICONTROL		REL NO PE0851		APPROVED BY BL	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THIRD ANGLE PROJECTION		REF DWG, JUNCTION BOX, PHOTOEYE, 30W	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		CONTROL NUMBER		1035897	
		SCALE: 1:2		PRODUCT DEVELOPMENT DEPARTMENT	
				CAD GENERATED DRAWING	
				PAGE 1 / 4	

PEJB INTERNAL WIRING AND INSTRUCTION

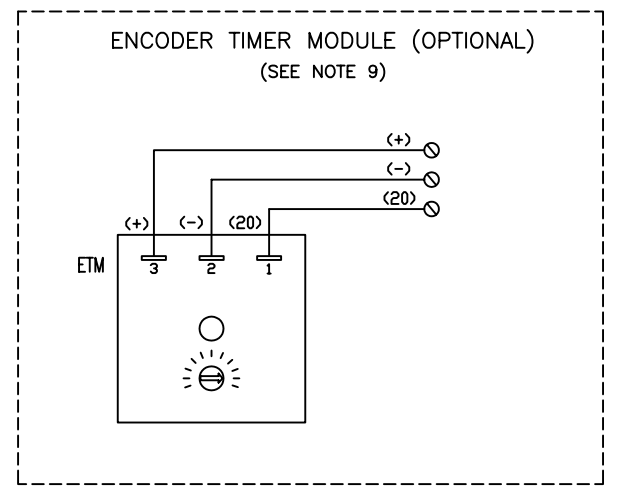
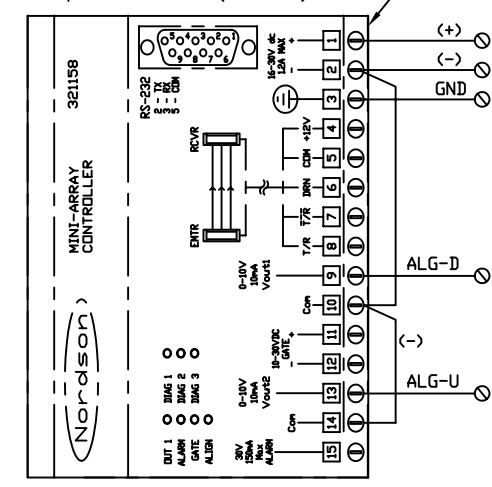
SINGLE SCANNER OPTIONS



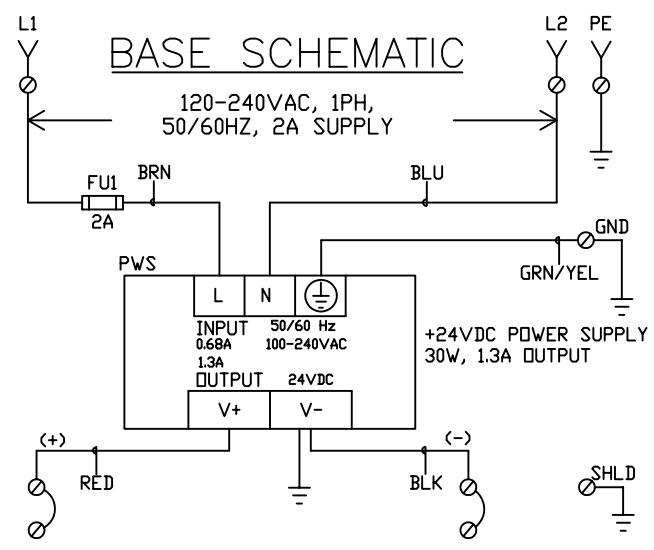
DUAL SCANNER OPTIONS



'ANALOG' SCANNER #1, pn 321158, (SCNR1)

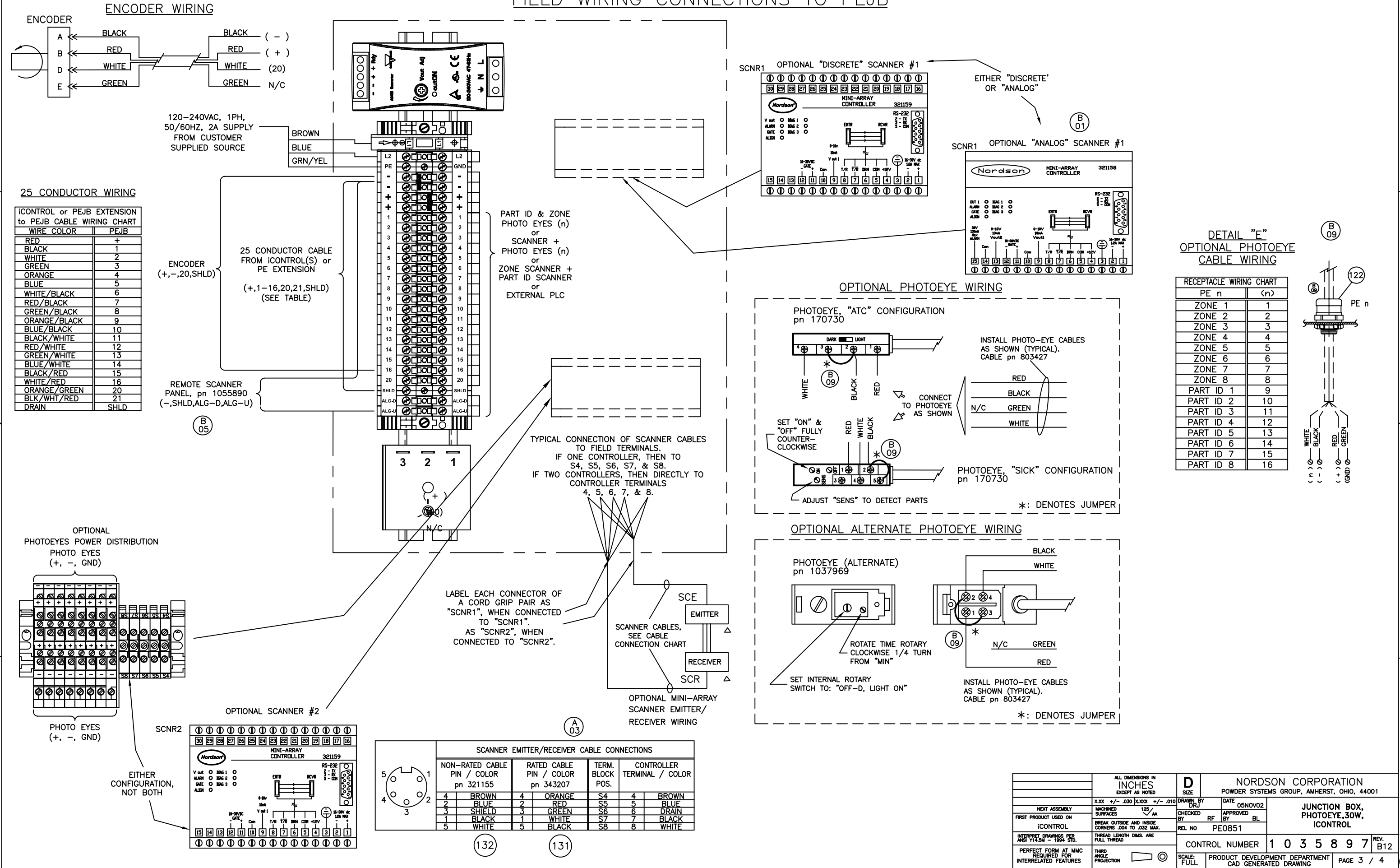


BASE SCHEMATIC

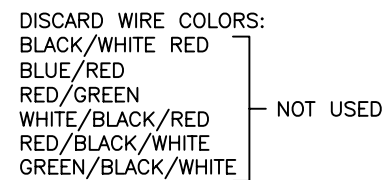


USE GRAY INSULATED WIRE (18 AWG MIN.) FOR ALL DC WIRING OTHER THAN POWER.

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
SIZE	125	DRAWN BY	DRJ
DATE	29OCT02	CHECKED BY	RF
APPROVED BY	BL	REL NO	PE0851
CONTROL NUMBER	1035897	REV.	B12
SCALE:	1:2	PRODUCT DEVELOPMENT DEPARTMENT	PAGE 2 / 4
CAD GENERATED DRAWING			



D

D

C

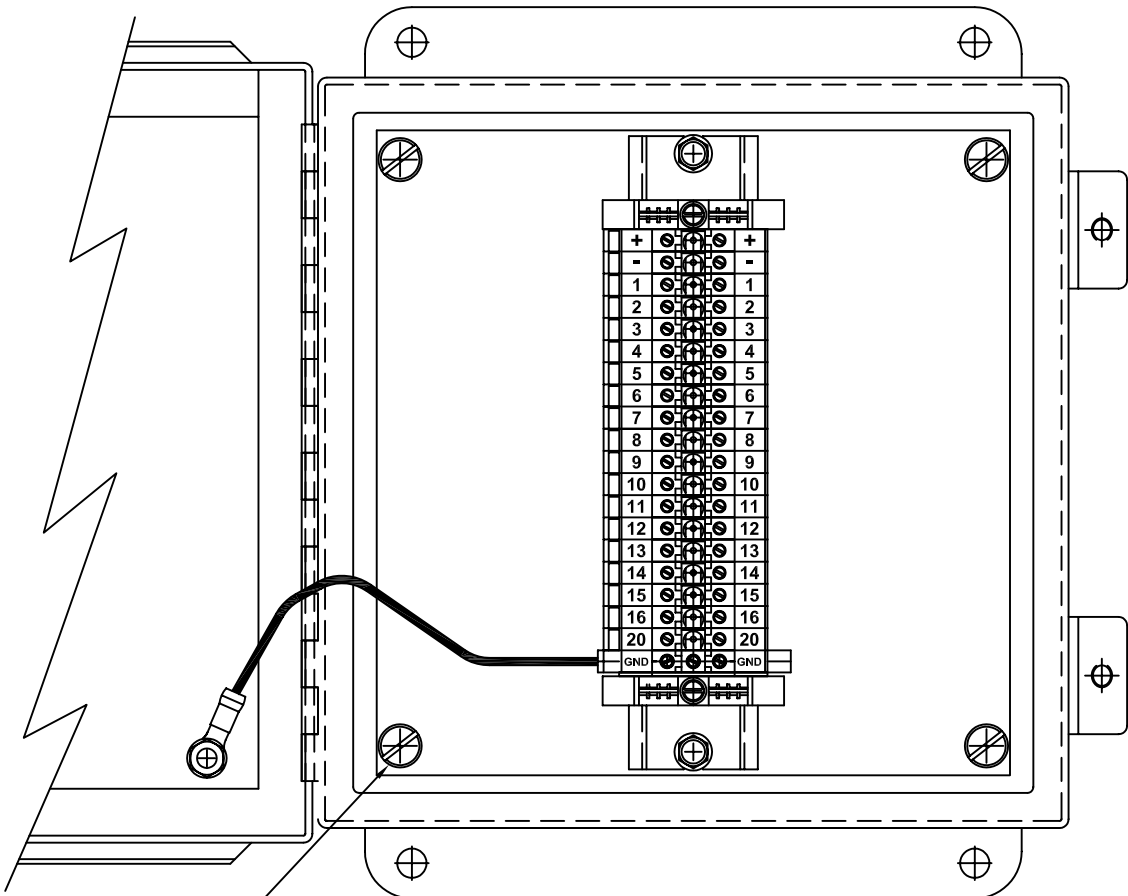
B

		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
		XXX $\pm$.030 XXX $\pm$.010 125 .001		DRAWN BY LSM		DATE 25SEP08	
NEXT ASSEMBLY		MACHINED SURFACES		CHECKED BY BL		APPROVED BY BL	
FIRST PRODUCT USED ON		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO PE601281		JUNCTION BOX, PHOTOEYE, 30W, ICONTROL	
INTERPRET DRAWINGS PER AND 174.04 — 1994 STD.		THREAD LENGTH DIMS. ARE TO FULL THREAD		CONTROL NUMBER 1035897		REV. B12	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		SCALE: FULL PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 4 / 4	

ITEM	DESIGNATION	MFG PART NO.	DESCRIPTION	QTY	MFG	NORDSON PART NO.
0			REF DWG,ASSY,EXT J-BOX,iCONTROL	1		1075835
1		A-808CH	ENCLOSURE, CONT HINGE,8x8x4	1	HOFFMAN OR EQUIV.	1056323
2		A8P8	PANEL,6.75 X 6.88,FOR 8X8 ENCLOSURE	1	HOFFMAN ENGINEERING CO.	1056324
3		051450000	TBACCY,DIN,RAIL,SLOT,35x2M-LG	.17 M	WEIDMULLER	239214
4		1492-EAJ35	ANCHOR,END	2	ALLEN BRADLEY	306318
5		1492-J4	TERMINAL BLK,GRAY,IEC,30-12 AWG,J4	19	ALLEN BRADLEY	1075583
6		1492-JG4	TERMINAL BLK,GND,GRN/YEL,IEC,22-10 AWG,JG4	1	ALLEN BRADLEY	1075665
7			SCR,HEX,SELF TAP,10-32X .500,Z	2		981137
8			WASHER,LK,E,INT,#10,STL,ZN	2		983124
9			LABEL,EXT J-BOX,iCONTROL	1		1075855
10			LABEL,TERMINAL BLOCK,FOR 1035899	2		1076700
11			NUT,HEX,MACH,#10-32,BRASS	2		984129
12			WASHER,FLT,E,.203X.406X.040,BR	1		983021
13			WASHER,LK,E,SPT,#10,STL,NI	1		983120
14			TERMINAL,RINGTONG,INS,16-14,10	1		933054
15			WIRE,VINYL,14AWG,GREEN W/YELLOW	1		931191
16			LABEL,BLANK,3.500X5.00	1		603348
17			CARTON,MISC PARTS	1		602117

25 CONDUCTOR WIRING

iCONTROL or PEJB EXTENSION to PEJB CABLE WIRING CHART	
WIRE COLOR	PEJB
RED	+
BLACK	1
WHITE	2
GREEN	3
ORANGE	4
BLUE	5
WHITE/BLACK	6
RED/BLACK	7
GREEN/BLACK	8
ORANGE/BLACK	9
BLUE/BLACK	10
BLACK/WHITE	11
RED/WHITE	12
GREEN/WHITE	13
BLUE/WHITE	14
BLACK/RED	15
WHITE/RED	16
ORANGE/GREEN	20
DRAIN	GND



NOTES:

- TO BE PACKAGED WITH ADEQUATE PROTECTION AND LABELED WITH NORDSON PART NUMBER AND CURRENT REVISION.
- AS AN ALTERNATE, PROVIDE A LABEL WITH THE FOLLOWING INFORMATION AND AFFIX TO THE OUTSIDE OF THE FRONT DOOR.

NORDSON CORPORATION
iCONTROL PART I.D.
P/N: 1035899

		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY		X.XX +/- .030 X.XXX +/- .010		DRAWN BY DRJ		DATE 29OCT02	
FIRST PRODUCT USED ON		MACHINED SURFACES 125 AA		CHECKED BY RF		APPROVED BY BL	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO PE0851		JUNCTION BOX, PE EXTENSION, iCONTROL	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER		1035899	
THIRD ANGLE PROJECTION				SCALE: FULL		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
						PAGE 1 / 1	

NOTICE					
THIS DRAWING IS NORDSON PROPERTY,CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.					
ITEM	DESIGNATION	MFG PART NO.	DESCRIPTION	QTY	MFG
0			REF DWG ASSY,SCANNER J-BOX,GUN POSITIONER	1	
1		832RB	ENCLOSURE, CONT HINGE,14x12x6, w/KNOCKOUTS	1	HOFFMAN
2			LABEL SET, SCANNER,GUN PSNR	1	
3		8002-ISO	TAG,WARNING,ELECT SHOCK HAZARD,1.00x.88	1	SAFETY LABEL SOLUTIONS
4			LABEL,IDENTIFICATION,1.00 X 2.00	1	
5		A14P12	PANEL,12.75 X 10.88,FOR 14X12 ENCLOSURE	1	HOFFMANN
6		0514500000	TBACCY,DIN,RAIL,SLOT,35x2M-LG	.50M	WEIDMULLER,INC
7			SCR,HEX,SELF TAP,10-32X.500,Z	6	
8			WASHER,LK,E,INT,#10, STL,ZN	4	
9			WIRE,VINYL,14AWG,GREEN W/YELLOW	4.5	
10		F1X3LG6	WIREDUCT, 1 X 3,PVC,GRAY,SLOTTED	1FT	PANDUIT
11		C1LG6	COVER 1	1	PANDUIT
12			PREFIX RESERVED	1	
13		60317	CONTROLLER,ANALOG,MINI-ARRAY	2	BANNER ENGINEERING
14		1492-EAJ35	ANCHOR,END	3	ALLEN BRADLEY
15		1492-J4	TERMINAL BLK,GRAY,IEC,22-10 AWG,JG4	7	ALLEN BRADLEY
16			MODULE GROUP,I/O,WAGO	1	WAGO
17		1492-JG4	TERMINAL BLK,GND,GRN/YEL,IEC,22-10 AWG,JG4	2	ALLEN BRADLEY
18		1492-EBJ3	BARRIER,TBACCY,END,DIN,GRAY,J-SERIES	1	ALLEN BRADLEY
19		1492-CJLJ6-10	JUMPER,TERM BLOCK,10 POLE,CTR PLUG IN	1	ALLEN BRADLEY
20			TERMINAL,RINGTONG,INS,16-14,10	1	
21			NUT,HEX,MACH,#10-32,BRASS	2	
22			WASHER,FLT,E,SPT,#10,STL,NI	1	
23			WASHER,FLT,E,.208 X.406 X.040,BR	1	
24			CONNECTOR,STRAIN RELIEF,1/2 NPT	4	
25			SEAL,CONDUIT FITTING,1/2,BLUE	4	
26			NUT,LOCK,1/2 CONDUIT	4	
27		QDC-515C	CABLE,SCANNER,15 FT	A/R	BANNER ENG CORP
28		QDC-525C	CABLE,SCANNER,25 FT	A/R	BANNER ENG CORP
29		QDC-550C	CABLE,SCANNER,50 FT	A/R	BANNER ENG CORP
30			LABEL SET,PANEL WIRING FOR 1055890	1	
31			WIRE,105C,18GA,BLUE,600V	10	
32			STRAP,CABLE,.875 DIA	1	
33			MOUNT,CABLE STRAP	1	
34		UTPCH2	CABLE,RJ45 TO RJ45,2FT	1	PANDUIT
35		MX5-F02	CONNECTOR,ETHERNET,RJ45-TO-IDC,CAT5	1	SIEMON
36		MX-SM1-02	BOX,SURFACE MOUNT,ETHERNET	1	SIEMON
37			BOX,CARDBOARD,20.0 L X 13.5 W X 8.0 D	1	
38			LABEL,BLANK	1	
39			PREFIX RESERVED	1	
(OPTIONAL 2nd BOOTH ETHERNET SWITCH BOM)					
41		8918-13	WIRE,105C,18GA,BLUE,600V	1.0FT	BELDEN
42		2891929	SWITCH,ETHERNET,8 PORT,10/100	1	PHOENIX
43		UTPCH2	CABLE,RJ45 TO RJ45,2FT	1	PANDUIT
44		MX5-F02	CONNECTOR,ETHERNET,RJ45-TO-IDC,CAT5	1	SIEMON
45		MX-SM1-02	BOX,SURFACE MOUNT,ETHERNET	1	SIEMON
46		8916-189	WIRE,VINYL,14AWG,GREEN W/YELLOW	6.5FT	BELDEN
47		PLT1M	CABLETIE,3.9 IN,185F/85C,NYLON,NATURAL	1	PANDUIT

△-WHEN CONNECTOR OPTION IS USED, THIS ITEM IS CONNECTED TO ETHERNET CONNECTOR, ITEM 60.

★-THESE ITEMS SHIP LOOSE WITHIN THE PANEL.

★ITEM 16 I/O MODULE GROUP COMPONENT BREAKDOWN.

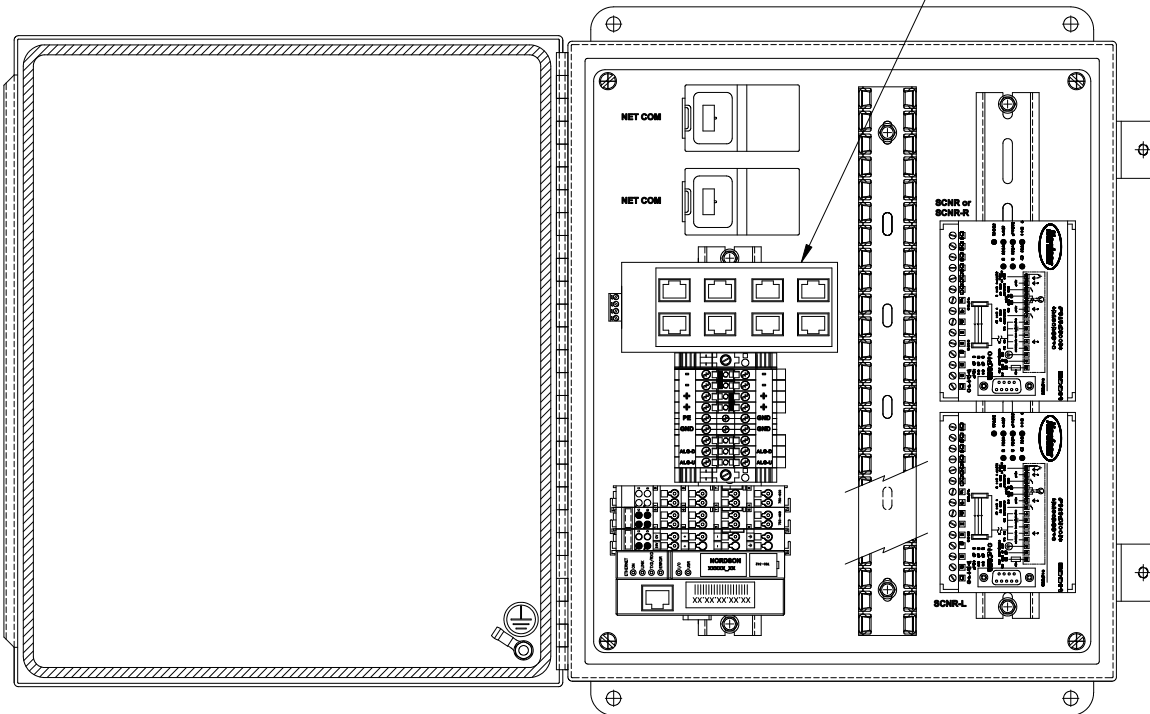
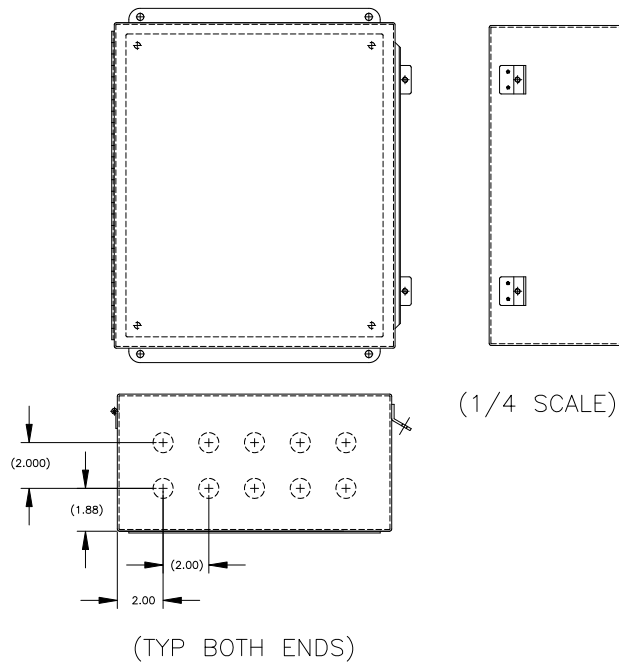
MFG PART NO.	DESCRIPTION	QTY	MFG
750-342	COUPLER,FIELDBUS,ETHERNET TCP/IP	1	WAGO
750-468	MODULE,ANALOG INPUT,0-10,4 CHANNEL	1	WAGO
750-600	END MODULE	1	WAGO

ICONTROL GMVR
SCANNER J-BOX
24VDC
p/n 1055890

DOOR LABEL

ICONTROL GMVR
SCANNER J-BOX
24VDC
p/n 1055890

HAZARD TAG



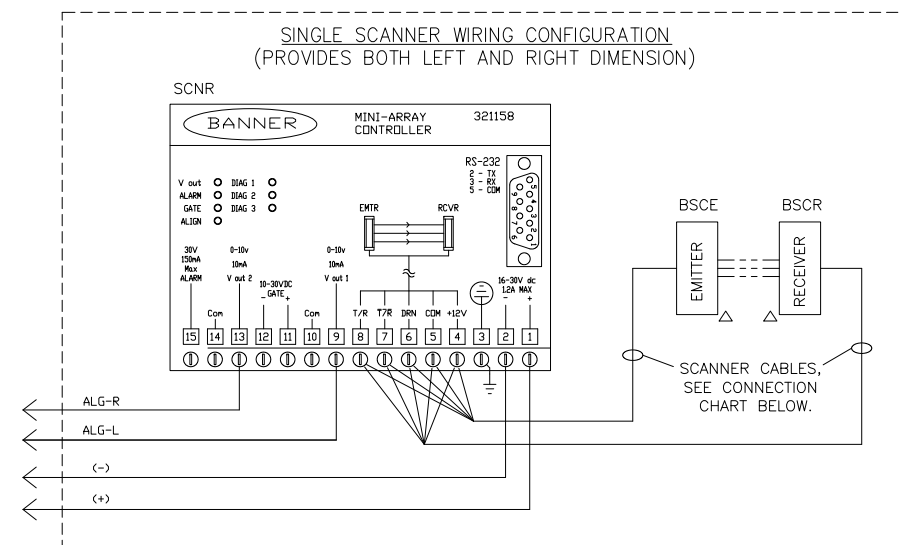
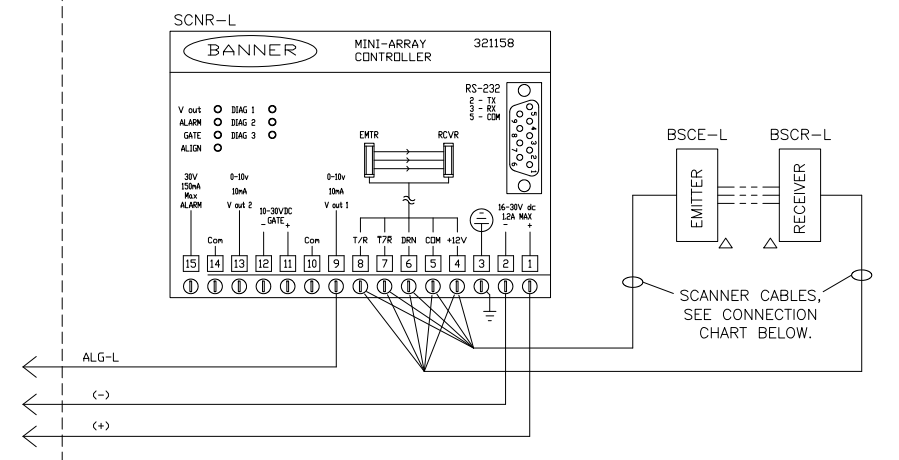
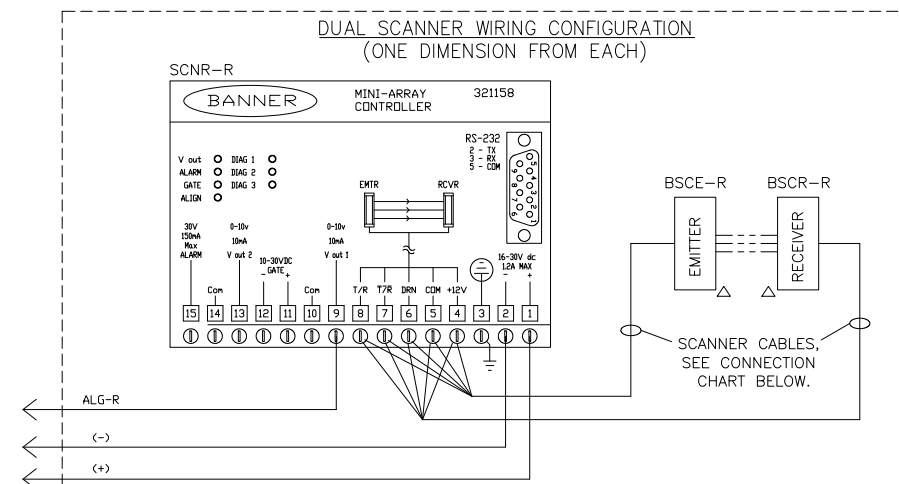
TERMINAL BLOCK
LAYOUT

-
-
+
+
PE / GND
GND
ALG-D
ALG-U

MODULE GROUP
LAYOUT

750-600
750-468
750-342

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY	X.XX +/- .030 X.XXX +/- .010	DRAWN BY TAH	DATE 21MAY04	J-BOX,SCANNER, GUN POSITIONER, iCONTROL
FIRST PRODUCT USED ON	MACHINED SURFACES 125/AA	CHECKED BY JCAT	APPROVED BY JB	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX. THREAD LENGTH DIMS. ARE FULL THREAD	REL NO	PE37282	CONTROL NUMBER 1055890
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	SCALE	1/2	
		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		REV. A17
		PAGE 1 / 3		



LEGEND
△ - REMOTELY LOCATED DEVICE

The diagram shows a 5-pin D-sub connector with pins numbered 1 through 5. Pin 1 is at the top right, pin 2 is at the bottom right, pin 3 is at the bottom left, pin 4 is at the middle left, and pin 5 is at the top left. A notch is present on the top edge of the connector housing.

SCANNER EMITTER/RECEIVER CABLE CONNECTIONS					
NON-RATED CABLE PIN / COLOR pn 321155		RATED CABLE PIN / COLOR pn 343207		CONTROLLER TERMINAL / COLOR	
4	BROWN	4	ORANGE	4	BROWN
2	BLUE	2	RED	5	BLUE
3	SHIELD	3	GREEN	6	DRAIN
1	BLACK	1	WHITE	7	BLACK
5	WHITE	5	BLACK	8	WHITE

		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION	
		XXX +/- .030 X.XXX +/- .010		DRAWN BY		POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY		MACHINED SURFACES 125°		TAH		DATE 21MAY04	
FIRST PRODUCT USED ON		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CHECKED BY JCAT		APPROVED BY JB	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD.		REL NO		PC37282	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		CONTROL NUMBER		1055890	
				SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
						PAGE 2 / 2	
						J-BOX, SCANNER, GUN POSITIONER, iCONTROL	
						REV. A17	

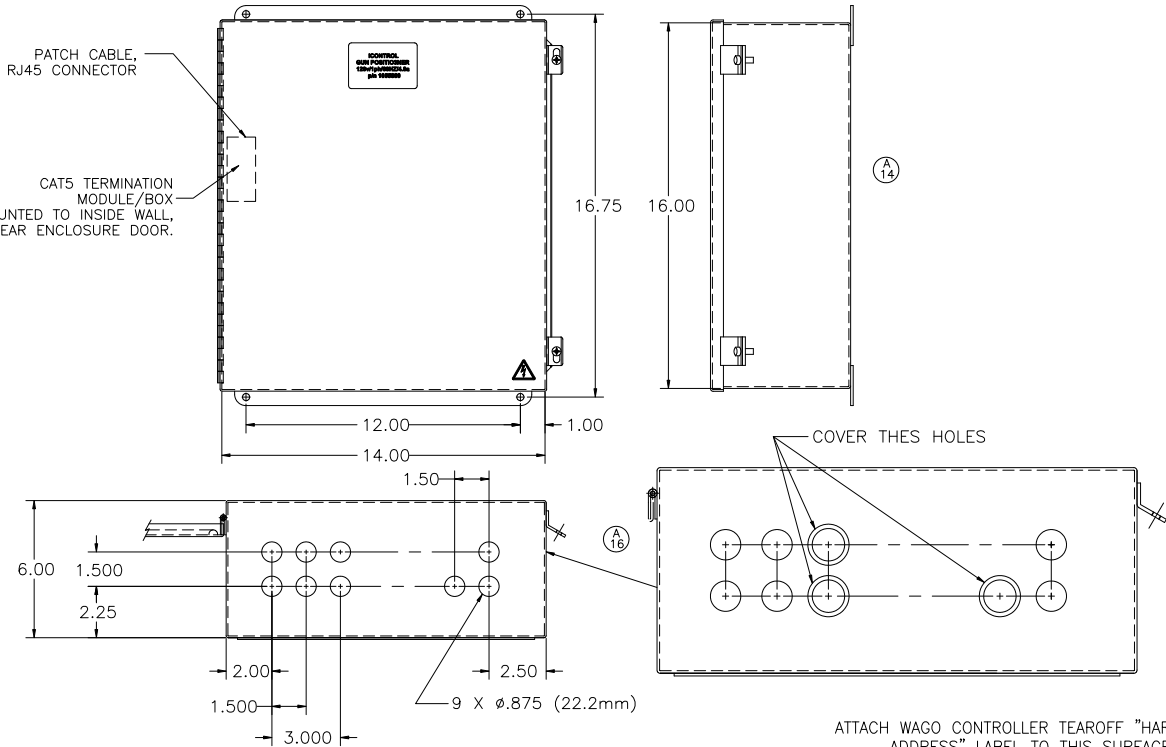


LABEL IDENTIFICATION, 1.00 X 2.00

NOTICE

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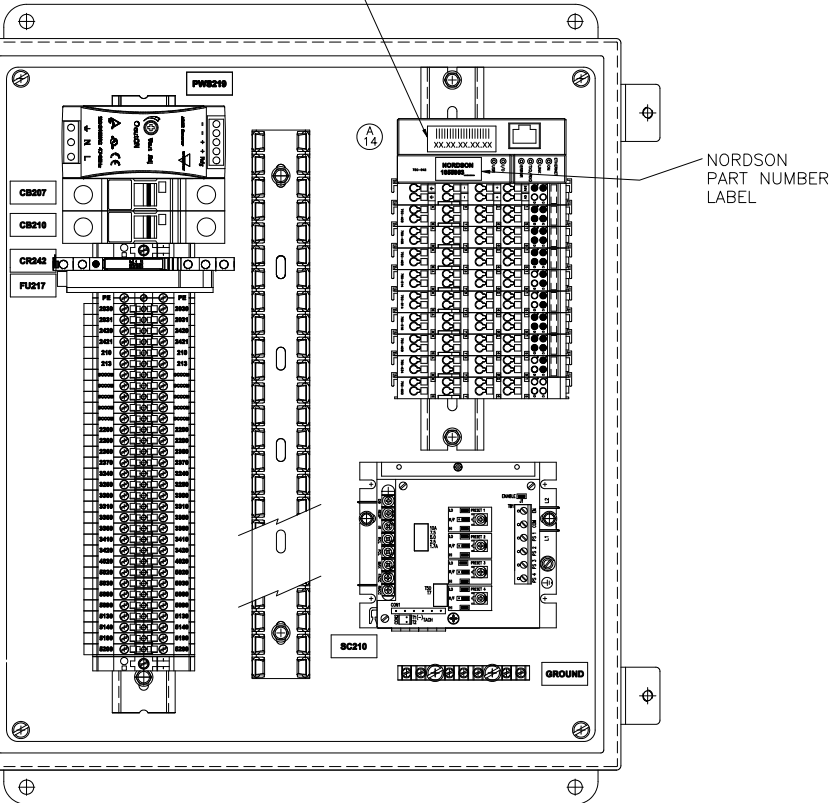
ITEM	DESIGNATION	MFG PART NO.	DESCRIPTION	QTY	MFG	NORDSON PART NO.
0			REF DWG, ASSY PANEL, GUN POSITIONER	0		1078407
1		A-1614CH	ENCLOSURE, CONT HINGE, 16x14x6	1	HOFFMAN	1078420
2		CUSTOM	LABEL SET, GUN POSITIONER	1	-----	1078684
3		8002-ISO	TAG, WARNING, ELECT SHOCK HAZARD, 1.00x.88	1	SAFETY LABEL SOLUTIONS	1075692
4			LABEL IDENTIFICATION, 1.00 X 2.00	1		1005678
5		0514500000	TBACCY, DIN, RAIL, SLOT, 35x2M-LG	.49M	WEIDMULLER, INC	239214
6			SCR, HEX, SELF TAP, 10-32X .500, Z	6		981137
7		A-16P14	ENCLACCY, PANEL, 14.75x12.88, 14GA	1	HOFFMAN	1078422
8		F1x3LG6	WIREDUCT, 1 X 3, PVC, GRAY, SLOTTED	1FT	PANDUIT	1090158
9	GROUND	PK7GTA	GROUND TERMINAL	1	SQUARE D	1046405
10	SC210	KBMG-212D WITH 8833	CONTROLLER, DC DRIVE W/ SP BD, GUN PSNR	1	KB ELECTRONICS	1046921
11			SCR, HEX, SELF TAP, SLTD, 8-32X.50, TYPE T,Z	4		1083981
12	CB207	1DU10	CIRCUIT BREAKER, 1 POLE, 10 AMP, 10-20 xl n	1	ALTECH	1078518
13	CB210	1CU4	CIRCUIT BREAKER, 1 POLE, 4 AMP, 5-10 xl n	1	ALTECH	1078516
14	PWS219	SPD24301	POWER SUPPLY, DIN RAIL, MT, 30W, 24-28VDC	1	CARLO GAVAZZI	1080749
15			MODULE GROUP, I/O, WAGO	1	WAGO	1078669
16		C1LG6	COVER, 1	1FT	PANDUIT	1046394
17	FU217	1492-H6	FUSE HOLDER, DIN RAIL, 1/4 X 1-1/4" FUSES	1	ALLEN BRADLEY	341366
18	FU217	MDL-1-R	FUSE, 2AMP, SLOBL0, 250V, 3AG, 313	1	BUSSMANN	939016
19	FU217	1492-N37	END, PLATE, AB FUSE	1	ALLEN BRADLEY	341367
20		1492-J4	TERMINAL BLK, GRAY, IEC, 22-10 AWG, JG4	30	ALLEN BRADLEY	1075583
21		1492-EAJ35	ANCHOR, END	2	ALLEN BRADLEY	306318
22	CR242	CR242	RELAY, TERM BLK, SPD, 110/125V AC/DC	1	ALLEN BRADLEY	1071600
23		1492-JG4	TERMINAL BLK, GND, GRN/YEL, IEC, 22-10 AWG, JG4	1	ALLEN BRADLEY	1075665
24		1492-J4-Y	TERMINAL BLK, YELLOW, IEC, 22-10 AWG, JG4	2	ALLEN BRADLEY	1075694
25		1492-EBJ3	BARRIER, TBACCY, END, DIN, GRAY, J SERIES	2	ALLEN BRADLEY	1075584
26			WIRE, 105C, 18GA, BLUE, 600V	31.5		335174
27			STRND WIRE, 14 AWG, YEL, 600V, 105C	3		1079956
28			WIRE, VINYL, 14AWG, GREEN W/YELLOW	4.75		931191
29			WIRE, VINYL, 14AWG, RED	7.5		931296
30			WIRE, VINYL, 14AWG, WHITE	3		931268
31			WIRE, VINYL, 18AWG, RED	9		931170
32			STRAP, CABLE, .875 DIA	7		939110
33		UTPCH2	CABLE, RJ45 TO RJ45, 2FT	1	PANDUIT	282960
34		MX5-F02	CONNECTOR, ETHERNET, RJ245-TO IDC, CAT5	1	SIEMON	1058224
35		MX-SM1-02	BOX, SURFACE MOUNT, ETHERNET	1	SIEMON	1078555
36			TERMINAL, RINGTONG, INS, 16-14, 10	1		933054
37			NUT, HEX, MACH, #10-32, BRASS	2		984129
38			WASHER, LK, E, SPT, #10, STL, NI	1		983120
39			WASHER, FLT, E, .203X.406X.040, BR	1		983021
40		1492-CJLJ6-10	JUMPER, TERM BLOCK, 10 POLE, CTR PLUG IN	1	ALLEN BRADLEY	1078531
41			QUICKCONN, INS, FEM, .250"X.032", 14-16AWG	4		1049966
42			TERMINAL, FLG, SPADE, INS, 16-14, 6	1		933184
43			LABEL SET, PANEL WIRING FOR 1055889	1		1079873
44			WASHER, LK, E, INT, #10, STL, ZN	4		983124
45			LABEL, BLANK, 3.00X5.00	1		603348
46			MOUNT, CABLE STRAP	1		242837
47			CONTROLLER, PROGRAMMED, GUN POS'R iCONTROL	1		1055963
48			CAP, FLUSH, 7/8 DIA	3		900809



ATTACH WAGO CONTROLLER TEAROFF "HARDWARE ADDRESS" LABEL TO THIS SURFACE.

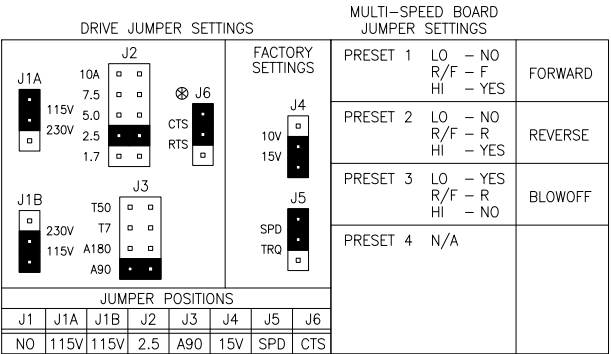
TERMINAL BLOCK LAYOUT

PE
2030
2001
2420
2421
210
213
DDCOM
DDCOM
DDCOM
DDCOM
DDCOM
DDCOM
DDCOM
DDCOM
2200
2200
2280
2270
3240
3280
3300
3310
3380
3380
3410
3420
4020
5020
5050
5090
5130
5140
5180
5200



***ITEM 15 I/O MODULE GROUP COMPONENT BREAKDOWN.**

MFG PART NO.	DESCRIPTION	QTY	MFG
750-408	4-CHANNEL DIGITAL INPUT MODULE DC 24V	4	WAGO
750-514	2-CHANNEL RELAY OUTPUT MODULE AC 125V, DC 30V	2	WAGO
750-516	4-CHANNEL DIGITAL OUTPUT MODULE DC 24V	1	WAGO
750-634	INCREMENTAL ENCODER INTERFACE	1	WAGO
750-600	END MODULE	1	WAGO



ADJUST FOR DESIRED FORWARD SPEED
ADJUST FOR DESIRED REVERSE SPEED

IF NECESSARY, ADJUST "RESP" UPWARD TO CORRECT FOR DRIFTING OR RESPONSE PROBLEMS WITH THE MACHINE MOTION.

FULLY COUNTERCLOCKWISE=315°=0%
FULLY CLOCKWISE=225°=100%

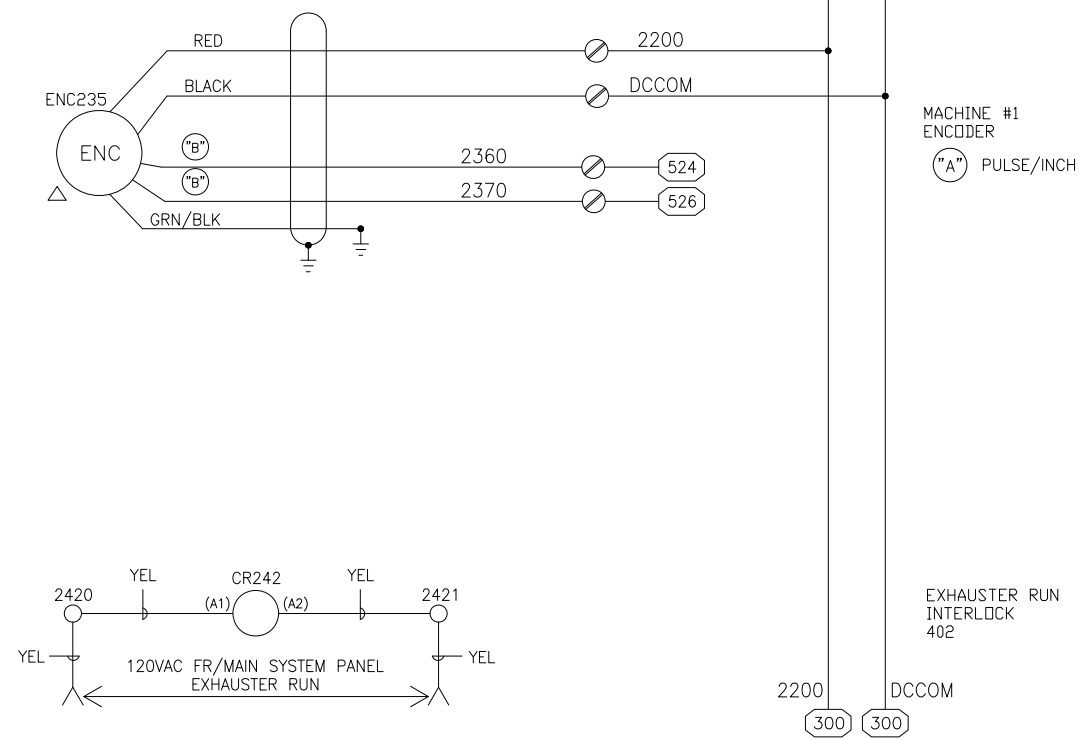
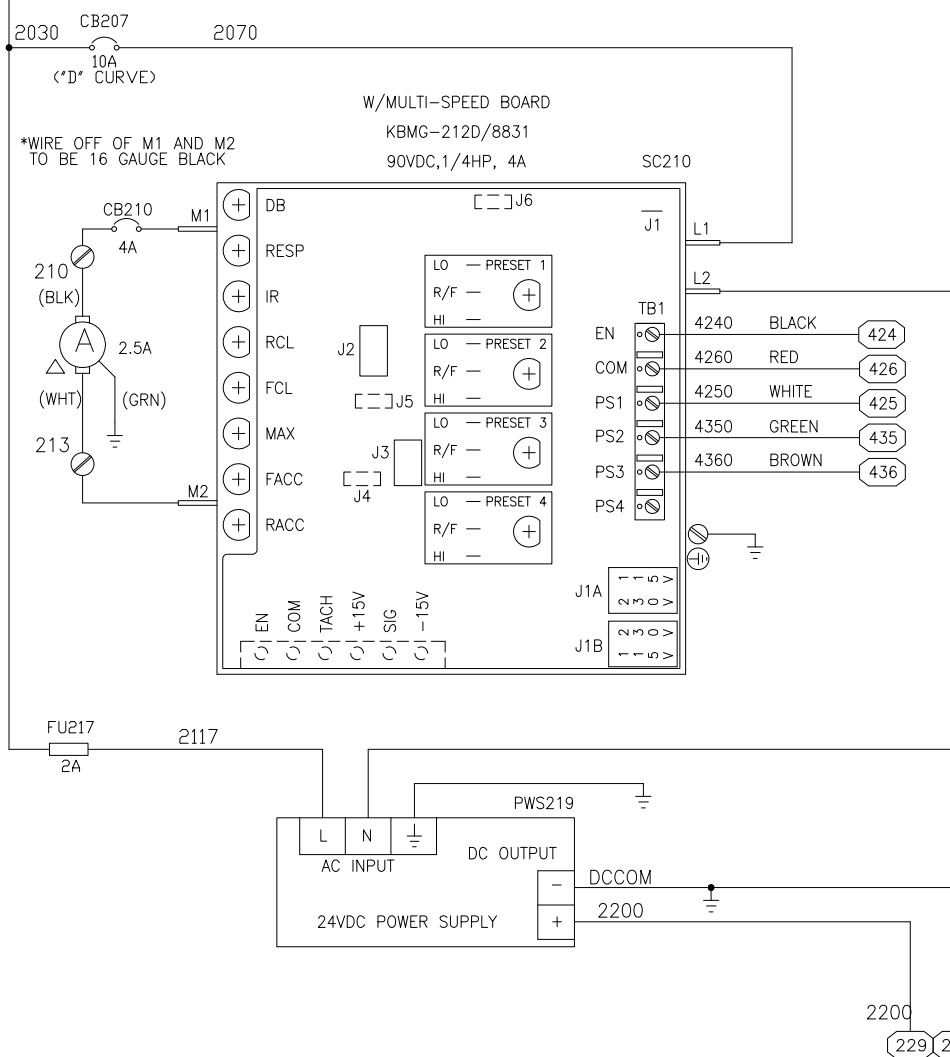
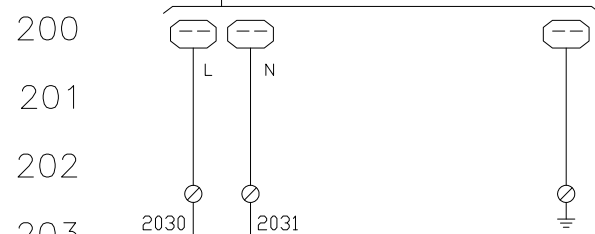
MULTI SPEED BOARD POT	%CLOCKWISE
PRE 1	50-100%
PRE 2	50-100%
PRE 3	50%
PRE 4	N/A

MAINBOARD POT	% C.W.
DB	100%
RESP	50%
IR	25%
FCL	75%
RCL	75%
MAX	100%
FACC	0%
RACC	0%

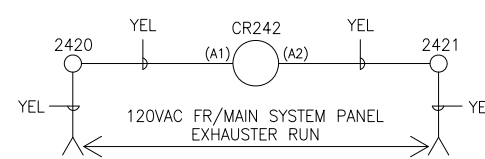
NOTE:

ALL PHASES OF INSTALLATION MUST COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES. ALL WORK LOCATED IN CLASS 2, DIVISIONS 1 AND 2 HAZARDOUS LOCATIONS MUST COMPLY WITH NFPA CODE 33 AND NFPA CODE 70, ESPECIALLY ARTICLES 500, 502 AND 516, LATEST EDITIONS.

ITEM	ICT	PART NO.	DESCRIPTION	QTY.
1056206			NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY	MACHINED SURFACES	125 ✓ AA	CHECKED BY	DATE 26JUL04
FIRST PRODUCT USED ON	IN-OUT POSITIONER	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	REL NO	PE37282
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THIRD ANGLE PROJECTION	THREAD LENGTH DIMS. ARE FULL THREAD	CONTROL NUMBER	1055889
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES			SCALE: FULL	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING
				REV. A16
				PAGE 1 / 6



ENCODER RESOLUTION AND WIRING		
BASE TYPE	PULSE/INCH ("A")	WIRING ("B")
RACK & PINION 1018682	262	2360 = GREEN 2370 = ORANGE
BELT-DRIVE 1056206	224	2360 = ORANGE 2370 = GREEN

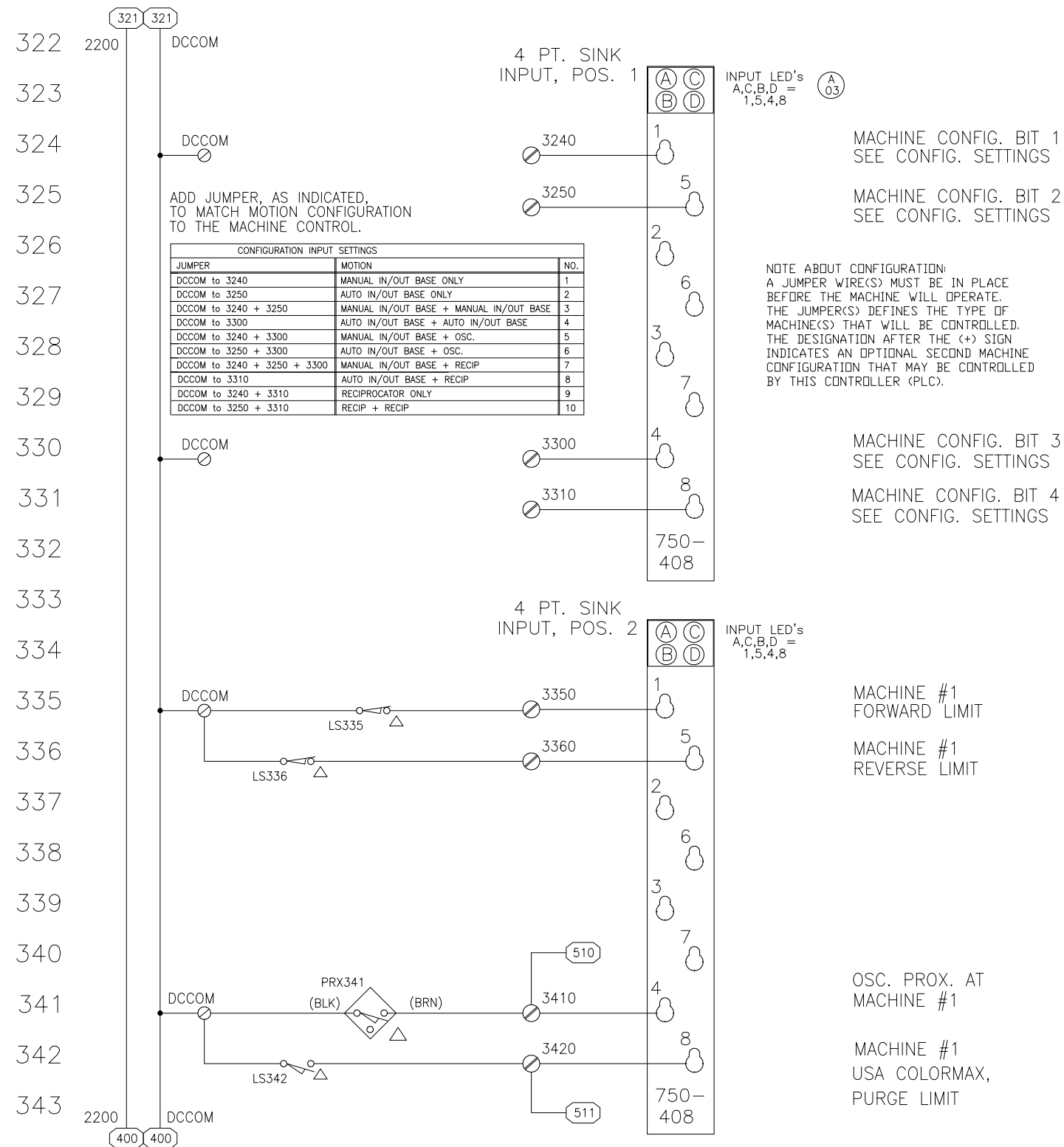


LEGEND
 - REMOTELY LOCATED DEVICE
 - GUNMOVER PANEL TERMINAL

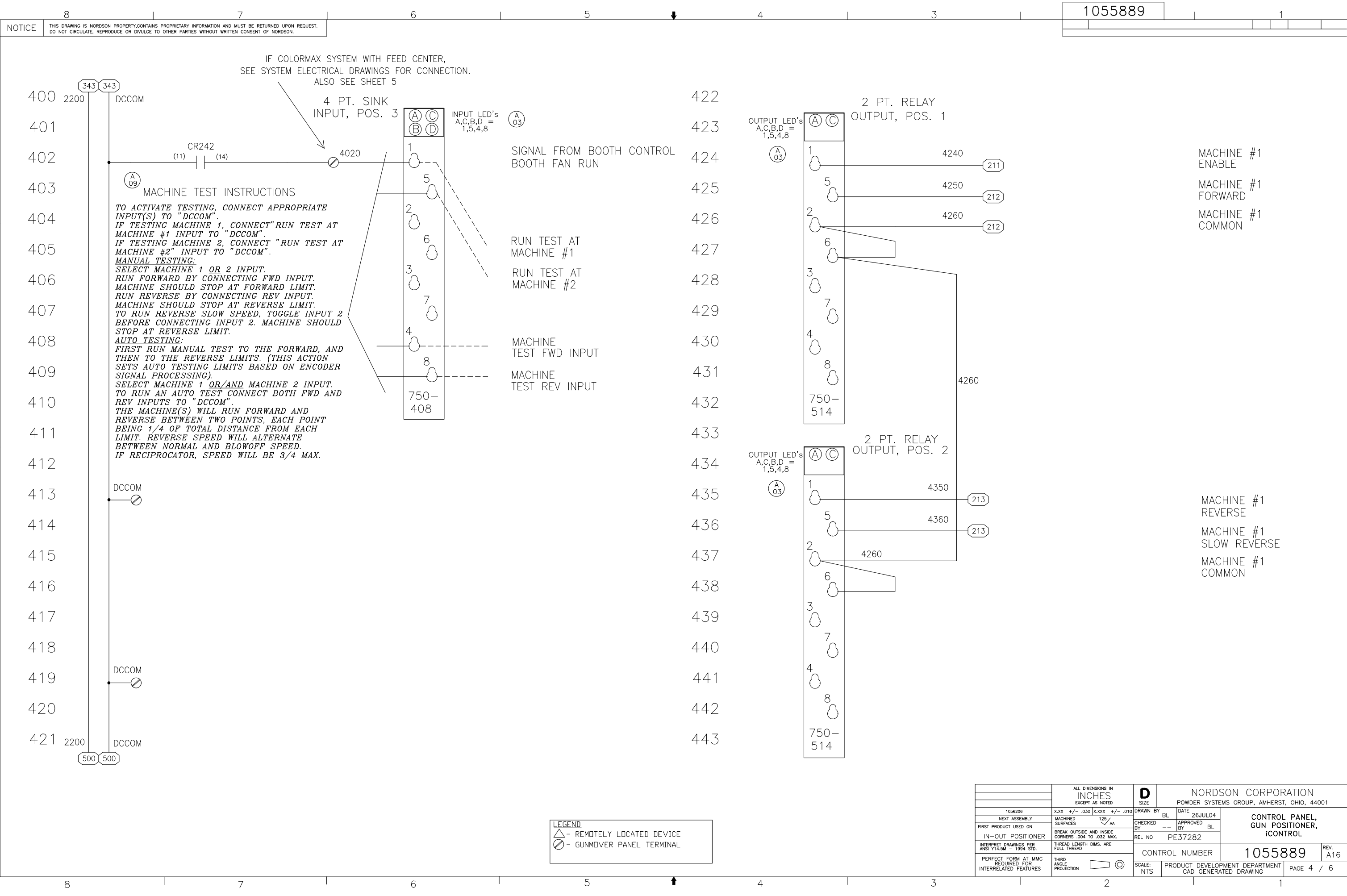
		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
1056206	X.XX +/- .030	XXXX +/- .010	DRAWN BY	BL	DATE 26JUL04
NEXT ASSEMBLY	MACHINED SURFACES	125 ✓ AA	CHECKED BY	--	APPROVED BY
FIRST PRODUCT USED ON	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE37284	
IN-OUT POSITIONER	THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER		1055889
INTERPIET DRAWING PER ANSI Y14.5M - 1994 STD.		THIRD ANGLE PROJECTION	SCALE: NTS		REV. A16
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES			PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 2 / 6



CONFIGURATION INPUT SETTINGS		
JUMPER	MOTION	NUMBER
DCCOM to 3240	MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250	AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250	MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300	AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300	MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300	AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300	MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310	AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310	RECIPROCATOR ONLY	9
DCCOM to 3250 + 3310	RECIP + RECIP	10

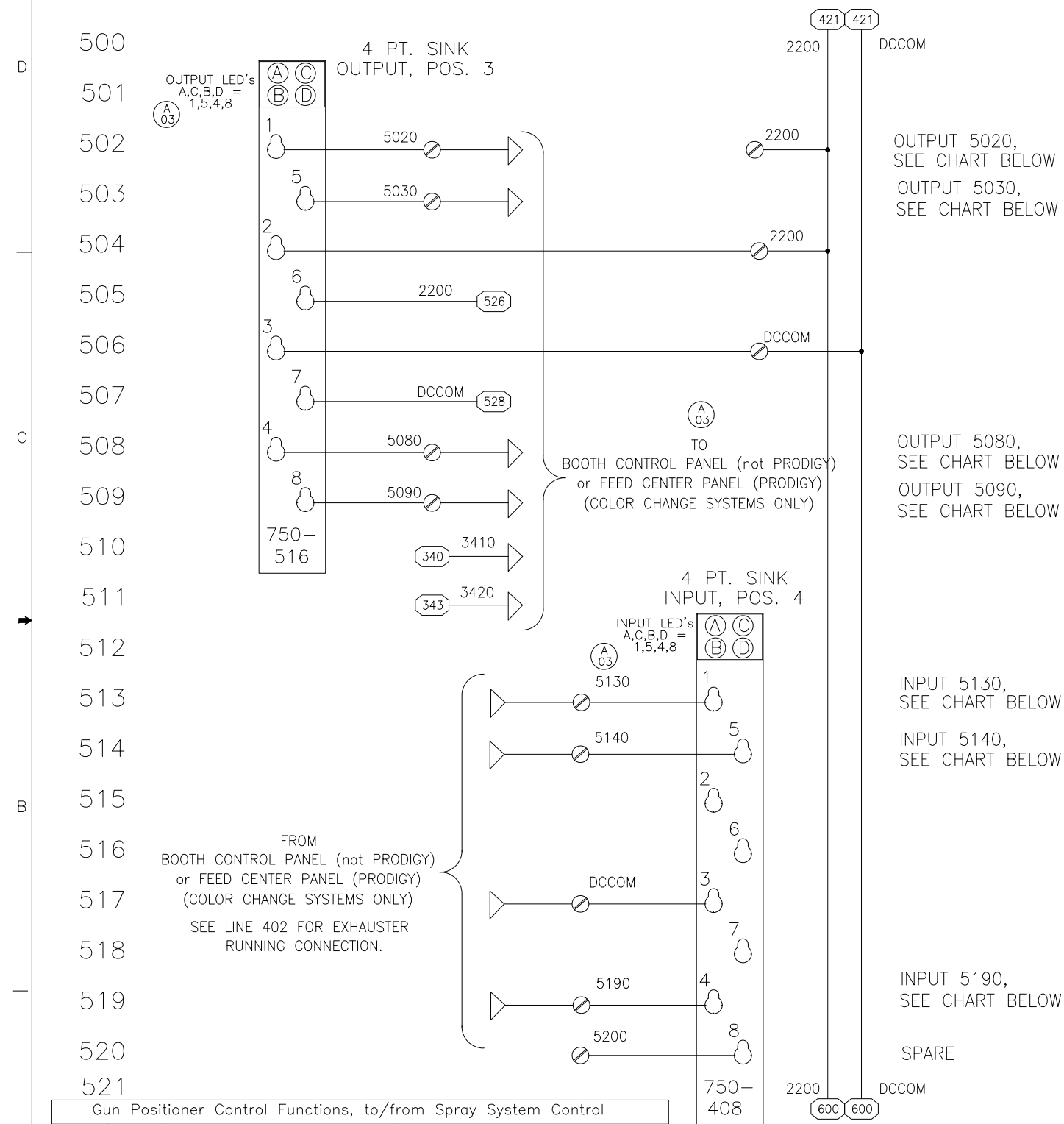


		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
1056206	X.XX +/- .030	X.XXX +/- .010	DRAWN BY	BL	DATE 26JUL04
NEXT ASSEMBLY	MACHINED SURFACES	125° AA	CHECKED BY	---	BL
FIRST PRODUCT USED ON	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE37282	
IN-OUT POSITIONER	THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL PANEL, GUN POSITIONER, iCONTROL		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THIRD ANGLE PROJECTION		CONTROL NUMBER 1055889		
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES			SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	REV. A16
			PAGE 3 / 6		



ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D	NORDSON CORPORATION	
SIZE		SIZE	POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
1056206	X.XX +/- .030 X.XXX +/- .010	DRAWN BY	BL	DATE 26JUL04
NEXT ASSEMBLY	MACHINED SURFACES 125 ✓ AA	CHECKED BY	--	APPROVED BY BL
FIRST PRODUCT USED ON	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	REL NO	PE37282	
IN-OUT POSITIONER	THREAD LENGTH DIMS. ARE FULL THREAD	CONTROL NUMBER		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	1055889		
THIRD ANGLE PROJECTION		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	REV. A16
		PAGE 4 / 6		

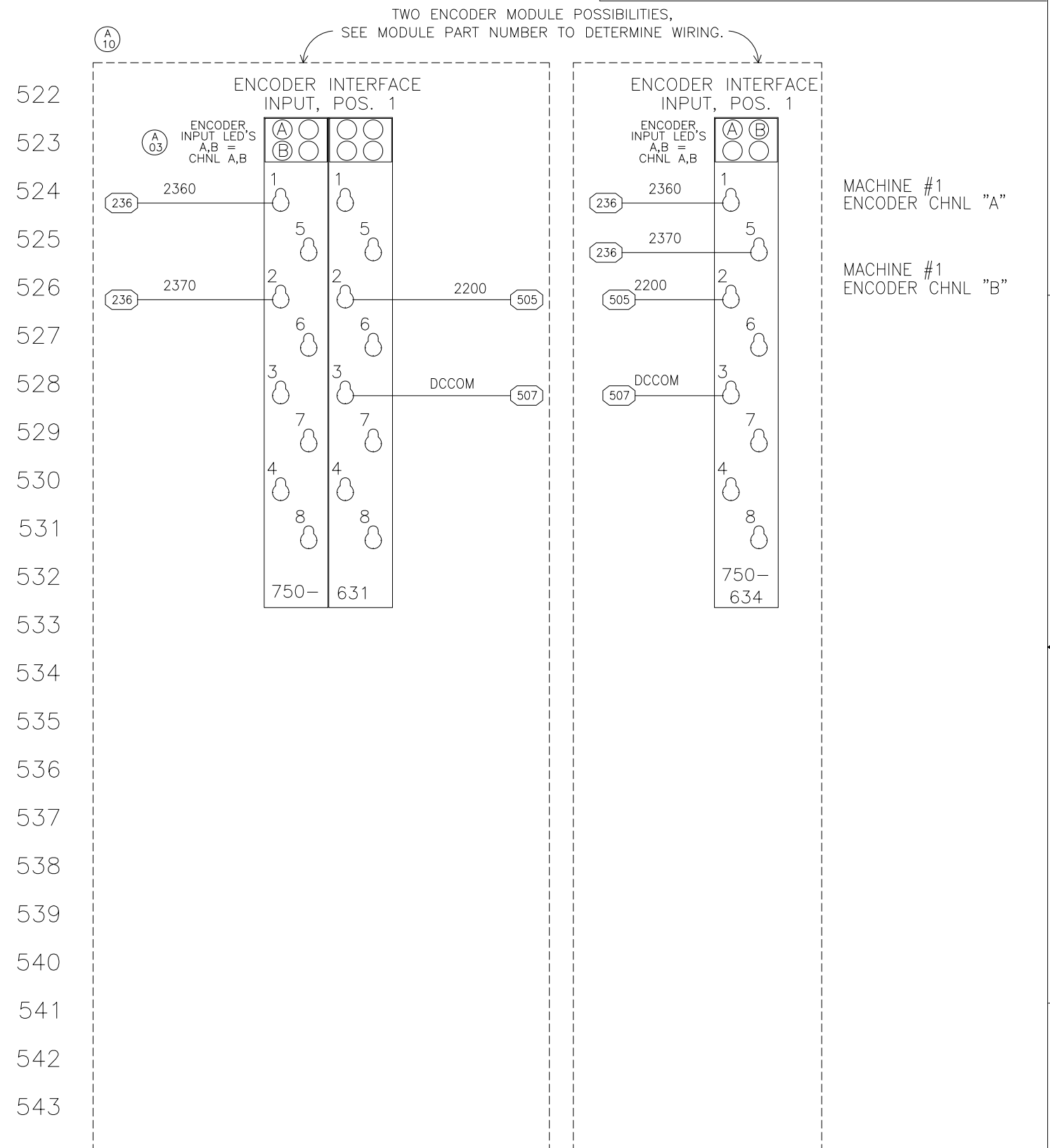
NOTICE	THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.
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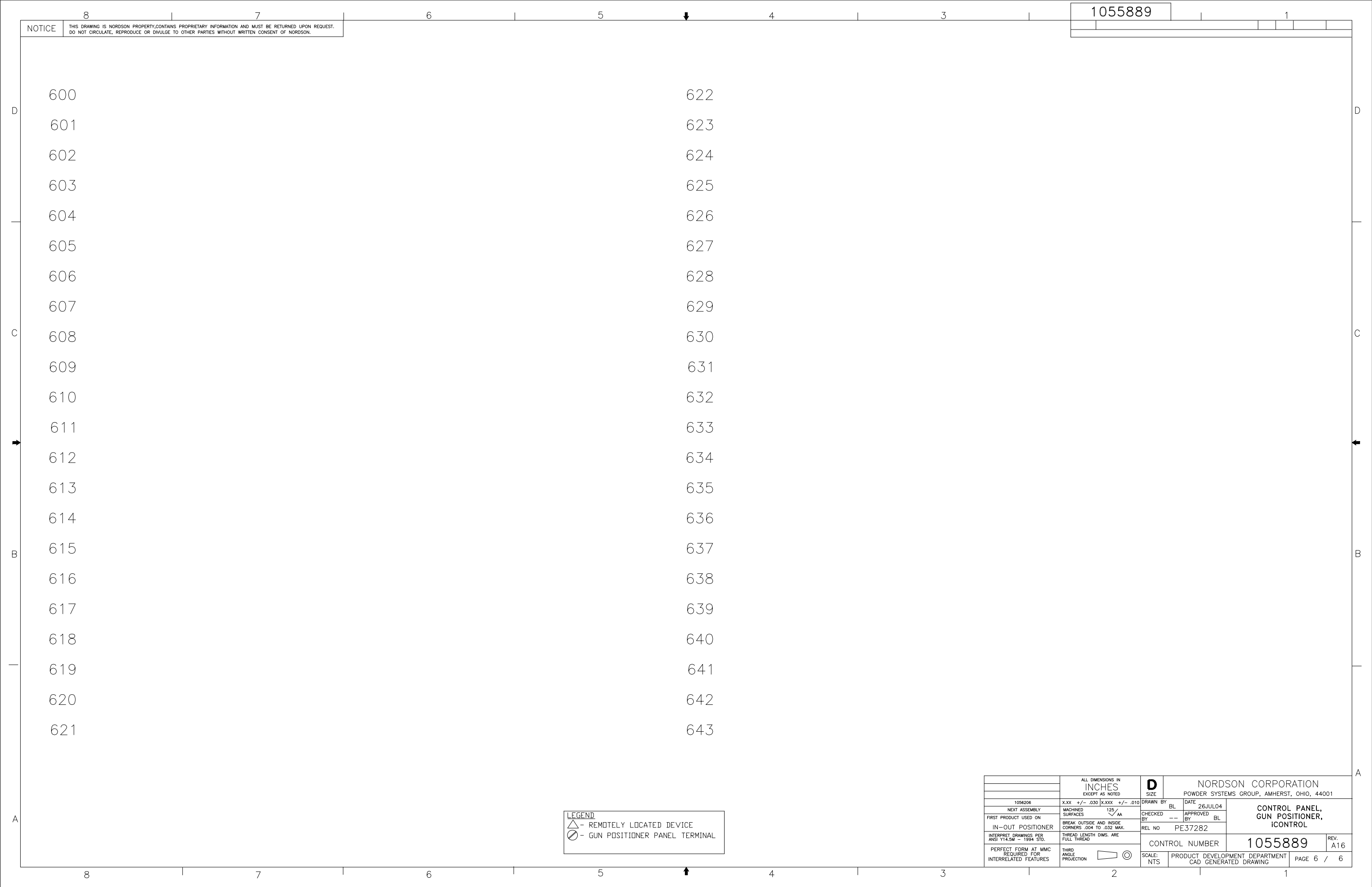
Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GP1, GP2, etc.)	Prodigy (GP1 only)
5020	OUTPUT	Mechanical Brake Control	* Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	External Blowoff Air Control	External Blowoff Air Control (all GP's)
5080	OUTPUT	Ready for Color Change	Color Change Start From iControl
5090	OUTPUT	External Blowoff Cycle Complete	Purge & Blowoff Cycle Complete
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run External Blowoff Cycle	Run Color Change Cycle
5190	INPUT	Internal Purge Cycle Complete	Spare
5200	INPUT	Spare	Spare

* "Mechanical Brake Control" function active if vertical gun positioner.
If Oscillator, then brake function is disabled, positioner is not vertical.

LEGEND
 - REMOTELY LOCATED DEVICE
 - GUNMOVER PANEL TERMINAL



		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
1056206		X.XX +/- .030 X.XXX +/- .010		DRAWN BY BL		DATE 26JUL04	
NEXT ASSEMBLY		MACHINED SURFACES 125 AA		CHECKED BY --		APPROVED BY BL	
FIRST PRODUCT USED ON				REL NO		PE37282	
IN-OUT POSITIONER		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CONTROL PANEL, GUN POSITIONER, iCONTROL			
INTERPLOT DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD					
				CONTROL NUMBER		1055889	
						REV. A16	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
						PAGE 5 / 6	



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1055889

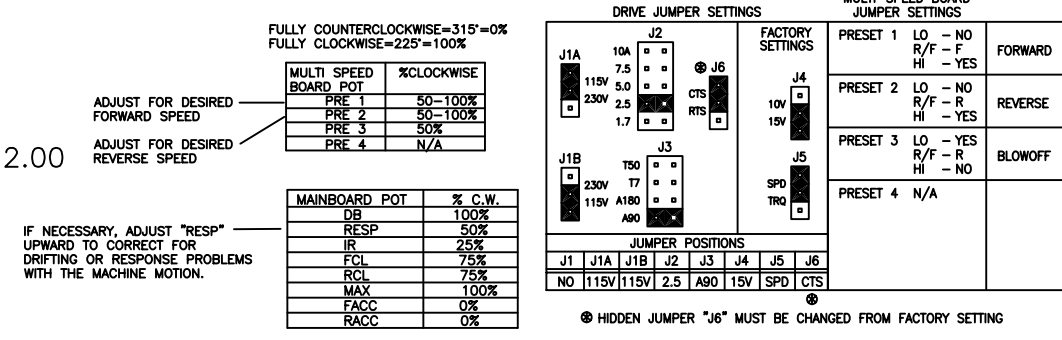
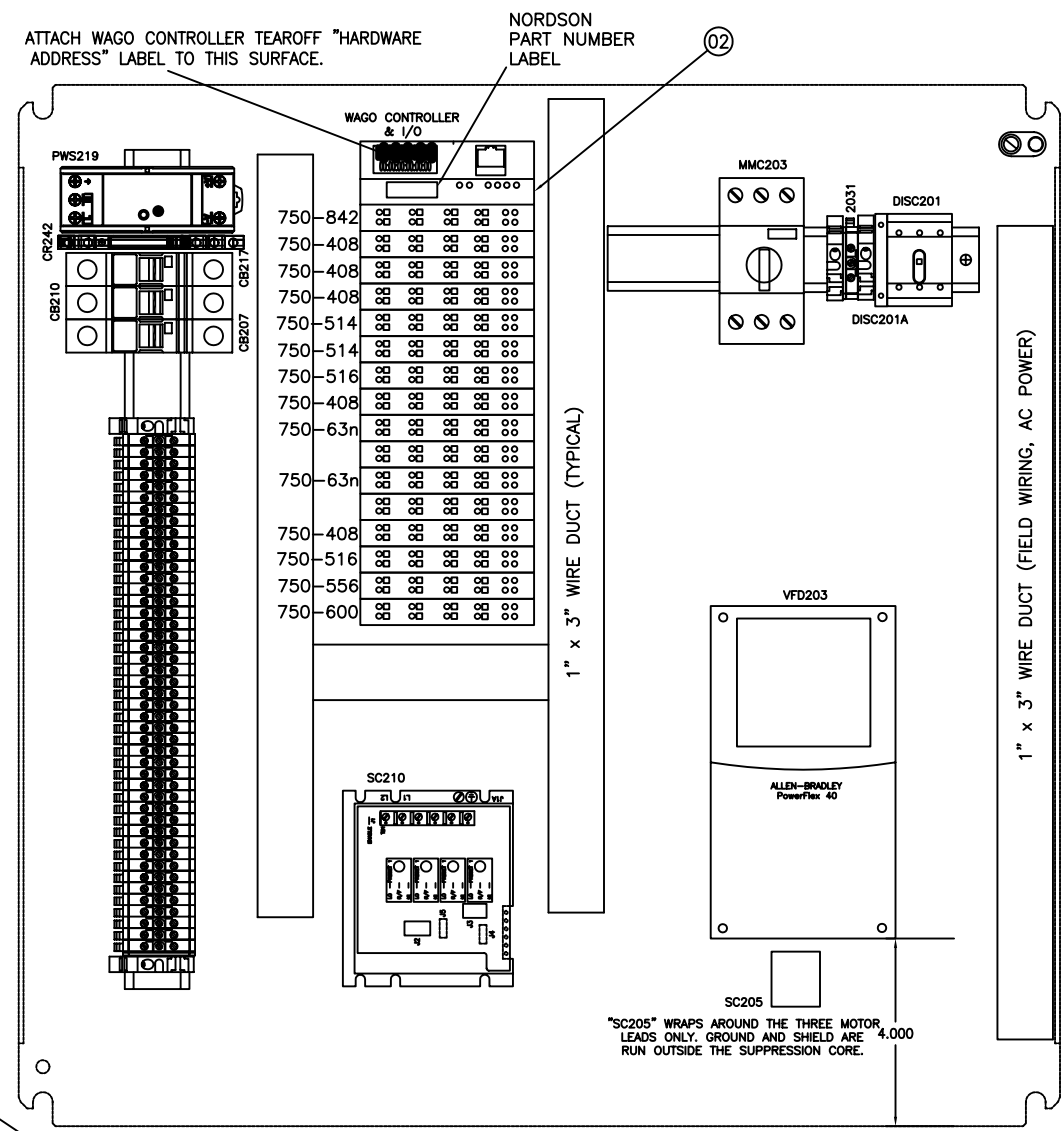
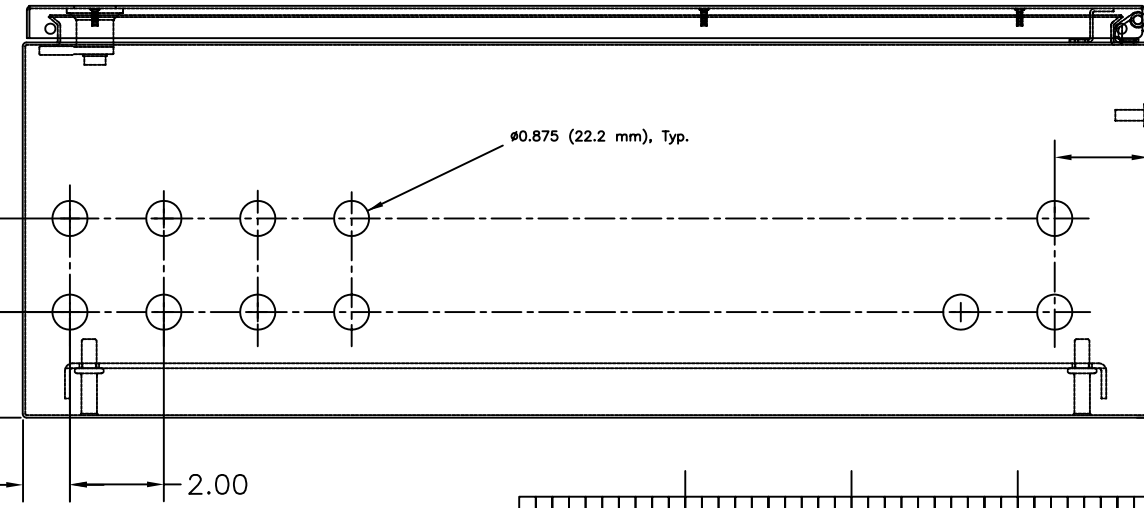
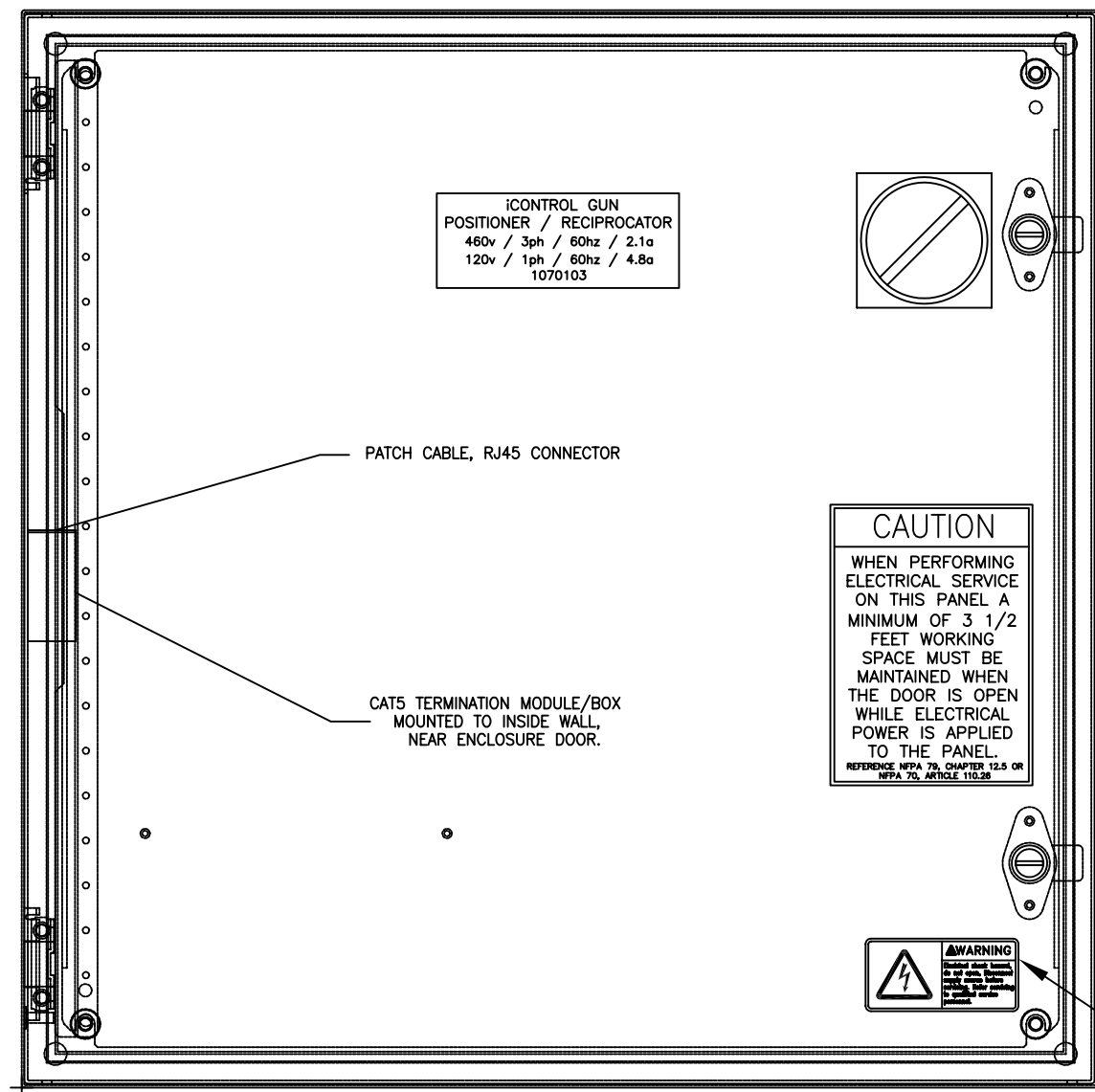
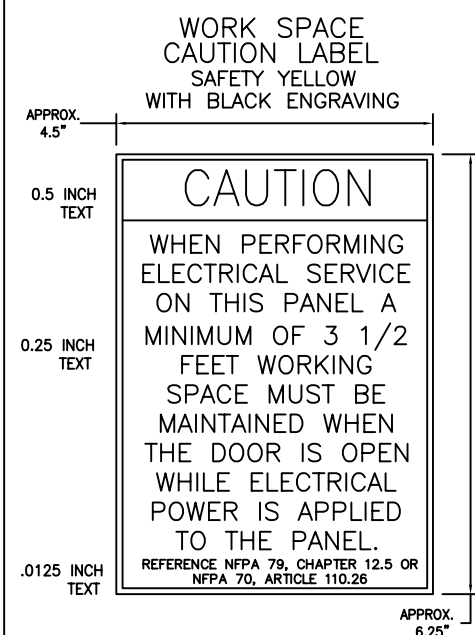
LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUN POSITIONER PANEL TERMINAL

	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED	D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001		
1056206	X.XX +/- .030 X.XXX +/- .010	DRAWN BY	BL	DATE	26JUL04
NEXT ASSEMBLY	MACHINED SURFACES 125 / AA	CHECKED BY	--	APPROVED BY	BL
FIRST PRODUCT USED ON	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	REL NO	PE37282		
IN-OUT POSITIONER	THREAD LENGTH DIMS. ARE FULL THREAD	CONTROL NUMBER		1055889	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THIRD ANGLE PROJECTION	SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		REV. A16
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES				PAGE 6 /	6

NOTICE			
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VENDOR'S BILL OF MATERIAL			
QTY	ITEM	PART NO.	MFG.
1	ENCLOSURE	SEE INVERTER CHART	HOFFMAN
1	SUB-PLATE	C-P2424	HOFFMAN
A/R	DIN RAIL	D5PD2-20	CUTLER-HAMMER
4	END ANCHOR	C383ES35	CUTLER-HAMMER
2	END PLATE	C383AP4	CUTLER-HAMMER
46	TERMINAL BLOCK	C383RK254	CUTLER-HAMMER
1	JUMPER	C383JC402	CUTLER-HAMMER
1	GROUND TERMINAL	PK7GTA	SQUARE D
1	GROUND LUG	----	----
1	CIRCUIT BREAKER	WMS1C4	CUTLER-HAMMER
1	CIRCUIT BREAKER	WMS1D10	CUTLER-HAMMER
1	CIRCUIT BREAKER	WMS1C2	CUTLER-HAMMER
A/R	WIRE DUCT, 1" x 3"	---	---
1	WORKING SPACE CAUTION LABEL, SAFETY YELLOW WITH BLACK ENGRAVING	CUSTOM	---
1	RELAY, 120VAC, SPDT, DIN-RAIL MOUNT	700-HLT1U1	ALLEN-BRADLEY
1	POWER SUPPLY, 30 WATT	PS5R-SC24	IDEC
1	DISCONNECT SWITCH	OT16E3	ABB
1	HANDLE	OHB2AJ1	ABB
1	SHAFT	OXSS180	ABB
1	ADAPTER, PADLOCK, OPEN PANEL	DS-SA1	ABB
1	AUX. CONTACT, DISCONNECT	----	ABB
1	INVERTER, 3-PH, 1-HP	SEE INVERTER CHART	ALLEN-BRADLEY
1	EMI SUPPRESSION CORE, SPLIT HALVES (SC205)	0043167251	FAIR-RITE
1	MANUAL MOTOR CONTROLLER	SEE INVERTER CHART	CUTLER-HAMMER
1	DC DRIVE	KBMG-212D	KB ELECTRONICS
1	MULTI-SPEED BOARD	8833	KB ELECTRONICS
1	PROGRAMMED ETHERNET FIELD BUS CONTROLLER, WAGO pr750-842	SEE ITEM 02	NORDSON
5	MODULE, INPUT, SINK, 4 PT.	750-408	WAGO
2	MODULE, OUTPUT, SINK, 4 PT.	750-516	WAGO
2	MODULE, OUTPUT, RELAY, 2 PT.	750-514	WAGO
2	MODULE, INTERFACE, ENCODER	750-631	WAGO
2	MODULE, INTERFACE, ENCODER	750-634	WAGO
1	MODULE, OUTPUT, ALG., +/- 10VDC	750-556	WAGO
1	MODULE, END	750-600	WAGO
1	MAX MODULE, CAT5, ETHERNET	MX5-F02	SIEMON
1	CONNECTOR BOX, 1-PORT, ETHERNET	MX-SM1-02	SIEMON
1	PATCH CABLE, CAT5e, T568B, ETHERNET, 24"	----	----

* - 750-631 AND 750-634 ARE INTERCHANGABLE MODULES, 750-634 REPLACING 750-631.
- MARK THIS ITEM AS "SC205". FOR SHIPMENT, SECURE VIA CLEAR PACKING TAPE TO THE FRONT COVER OF THE INVERTER, ITEM VFD203.

INVERTER CHART					
3-PH VOLTS	208	230	380	480	575
CONTROLLER	A-302JN	A-302HN	A-302GN	A-302GN	A-302GN
INVERTER	22B-B5P0N104		22B-D2P3N104		22B-E1P7N104
ENCLOSURE	C-SD24248				



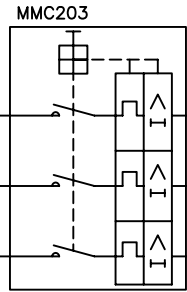
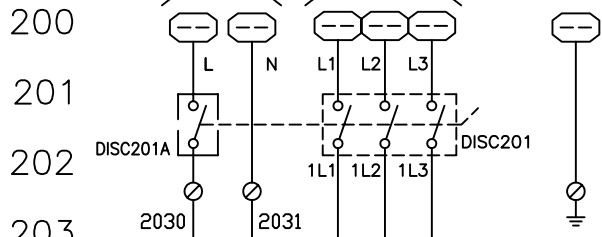
02	L	1055963	CONTROLLER, PROGRAMMED, GUN POS'R iCONTROL	1
01	L	226709	LABEL, WARNING, CONTROL PANEL	1
ITEM	ICT	PART NO.	DESCRIPTION	QTY.
NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001				
PANEL, iCONTROL POSITIONER, RECIPROCATOR				
CONTROL NUMBER 1070103				
REV. A11				
SCALE: NTS				
PRODUCT DEVELOPMENT DEPARTMENT				
CAD GENERATED DRAWING				
PAGE 1 / 6				

8 7 6 5 4 3 2 1

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USERS 120V
1PH, 60 Hz,
10 AMP SUPPLY

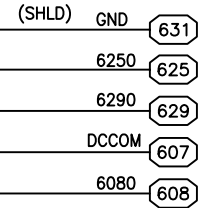
USERS 3PH,
60Hz SUPPLY



VFD203

Allen-Bradley
PowerFlex 40

DIP-SWITCH
SETTINGS
0-10V ☒
0-20mA ☒
SNK ☒
SRC ☐



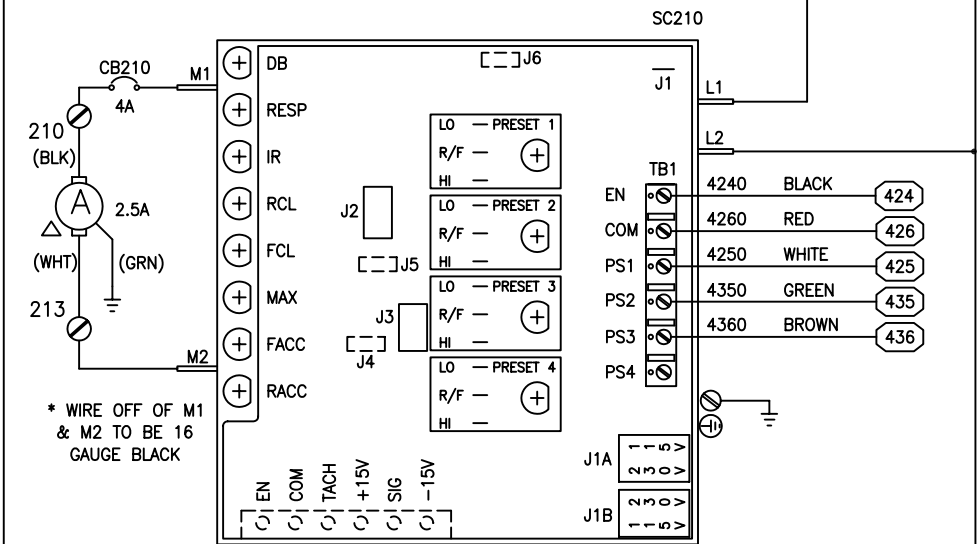
PARAMETER SETTINGS		
P	VALUE	DESCRIPTION
P031	A/R	MOTOR NAMEPLATE "VOLTS"
P033	A/R	MOTOR NAMEPLATE "FULL LOAD AMPS"
P035	70	MAXIMUM FREQUENCY
P036	2	START SOURCE - "2-WIRE"
P037	4	STOP MODE - "RAMP"
P038	2	SPEED REFERENCE - "0-10V INPUT"
P039	0.2	ACCELERATION TIME
P040	0.2	DECELERATION TIME
A123	1	10V BIPOLAR ENBL - "BI-POLAR IN"

TO CHANGE PARAMETERS:
REFER TO ALLEN-BRADLEY POWERFLEX 40 USERS MANUAL, VIEWING AND
EDITING PARAMETERS.

RECIPROCATOR MOTOR
3 PH, 1 HP, INVERTER DUTY

"SC205" WRAPS AROUND THE THREE MOTOR
LEADS ONLY. GROUND AND SHIELD ARE
RUN OUTSIDE THE SUPPRESSION CORE.

2030 CB207 2070
10A
("D" CURVE)

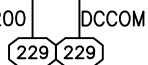
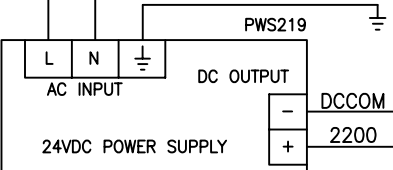


* WIRE OFF OF M1
& M2 TO BE 16
GAUGE BLACK

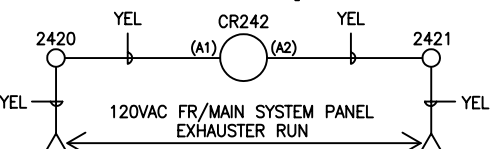
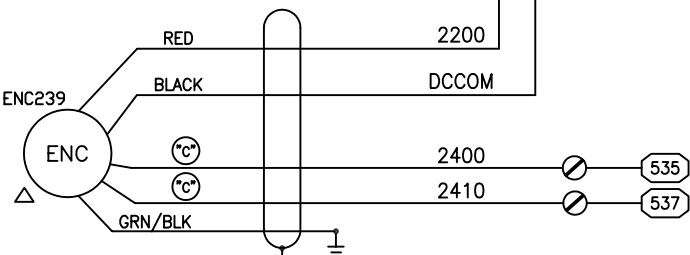
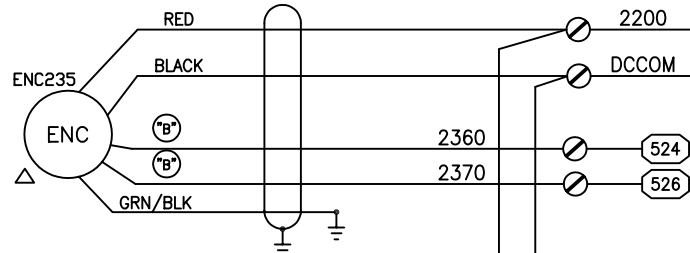
W/MULTI-SPEED BOARD
KBMG-212D/8831
90VDC, 1/4HP, 4A

ENABLE
COMMON
FORWARD/EXTEND
REVERSE/RETRACT
BLOWOFF/SLOW RETRACT

24VDC POWER SUPPLY
30 W, 1.3 A



POSITIONER ENCODER RESOLUTION AND WIRING		
BASE TYPE	PULSE/INCH ("A")	WIRING ("B")
RACK & PINION 1018682	262	2360 = GREEN 2370 = ORANGE
BELT-DRIVE 1056206	224	2360 = ORANGE 2370 = GREEN



MACHINE #1
ENCODER
("A") PULSE/INCH

MACHINE #2
ENCODER
64 PULSE/INCH

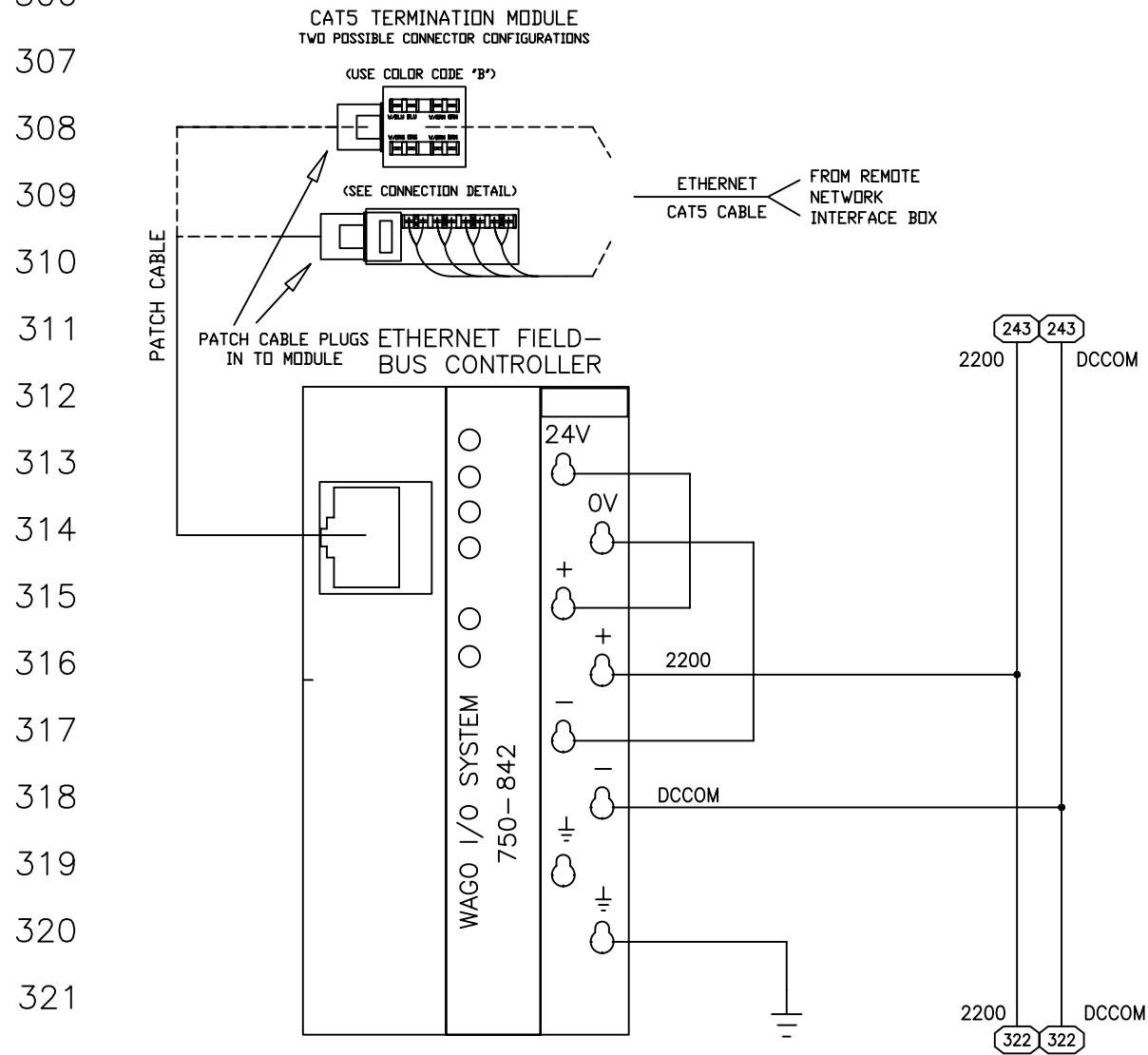
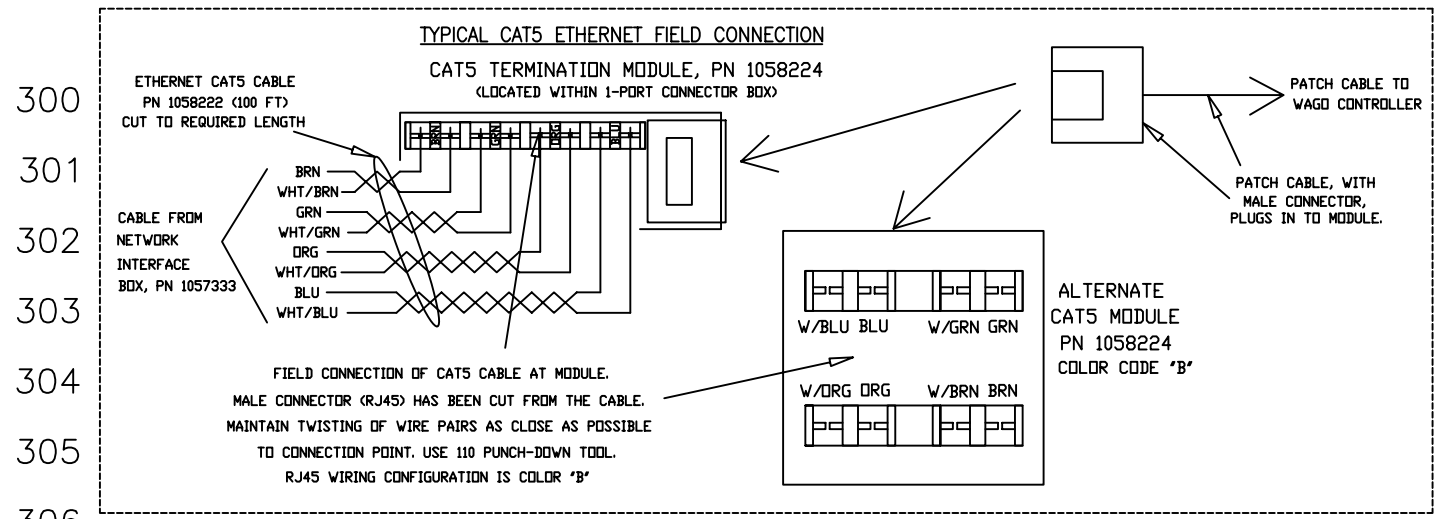
EXHAUSTER RUN
INTERLOCK
402

RECIPROCATOR ENCODER WIRING	
"0" POSITION at	WIRING ("C")
FORWARD LIMIT (DEFAULT/TESTING)	2400 = ORANGE 2410 = GREEN
REVERSE LIMIT (OPTIONAL)	2400 = GREEN 2410 = ORANGE

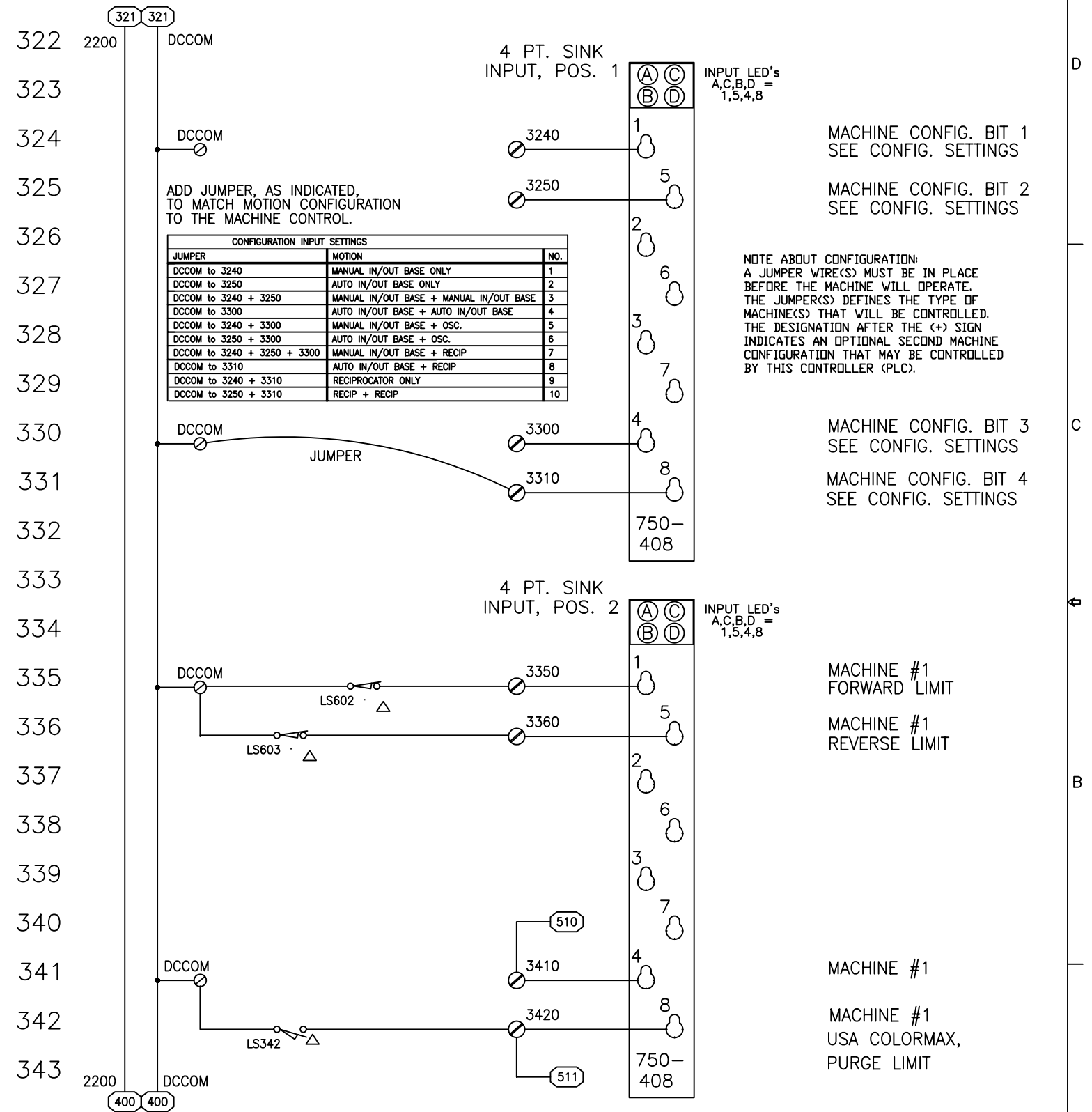
LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNDOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
X.XX +/- .030 X.XXX +/- .010	125 AA	DRAWN BY	BL	DATE	3JUN05
MACHINED SURFACES		CHECKED BY	BL	APPROVED BY	BL
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE300399		
THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER		1070103	
THIRD ANGLE PROJECTION		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		PAGE 2 / 6	

PANEL CONTROL
POSITIONER,
RECIPROCATOR
REV. A11



CONFIGURATION INPUT SETTINGS		
JUMPER	MOTION	NO.
DCCOM to 3240	MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250	AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250	MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300	AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300	MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300	AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300	MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310	AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310	RECIPROCATOR ONLY	9
DCCOM to 3250 + 3310	RECIP + RECIP	10

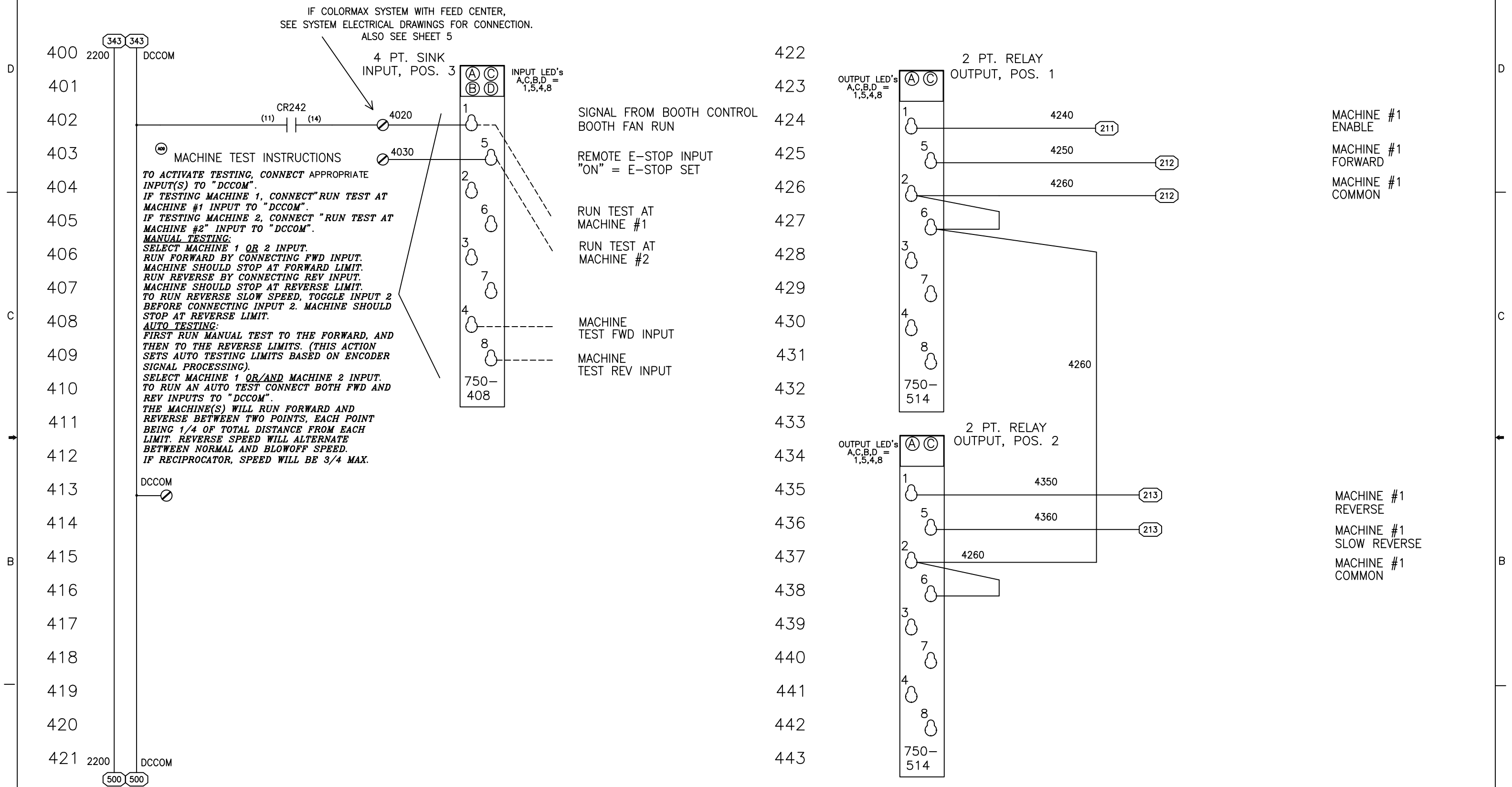


LEGEND

△ - REMOTELY LOCATED DEVICE

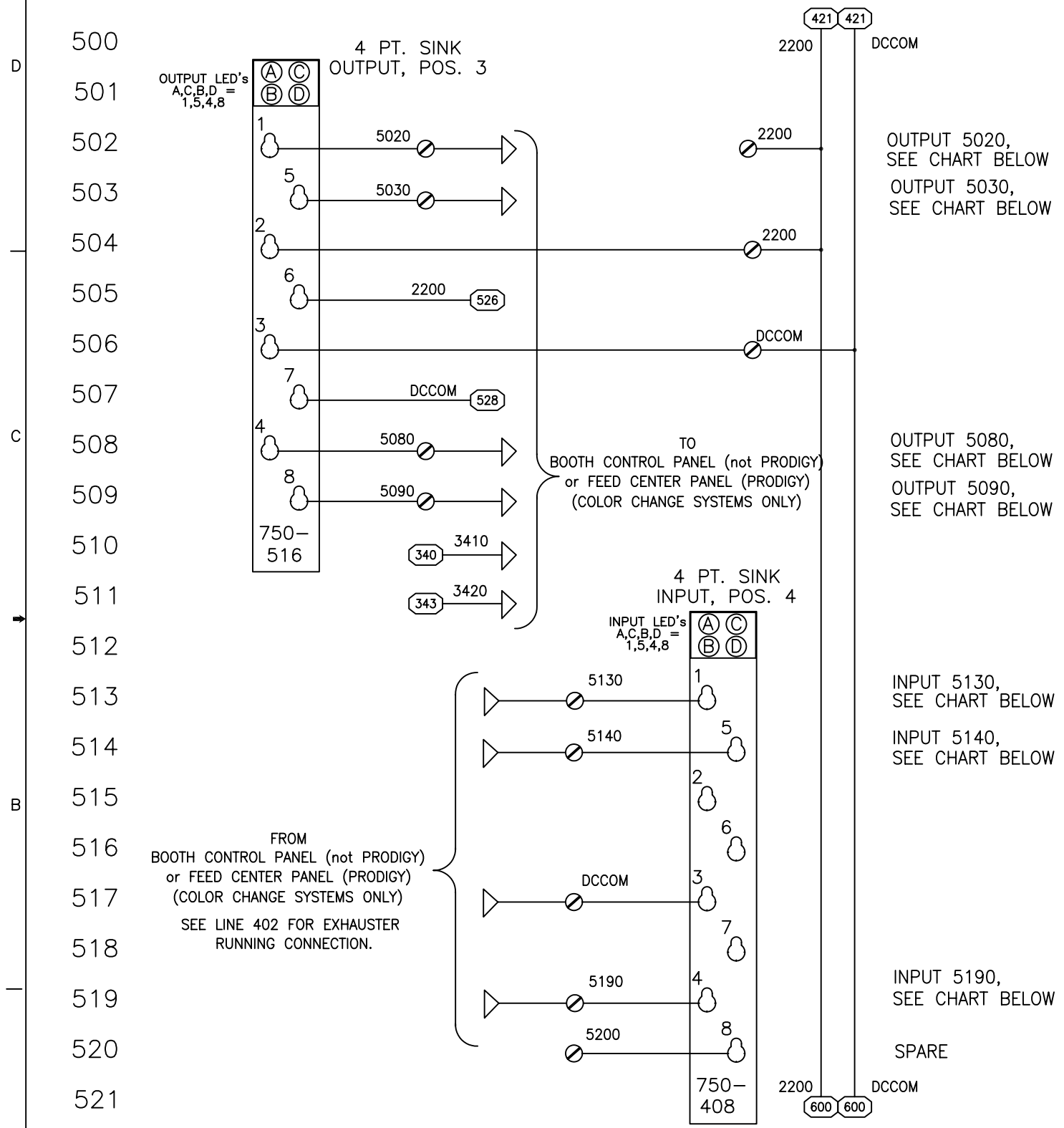
⊗ - GUNMOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION		DATE	3/JUN/05	PANEL CONTROL POSITIONER RECIPROCATOR
			POWER SYSTEMS GROUP, AMHERST, OHIO, 44001				
X.XX +/- .030 X.XXX +/- .010		DRAWN BY	BL				
MACHINED SURFACES 125 MA		CHECKED BY	BL	APPROVED BY	BL		
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE300399				
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		CONTROL NUMBER				1070103	REV. A11
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
						PAGE 3 / 6	



LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

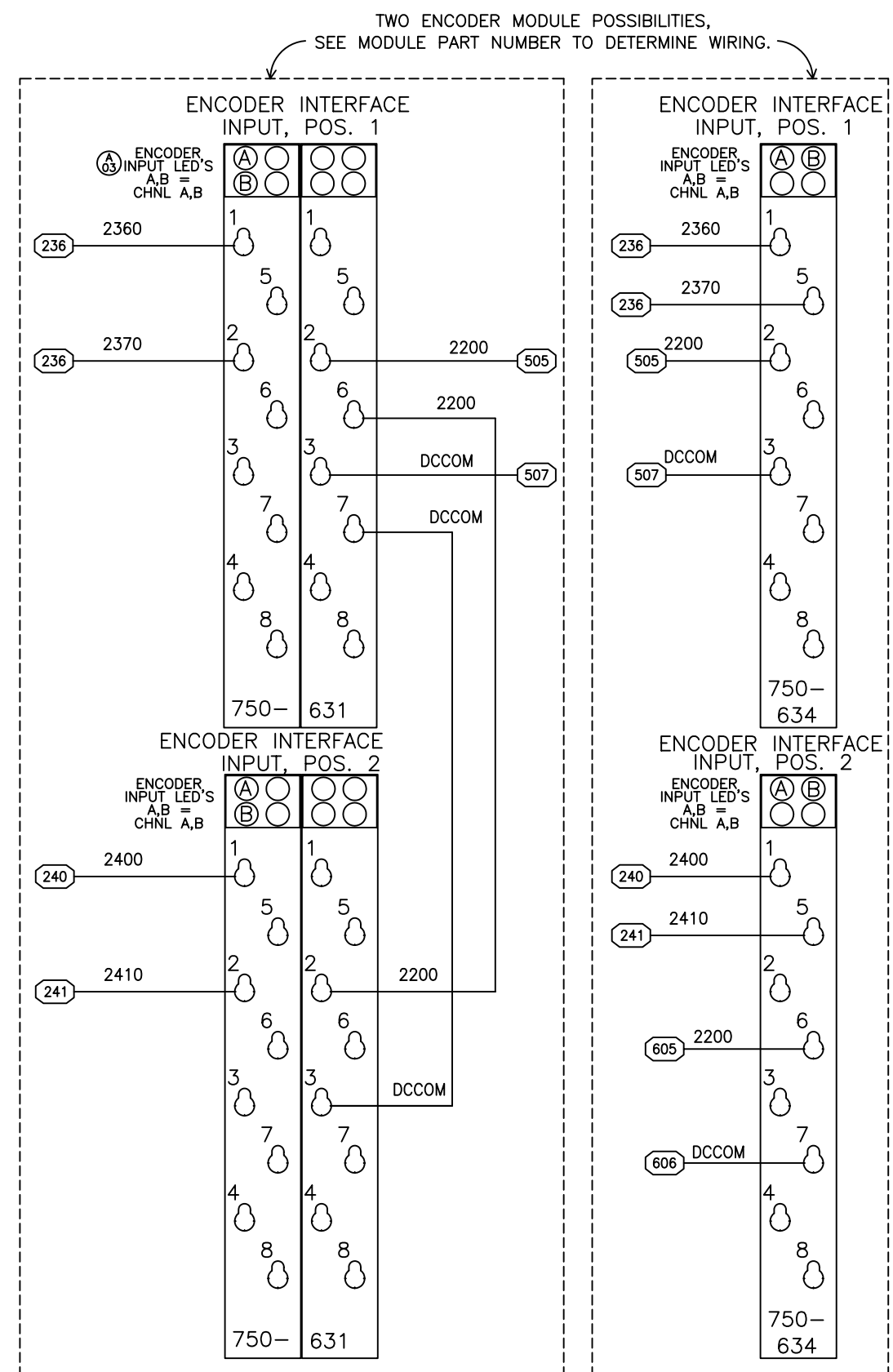
ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
		DRAWN BY	BL	DATE	3JUN05
		CHECKED BY	BL	APPROVED BY	BL
		REL NO	PE300399		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		1070103	
		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		REV. A11
			PAGE 4 / 6		



Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GM1 & GM2)	Prodigy (GM1 only)
5020	OUTPUT	Mechanical Brake Control	Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	External Blowoff Air Control	External Blowoff Air Control
5080	OUTPUT	Ready for Color Change	Spare
5090	OUTPUT	External Blowoff Cycle Complete	Purge & Blowoff Cycle Complete
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run External Blowoff Cycle	Run Color Change Cycle
5190	INPUT	Internal Purge Cycle Complete	Spare
5200	INPUT	Spare	Spare

LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543



ALL DIMENSIONS IN INCHES EXCEPT AS NOTED

X.XX +/- .030 | X.XXX +/- .010

MACHINED SURFACES 125 AA

BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.

THREAD LENGTH DIMS. ARE FULL THREAD

PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES

D SIZE

NORDSON CORPORATION

POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001

DATE 3JUN05

3JUN05

PE300399

CONTROL NUMBER

1070103

REV. A11

SCALE: NTS

PRODUCT DEVELOPMENT DEPARTMENT

CAD GENERATED DRAWING

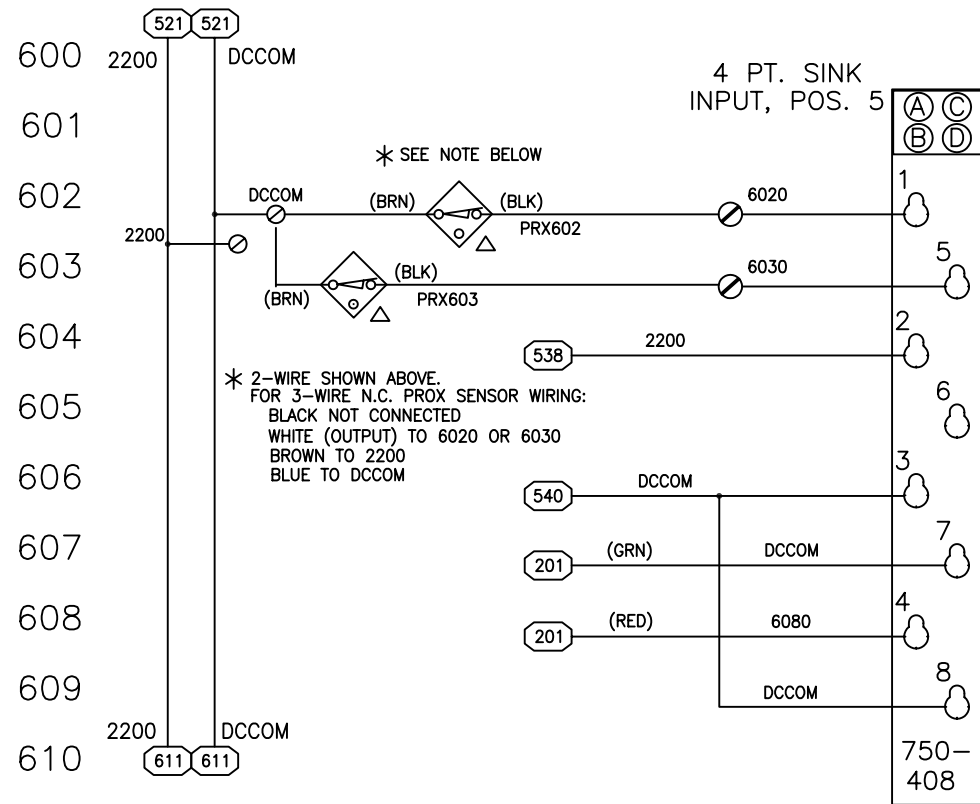
PAGE 5 / 6

D

C

B

A



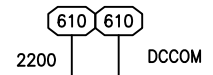
INPUT LED's
A,C,B,D =
1,5,4,8

MACHINE #2
FORWARD LIMIT

MACHINE #2
REVERSE LIMIT

MACHINE #2
READY

MACHINE #2
RECIPROCATOR MOVEMENT
WARNING/DELAY DISABLE

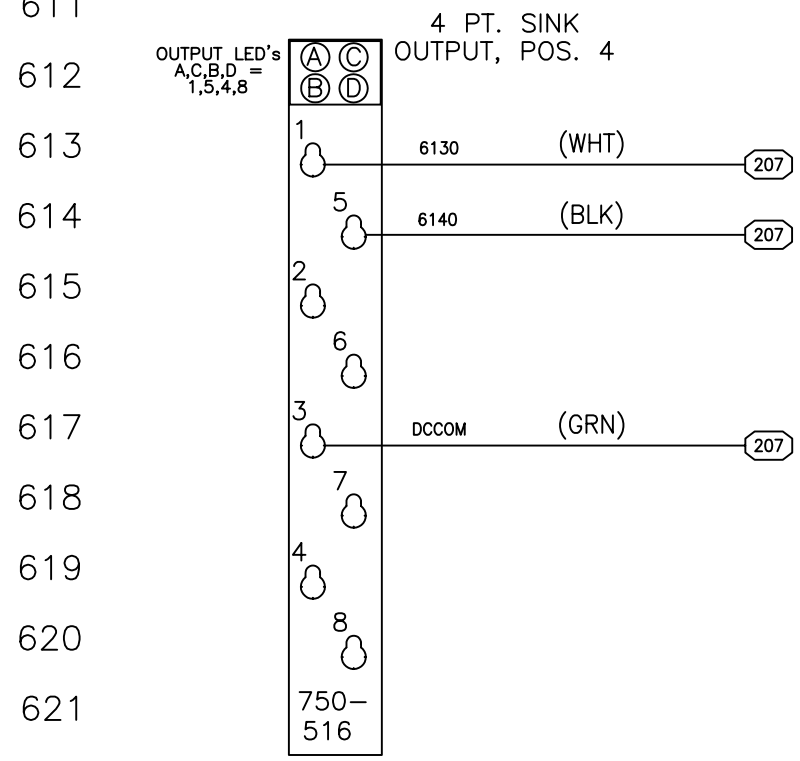


MACHINE #2
ENABLE

MACHINE #2
INJECTION BRAKE

MACHINE #2
IMPENDING MOVEMENT
AUDIBLE WARNING

SPARE



LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUN POSITIONER PANEL TERMINAL

622

623

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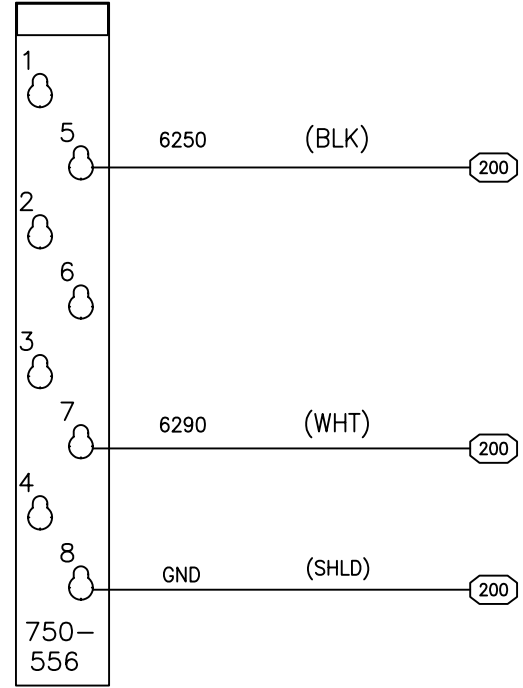
640

641

642

643

ANALOG OUTPUT
+/- 10 VDC



MACHINE #2
ANALOG OUTPUT (+)

MACHINE #2
ANALOG OUTPUT (-)

NOTE: ANALOG OUTPUT MODULE MUST BE PHYSICALLY POSITIONED AFTER ENCODER MODULE(S).

D

C

B

A

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
X.XX +/- .030	X.XXX +/- .010	DRAWN BY	BL	DATE	3JUN05
MACHINED SURFACES	125 AA	CHECKED BY	BL	APPROVED BY	BL
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	THREAD LENGTH DIMS. ARE FULL THREAD	REL NO	PE300399		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	CONTROL NUMBER		1070103	REV. A11
THIRD ANGLE PROJECTION		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 6 / 6

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ITEM	DESIGNATION	MFG PART NO.	DESCRIPTION	QTY	MFG	NORDSON PART NO.
0			REF DWG, ASSY PANEL, GUN POSITIONER	0		1078407
101		A-1614CH	ENCLOSURE, CONT HINGE, 16x14x6	1	HOFFMAN	1078420
102		CUSTOM	LABEL SET, GUN POSITIONER	1	-----	1078684
103		8002-ISO	TAG, WARNING, ELECT SHOCK HAZARD, 1.00x.88	1	SAFETY LABEL SOLUTIONS	1075692
104			LABEL, IDENTIFICATION, 1.00 X 2.00	1		1005678
105		0514500000	TBACCY, DIN, RAIL, SLOT, 35x2M-LG	.49M	WEIDMULLER, INC	239214
106			SCR, HEX, SELF TAP, 10-32X .500, Z	6		981137
107		A-16P14	ENCLACCY, PANEL, 14.75x12.88, 14GA	1	HOFFMAN	1078422
108		F1x3LG6	WIREWAY, 1 X 3	.17	PANDUIT	1046393
109	GROUND	PK7GTA	BUSBAR, GND, 100A, 7 POS	1	SQUARE D	1046405
110	SC210	KBMG-212D WITH 8833	CONTROLLER, DC DRIVE W/ SP BD, GUN PSNR	1	KB ELECTRONICS	1046921
111			SCR, HEX, SELF TAP, SLTD, 8-32X.50, TYPE T, Z	4		1083981
112	CB207	1DU10	CIRCUIT BREAKER, 1 POLE, 10 AMP, 10-20 xl n	1	ALTECH	1078518
113	CB210	1CU8	CIRCUIT BREAKER, 1 POLE, 8 AMP, 5-10 xl n	1	ALTECH	1092954
114	PWS219	SPD24301	POWER SUPPLY, DIN RAIL, MT, 30W, 24-28VDC	1	CARLO GAVAZZ1	1080749
115			MODULE GROUP, I/O, WAGO	1	WAGO	1078669
116		C1LG6	COVER, 1	1FT	PANDUIT	1046394
117	FU217	1492-H6	FUSE HOLDER, DIN RAIL, 1/4 X 1-1/4" FUSES	1	ALLEN BRADLEY	341366
118	FU217	MDL-1-R	FUSE, 2AMP, SLO-BLO, 250V, 3AG, 313	1	BUSSMANN	939016
119	FU217	1492-N37	END, PLATE, AB FUSE	1	ALLEN BRADLEY	341367
120		1492-J4	TERMINAL BLK, GRAY, IEC, 22-10 AWG, JG4	30	ALLEN BRADLEY	1075583
121		1492-EAJ35	ANCHOR, END	2	ALLEN BRADLEY	306318
122	CR242	700-HLT1U1	RELAY, TERM BLK, SPDT, 110/125V AC/DC	1	ALLEN BRADLEY	1071600
123		1492-JG4	TERMINAL BLK, GND, GRN/YEL, IEC, 22-10 AWG, JG4	1	ALLEN BRADLEY	1075665
124		1492-J4-Y	TERMINAL BLK, YELLOW, IEC, 22-10 AWG, JG4	2	ALLEN BRADLEY	1075694
125		1492-EBJ3	BARRIER, TBACCY, END, DIN, GRAY, J SERIES	2	ALLEN BRADLEY	1075584
126			WIRE, 105C, 18GA, BLUE, 600V	31.5		335174
127			STRND WIRE, 14 AWG, YEL, 600V, 105C	3		1079956
128			WIRE, VINYL, 14AWG, GREEN W/YELLOW	4.75		931191
129			WIRE, VINYL, 14AWG, RED	7.5		931296
130			WIRE, VINYL, 14AWG, WHITE	3		931268
131			WIRE, VINYL, 18AWG, RED	9		931170
132			STRAP, CABLE, .875 DIA	7		939110
133	PATCH CABLE	UTPCH2	CABLE, RJ45 TO RJ45, 2FT	1	PANDUIT	282960
134			PREFIX RESERVED	1		000000
135			PREFIX RESERVED	1		000000
136			TERMINAL, RINGTONG, INS, 16-14, 10	1		933054
137			NUT, HEX, MACH, #10-32, BRASS	2		984129
138			WASHER, LK, E, SPT, #10, STL, NI	1		983120
139			WASHER, FLT, E, 203X.406X.040, BR	1		983021
140		1492-CJLJ6-10	JUMPER, TERM BLOCK, 10 POLE, CTR PLUG IN	1	ALLEN BRADLEY	1078531
141			QUICKCONN, INS, FEM, .250" X .032", 14-16AWG	4		1049966
142			TERMINAL, FLG, SPADE, INS, 16-14, 6	1		933184
143			LABEL SET, PANEL WIRING FOR 1055889	1		1079873
144			WASHER, LK, E, INT, #10, STL, ZN	4		983124
145			LABEL, BLANK, 3.00X5.00	1		603348
146			MOUNT, CABLE STRAP	4		242837
147			CONTROLLER, PROGRAMMED, GUN POS'R ICONTROL	1		1055963
148		BPF-7/8	CAP, FLUSH, 7/8 DIA	3	CAPLUGS DIVISION	900809
149		FIT-221-1/8 BLACK	TUBING, HEAT-SHRINK, .125ID	3 IN	ALPHA WIRE	931315
150	CON211	1R3004A20F030	RECEPTACLE, 3-PIN, FEMALE, 16AWG, 36LG	1	BRAD-HARRISON	-----
151	CON701	CKA-03I	BULKHEAD HOUSING	1	MENCOM	7750215
152	CON701	CQF-12	INSERT, FEMALE, 12 POLE	1	MENCOM	-----
153	CON701	CDFA 0.3	SOCKETS, FEMALE, CRIMP, 28-22AWG	9	MENCOM	-----
154			PREFIX RESERVED	1		000000

* CUT JUMPER AS NEEDED FOR REQUIRED LENGTHS.

OPTION: PLUG & SPRAY BOOTH B.O.M.

	DESIGNATION	PART NO.	ITEM	QTY	MFG.	NORDSON PART NO.
155	CON201A		NUT, LOCK, 1/2 CONDUIT	1		984526
156	CON201A		SEAL, CONDUIT FITTING, 1/2, BLUE	1		939122
157	CON201A	MIN-5MR-3	RECEPTACLE, 5 PIN, MALE, 16 AWG, 36 IN LEADS	1	MENCOM	1087623
158	CON308	ENSP1F5	RECEPTACLE, FEMALE-FEMALE, BULKHEAD, RJ45	1	WOODHEAD	1091863

* ITEM 15 I/O MODULE GROUP COMPONENT BREAKDOWN.

MFG PART NO.	DESCRIPTION	QTY	MFG
750-408	4-CHANNEL DIGITAL INPUT MODULE DC 24V	4	WAGO
750-514	2-CHANNEL RELAY OUTPUT MODULE AC 125V, DC 30V	2	WAGO
750-516	4-CHANNEL DIGITAL OUTPUT MODULE DC 24V	1	WAGO
750-634	INCREMENTAL ENCODER INTERFACE	1	WAGO
750-600	END MODULE	1	WAGO

FULLY COUNTERCLOCKWISE=315°=0%
FULLY CLOCKWISE=225°=100%

MULTI SPEED BOARD POT	%CLOCKWISE
PRE 1	50-100%
PRE 2	50-100%
PRE 3	00%
PRE 4	N/A

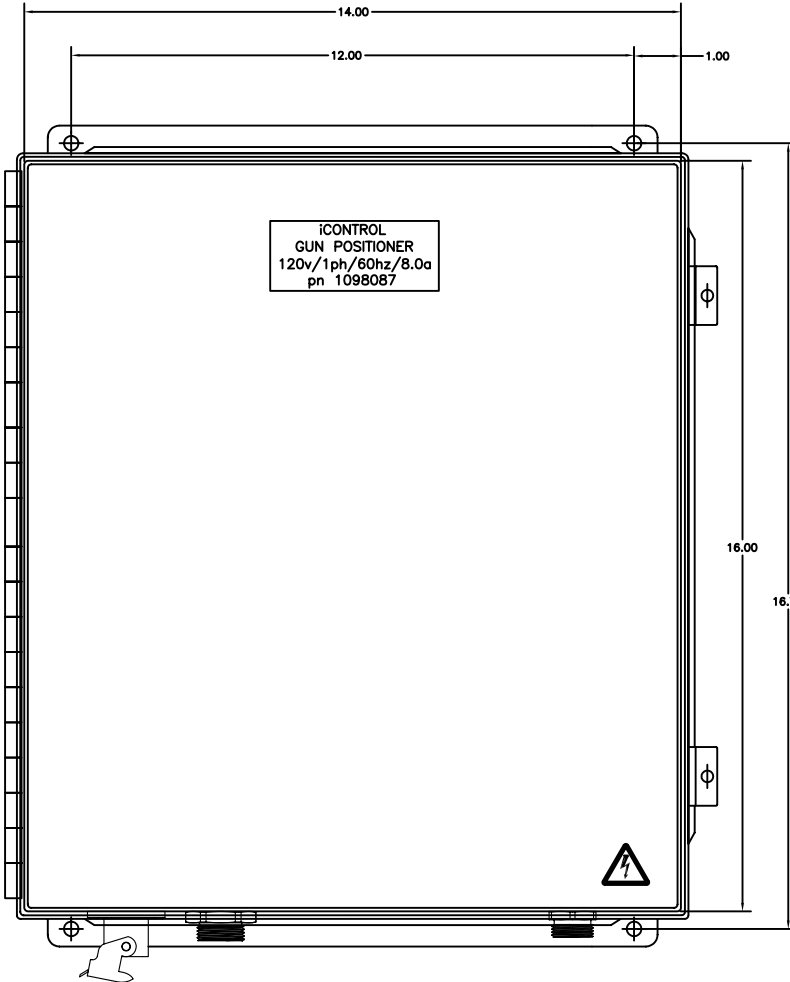
ADJUST FOR DESIRED FORWARD SPEED
ADJUST FOR DESIRED REVERSE SPEED

IF NECESSARY, ADJUST "RESP" UPWARD TO CORRECT FOR DRIFTING OR RESPONSE PROBLEMS WITH THE MACHINE MOTION.

MAINBOARD POT	% C.W.
DB	100%
RESP	50%
IR	25%
FCL	75%
RCL	75%
MAX	100%
FACC	0%
RACC	0%

NOTE:

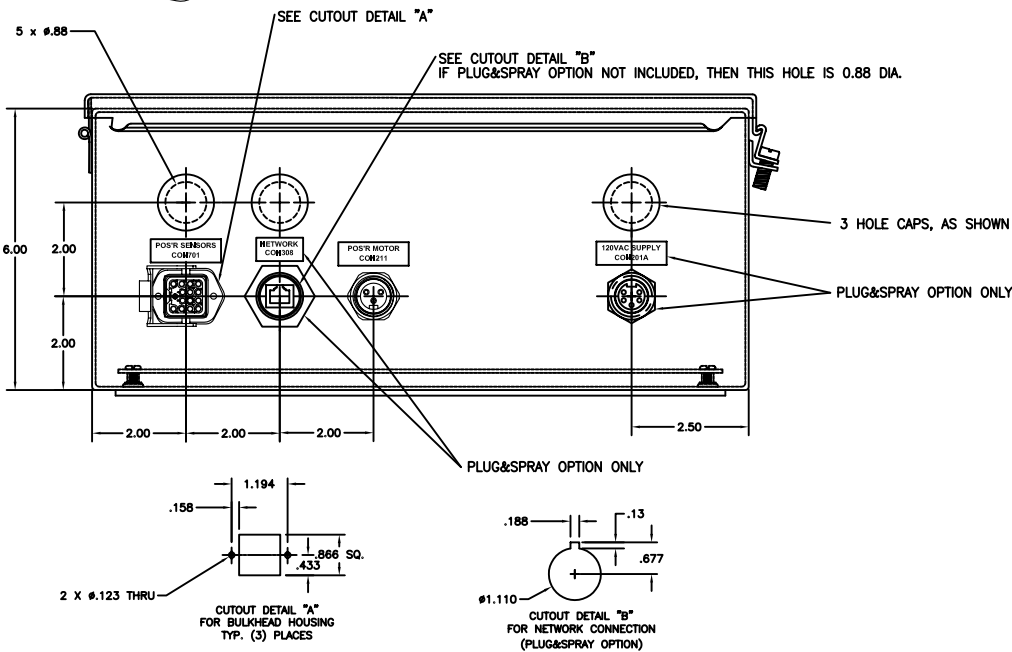
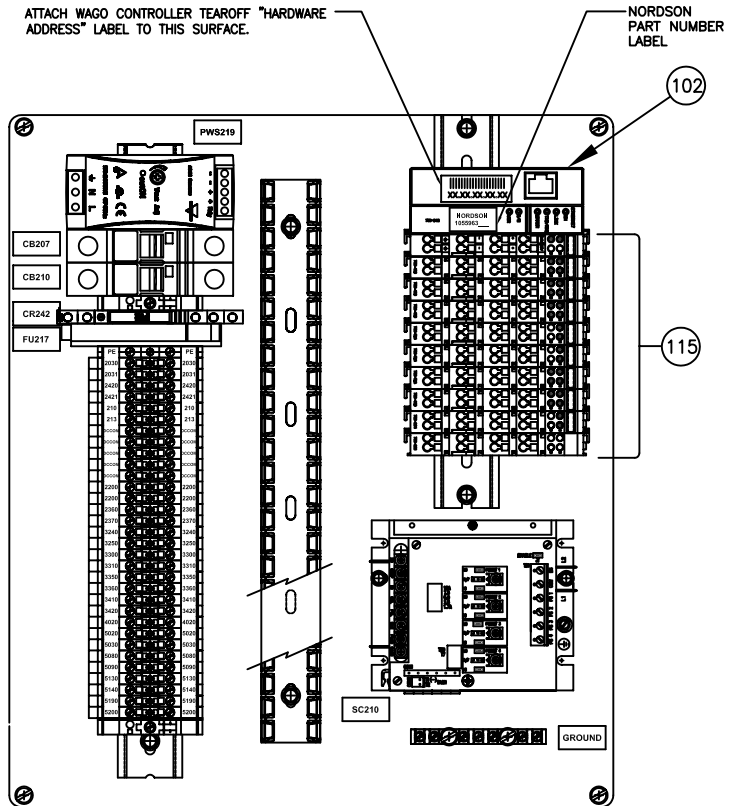
ALL PHASES OF INSTALLATION MUST COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES. ALL WORK LOCATED IN CLASS 2, DIVISIONS 1 AND 2 HAZARDOUS LOCATIONS MUST COMPLY WITH NFPA CODE 33 AND NFPA CODE 70, ESPECIALLY ARTICLES 500, 502 AND 516, LATEST EDITIONS.



TERMINAL BLOCK LAYOUT

PE
2030
2031
2420
2421
210
213
DCCOM
DCCOM
DCCOM
DCCOM
DCCOM
2200
2200
2360
2370
3240
3250
3300
3310
3350
3360
3410
3420
4020
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5130
5140
5190
5200

ATTACH WAGO CONTROLLER TEAROFF "HARDWARE ADDRESS" LABEL TO THIS SURFACE.



DRIVE JUMPER SETTINGS

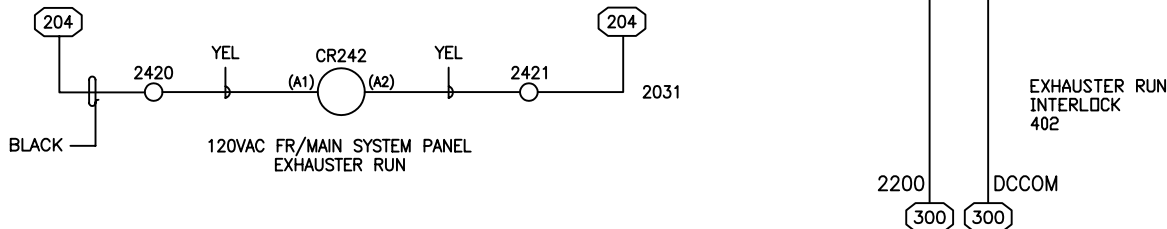
J1A	J1B	J2	J3	J4	J5	J6
115V	115V	5.0	5.0	10V	15V	CTS
230V	230V	2.5	2.5	SPD	TRQ	RTS
1.7	1.7	1.7	1.7			

MULTI-SPEED BOARD JUMPER SETTINGS

PRESET 1	LO - NO	R/F - F	HI - YES	FORWARD
PRESET 2	LO - NO	R/F - R	HI - YES	REVERSE
PRESET 3	LO - NO	R/F - R	HI - YES	BLOWOFF
PRESET 4	N/A			

⊗ HIDDEN JUMPER "J6" MUST BE CHANGED FROM FACTORY SETTING

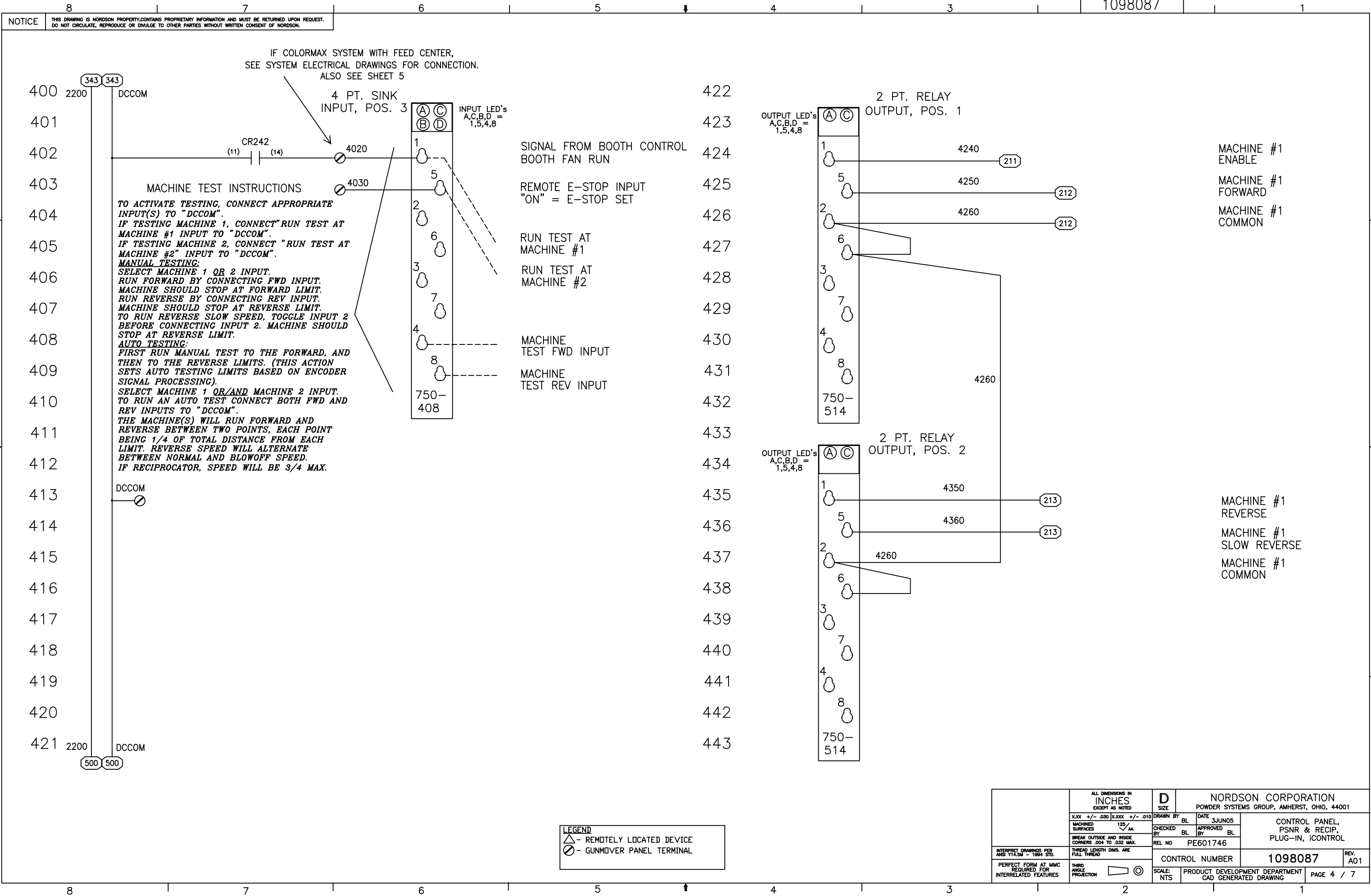
ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION	
NEXT ASSEMBLY		125 AA		POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
MACHINED SURFACES		125 AA		CONTROL PANEL, GUN POSITIONER, PLUG-IN, ICONTROL	
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO PE601746		CONTROL NUMBER 1098087	
THREAD LENGTH DIMS. ARE FULL THREAD		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
THIRD ANGLE PROJECTION		PAGE 1 / 7		REV. A01	



		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
SEE SHEET 1		X.XXX +/- .030 X.XXX +/- .010		DRAWN BY		DATE 18AUG09	
NEXT ASSEMBLY		MACHINED SURFACES 125 AA		CHECKED BY		APPROVED BY	
FIRST PRODUCT USED ON IN-OUT POSITIONER		BREAK OUTSIDE AND INSIDE CORNERS .500 TO .032 MAX.		REL NO		PE601746	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER		1098087	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION 		SCALE: NTS		PRODUCT DEVELOPMENT CAD GENERATED DRAWING	
						REV. A01	
						PAGE 2 / 7	



		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		 NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
SEE SHEET 1		X.XXX +/- .030 X.XXXX +/- .010		DRAWN BY DATE	
NEXT ASSEMBLY		MACHINED SURFACES 125 AA		DAK 18AUG09	
FIRST PRODUCT USED ON		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .002 MAX.		CONTROL PANEL, GUN POSITIONER, PLUG-IN, CONTROL	
IN-OUT POSITIONER		THREAD LENGTH DIMS. ARE FULL THREAD		REL NO PE601746	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.				CONTROL NUMBER 1098087	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION 		REV. A01	
		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
				PAGE 3 / 7	



D

C

B

A

D

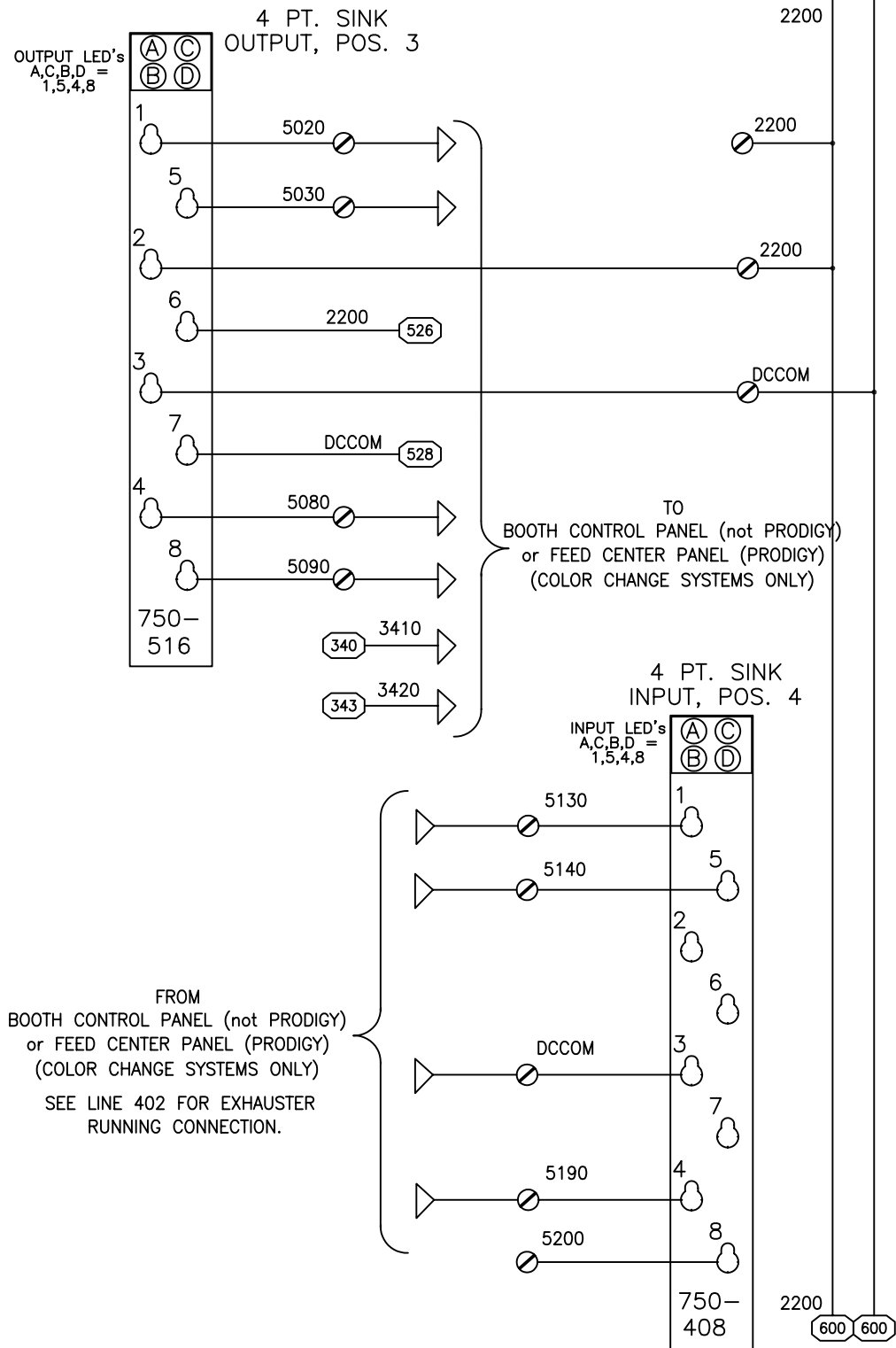
C

B

A

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OUTPUT 5020,
SEE CHART BELOW
OUTPUT 5030,
SEE CHART BELOW

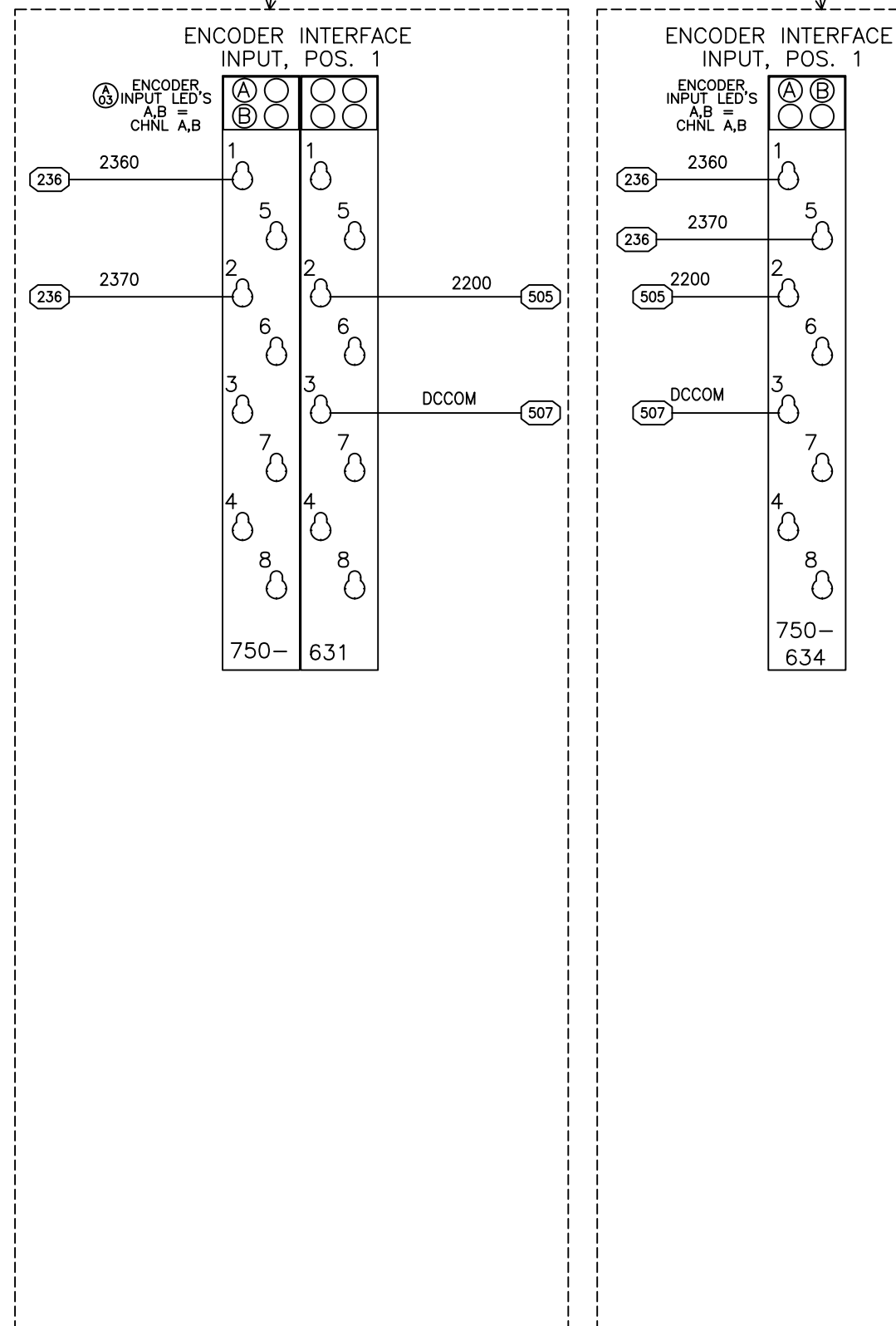
OUTPUT 5080,
SEE CHART BELOW
OUTPUT 5090,
SEE CHART BELOW

INPUT 5130,
SEE CHART BELOW
INPUT 5140,
SEE CHART BELOW

INPUT 5190,
SEE CHART BELOW

SPARE

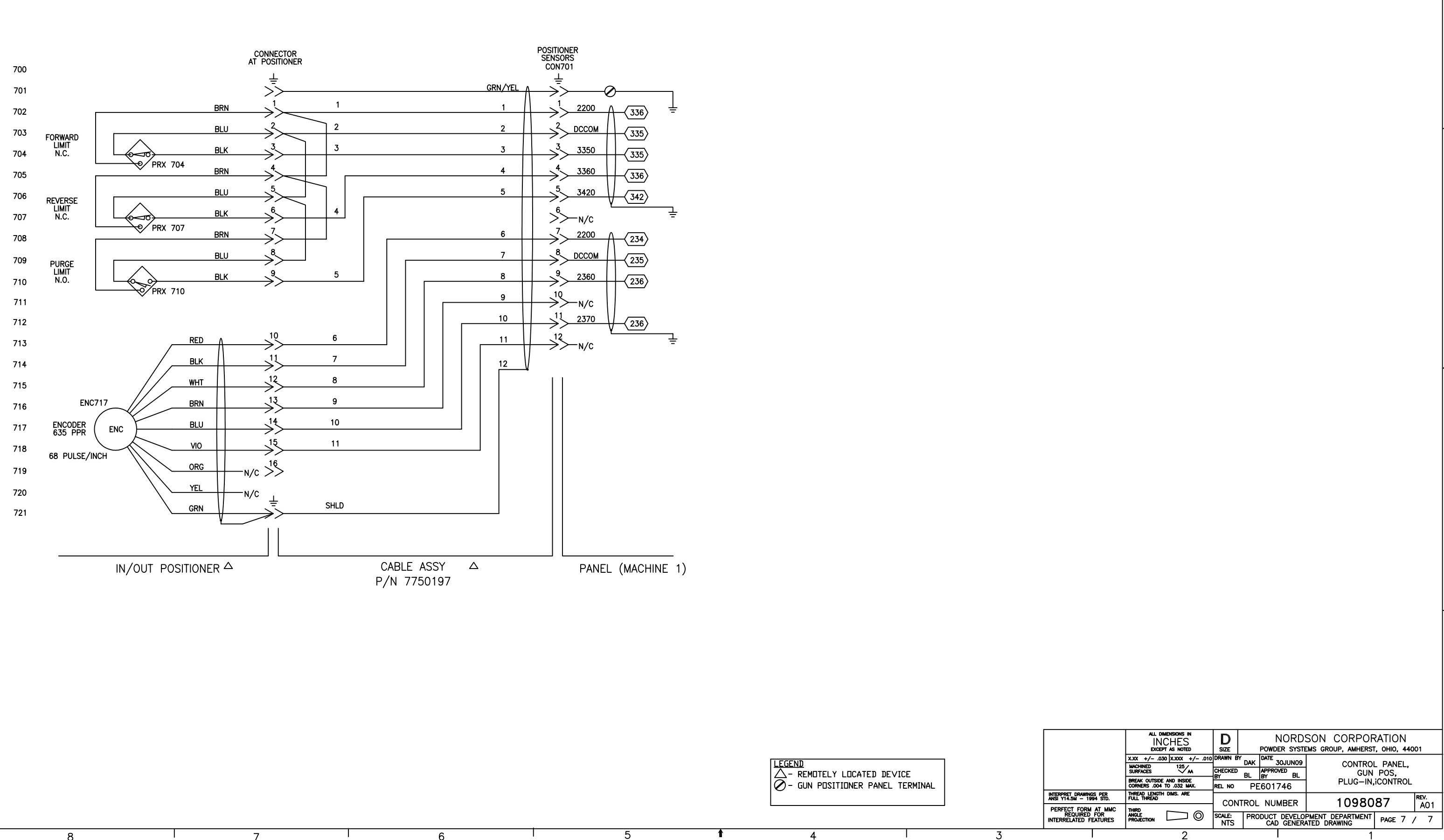
TWO ENCODER MODULE POSSIBILITIES,
SEE MODULE PART NUMBER TO DETERMINE WIRING.



Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GM1 & GM2)	Prodigy (GM1 only)
5020	OUTPUT	Mechanical Brake Control	Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	External Blowoff Air Control	External Blowoff Air Control
5080	OUTPUT	Ready for Color Change	Spare
5090	OUTPUT	External Blowoff Cycle Complete	Purge & Blowoff Cycle Complete
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run External Blowoff Cycle	Run Color Change Cycle
5190	INPUT	Internal Purge Cycle Complete	Spare
5200	INPUT	Spare	Spare

LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

SEE SHEET 1		X.XX +/- .030 X.XXX +/- .010		DRAWN BY DAK DATE 19AUG09		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY		MACHINED SURFACES 125 AA		CHECKED BY --- APPROVED BY ---		CONTROL PANEL, GUN POSITIONER, PLUG-IN, iCONTROL	
FIRST PRODUCT USED ON		IN-OUT POSITIONER		REL NO PE601746		CONTROL NUMBER 1098087	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		SCALE: NTS	
						PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
						PAGE 5 / 7	



NOTICE

THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST.
DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.

VENDOR'S BILL OF MATERIAL

DESIGNATION	QTY	ITEM	PART NO.	MFG.
	1	ENCLOSURE	SEE INVERTER CHART	HOFFMAN
	1	SUB-PLATE	C-P2424	HOFFMAN
	A/R	DIN RAIL	D5PD2-20	CUTLER-HAMMER
	4	END ANCHOR	C383ES35	CUTLER-HAMMER
	2	END PLATE	C383AP4	CUTLER-HAMMER
	46	TERMINAL BLOCK	C383RK254	CUTLER-HAMMER
	1	JUMPER	C383JC402	CUTLER-HAMMER
GND	1	GROUND TERMINAL	PK7G7A	SQUARE D
	1	GROUND LUG	----	----
CB210	1	CIRCUIT BREAKER, 8A	WMS1C8	CUTLER-HAMMER
CB207	1	CIRCUIT BREAKER, 10A	WMS1D10	CUTLER-HAMMER
CB217	1	CIRCUIT BREAKER, 2A	WMS1C2	CUTLER-HAMMER
	A/R	WIRE DUCT, 1" x 3"	---	---
	1	WARNING SPICE CAUTION LABEL, SAFETY YELLOW WITH BLACK ENGRAVING	CUSTOM	---
CR242	1	RELAY, 120VAC, SPDT, DIN-RAIL MOUNT	700-HLT1U1	ALLEN-BRADLEY
MMC203	1	MANUAL MOTOR CONTROLLER	SEE INVERTER CHART	CUTLER-HAMMER
PWS219	1	POWER SUPPLY, 30 WATT	PSSR-SC24	IDEC
DISC201	1	DISCONNECT SWITCH	OT16F3	ABB
DISC201	1	HANDLE	QHBS2AJ	ABB
DISC201	1	SHAFT	OXS6S180	ABB
DISC201	1	ADAPTER, PADLOCK, OPEN PANEL	DS-SA1	ABB
DISC201A	1	N.O. AUX. CONTACT, DISCONNECT	QA1G10	ABB
VFD203	1	INVERTER, 3-PH	SEE INVERTER CHART	ALLEN-BRADLEY
SC210	1	DC DRIVE	KBMG-212D	KB ELECTRONICS
SC210	1	MULTI-SPEED BOARD	8833	KB ELECTRONICS
CON201C,CON701,CON723	3	BULKHEAD HOUSING	CKA-031	MENCOM
CON701,CON723	2	INSERT,FEMALE,12 POLE	CQF-12	MENCOM
CON201C	1	INSERT,FEMALE,4 POLE	CKSF-04	MENCOM
CON201C	1	ID66/67 SEAL KIT	CKR 65	MENCOM
CON701,CON723	17	SOCKETS,FEMALE,CRIMP,26-22AWG	CDFA 0.3	MENCOM
CON211	1	RECEPTICLE,3-PIN,FEMALE,16AWG,36LG	1R3004A20F030	BRAD-HARRISON
	2	CAP,FLUSH,7/8 DIA.	BPF-7/8	CAPPLUGS DIVISION
SC205	1	EMI SUPPRESSION CORE, SPLIT HALVES (SC205)	0443167251	FAIR-RITE
	1	PROGRAMMED ETHERNET FIELDBUS CONTROLLER, WAGO 750-842	SEE ITEM 02	NORDSON
	5	MODULE, INPUT, SINK, 4 PT.	750-408	WAGO
	2	MODULE, OUTPUT, SINK, 4 PT.	750-516	WAGO
	2	MODULE, OUTPUT, RELAY, 2 PT.	750-514	WAGO
	2	MODULE, INTERFACE, ENCODER	750-631	WAGO
		MODULE, INTERFACE, ENCODER	750-634	WAGO
	1	MODULE, OUTPUT, ALG., +/- 10VDC	750-556	WAGO
	1	MODULE, END	750-600	WAGO

* - 750-631 AND 750-634 ARE INTERCHANGABLE MODULES, 750-634 REPLACING 750-631.

- MARK THIS ITEM AS "SC205". FOR SHIPMENT, SECURE VIA CLEAR PACKING TAPE TO THE FRONT COVER OF THE INVERTER, ITEM VFD203.

OPTION: PLUG & SPRAY BOOTH B.O.M.

DESIGNATION	QTY	ITEM	PART NO.	MFG.
CON201A	1	RECEPTACLE,5-PIN,MALE,16AWG,36LG	IR5006A20F030	BRAD-HARRISON
CON201B	1	RECEPTACLE,4-PIN,MALE,14AWG,36LG	1R4006A28F030G	BRAD-HARRISON
CON308	1	RECEPTACLE,FEMALE-FEMALE,BULKHEAD,RJ45	ENSP1F5	BRAD-HARRISON
PATCH CABLE	1	PATCH CABLE, CAT5E, T568B, ETHERNET, 48"	----	----

INVERTER CHART

3-PH VOLTS	208	230	380	480	575
CONTROLLER	XTPB010BC1	XTPB6P3BC1	XTPB004BC1	XTPB004BC1	XTPB2P5BC1
INVERTER	22B-B8PON104		22B-D4PON104		22B-E3PON104
ENCLOSURE	C-SD24248				

WORK SPACE CAUTION LABEL
SAFETY YELLOW WITH BLACK ENGRAVING

APPRO

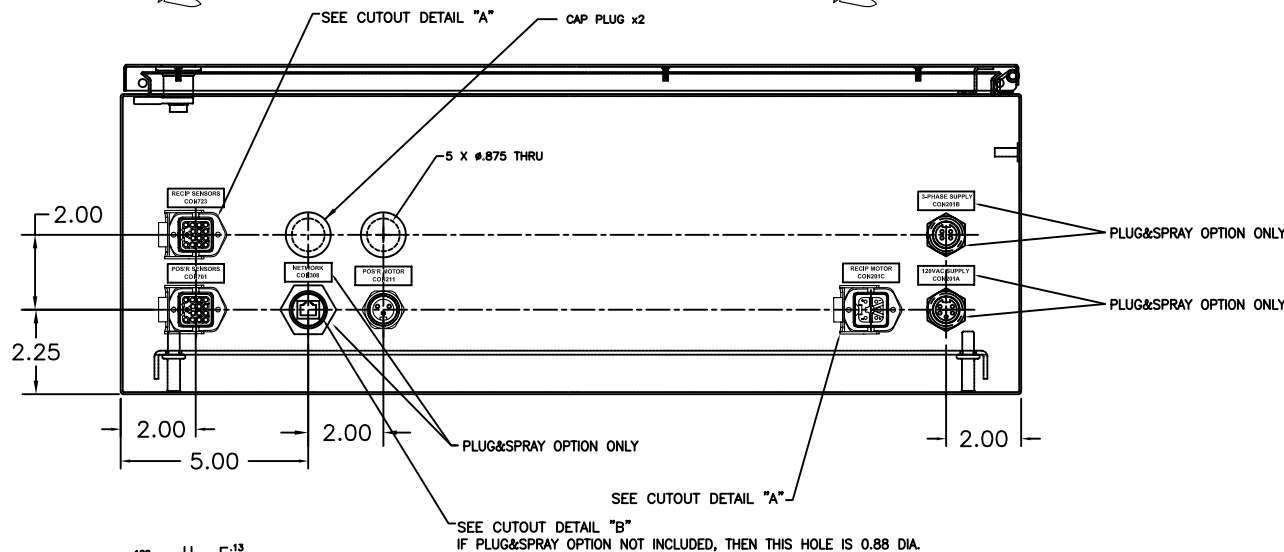
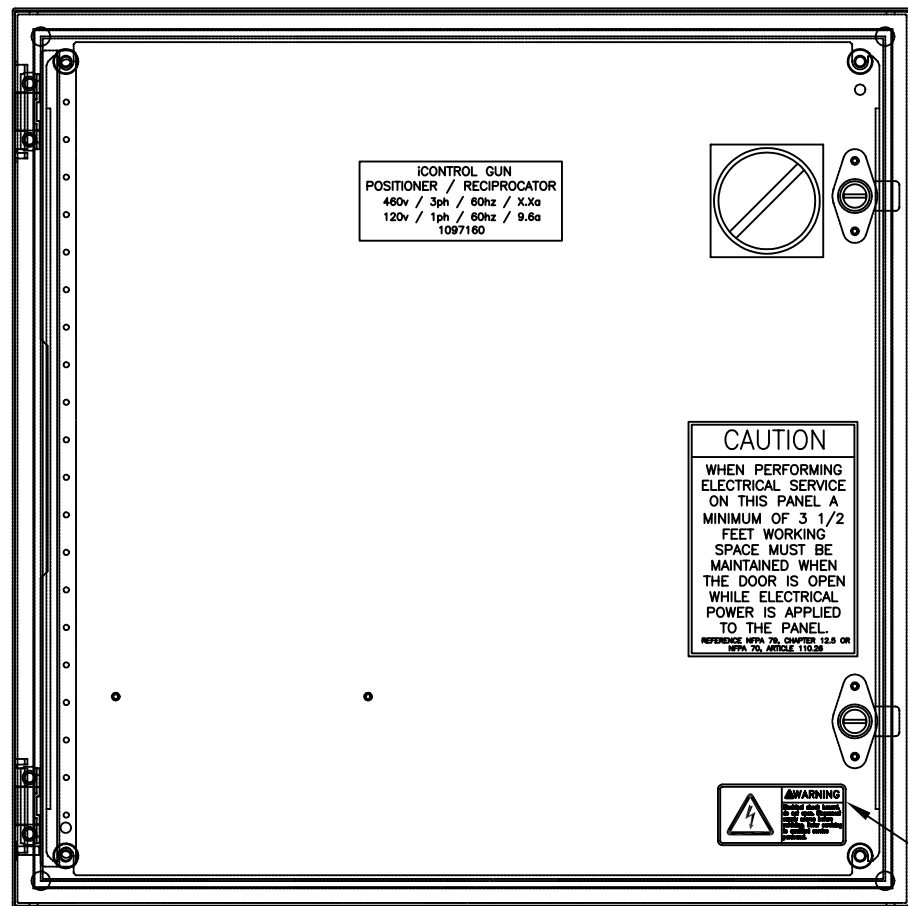
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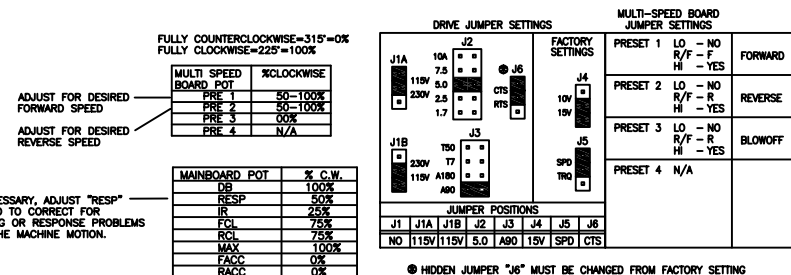
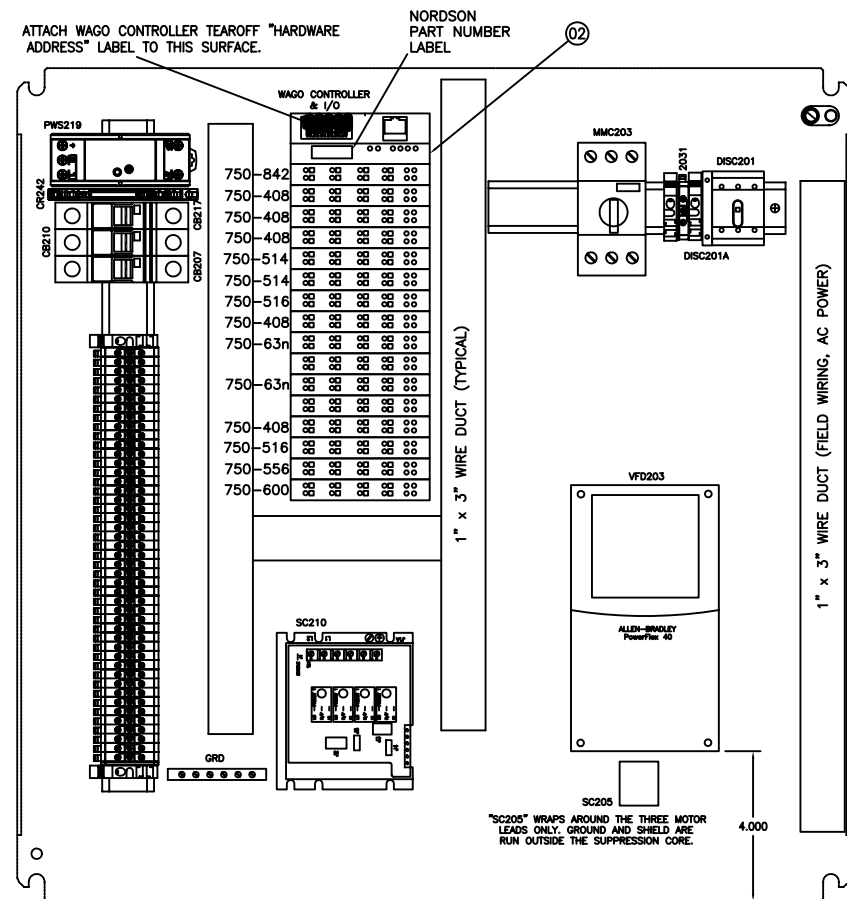
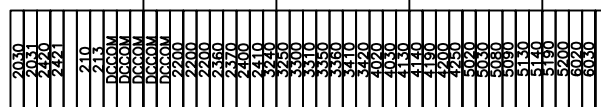
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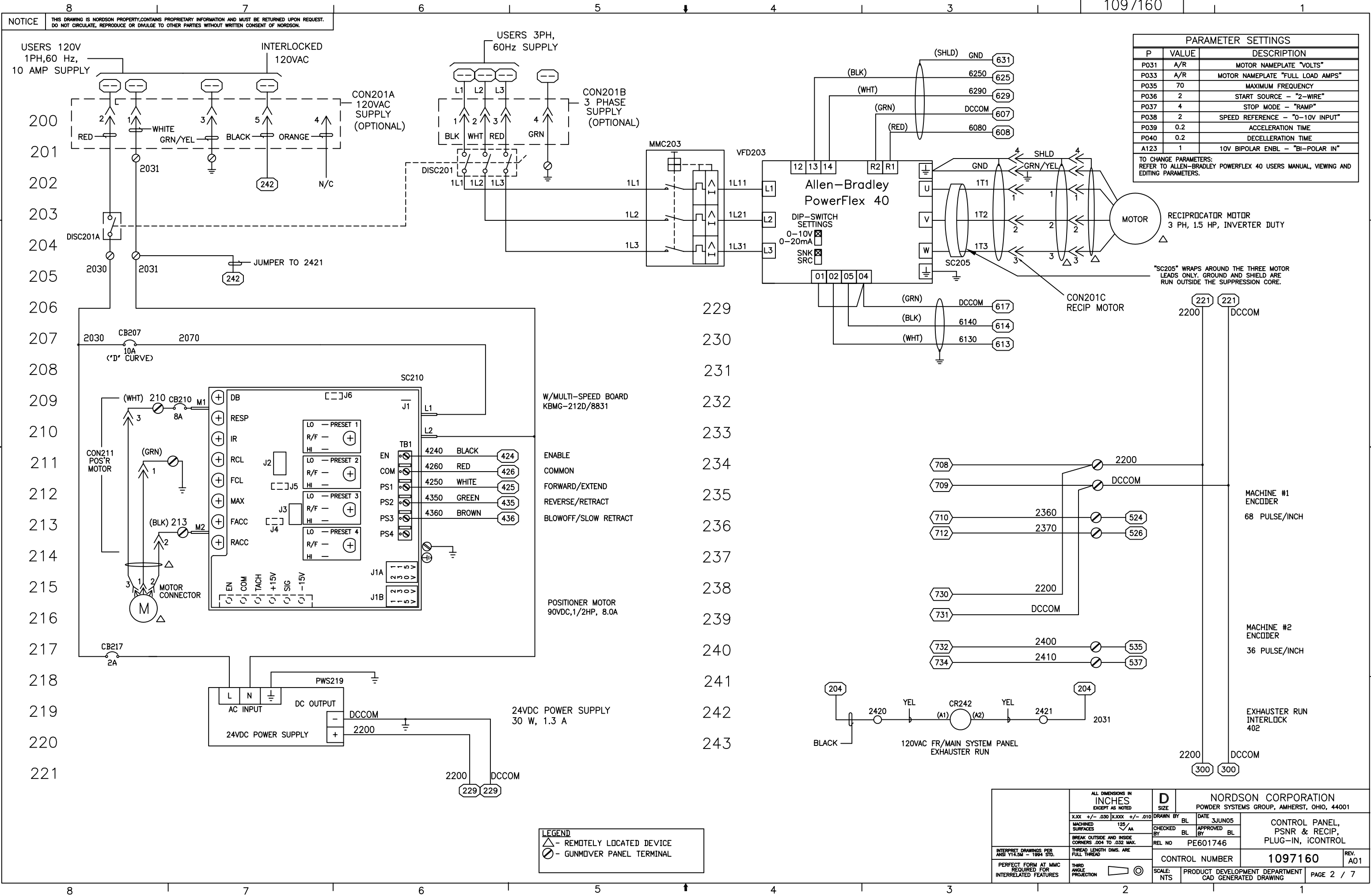
6.25



TERMINAL BLOCK LAYOUT



02	L	1055963	CONTROLLER, PROGRAMMED, GUN POS'R iCONTROL					1			
01	L	226709	LABEL, WARNING, CONTROL PANEL					1			
ITEM	ICT	PART NO.	DESCRIPTION					QTY.			
		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001					
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		X.XXX +/- .030		X.XXX +/- .010		DRAWN BY		DAK	DATE	JUN05	CONTROL PANEL, PSNR & RECIP, PLUG-IN, iCONTROL
		MACHINED SURFACES		125		✓		MA			
		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CHECKED BY		BL		APPROVED BY		BL	
		THREAD LENGTH DIMS. ARE FULL THREAD		REL NO		PE601746					
		PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION				CONTROL NUMBER		1097160	
				SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING			PAGE 1 / 7		



PARAMETER SETTINGS		
P	VALUE	DESCRIPTION
P031	A/R	MOTOR NAMEPLATE "VOLTS"
P033	A/R	MOTOR NAMEPLATE "FULL LOAD AMPS"
P035	70	MAXIMUM FREQUENCY
P036	2	START SOURCE - "2-WIRE"
P037	4	STOP MODE - "RAMP"
P038	2	SPEED REFERENCE - "0-10V INPUT"
P039	0.2	ACCELERATION TIME
P040	0.2	DECELERATION TIME
A123	1	10V BIPOLAR ENBL - "BI-POLAR IN"
TO CHANGE PARAMETERS: REFER TO ALLEN-BRADLEY POWERFLEX 40 USERS MANUAL, VIEWING AND EDITING PARAMETERS.		

RECIPROCATOR MOTOR
3 PH, 1.5 HP, INVERTER DUTY

"SC205" WRAPS AROUND THE THREE MOTOR
LEADS ONLY. GROUND AND SHIELD ARE
RUN OUTSIDE THE SUPPRESSION CORE.

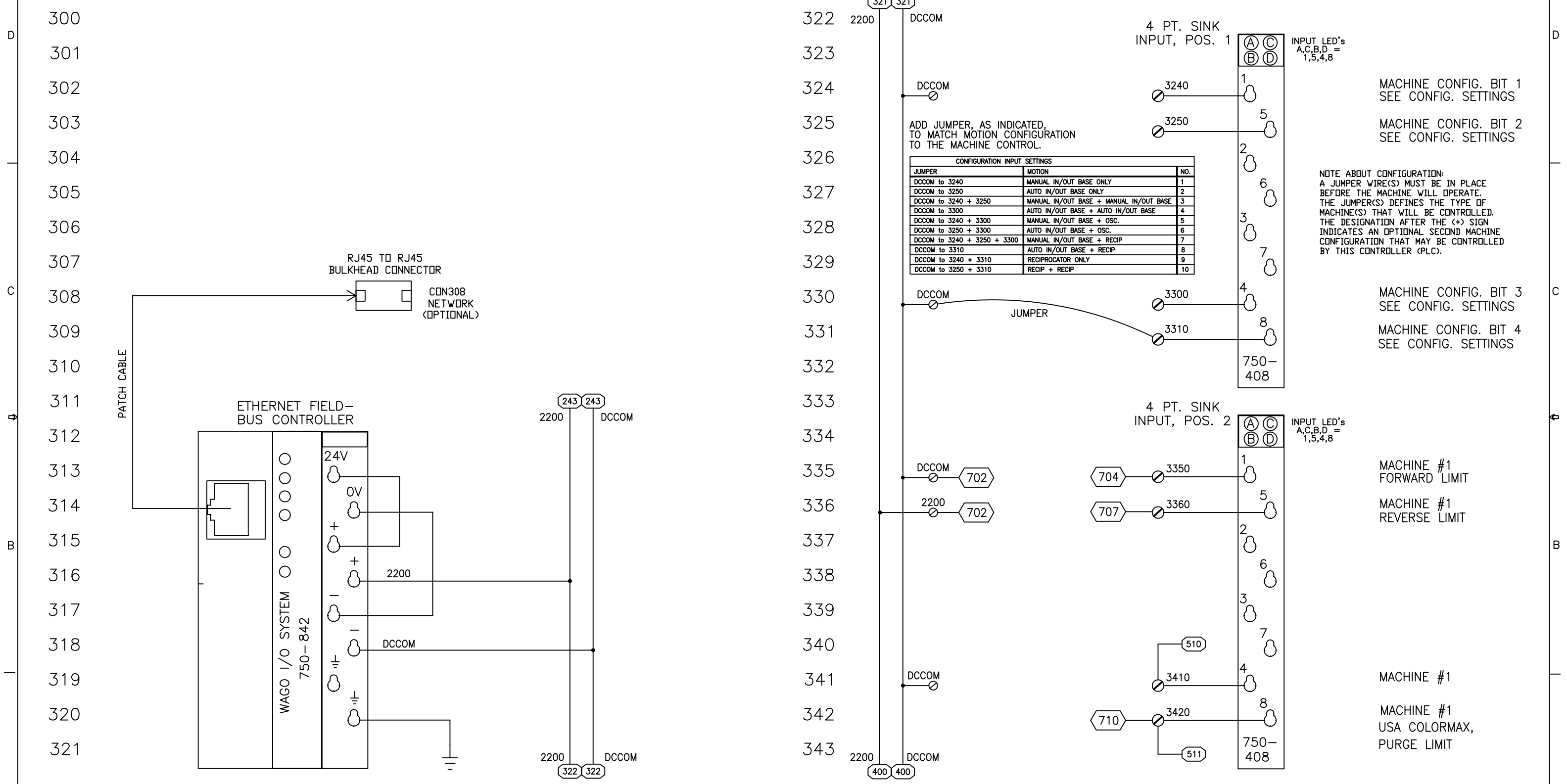
MACHINE #1
ENCODER
68 PULSE/INCH

MACHINE #2
ENCODER
36 PULSE/INCH

EXHAUSTER RUN
INTERLOCK
402

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
MACHINED SURFACES 125 AA	SIZE	DRAWN BY BL	DATE 3JUN05
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CHECKED BY BL	APPROVED BY BL
THREAD LENGTH DIMS. ARE FULL THREAD		REL NO	PE601746
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		CONTROL NUMBER	1097160
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING
THIRD ANGLE PROJECTION			REV. A01
			PAGE 2 / 7

LEGEND	
△	REMOTELY LOCATED DEVICE
○	GUNDOVER PANEL TERMINAL



CONFIGURATION INPUT SETTINGS		
JUMPER	MOTION	NO.
DCCOM to 3240	MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250	AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250	MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300	AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300	MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300	AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300	MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310	AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310	RECIPROCATOR ONLY	9
DCCOM to 3250 + 3310	RECIP + RECIP	10

INPUT LED's
A,C,B,D =
1,5,4,8

MACHINE CONFIG. BIT 1
SEE CONFIG. SETTINGS

MACHINE CONFIG. BIT 2
SEE CONFIG. SETTINGS

NOTE ABOUT CONFIGURATION:
A JUMPER WIRE(S) MUST BE IN PLACE
BEFORE THE MACHINE WILL OPERATE.
THE JUMPER(S) DEFINES THE TYPE OF
MACHINE(S) THAT WILL BE CONTROLLED.
THE DESIGNATION AFTER THE (+) SIGN
INDICATES AN OPTIONAL SECOND MACHINE.
CONFIGURATION THAT MAY BE CONTROLLED
BY THIS CONTROLLER (PLC).

MACHINE CONFIG. BIT 3
SEE CONFIG. SETTINGS

MACHINE CONFIG. BIT 4
SEE CONFIG. SETTINGS

INPUT LED's
A,C,B,D =
1,5,4,8

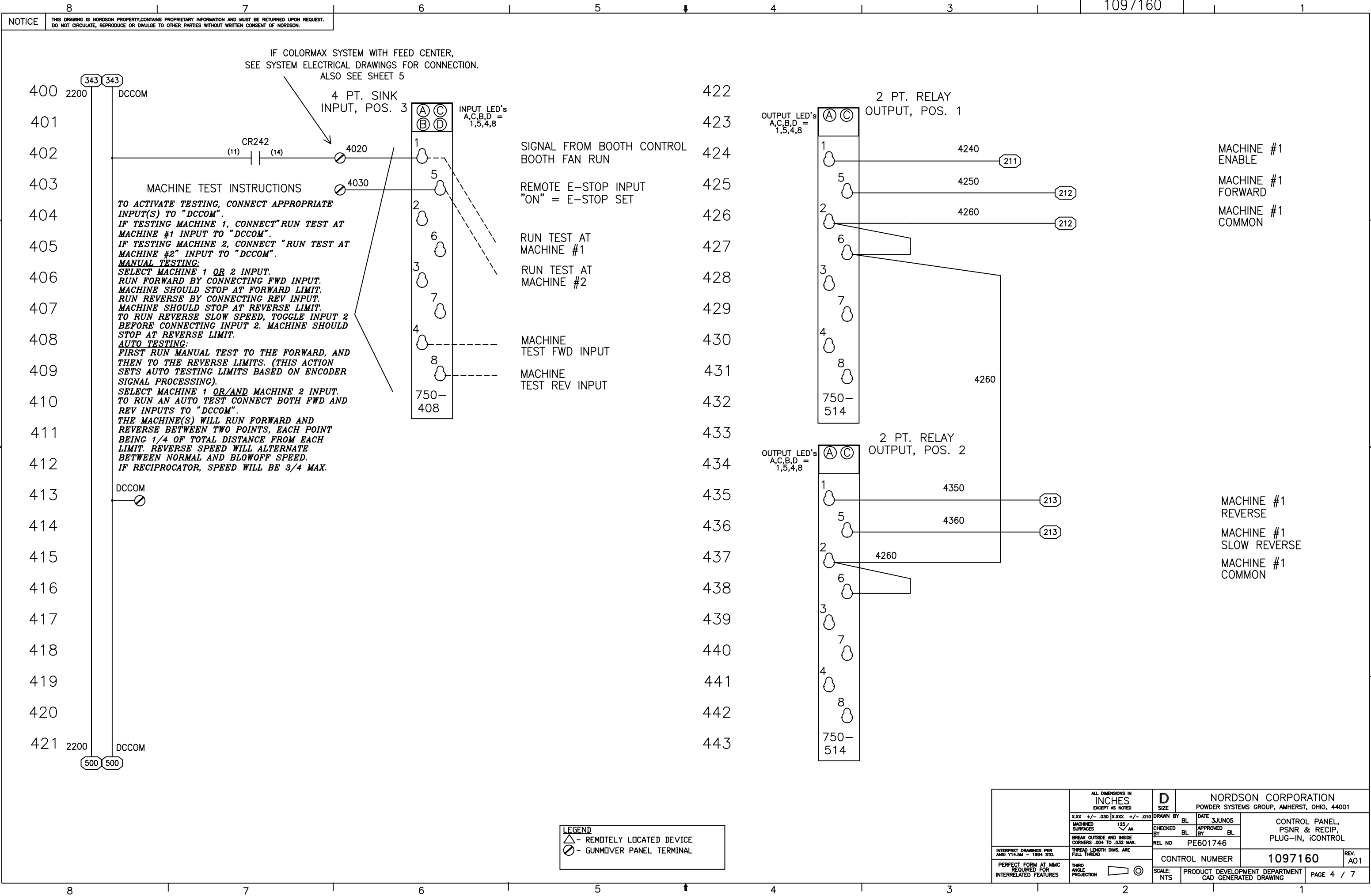
MACHINE #1
FORWARD LIMIT

MACHINE #1
REVERSE LIMIT

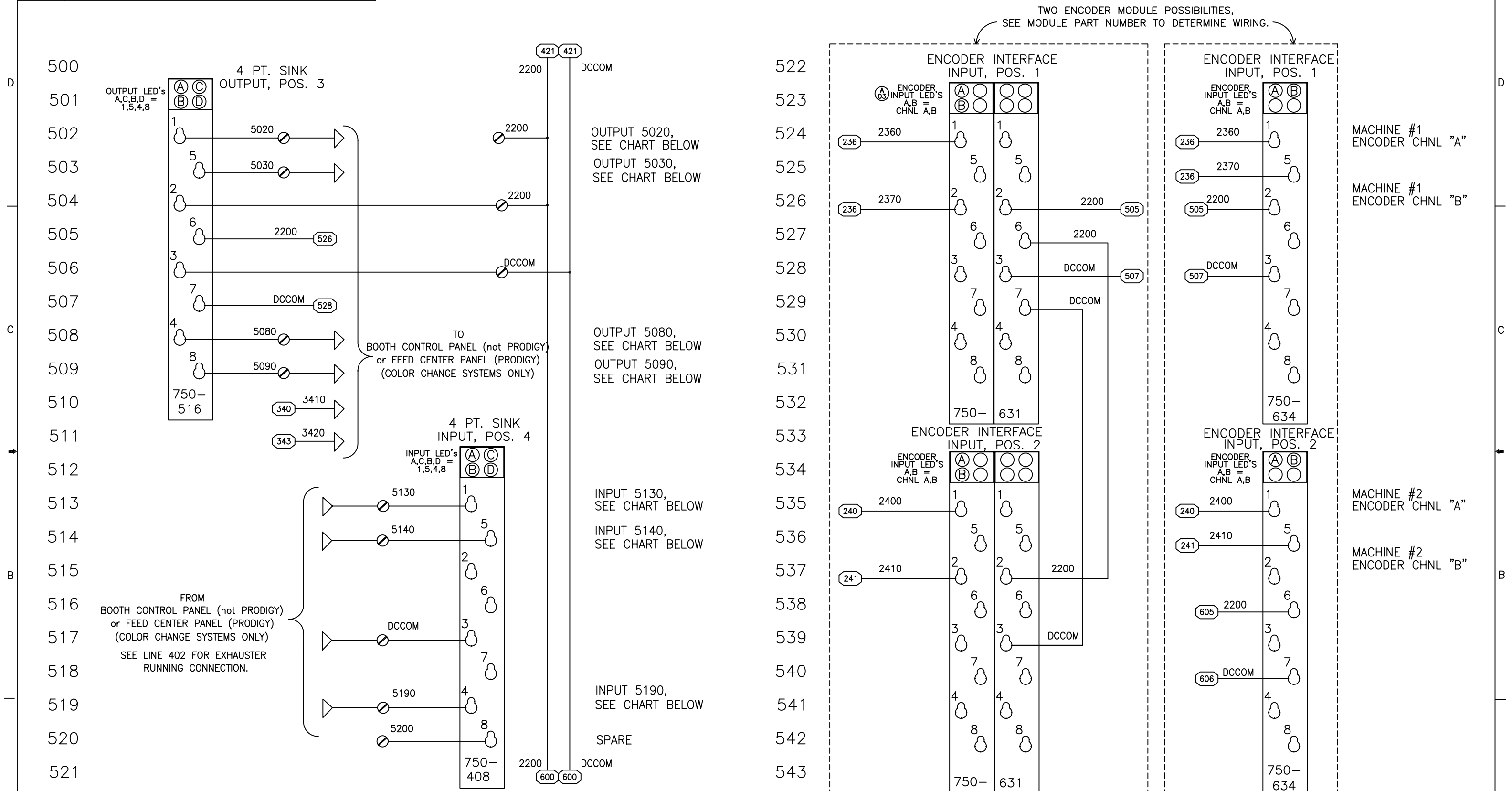
MACHINE #1

MACHINE #1
USA COLORMAX,
PURGE LIMIT

	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED	 	D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001				
				DRAWN BY BL		DATE 3JUN05		CONTROL PANEL, PSNR & RECIP, PLUG-IN, iCONTROL
				CHECKED BY BL		APPROVED BY BL		
				REL NO PE601746				
X.XX +/- .030 X.XXX +/- .010 MACHINED SURFACES 125° AA BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 X.X.		THREAD LENGTH DIMS. ARE FULL THREAD 	CONTROL NUMBER		1097160		REV. A01	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.			SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 3 / 7	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES								



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Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GM1 & GM2)	Prodigy (GM1 only)
5020	OUTPUT	Mechanical Brake Control	Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	External Blowoff Air Control	External Blowoff Air Control
5080	OUTPUT	Ready for Color Change	Spare
5090	OUTPUT	External Blowoff Cycle Complete	Purge & Blowoff Cycle Complete
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run External Blowoff Cycle	Run Color Change Cycle
5190	INPUT	Internal Purge Cycle Complete	Spare
5200	INPUT	Spare	Spare

LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED

X.XX +/- .030 | X.XXX +/- .010

MACHINED SURFACES 125/AA

BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.

THREAD LENGTH DIMS. ARE FULL THREAD

THIRD ANGLE PROJECTION

INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.

PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES

D SIZE

NORDSON CORPORATION

POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001

DATE 3JUN05

CONTROL PANEL, PSNR & RECIP, PLUG-IN, iCONTROL

REL NO PE601746

CONTROL NUMBER 1097160

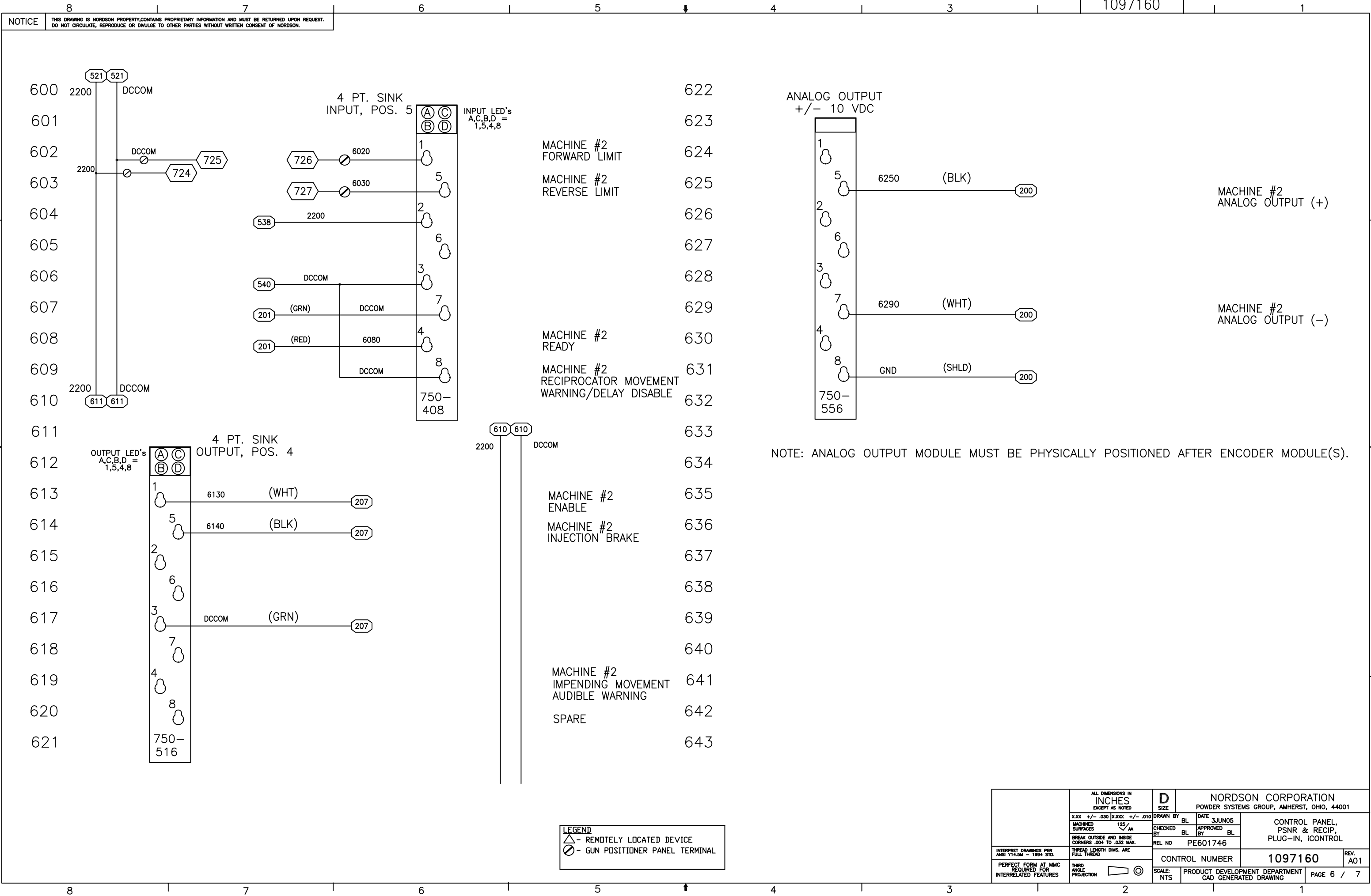
REV. A01

SCALE: NTS

PRODUCT DEVELOPMENT DEPARTMENT

CAD GENERATED DRAWING

PAGE 5 / 7



LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUN POSITIONER PANEL TERMINAL

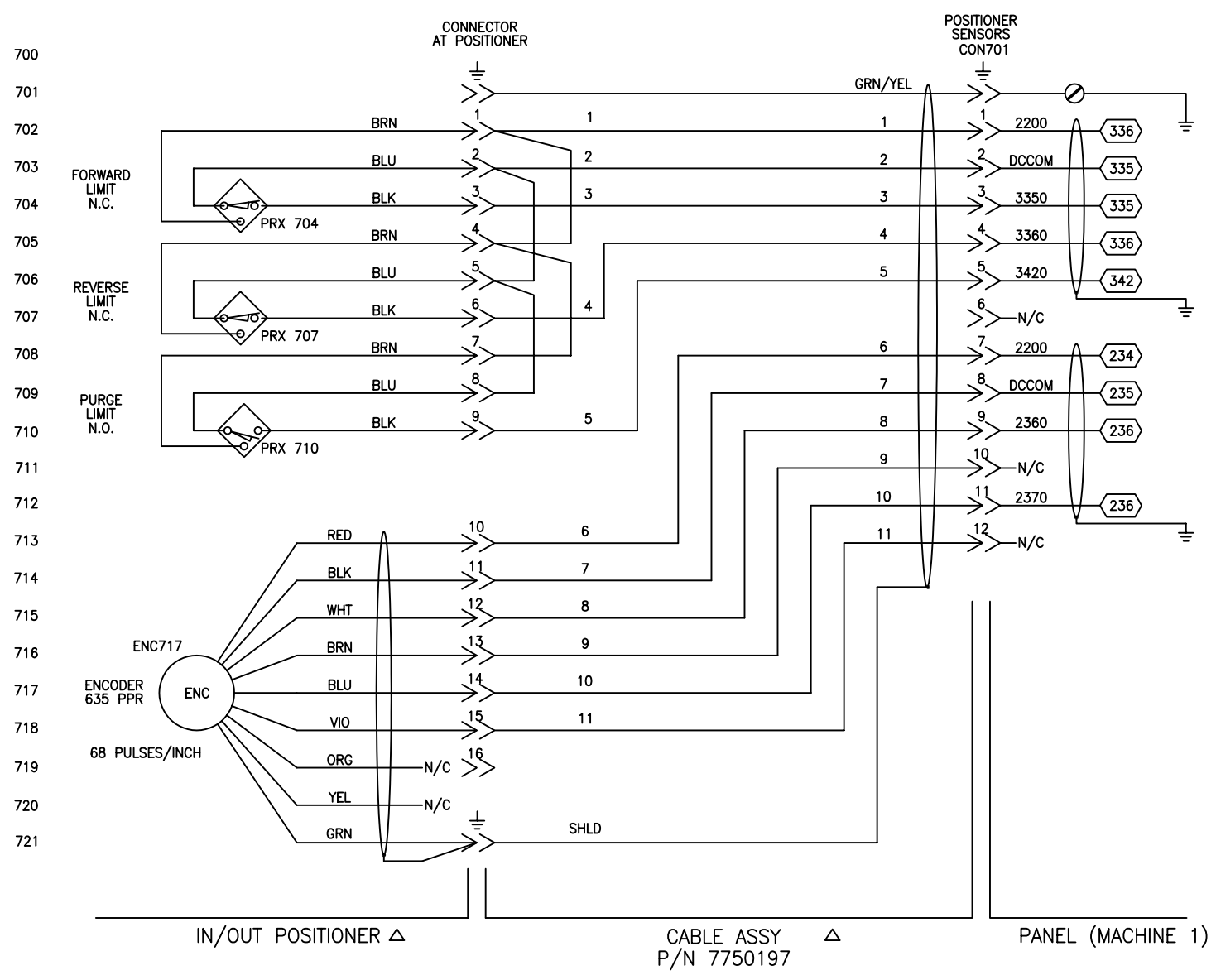
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X.XX +/- .030	X.XXX +/- .010	DRAWN BY	BL	DATE	3JUN05
MACHINED SURFACES	125 AA	CHECKED BY	BL	APPROVED BY	BL
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	THREAD LENGTH DIMS. ARE FULL THREAD	REL NO	PE601746		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	CONTROL NUMBER		1097160	REV. A01
THIRD ANGLE PROJECTION		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 6 / 7

D

C

B

A

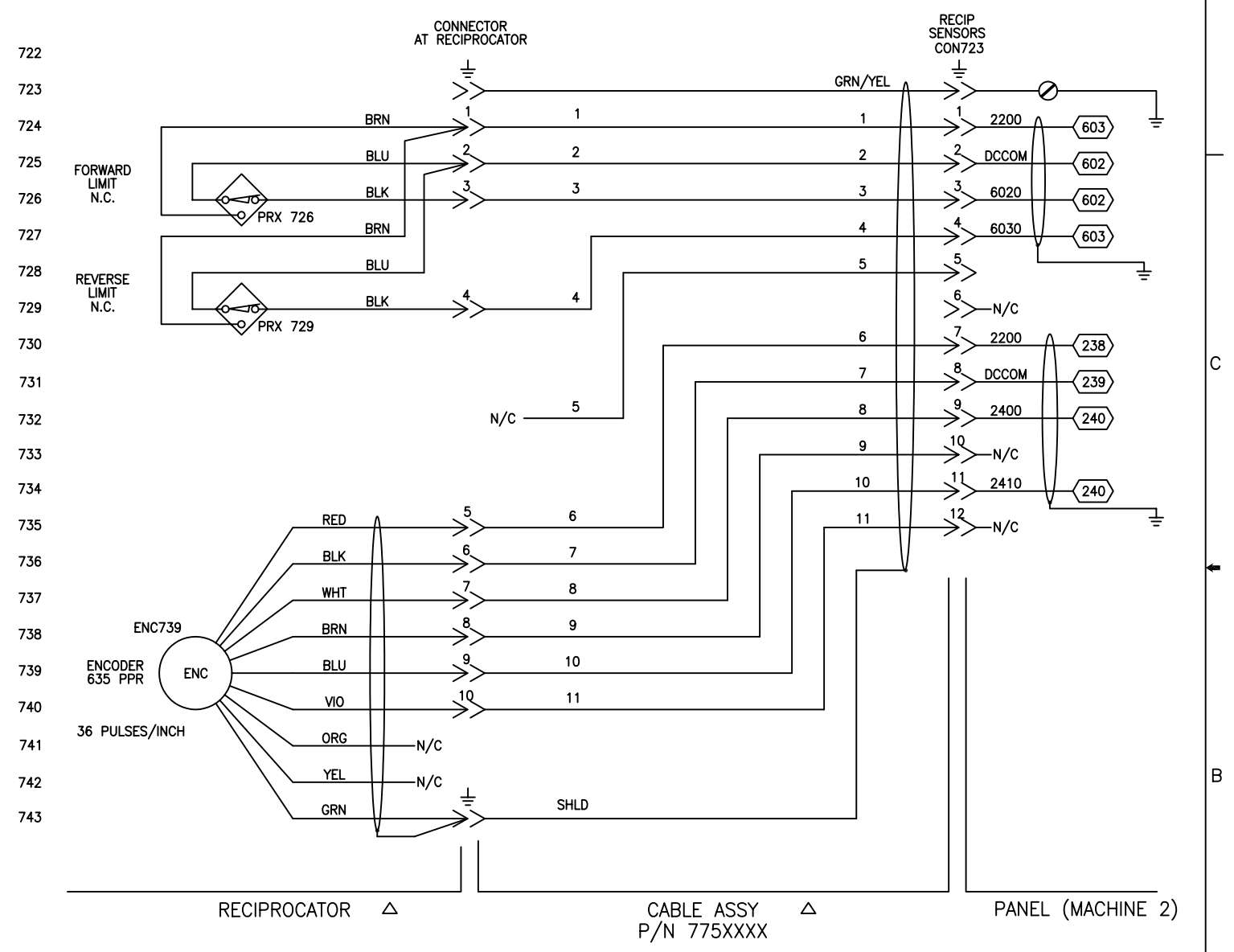


D

C

B

A



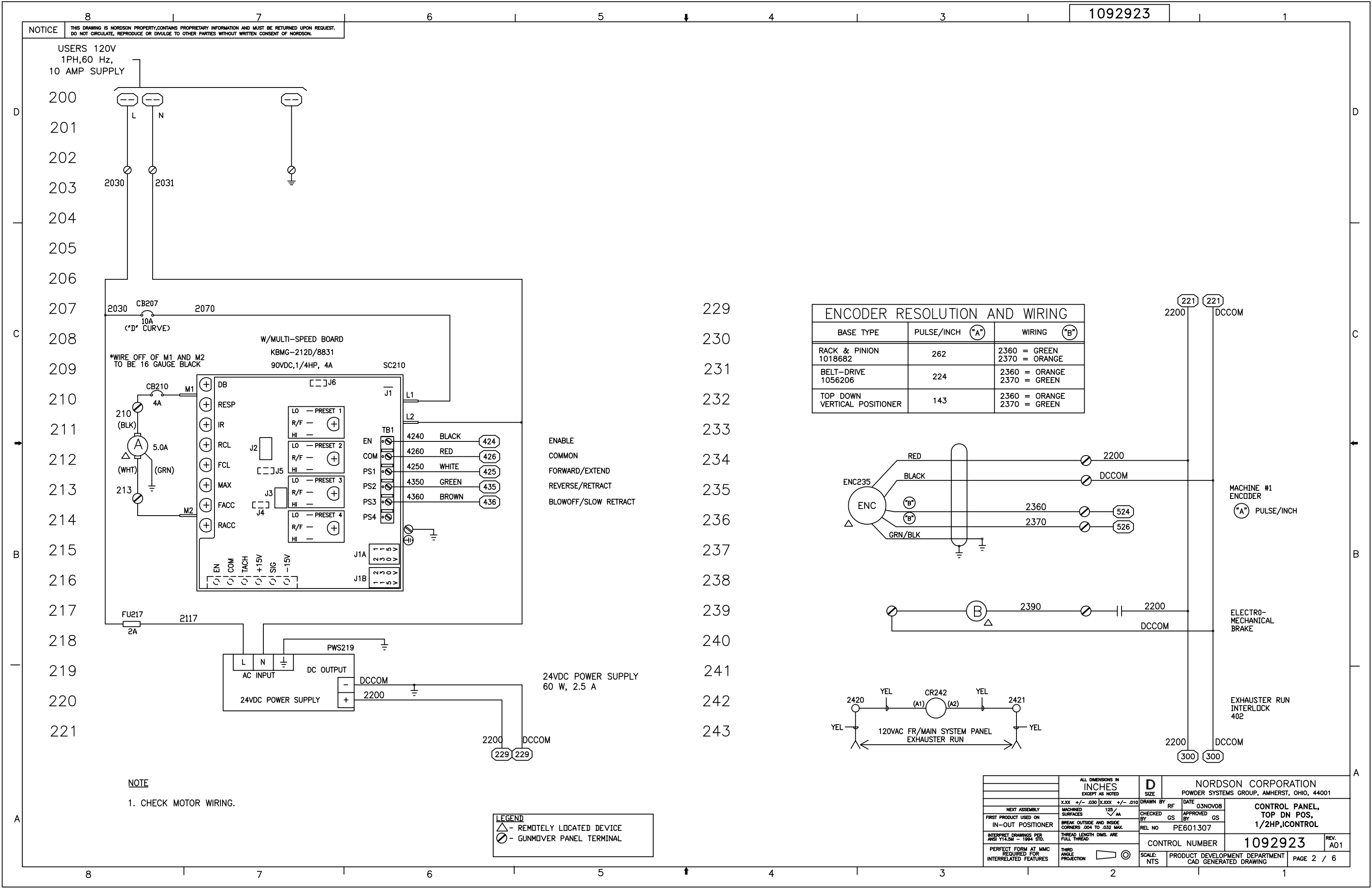
LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUN POSITIONER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
X.XX +/- .030	X.XXX +/- .010	DRAWN BY	DAK	DATE	30JUN09
MACHINED SURFACES	125 AA	CHECKED BY	BL	APPROVED BY	BL
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE601746		
THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER		1097160	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		REV. A01

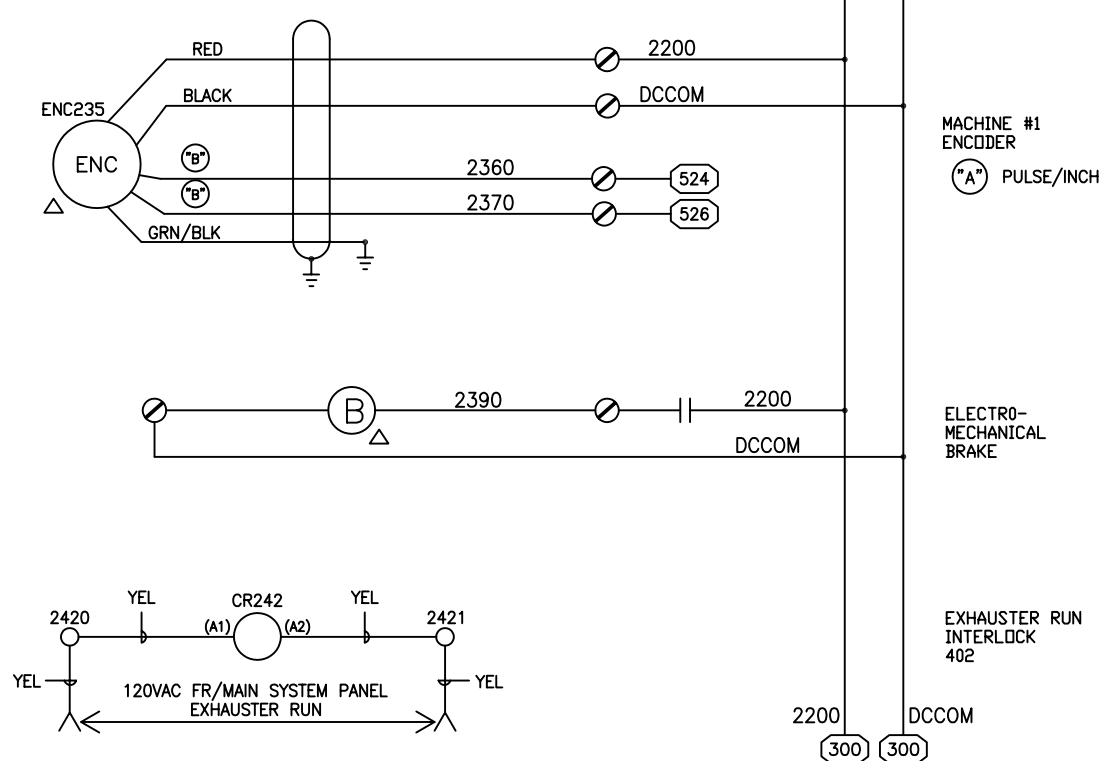
A

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[illegible]

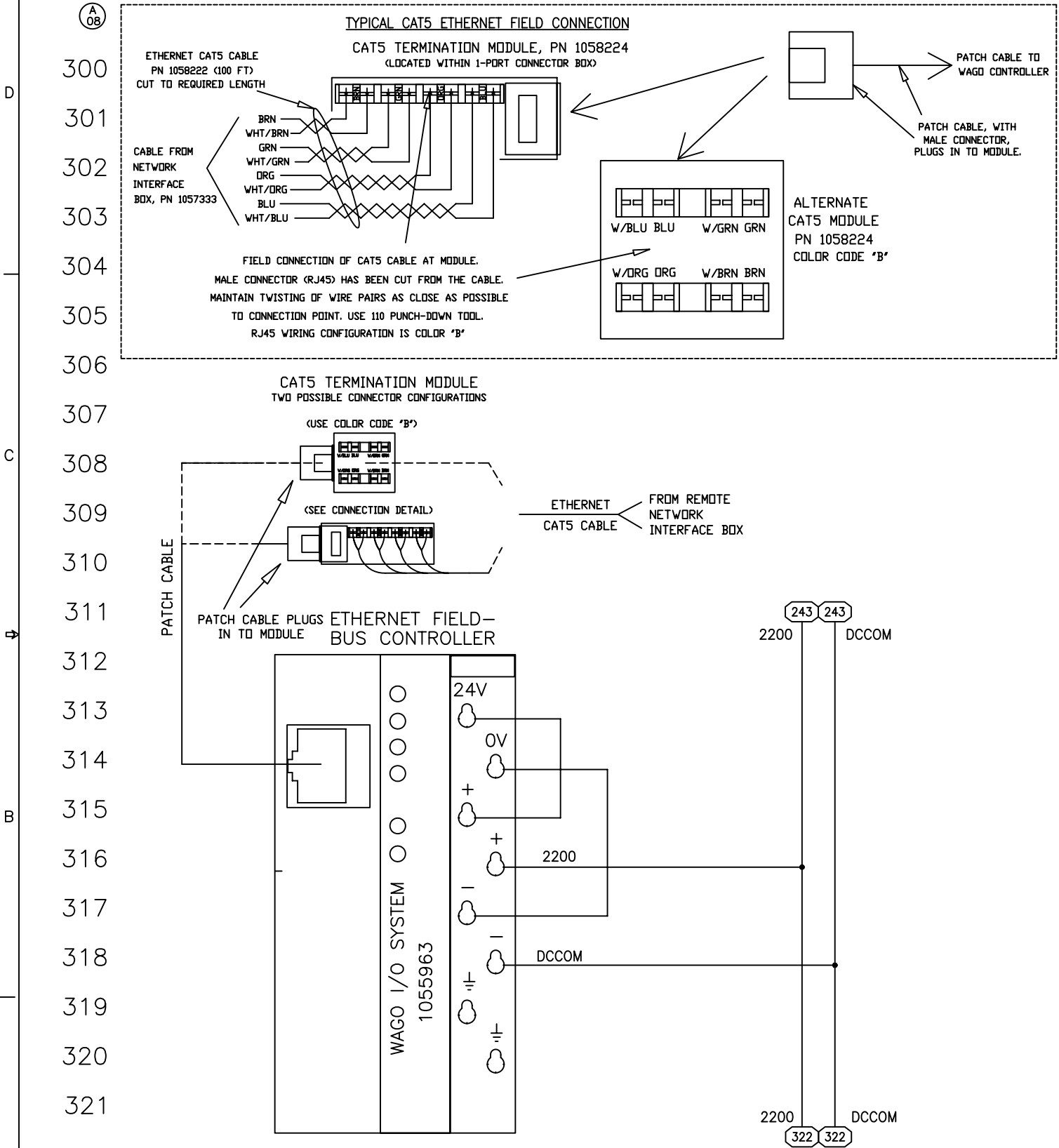


ENCODER RESOLUTION AND WIRING		
BASE TYPE	PULSE/INCH ("A")	WIRING ("B")
RACK & PINION 1018682	262	2360 = GREEN 2370 = ORANGE
BELT-DRIVE 1056206	224	2360 = ORANGE 2370 = GREEN
TOP-DOWN VERTICAL POSITIONER	143	2360 = ORANGE 2370 = GREEN



ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY		DRAWN BY	RF	DATE	03NOV08
FIRST PRODUCT USED ON		CHECKED BY	GS	APPROVED BY	GS
IN-OUT POSITIONER		REL NO	PE601307		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		CONTROL NUMBER		1092923	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
				PAGE 2 / 6	

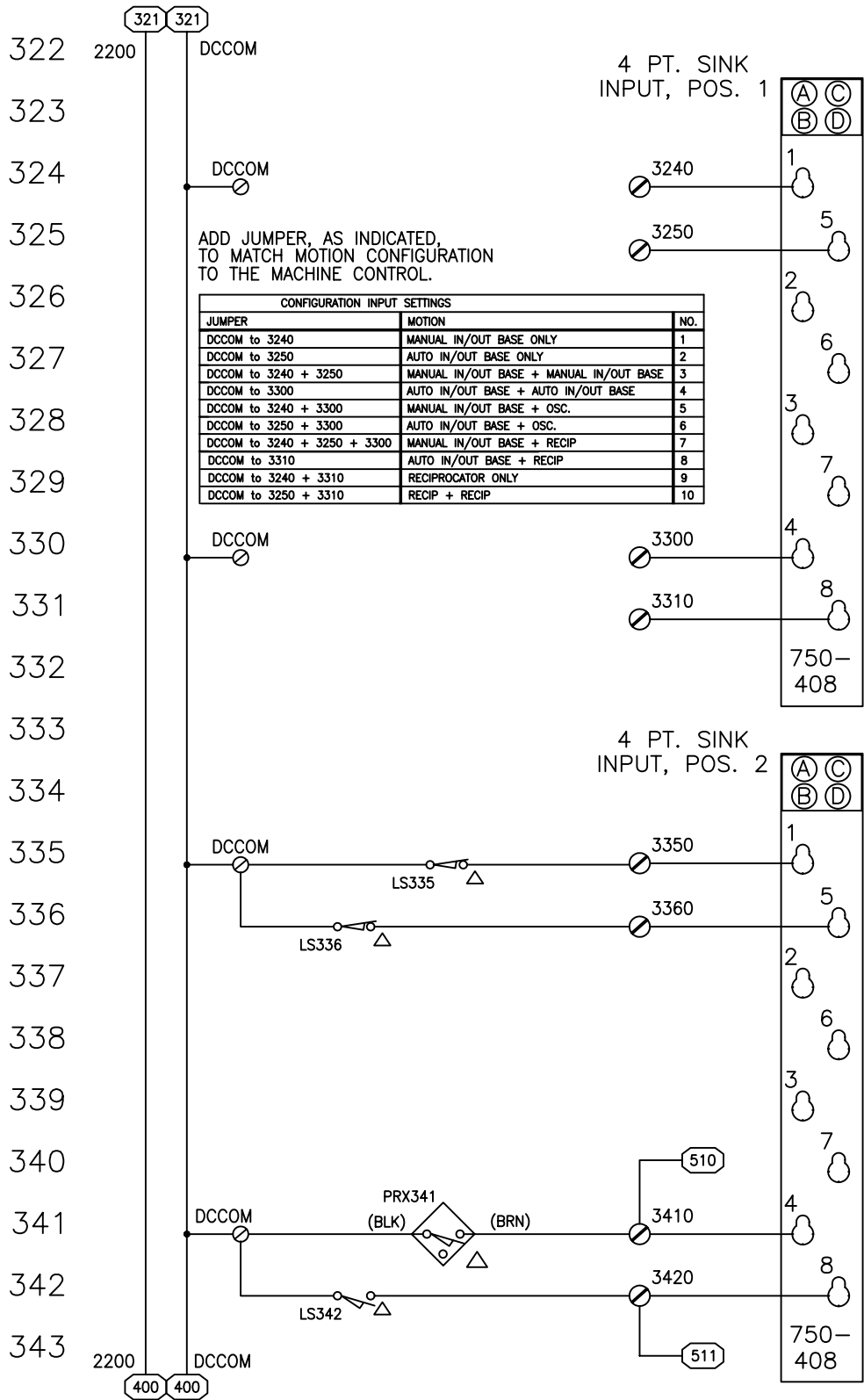
NOTICE THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.



LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUNDOVER PANEL TERMINAL



MACHINE CONFIG. BIT 1 SEE CONFIG. SETTINGS

MACHINE CONFIG. BIT 2 SEE CONFIG. SETTINGS

NOTE ABOUT CONFIGURATION:
A JUMPER WIRE(S) MUST BE IN PLACE BEFORE THE MACHINE WILL OPERATE. THE JUMPER(S) DEFINES THE TYPE OF MACHINE(S) THAT WILL BE CONTROLLED. THE DESIGNATION AFTER THE (+) SIGN INDICATES AN OPTIONAL SECOND MACHINE CONFIGURATION THAT MAY BE CONTROLLED BY THIS CONTROLLER (PLC).

MACHINE CONFIG. BIT 3 SEE CONFIG. SETTINGS

MACHINE CONFIG. BIT 4 SEE CONFIG. SETTINGS

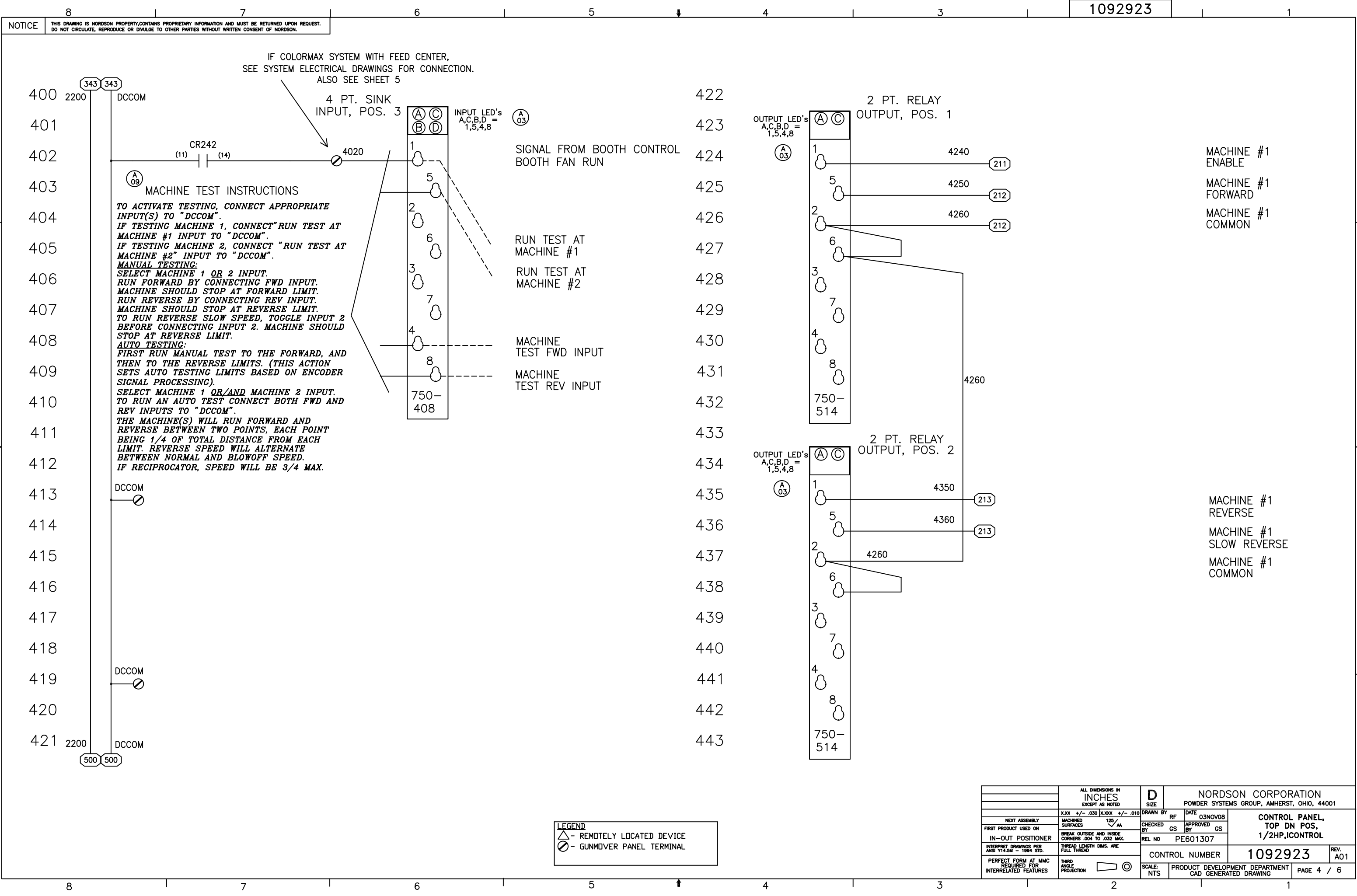
MACHINE #1 REVERSE (TOP) LIMIT

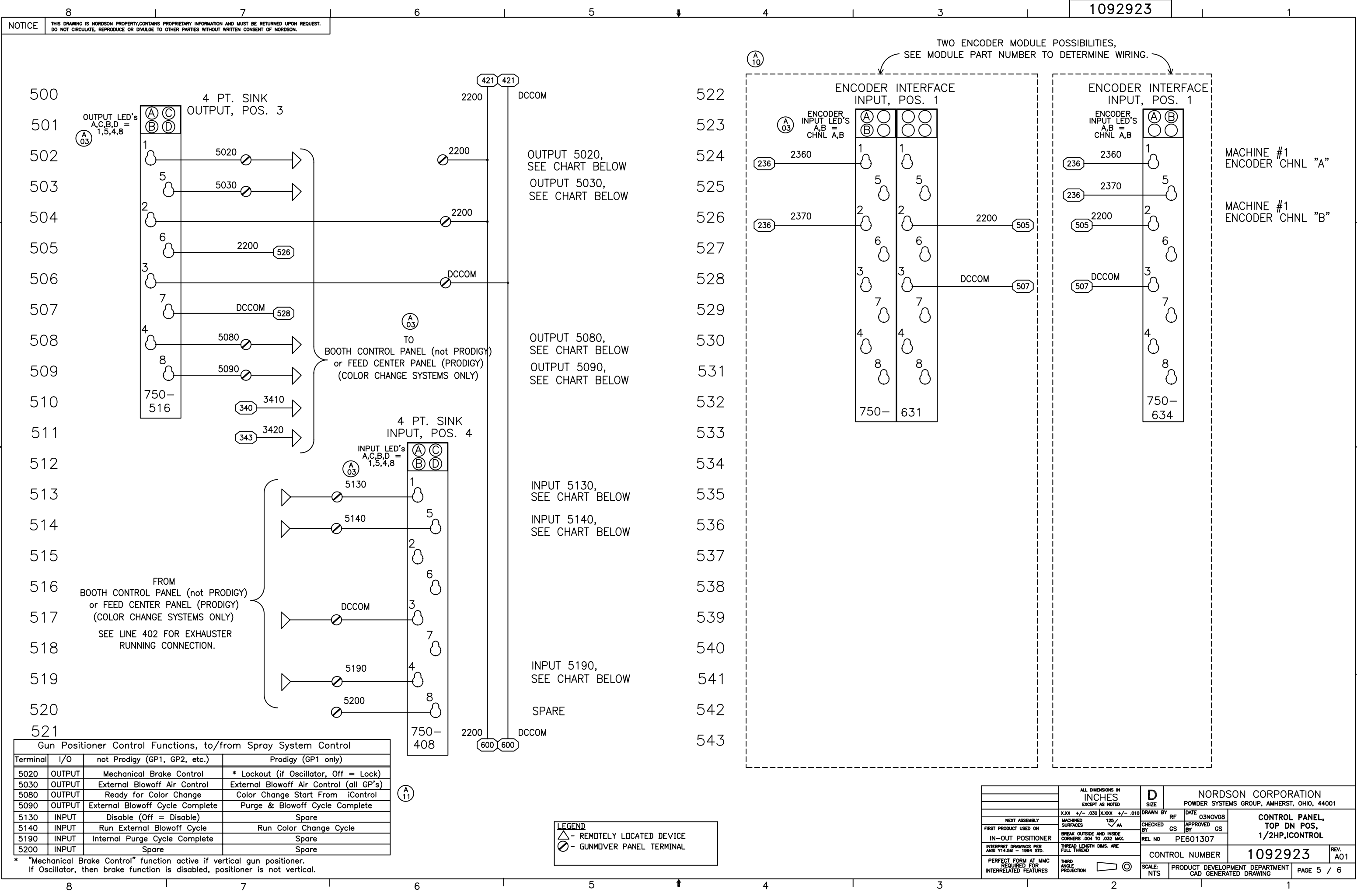
MACHINE #1 FORWARD (BOTTOM) LIMIT

OSC. PROX. AT MACHINE #1

MACHINE #1 USA COLORMAX, PURGE LIMIT

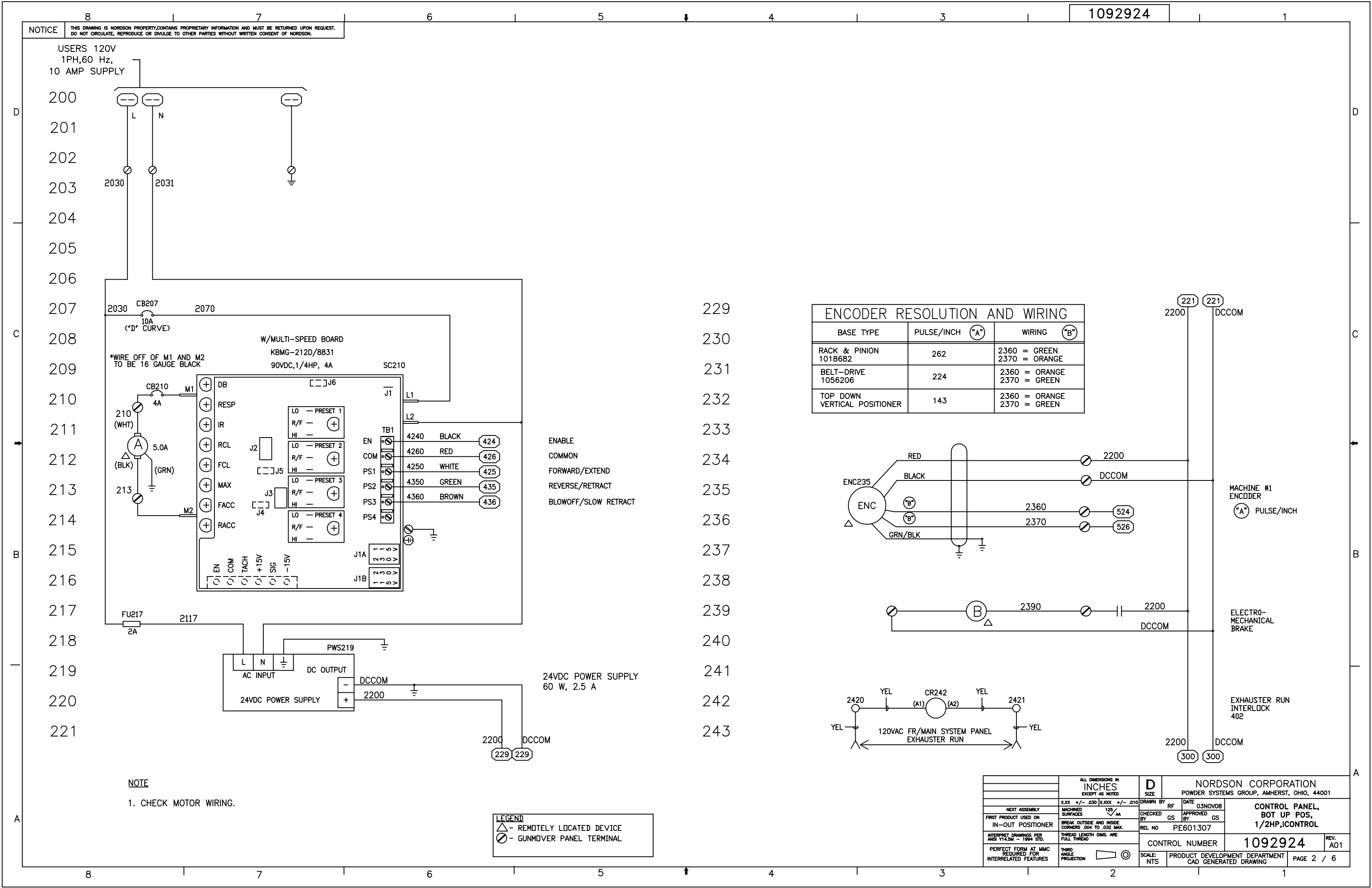
ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY	X.XX +/- .030 X.XXX +/- .010	DRAWN BY	RF	DATE	03NOV08
FIRST PRODUCT USED ON	MACHINED SURFACES 125 AA	CHECKED BY	GS	APPROVED BY	GS
IN-OUT POSITIONER	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.	REL NO	PE601307		
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THREAD LENGTH DIMS. ARE FULL THREAD	CONTROL NUMBER		1092923	REV. A01
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 3 / 6

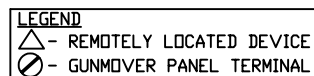




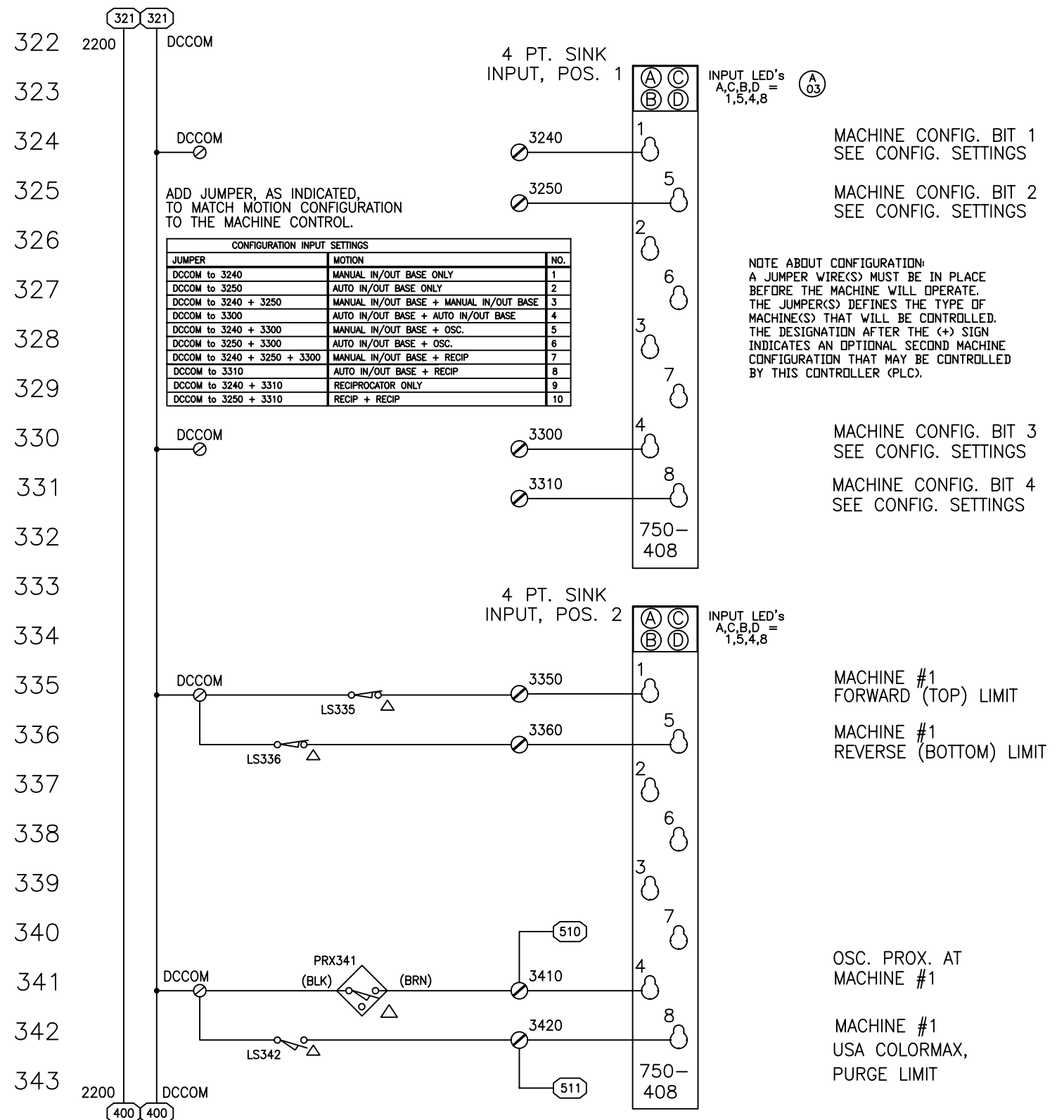
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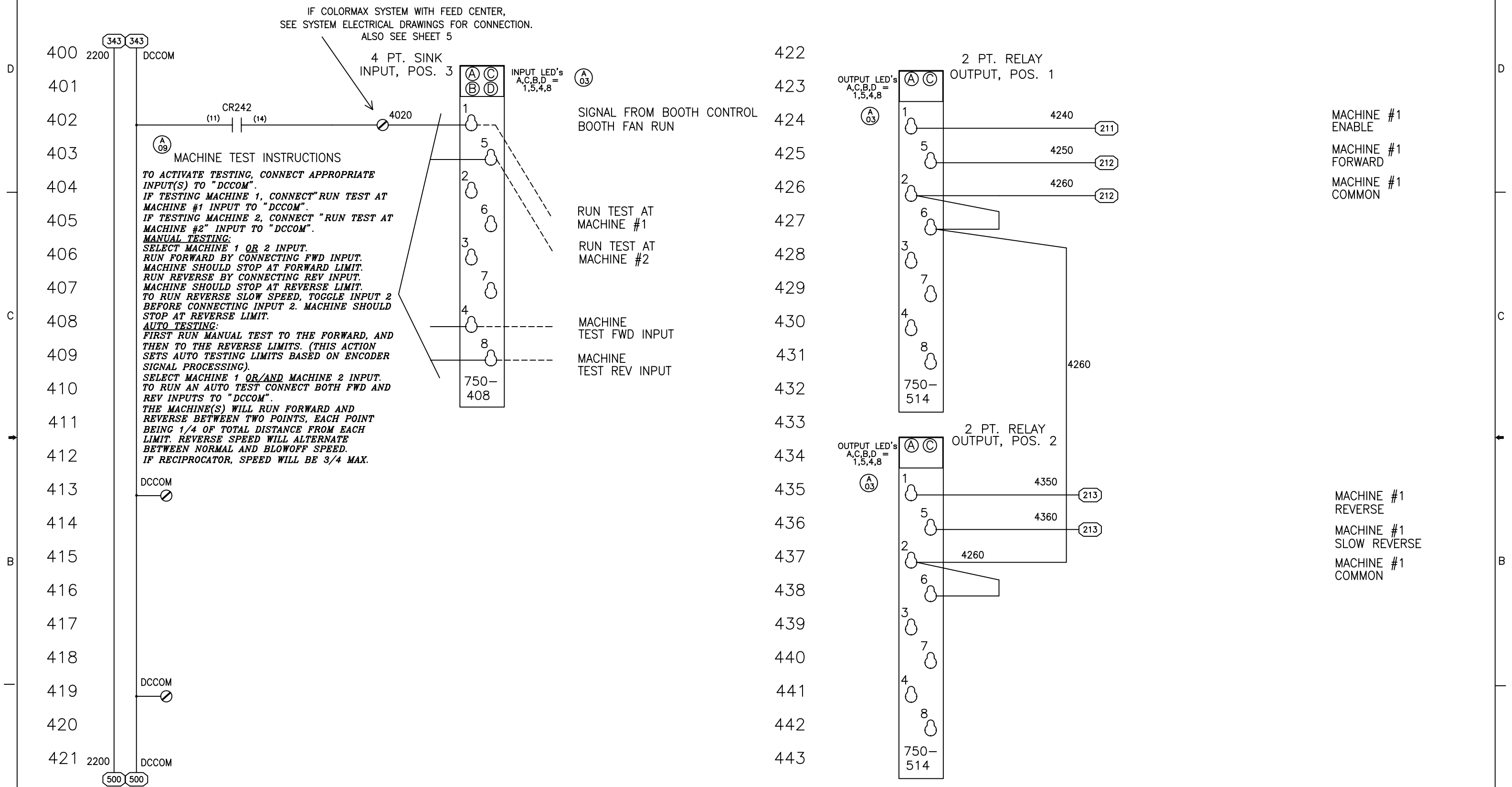


CONFIGURATION INPUT SETTINGS		
JUMPER	MOTION	NC
DCCOM to 3240	MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250	AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250	MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300	AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300	MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300	AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300	MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310	AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310	RECIPROCATOR ONLY	9
DCCOM to 3250 + 3310	RECIP + RECIP	10



		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWER SYSTEMS GROUP, AMHERST, OHIO, 44001	
		X.XXX +/- .030 X.XXXX +/- .010  125 MILS		DRAWN BY RF		DATE 03NOV08	
NEXT ASSEMBLY FIRST PRODUCT USE ON IN-OUT POSITIONER		MACHINED SURFACES BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CHECKED BY GS		APPROVED BY GS	
INTERPRET DRAWINGS PER ANSI Y14.2M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD		REL NO PE601307		CONTROL PANEL, BOT UP POS, 1/2HP,CONTROL	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION 		CONTROL NUMBER 1092924		REV. A01	
		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 3 / 6	

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LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

		ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001				
		X.XXX +/- .030 X.XXXX +/- .010		DRAWN BY RF		DATE 03NOV08		CONTROL PANEL, BOT UP POS, 1/2HP, ICONTROL		
NEXT ASSEMBLY		MACHINED SURFACES 125 AA		CHECKED BY GS		APPROVED BY GS				
FIRST PRODUCT USED ON		BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO PE601307						
IN-OUT POSITIONER		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER				1092924		REV. A01
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THIRD ANGLE PROJECTION		SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING			PAGE 4 / 6	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES										

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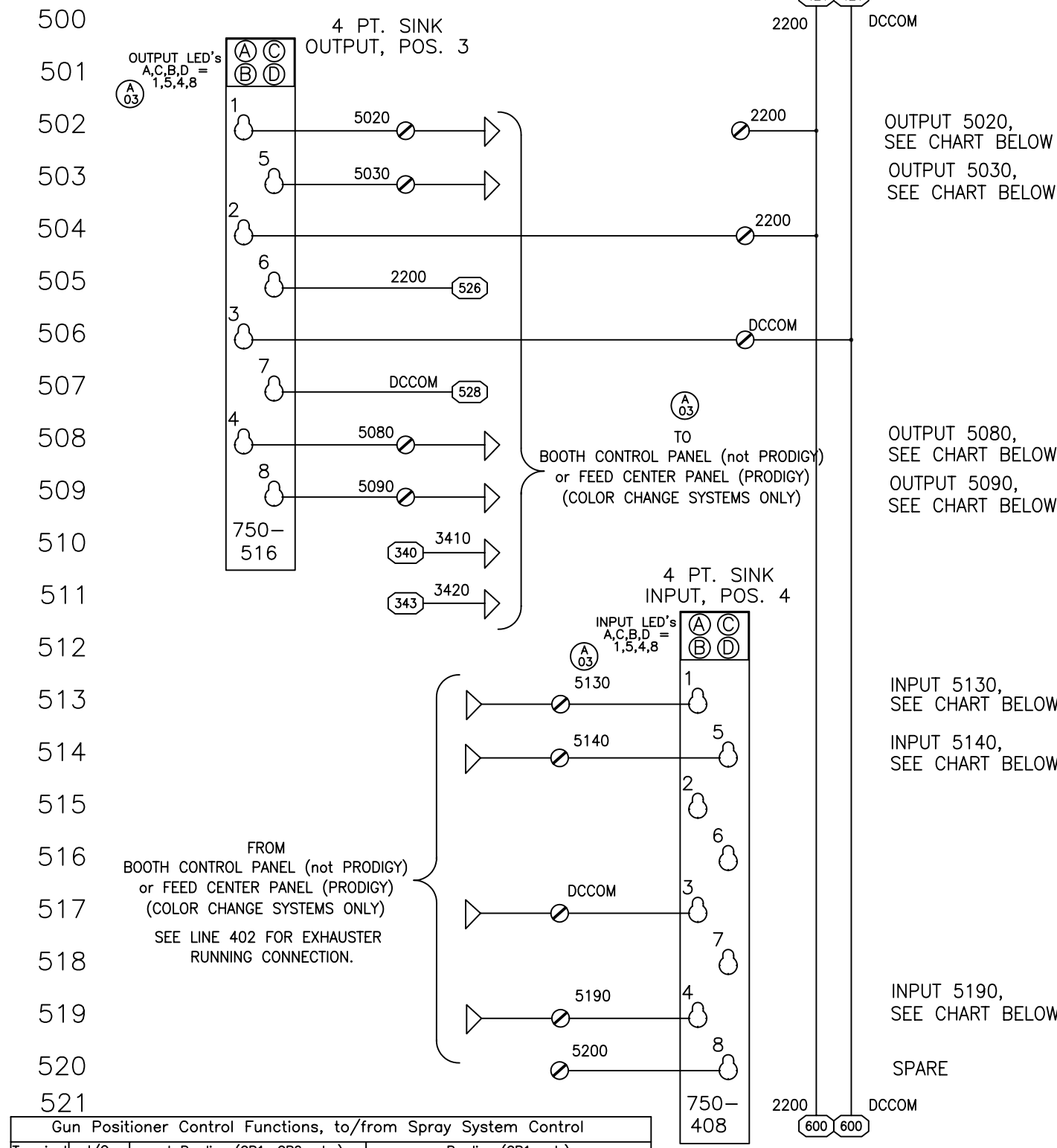
A

D

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A

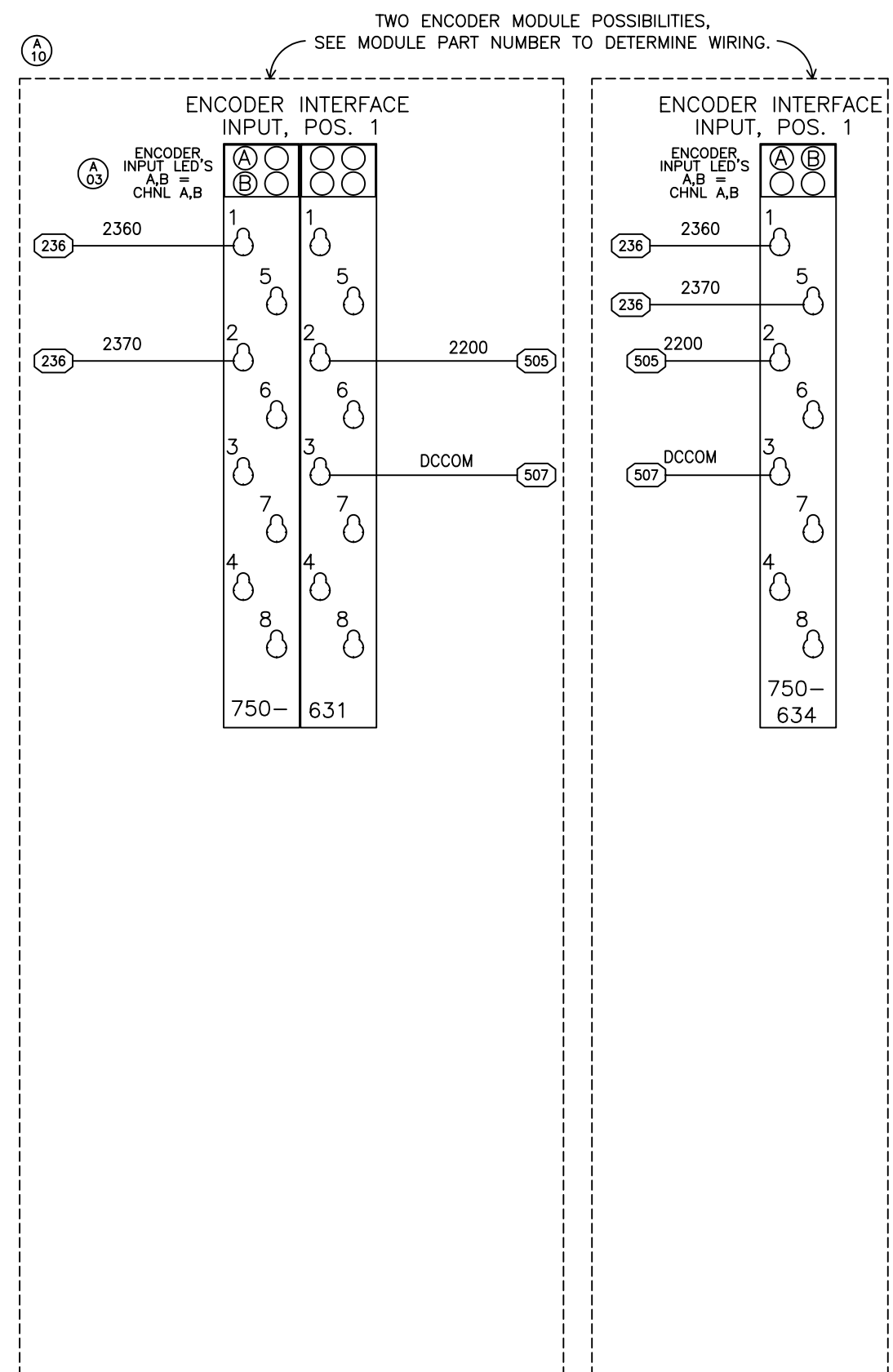


Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GP1, GP2, etc.)	Prodigy (GP1 only)
5020	OUTPUT	Mechanical Brake Control	* Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	External Blowoff Air Control	External Blowoff Air Control (all GP's)
5080	OUTPUT	Ready for Color Change	Color Change Start From iControl
5090	OUTPUT	External Blowoff Cycle Complete	Purge & Blowoff Cycle Complete
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run External Blowoff Cycle	Run Color Change Cycle
5190	INPUT	Internal Purge Cycle Complete	Spare
5200	INPUT	Spare	Spare

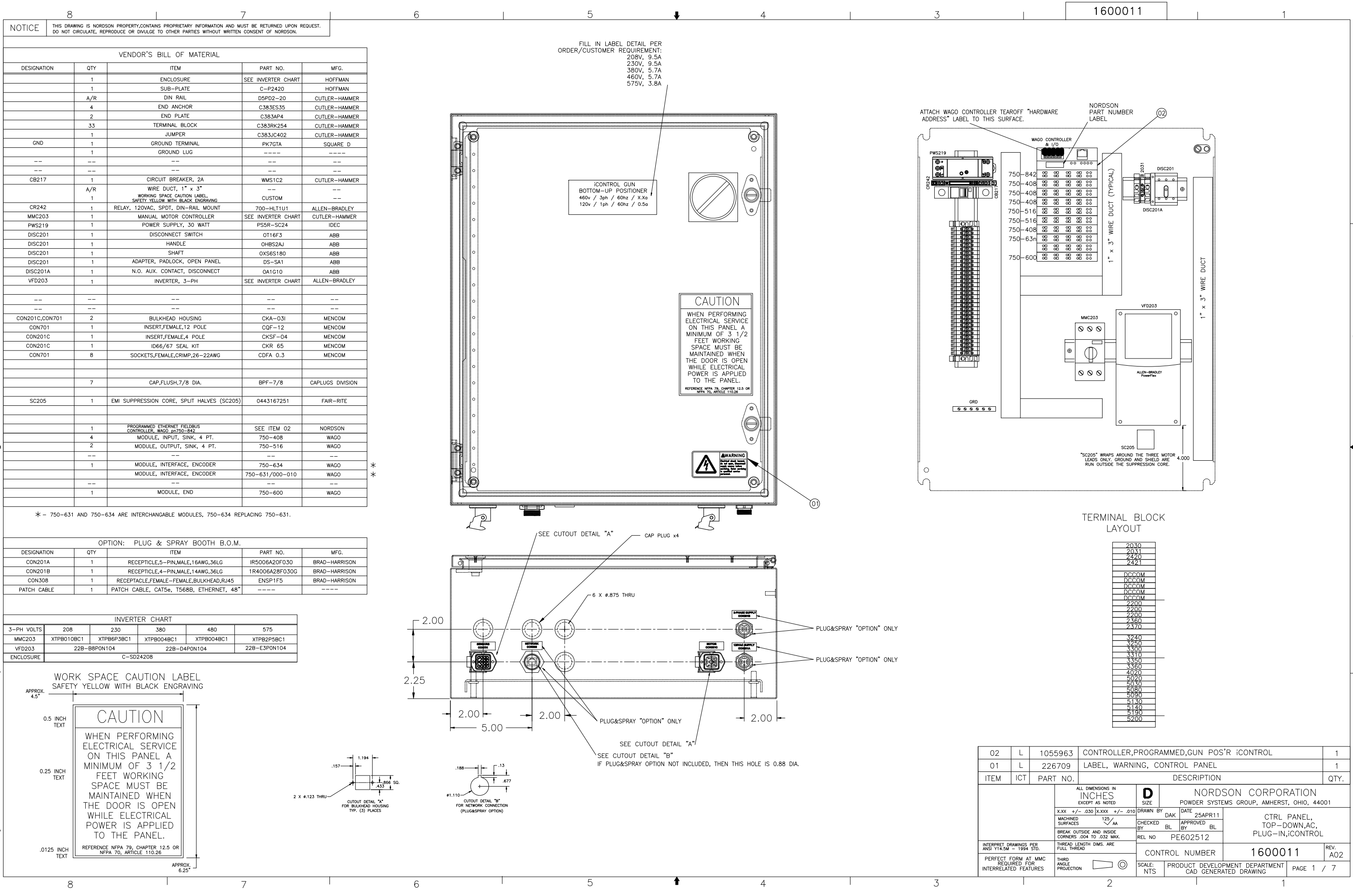
* "Mechanical Brake Control" function active if vertical gun positioner.
If Oscillator, then brake function is disabled, positioner is not vertical.

LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUNMOVER PANEL TERMINAL

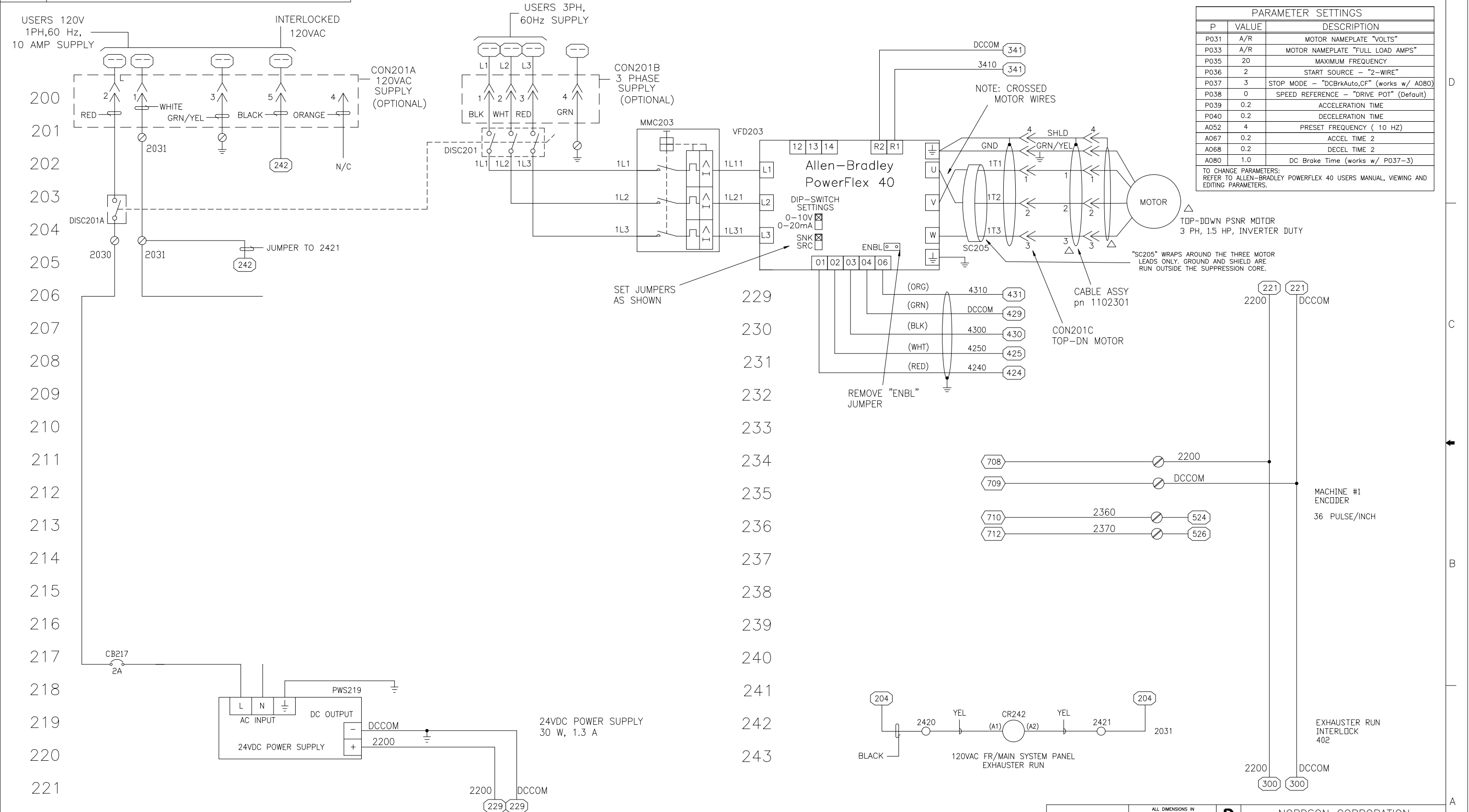
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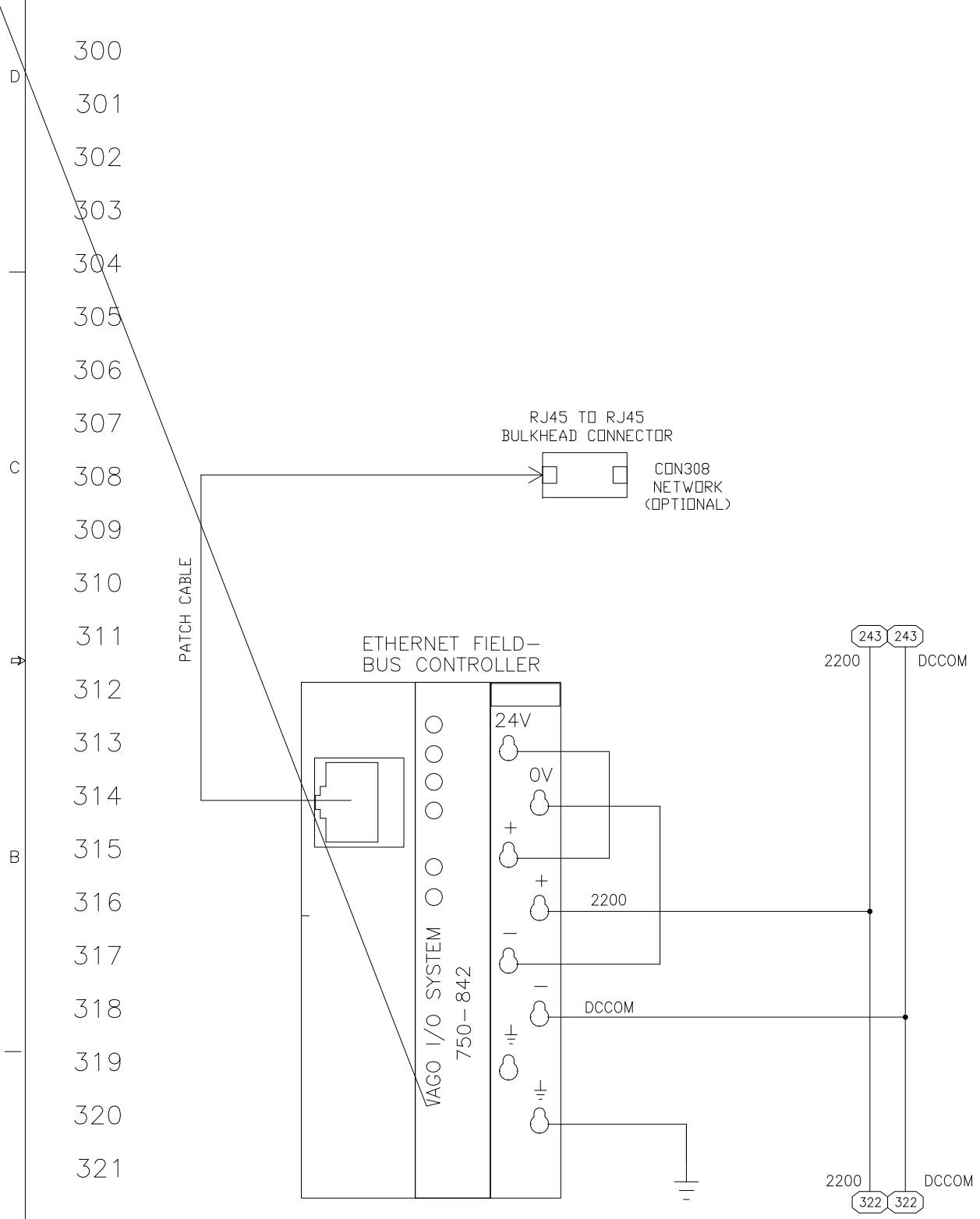
ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE		NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
NEXT ASSEMBLY		DRAWN BY RF		DATE 03NOV08	
FIRST PRODUCT USED ON		CHECKED BY GS		APPROVED BY GS	
IN-OUT POSITIONER		REL NO PE601307		CONTROL PANEL, BOT UP POS, 1/2HP, iCONTROL	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER 1092924	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		SCALE: NTS	
				PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	
				PAGE 5 / 6	



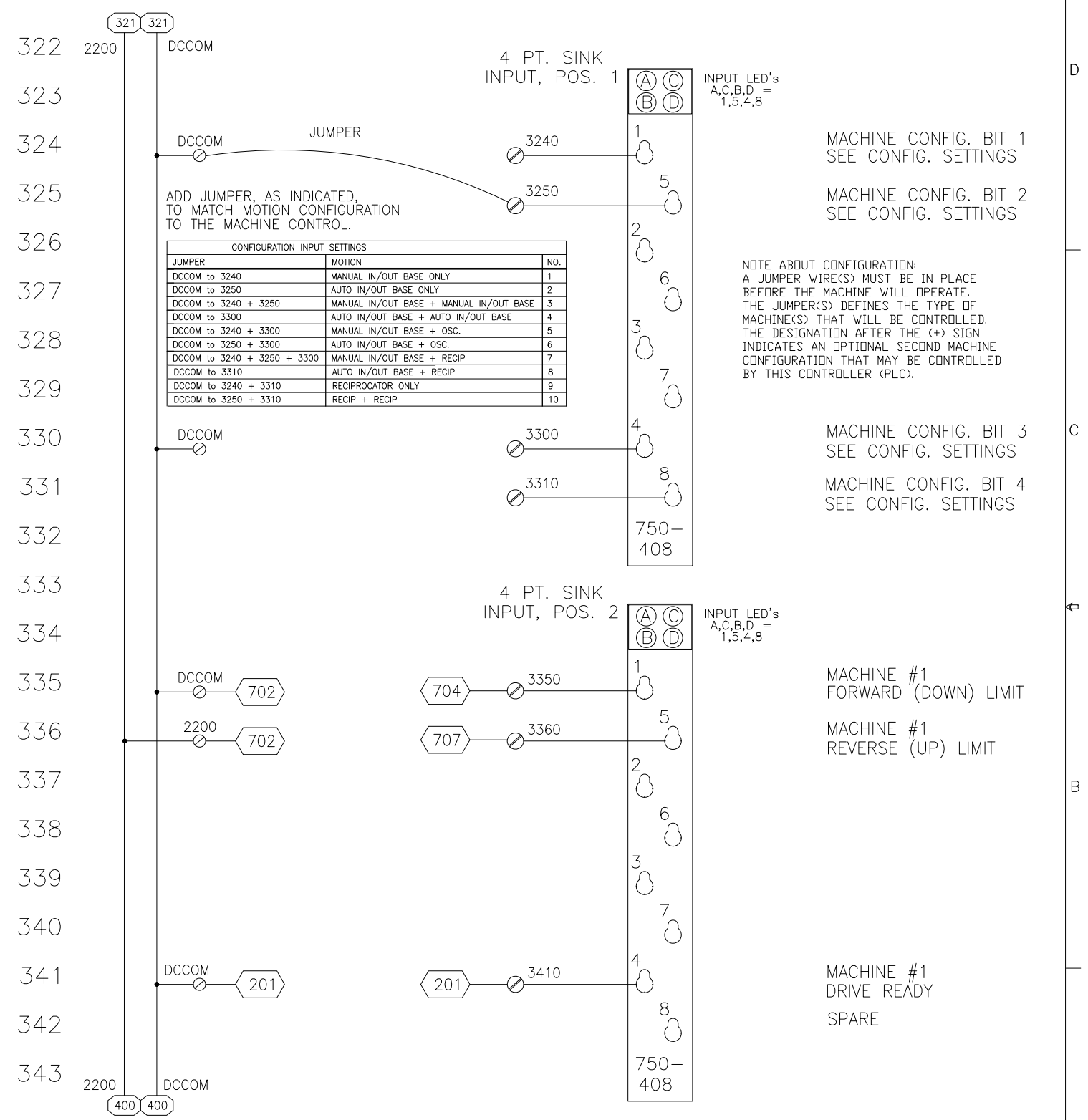
NOTICE THIS DRAWING IS NORDSON PROPERTY, CONTAINS PROPRIETARY INFORMATION AND MUST BE RETURNED UPON REQUEST. DO NOT CIRCULATE, REPRODUCE OR DIVULGE TO OTHER PARTIES WITHOUT WRITTEN CONSENT OF NORDSON.



ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D	NORDSON CORPORATION		
X.XX +/- .030 X.XXX +/- .010			POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001		
MACHINED SURFACES	125 / AA	DRAWN BY	BL	DATE	25APR11
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		CHECKED BY	BL	APPROVED BY	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THREAD LENGTH DIMS. ARE FULL THREAD	REL NO	PE602512		
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	CONTROL NUMBER		1600011	REV. A02
		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 2 / 7



CONFIGURATION INPUT SETTINGS		
JUMPER	MOTION	NO.
DCCOM to 3240	MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250	AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250	MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300	AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300	MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300	AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300	MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310	AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310	RECIPROATOR ONLY	9
DCCOM to 3250 + 3310	RECIP + RECIP	10



LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUNDOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED				NORDSON CORPORATION	
		SIZE		POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
		X.XX +/- .030 X.XXX +/- .010	DRAWN BY BL DATE 25APR11	CTRL PANEL, TOP-DOWN,AC, PLUG-IN,iCONTROL	
		MACHINED SURFACES 125/AA	CHECKED BY BL APPROVED BY BL		
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO PE602512			
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER 1600011	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION 		REV. A02	
		SCALE: NTS	PROJECT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 3 / 7

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IF COLORMAX SYSTEM WITH FEED CENTER,
SEE SYSTEM ELECTRICAL DRAWINGS FOR CONNECTION.
ALSO SEE SHEET 5

4 PT. SINK
INPUT, POS. 3

INPUT LED's
A,C,B,D =
1,5,4,8

MACHINE TEST INSTRUCTIONS

TO ACTIVATE TESTING, CONNECT APPROPRIATE
INPUT(S) TO "DCCOM".
IF TESTING MACHINE 1, CONNECT "RUN TEST AT
MACHINE #1 INPUT TO "DCCOM".
IF TESTING MACHINE 2, CONNECT "RUN TEST AT
MACHINE #2" INPUT TO "DCCOM".
MANUAL TESTING:
SELECT MACHINE 1 OR 2 INPUT.
RUN FORWARD BY CONNECTING FWD INPUT.
MACHINE SHOULD STOP AT FORWARD LIMIT.
RUN REVERSE BY CONNECTING REV INPUT.
MACHINE SHOULD STOP AT REVERSE LIMIT.
TO RUN REVERSE SLOW SPEED, TOGGLE INPUT 2
BEFORE CONNECTING INPUT 2. MACHINE SHOULD
STOP AT REVERSE LIMIT.
AUTO TESTING:
FIRST RUN MANUAL TEST TO THE FORWARD, AND
THEN TO THE REVERSE LIMITS. (THIS ACTION
SETS AUTO TESTING LIMITS BASED ON ENCODER
SIGNAL PROCESSING).
SELECT MACHINE 1 OR/AND MACHINE 2 INPUT.
TO RUN AN AUTO TEST CONNECT BOTH FWD AND
REV INPUTS TO "DCCOM".
THE MACHINE(S) WILL RUN FORWARD AND
REVERSE BETWEEN TWO POINTS, EACH POINT
BEING 1/4 OF TOTAL DISTANCE FROM EACH
LIMIT. REVERSE SPEED WILL ALTERNATE
BETWEEN NORMAL AND BLOWOFF SPEED.
IF RECIPROCATOR, SPEED WILL BE 3/4 MAX.

SIGNAL FROM BOOTH CONTROL
BOOTH FAN RUN

REMOTE E-STOP INPUT
"ON" = E-STOP SET

RUN TEST AT
MACHINE #1

RUN TEST AT
MACHINE #2

MACHINE
TEST FWD INPUT

MACHINE
TEST REV INPUT

4 PT. SINK
OUTPUT, POS. 1

OUTPUT LED's
A,C,B,D =
1,5,4,8

4240 (RED)

4250 (WHT)

DCCOM (GRN)

4300 (BLK)

4310 (ORG)

MACHINE #1
ENABLE

MACHINE #1
FORWARD

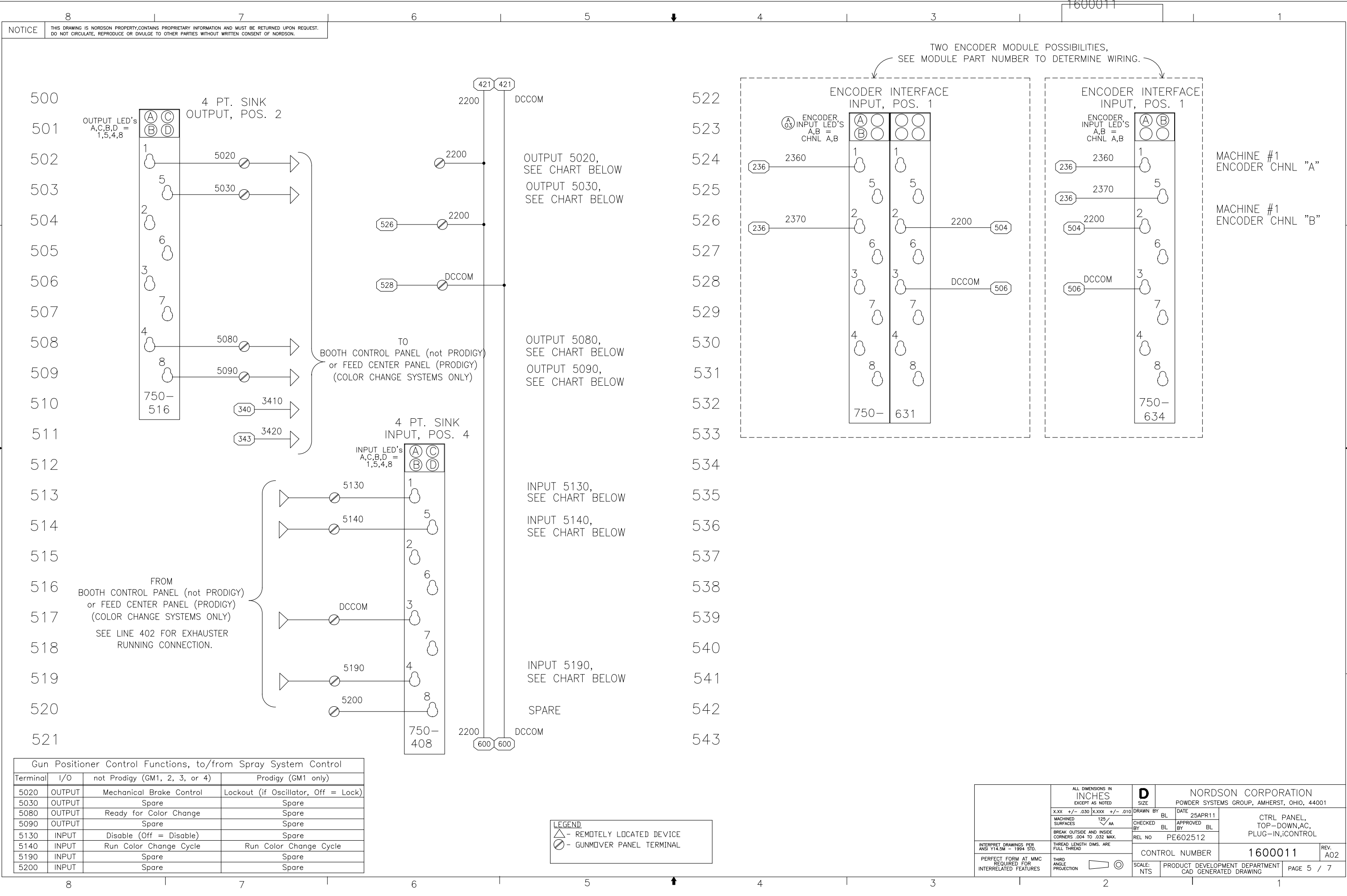
MACHINE #1
COMMON

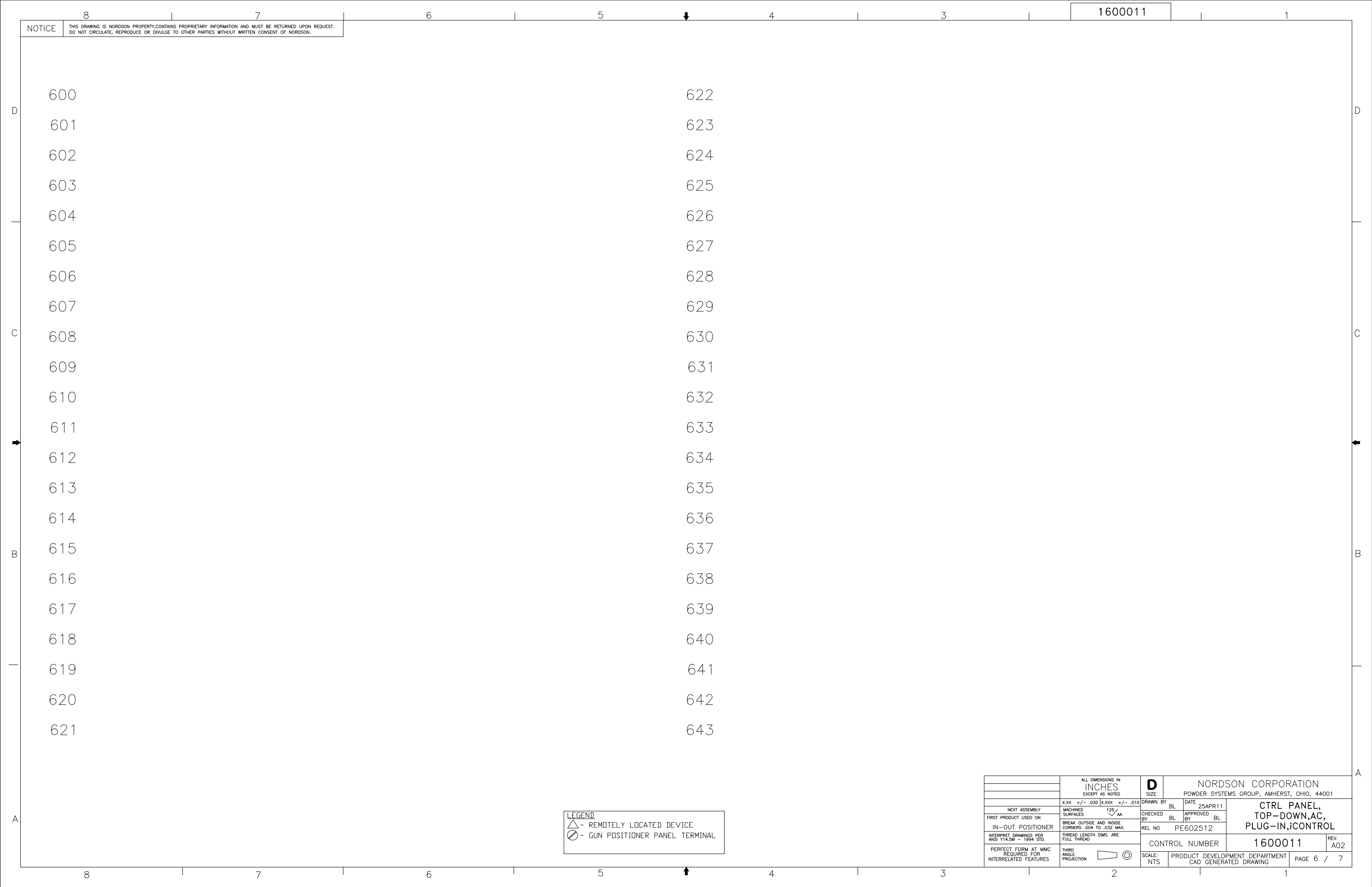
MACHINE #1
REVERSE

MACHINE #1
SLOW SPD

LEGEND
△ - REMOTELY LOCATED DEVICE
○ - GUNMOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION	
			POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
X.XX +/- .030	X.XXX +/- .010	DRAWN BY	DATE	25APR11
MACHINED SURFACES	125/AA	CHECKED BY	APPROVED BY	
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO		PE602512
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		CONTROL NUMBER		1600011
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		REV. A02
SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 4 / 7





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1600011

LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUN POSITIONER PANEL TERMINAL

	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D	NORDSON CORPORATION	
			SIZE	POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
	X.XX +/- .030	X.XXX +/- .010	DRAWN BY	BL	DATE 25APR11
NEXT ASSEMBLY	MACHINED SURFACES	125 / AA	CHECKED BY	BL	APPROVED BY
FIRST PRODUCT USED ON	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE602512	
IN-OUT POSITIONER	THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER	1600011	
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	THIRD ANGLE PROJECTION		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	REV. A02
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES			PAGE 6 / 7		

8 7 6 5 4 3 2 1

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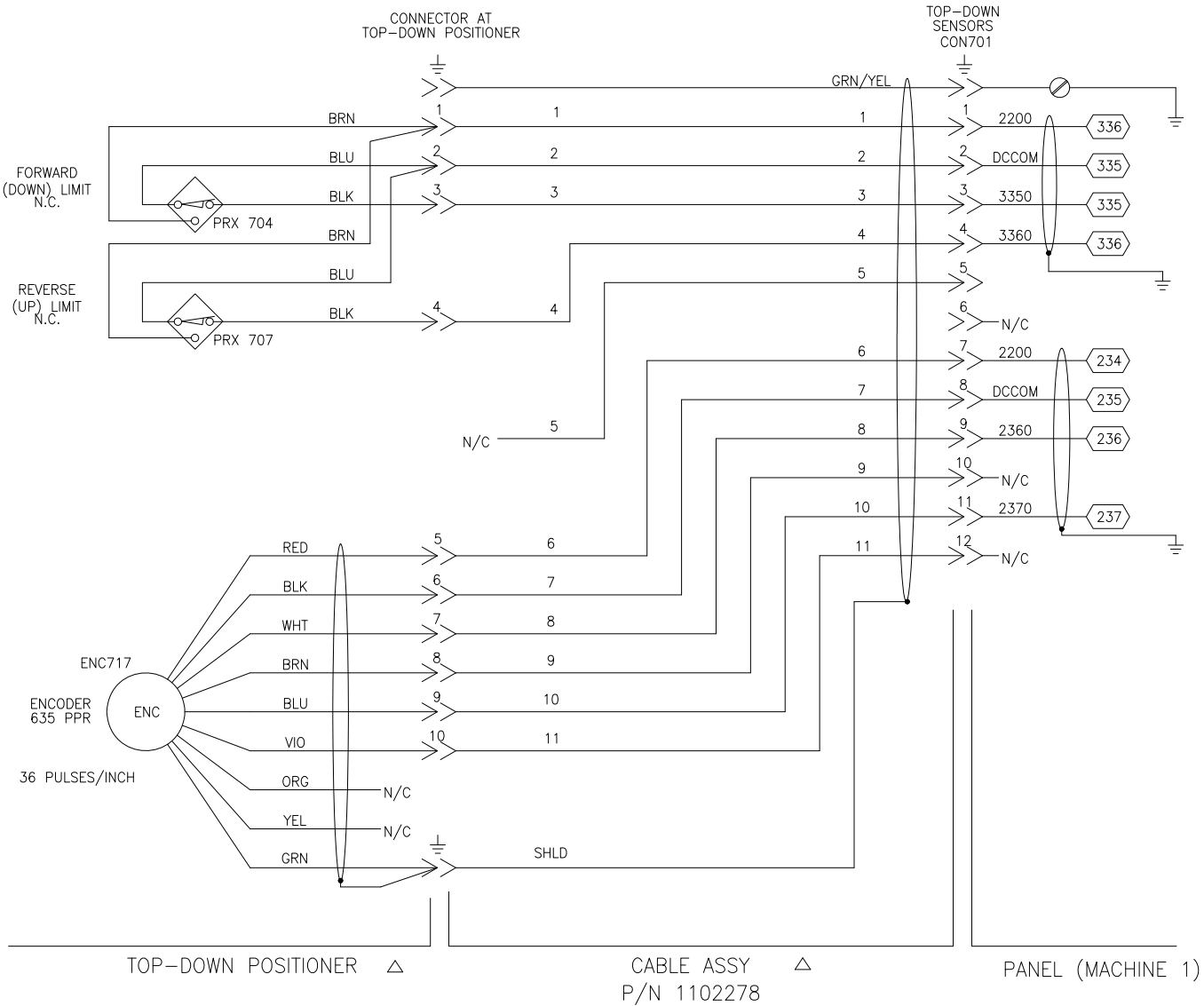
1600011								
1								
CHG LTR	REVISION				BY	CHK	ECR NO.	DATE
-	SEE SHEET 1 FOR NOTES AND REVISION.				-	-	-	-

D

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LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUN POSITIONER PANEL TERMINAL

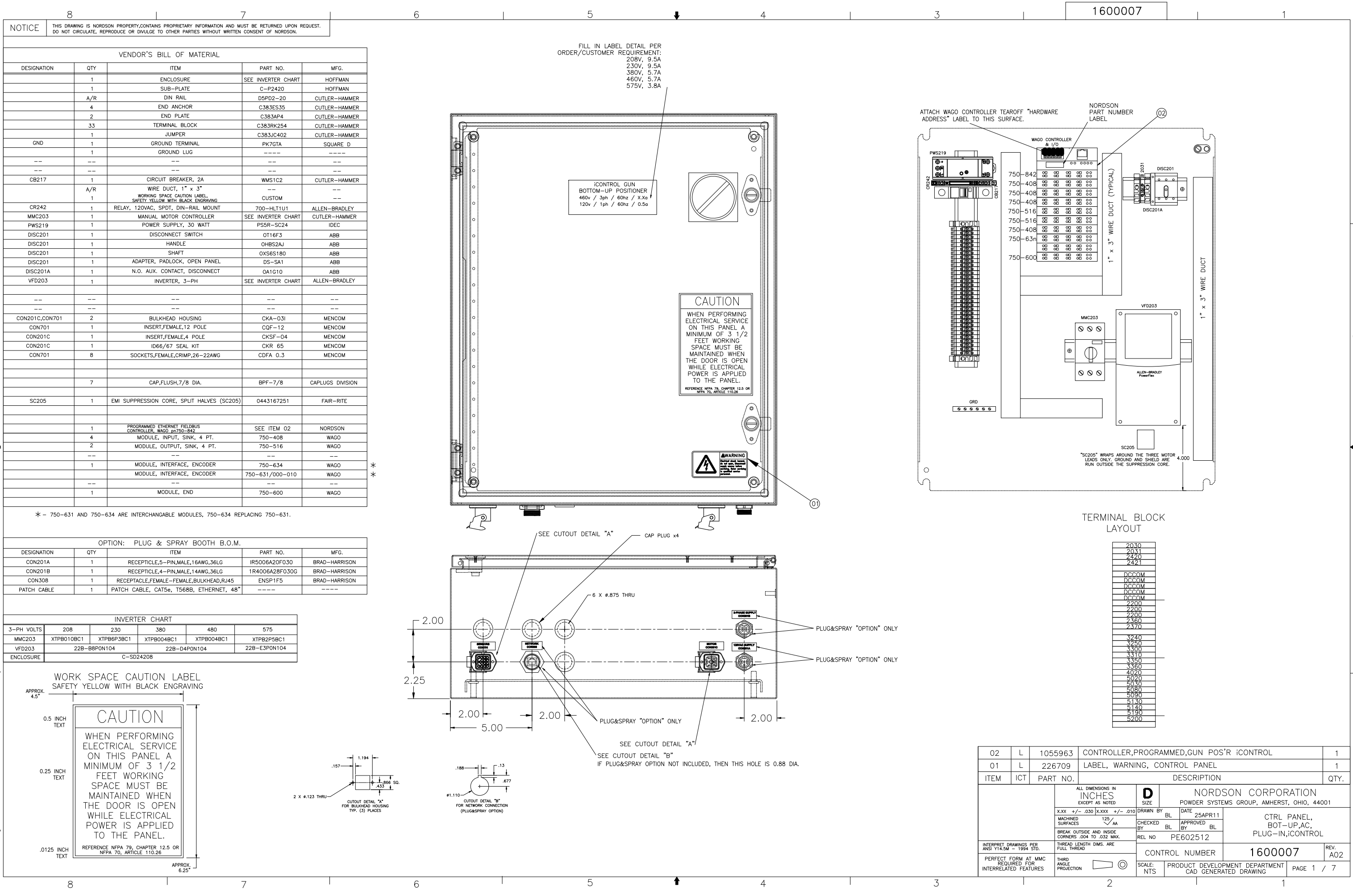
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD. PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
	X.XX +/- .030	X.XXX +/- .010		DRAWN BY BL	DATE 25APR11
	MACHINED SURFACES 125 AA			CHECKED BY BL	APPROVED BY BL
	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX. FULL THREAD			REL NO PE602512	CONTROL NUMBER 1600011
THIRD ANGLE PROJECTION			SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	REV. A02
				PAGE 7 / 7	

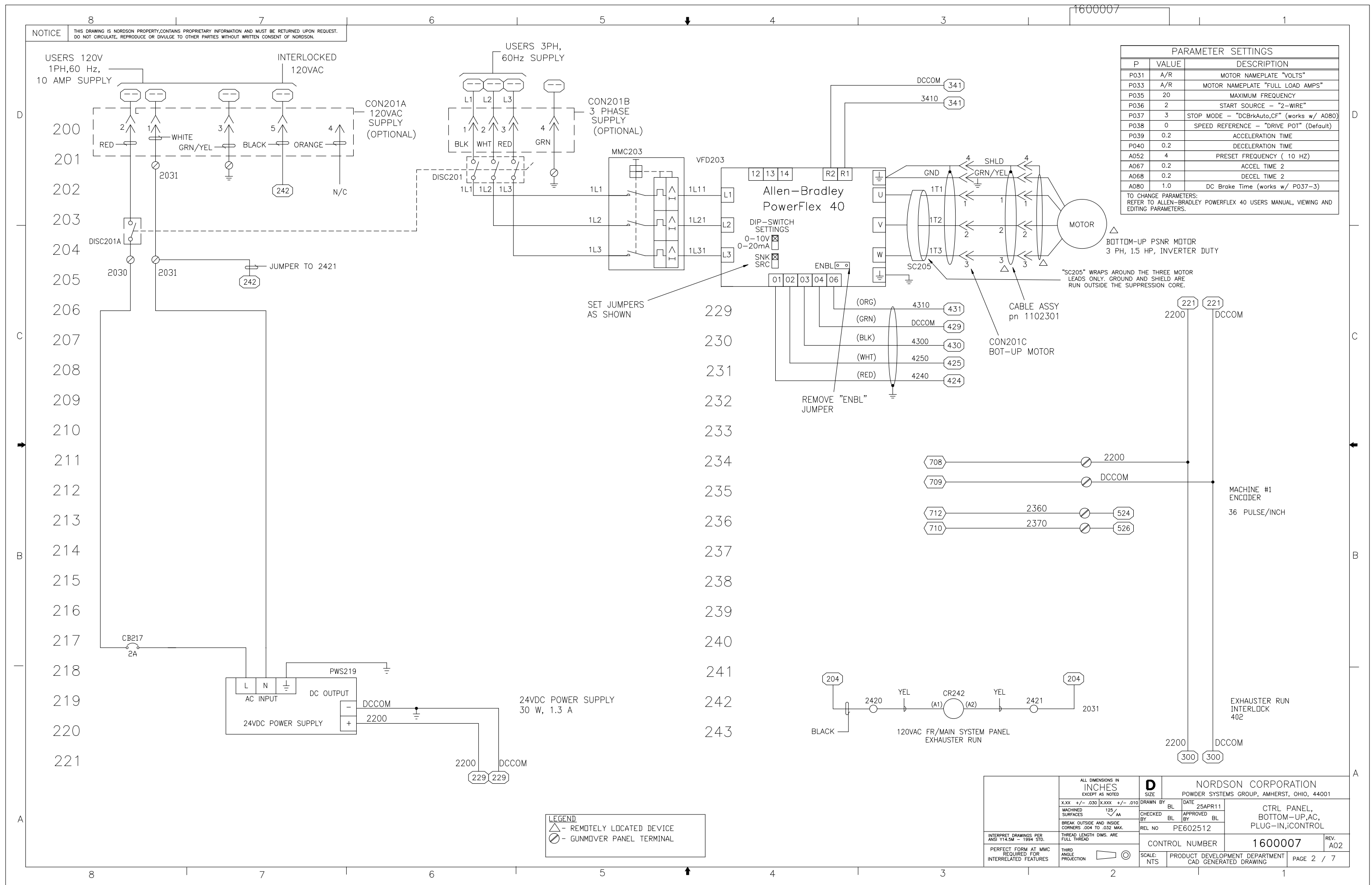
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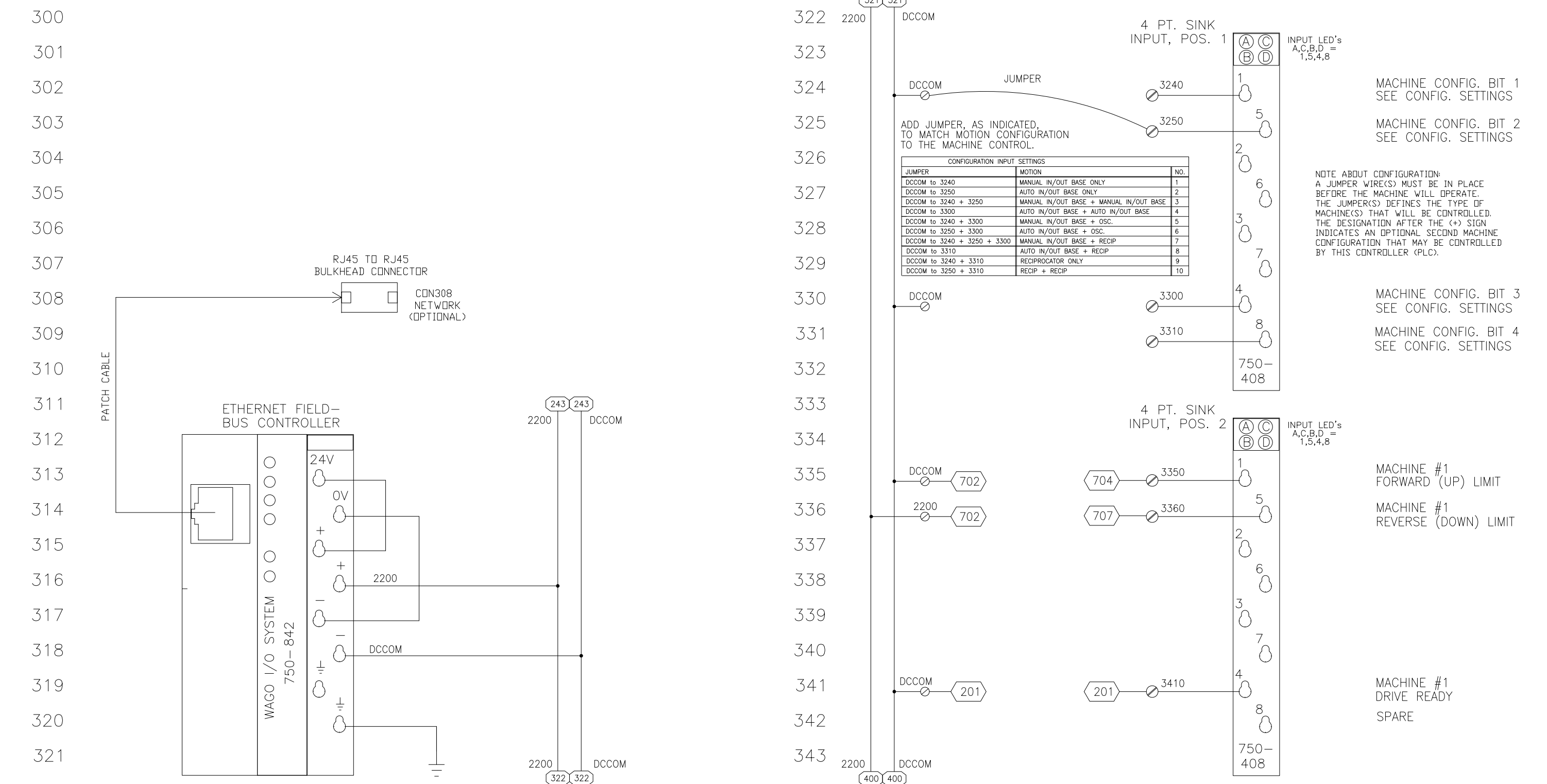
B

A





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CONFIGURATION INPUT		SETTINGS	
JUMPER		MOTION	NO.
DCCOM to 3240		MANUAL IN/OUT BASE ONLY	1
DCCOM to 3250		AUTO IN/OUT BASE ONLY	2
DCCOM to 3240 + 3250		MANUAL IN/OUT BASE + MANUAL IN/OUT BASE	3
DCCOM to 3300		AUTO IN/OUT BASE + AUTO IN/OUT BASE	4
DCCOM to 3240 + 3300		MANUAL IN/OUT BASE + OSC.	5
DCCOM to 3250 + 3300		AUTO IN/OUT BASE + OSC.	6
DCCOM to 3240 + 3250 + 3300		MANUAL IN/OUT BASE + RECIP	7
DCCOM to 3310		AUTO IN/OUT BASE + RECIP	8
DCCOM to 3240 + 3310		RECIPROCATOR ONLY	9
DCCOM to 3250 + 3310		RECIP + RECIP	10

NOTE ABOUT CONFIGURATION:
A JUMPER WIRE(§§) MUST BE IN PLACE
BEFORE THE MACHINE WILL OPERATE.
THE JUMPER(§§) DEFINES THE TYPE OF
MACHINE(§§) THAT WILL BE CONTROLLED.
THE DESIGNATION AFTER THE (+) SIGN
INDICATES AN OPTIONAL SECOND MACHINE
CONFIGURATION THAT MAY BE CONTROLLED
BY THIS CONTROLLER (PLC).

LEGEND

△ - REMOTELY LOCATED DEVICE

⊗ - GUNMOVER PANEL TERMINAL

INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001		
	X.XXX +/- .030	X.XXX +/- .010		DRAWN BY	DATE 25APR11	CTRL PANEL, BOT-UP,AC, PLUG-IN;CONTROL
	MACHINED SURFACES	125 / AA	CHECKED BY	APPROVED BY		
	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO	PE602512		
	THREAD LENGTH DIMS. ARE FULL THREAD		CONTROL NUMBER	1600007	REV. A02	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION		SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		
PAGE 3 / 7						

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IF COLORMAX SYSTEM WITH FEED CENTER,
SEE SYSTEM ELECTRICAL DRAWINGS FOR CONNECTION.
ALSO SEE SHEET 5

4 PT. SINK
INPUT, POS. 3

INPUT LED's
A,C,B,D =
1,5,4,8

MACHINE TEST INSTRUCTIONS

TO ACTIVATE TESTING, CONNECT APPROPRIATE
INPUT(S) TO "DCCOM".
IF TESTING MACHINE 1, CONNECT "RUN TEST AT
MACHINE #1 INPUT TO "DCCOM".
IF TESTING MACHINE 2, CONNECT "RUN TEST AT
MACHINE #2" INPUT TO "DCCOM".
MANUAL TESTING:
SELECT MACHINE 1 OR 2 INPUT.
RUN FORWARD BY CONNECTING FWD INPUT.
MACHINE SHOULD STOP AT FORWARD LIMIT.
RUN REVERSE BY CONNECTING REV INPUT.
MACHINE SHOULD STOP AT REVERSE LIMIT.
TO RUN REVERSE SLOW SPEED, TOGGLE INPUT 2
BEFORE CONNECTING INPUT 2. MACHINE SHOULD
STOP AT REVERSE LIMIT.
AUTO TESTING:
FIRST RUN MANUAL TEST TO THE FORWARD, AND
THEN TO THE REVERSE LIMITS. (THIS ACTION
SETS AUTO TESTING LIMITS BASED ON ENCODER
SIGNAL PROCESSING).
SELECT MACHINE 1 OR/AND MACHINE 2 INPUT.
TO RUN AN AUTO TEST CONNECT BOTH FWD AND
REV INPUTS TO "DCCOM".
THE MACHINE(S) WILL RUN FORWARD AND
REVERSE BETWEEN TWO POINTS, EACH POINT
BEING 1/4 OF TOTAL DISTANCE FROM EACH
LIMIT. REVERSE SPEED WILL ALTERNATE
BETWEEN NORMAL AND BLOWOFF SPEED.
IF RECIPROCATOR, SPEED WILL BE 3/4 MAX.

SIGNAL FROM BOOTH CONTROL
BOOTH FAN RUN

REMOTE E-STOP INPUT
"ON" = E-STOP SET

RUN TEST AT
MACHINE #1

RUN TEST AT
MACHINE #2

MACHINE
TEST FWD INPUT

MACHINE
TEST REV INPUT

4 PT. SINK
OUTPUT, POS. 1

OUTPUT LED's
A,C,B,D =
1,5,4,8

4240 (RED)

4250 (WHT)

DCCOM (GRN)

4300 (BLK)

4310 (ORG)

MACHINE #1
ENABLE

MACHINE #1
FORWARD

MACHINE #1
COMMON

MACHINE #1
REVERSE

MACHINE #1
SLOW SPD

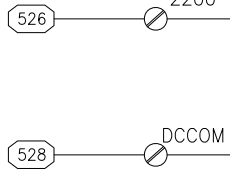
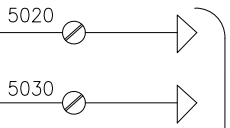
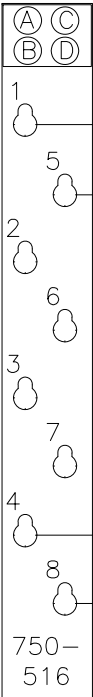
LEGEND
△ - REMOTELY LOCATED DEVICE
○ - GUNMOVER PANEL TERMINAL

ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION	
			POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
X.XX +/- .030	X.XXX +/- .010	DRAWN BY	DATE	25APR11
MACHINED SURFACES	125/AA	CHECKED BY	APPROVED BY	
BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.		REL NO		PE602512
INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.		CONTROL NUMBER		1600007
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION		REV. A02
SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		PAGE 4 / 7

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500 4 PT. SINK OUTPUT, POS. 2

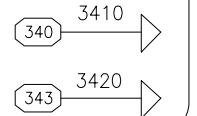
OUTPUT LED'S
A,C,B,D =
1,5,4,8



OUTPUT 5020,
SEE CHART BELOW
OUTPUT 5030,
SEE CHART BELOW

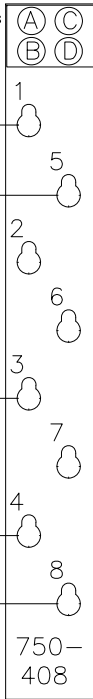
TO
BOOTH CONTROL PANEL (not PRODIGY)
or FEED CENTER PANEL (PRODIGY)
(COLOR CHANGE SYSTEMS ONLY)

OUTPUT 5080,
SEE CHART BELOW
OUTPUT 5090,
SEE CHART BELOW



4 PT. SINK INPUT, POS. 4

INPUT LED'S
A,C,B,D =
1,5,4,8



INPUT 5130,
SEE CHART BELOW
INPUT 5140,
SEE CHART BELOW

INPUT 5190,
SEE CHART BELOW

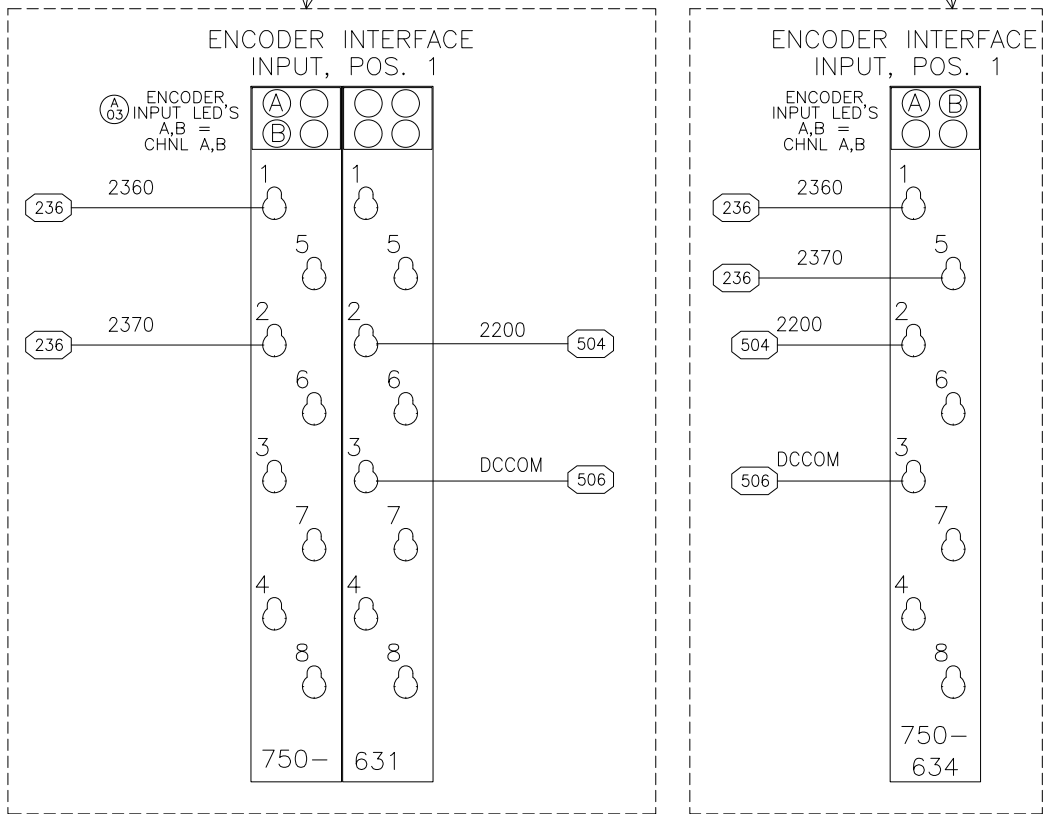
SPARE

FROM
BOOTH CONTROL PANEL (not PRODIGY)
or FEED CENTER PANEL (PRODIGY)
(COLOR CHANGE SYSTEMS ONLY)
SEE LINE 402 FOR EXHAUSTER
RUNNING CONNECTION.

Gun Positioner Control Functions, to/from Spray System Control			
Terminal	I/O	not Prodigy (GM1, 2, 3, or 4)	Prodigy (GM1 only)
5020	OUTPUT	Mechanical Brake Control	Lockout (if Oscillator, Off = Lock)
5030	OUTPUT	Spare	Spare
5080	OUTPUT	Ready for Color Change	Spare
5090	OUTPUT	Spare	Spare
5130	INPUT	Disable (Off = Disable)	Spare
5140	INPUT	Run Color Change Cycle	Run Color Change Cycle
5190	INPUT	Spare	Spare
5200	INPUT	Spare	Spare

LEGEND
△ - REMOTELY LOCATED DEVICE
○ - GUNMOVER PANEL TERMINAL

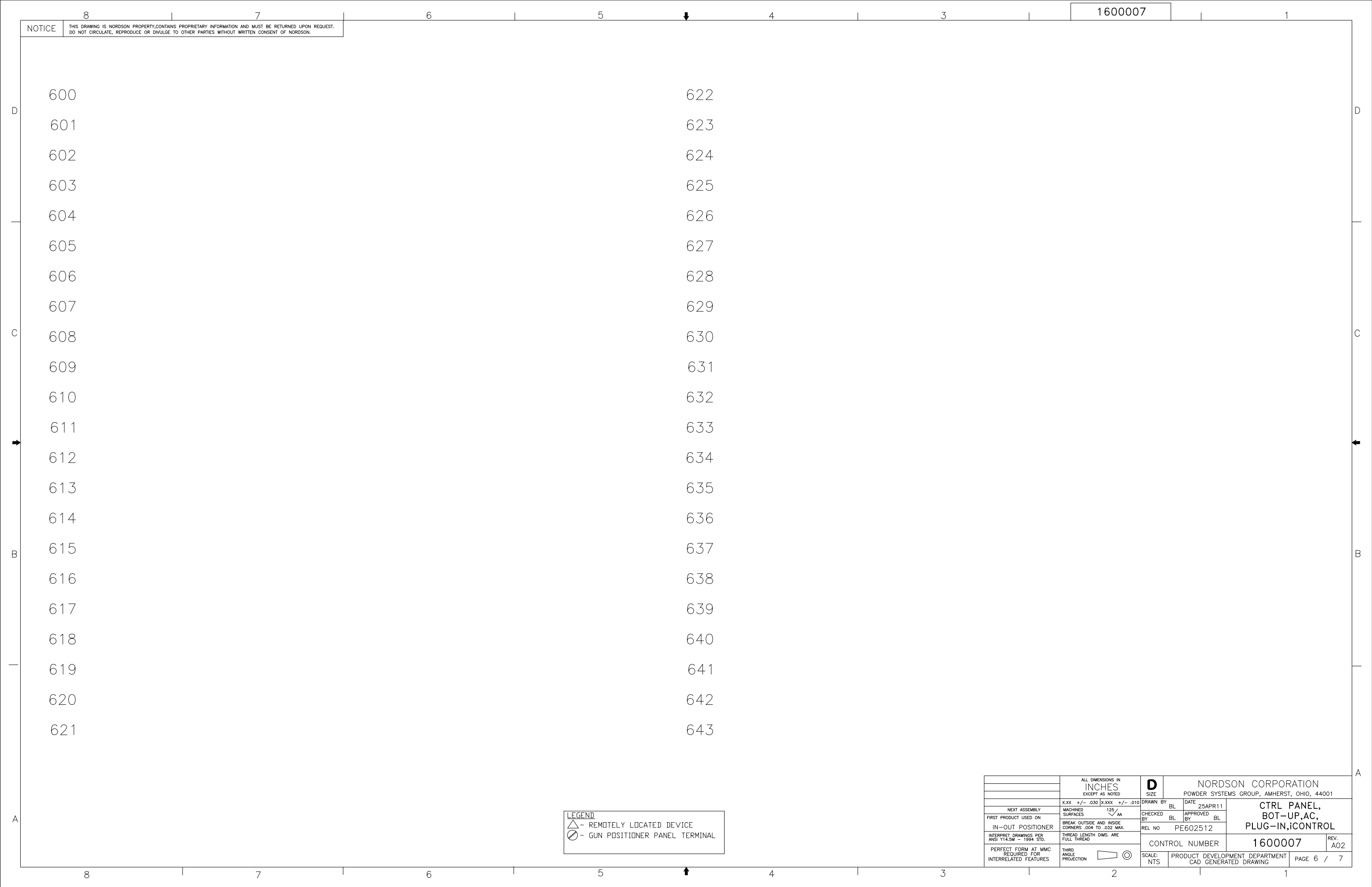
TWO ENCODER MODULE POSSIBILITIES,
SEE MODULE PART NUMBER TO DETERMINE WIRING.



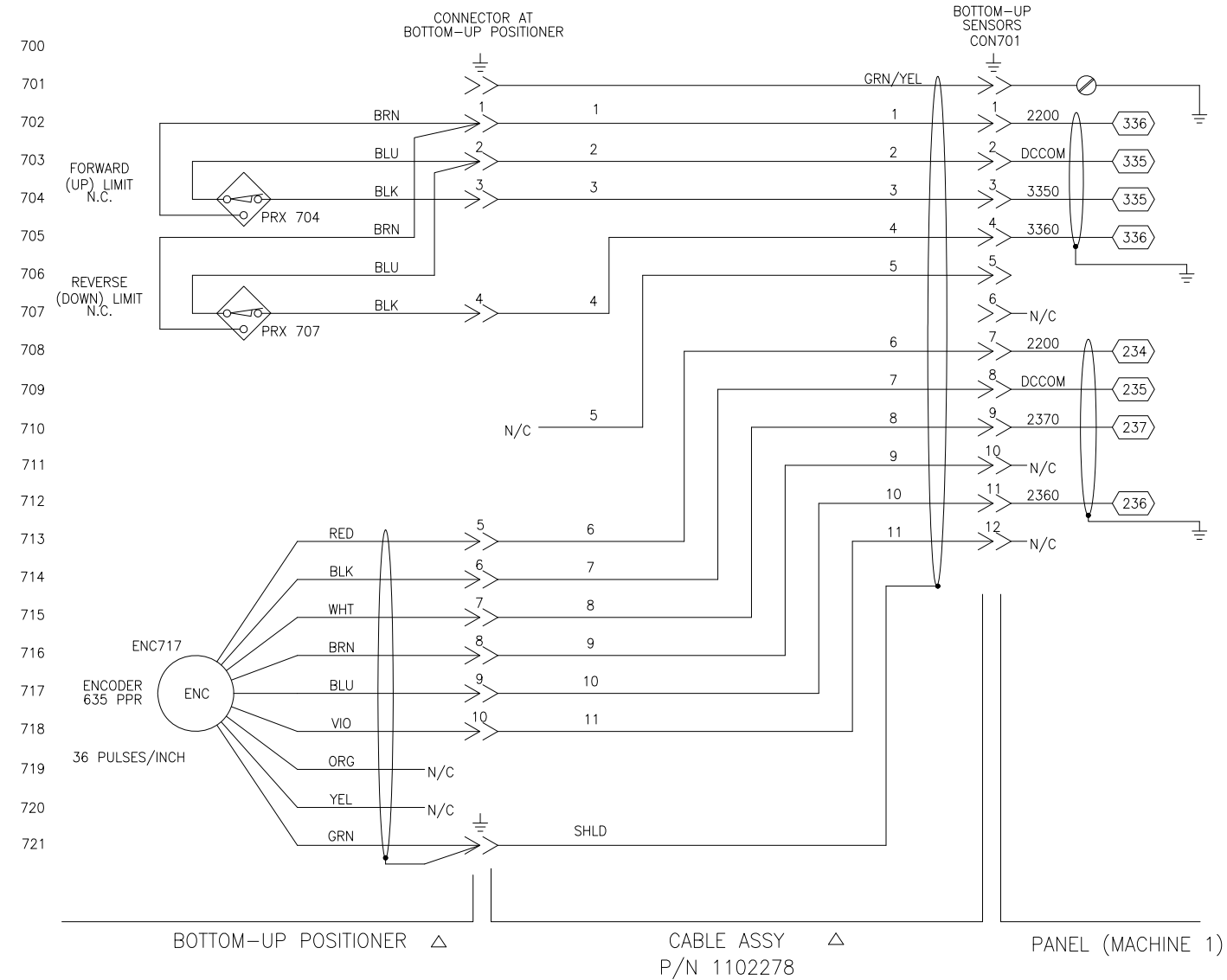
MACHINE #1
ENCODER CHNL "B"

MACHINE #1
ENCODER CHNL "A"

INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED	D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001	
	X.XX +/- .030 X.XXX +/- .010	DRAWN BY BL	DATE 25APR11	CTRL PANEL, BOT-UP,AC, PLUG-IN,CONTROL
	MACHINED SURFACES 125 ✓ AA	CHECKED BY BL	APPROVED BY BL	
	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX. FULL THREAD	REL NO PE602512	CONTROL NUMBER 1600007	REV. A02
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES	THIRD ANGLE PROJECTION	SCALE: NTS	PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING	PAGE 5 / 7



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LEGEND
△ - REMOTELY LOCATED DEVICE
⊗ - GUN POSITIONER PANEL TERMINAL

INTERPRET DRAWINGS PER ANSI Y14.5M - 1994 STD.	ALL DIMENSIONS IN INCHES EXCEPT AS NOTED		D SIZE	NORDSON CORPORATION POWDER SYSTEMS GROUP, AMHERST, OHIO, 44001			
	X.XX +/- .030	X.XXX +/- .010		DRAWN BY	BL	DATE	25APR11
	MACHINED SURFACES	125 AA		CHECKED BY	BL	APPROVED BY	BL
	BREAK OUTSIDE AND INSIDE CORNERS .004 TO .032 MAX.			REL NO	PE602512		
	THREAD LENGTH DIMS. ARE FULL THREAD			CONTROL NUMBER		1600007	
PERFECT FORM AT MMC REQUIRED FOR INTERRELATED FEATURES		THIRD ANGLE PROJECTION	SCALE: NTS		PRODUCT DEVELOPMENT DEPARTMENT CAD GENERATED DRAWING		REV. A02
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