REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 200-HB PRE PROD RELEASE	[illegible]	[illegible]	[illegible]	[illegible]
B	ECN 30440	3-17-76	MM	Z.T.	[illegible]
	ERN 200-HM PROD REL	4/12/76	RE	[illegible]	[illegible]
C	ECN 30477	5-26-76	RJ	[illegible]	[illegible]
D	ECN 30482	6-3-76	SK	[illegible]	[illegible]
E	ECN 30513	8-11-76	RJ	Z.T.	[illegible]
E1	ECN 30521	8-18-76	MH	[illegible]	[illegible]
F	ECN 9119	10/28/76	[illegible]	[illegible]	[illegible]
G	ECN 9640	2/23/77	LB	[illegible]	[illegible]

TABLE I ①

PART NO.	REFERENCE DESIGNATION
100-1015	R27, 28, 74
100-1025	R2, 8, 20, 21, 22, 26, 33, 36, 40, 50, 57, 73, 88, 89, 116
100-1035	R65, 66, 77, 95, 99
100-1045	R70, 71
100-1055	R105
100-1215	R16
100-1515	R15, 59, 61 103, 106, 108
100-1525	R4
100-1535	R23
100-1815	R14, 17, 114
100-1825	R7
100-2215	R30, 32, 47, 49, 112, 113
100-2225	R79, 80, 82, 85, 87
100-2235	R6, 63, 64, 69, 5
100-2715	R19
100-2725	R31, 34
100-2735	R67
100-2745	R52
100-4705	R10, 68
100-4715	R3, 41, 42, 43, 44, 81
100-4725	R29, 53
100-4735	R97, 100
100-4745	R51
100-6805	R60, 62, 104, 107, 109
100-6815	R 84, 86
100-6825	R54, 78, 83, 55
100-8215	R9, 24, 58
100-8225	R96, 98
101-1015	R76
101-1215	R75, 110, 111
101-1525	R90
101-1825	R93, 94
101-2225	R18
101-2725	R13
103 1015	R11, 12
104-1621	R92
104-2152	R37
104-2871	R56
104-5621	R35
104-6191	R1, 91
121-2020	R39, 48
121-2030	R25, 38
123-5020	R115
130-1015	C15, 19
130-3315	C27
130-4705	C16
130-4715	C42
130-5615	C2, 36
130-7515	C34
131-1030	C21, 44, 46
131-1520	C50

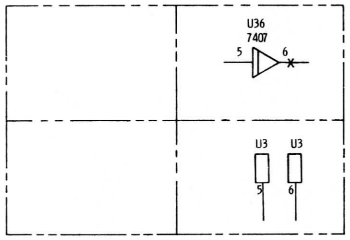
TABLE I (CONT.) ①

PART NO.	REFERENCE DESIGNATION
139-1020	C12, 20, 23, 29, 38
139-1055	C13, 17, 18, 22, 43
139-1045	C1
139-2244	C4, 6, 9, 10, 11, 24, 25, 26, 28, 30, 31, 40, 41, 47, 48, 49
139-2262	C8
139-4751	C14, 37
139-4755	C7, 32, 33, 39
139-4762	C5, 3
200-1100	Q18, 19
200-1120	Q20, 21
200-4123	Q1, 2, 3, 4, 5, 6, 11, 15
200-4125	Q8, 9, 10, 12, 13, 14, 16
200-5321	Q22
300-4002	CR3, 4, 18, 21, 22, 23
300-4446	CR1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17
330-0515	VR2
330-0685	VR5
331-0835	VR3, 4
331-1605	VR1
400-0555	U27, 29
400-0592	U25, 34
400-5558	U41
515-1015	L1, 2, 5, 6
515-2405	L3, 4
700-4107	U23, 24, 33
700-4123	U13
700-4221	U5, 18, 37
700-5452	U30
700-7400	U7, 16, 19, 38
700-7402	U10, 11, 12, 32
700-7404	U14, 15, 31
700-7406	U35
700-7407	U36
700-7410	U20
700-7414	U28
700-7416	U40
700-7419	U21
700-7438	U1, 8, 9
700-7450	U39
700-7474	U6
700-7476	U22, 26
700-8020	U17

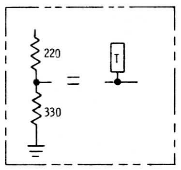
TABLE II ②

ASSEMBLY VERSION NUMBER	VERSION CHARACTERISTIC	Q7	R45		R46	R101	R102	C45	CR19	Q17
		204-3993	VALUE	PART NO.	100-2225	100-1515	100-6805	131-1030	300-4002	200-5321
600266-01	SINGLE DENSITY	OMIT	IK	100-1025	OMIT	USE	USE	USE	USE	USE
600266-02	SINGLE/DOUBLE DENSITY	USE	2.2K	100-2225	USE	USE	USE	USE	USE	USE
600266-03	SINGLE/DOUBLE DENSITY (-12/-15V)	USE	2.2K	100-2225	USE	OMIT	OMIT	OMIT	OMIT	OMIT
600266-04	SINGLE/DOUBLE DENSITY (-5V)	USE	2.2K	100-2225	USE	OMIT	OMIT	OMIT	OMIT	OMIT

TABLE III ⑩



TYPICAL



REFERENCE DESIGNATIONS

LAST USED	NOT USED	DELETED
C50	C35	
CR23	CR20	
L6		
Q22		
R116	R72	
TP17		
U41		
VR5		
W40	W35	

TABLE IV ⑫

DRIVE POSITION	INTERFACE SELECTION		
	ISLT	IHLD	IRDY
1	0 = W6	0 = W7	0 = W22
2	1 = W5	1 = W8	1 = W21
3	2 = W4	2 = W9	2 = W20
4	3 = W3	3 = W10	3 = W19

⑮ U2, U3 AND U4 ARE PART NO. 120-0001 WHEN INSTALLED.

⑭ W1 THRU W40 ARE PART NO. 100-0005. THE USAGE OF THESE JUMPERS WILL BE DETERMINED AT THE TOP ASSEMBLY LEVEL.

13. LOGIC GROUND IS DENOTED BY ⏚ SYMBOL
ANALOG GROUND IS DENOTED BY ▽ SYMBOL

⑫ THIS PCBA IS CONFIGURED TO RESPOND TO COMMANDS SELECTED FOR DRIVE POSITION NUMBER 1. TO CONFIGURE FOR OTHER POSITIONS SEE TABLE IV FOR JUMPER REQUIREMENTS.

11. SIGNALS ARE CROSS-REFERENCED BETWEEN SHEETS AND WITHIN A SHEET BY NUMBERS APPEARING UNDER THE ASSOCIATED LOGIC TERM MNEMONIC. THE FIRST NO. IS THE SHEET NO. AND THE SECOND NO. IS THE ZONE NO.

⑩ FOR SPARE LOGIC ELEMENTS, SEE TABLE III.

9. PIN 7 OF 14 PIN I.C.'s IS LOGIC GROUND.
PIN 14 OF 14 PIN I.C.'s IS +5V.
PIN 13 OF 7476 IS LOGIC GROUND.
PIN 5 OF 7476 IS +5V.
PIN 8 OF 16 PIN I.C.'s IS LOGIC GROUND
PIN 16 OF 16 PIN I.C.'s IS +5V.

8. DIODES ARE 1N4446.

7. PNP TRANSISTORS ARE 2N4125

6. NPN TRANSISTORS ARE 2N4123

5. CAPACITOR VALUES ARE IN MICROFARADS, 20%, 20V.

4. RESISTOR VALUES ARE IN OHMS, 5%, 1/4W.

③ (RESERVED).

② FOR VALUE, PART NUMBER AND USAGE OF COMPONENTS AFFECTED BY VERSION NUMBER SEE TABLE II.

① FOR PART NUMBER OF COMPONENTS NOT AFFECTED BY VERSION NO. SEE TABLE I.

NOTES UNLESS OTHERWISE SPECIFIED

ASSEMBLY NO. 600266
SPECIFICATION 600269
REFERENCE DRAWINGS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES: ANGULAR ± 1/2°
BREAK ALL SHARP CORNERS APPROX. .010
FINISH:
MATL:
NEXT ASSY | 1ST USED ON
APPLICATION

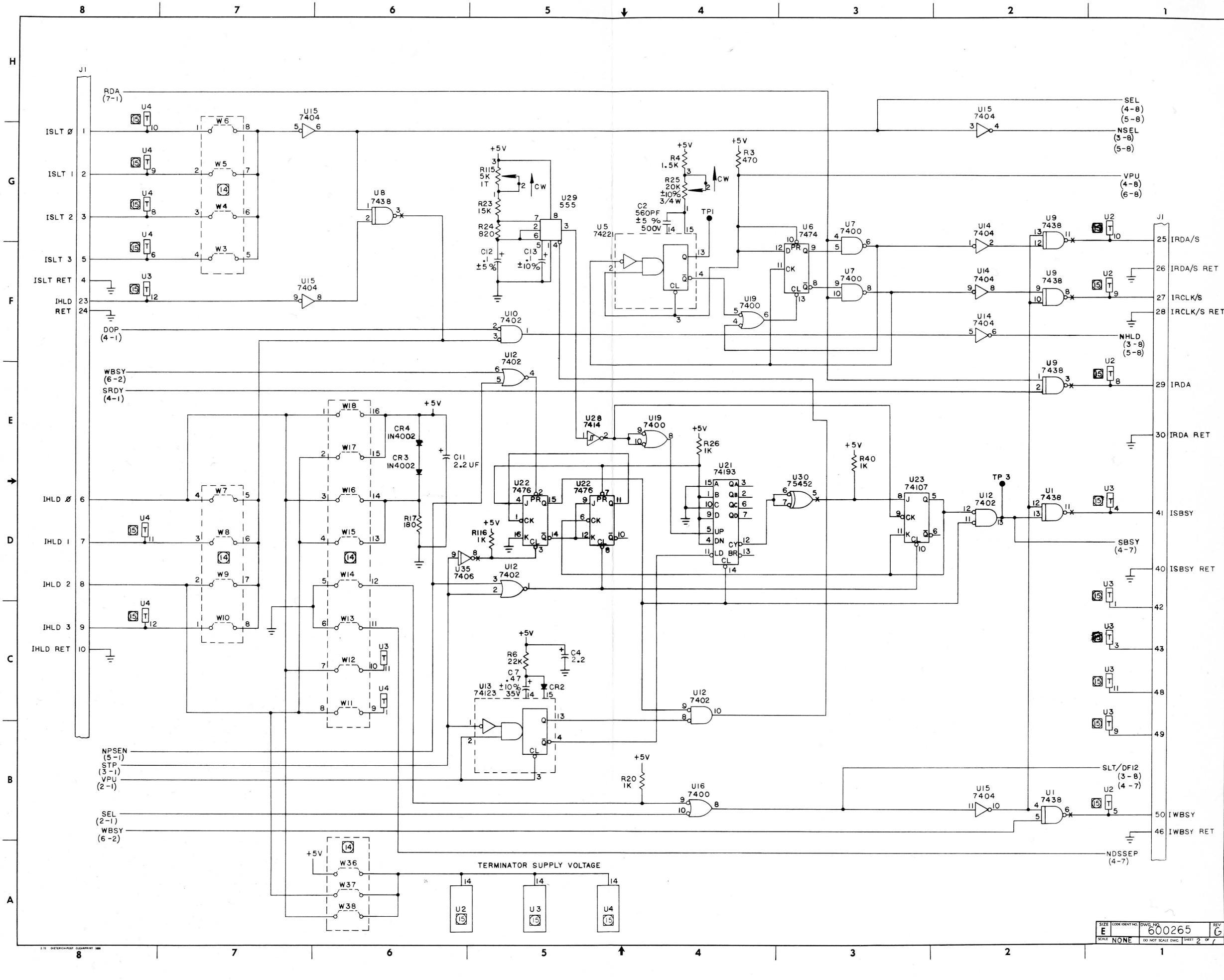
SIGNATURES	DATE
DR. M.Martinez	1/3/76
CHK [illegible]	2/19/76
DES	
ENGR	
PROJ. ENGR [illegible]	[illegible]

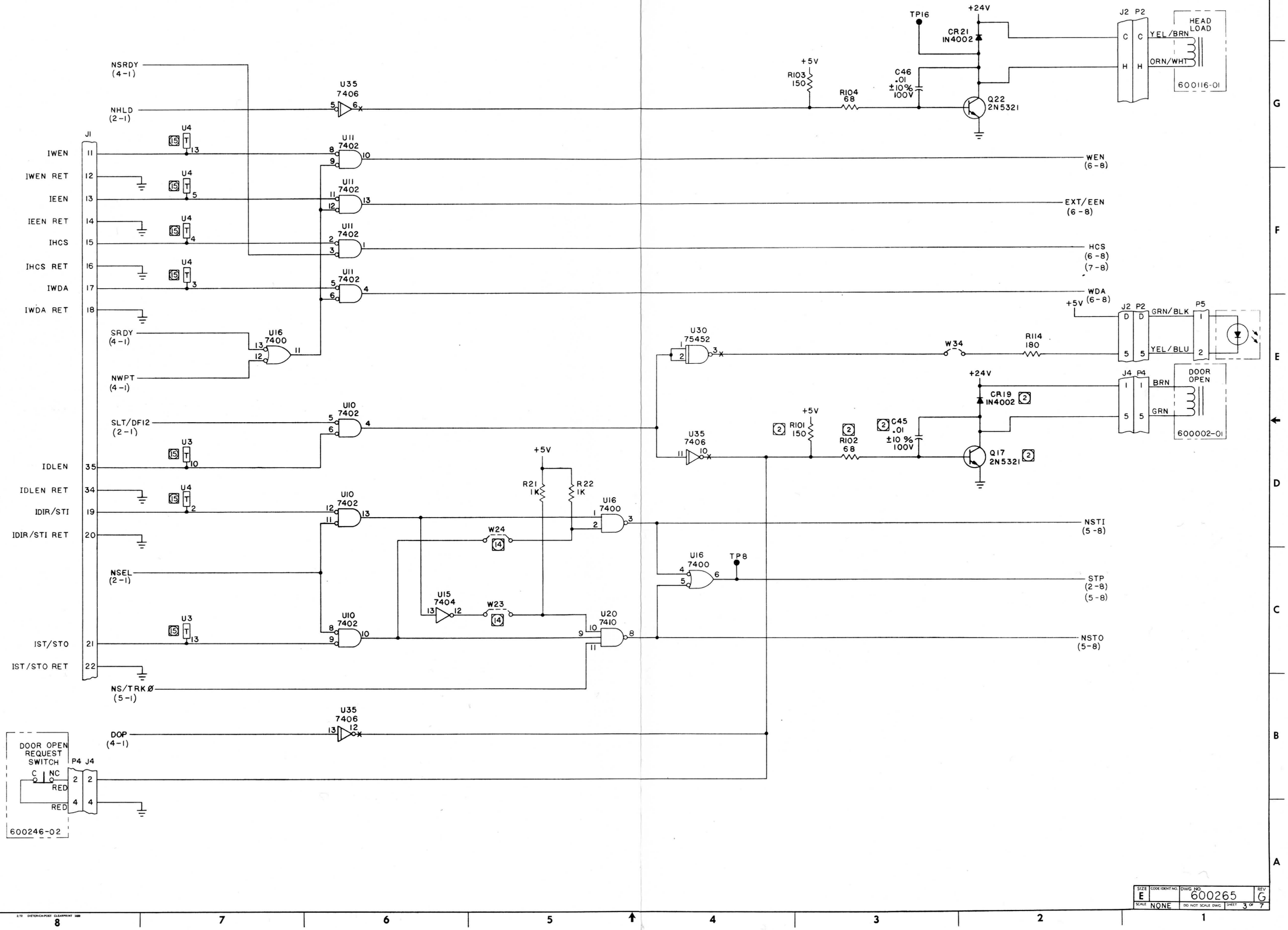
PERTEC PERIPHERAL EQUIPMENT

TITLE SCHEMATIC FD BASIC II A

SIZE E | CODE IDENT NO. | DWG NO. 600265 | REV G
SCALE NONE | DO NOT SCALE DWG | SHEET 1 OF 7

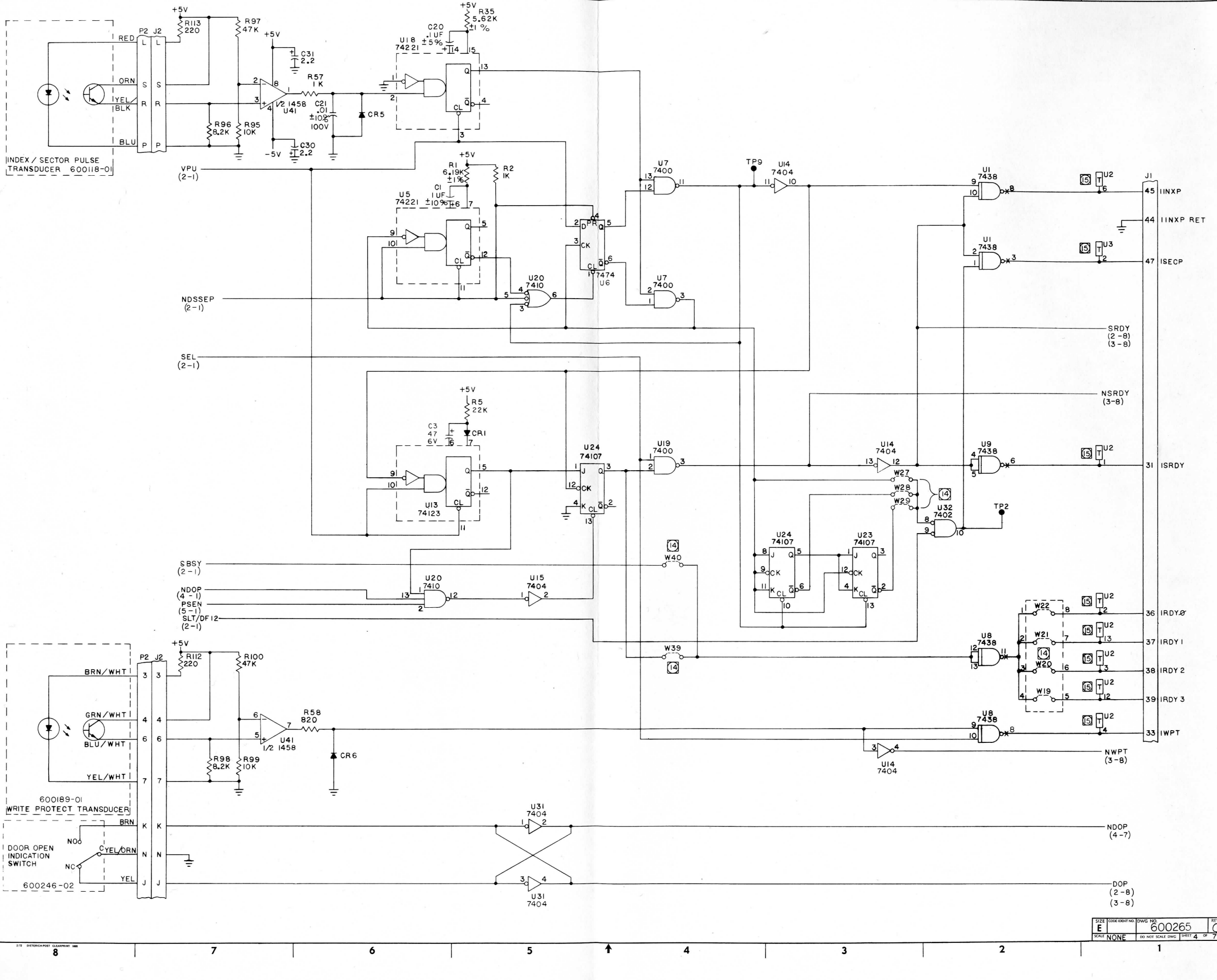
600265 G


J1
RDA (7-1)
ISLT Ø 1
ISLT 1 2
ISLT 2 3
ISLT 3 5
ISLT RET 4
IHLD 23
RET 24
DOP (4-1)
WBSY (6-2)
SRDY (4-1)
IHLD Ø 6
IHLD 1 7
IHLD 2 8
IHLD 3 9
IHLD RET 10
NPSEN (5-1)
STP (3-1)
VPU (2-1)
SEL (2-1)
WBSY (6-2)
U4
U3
U15 7404
U8 7438
U10 7402
U12 7402
U29 555
R115 5K 1T
R23 15K
R24 820
C12 .1 ±5%
C13 .1 ±10%
U5 7422
C2 560PF ±5% 500V
TP1
R4 1.5K
R25 20K ±10% 3/4W
R3 470
U6 7474
U7 7400
U19 7400
U14 7404
U9 7438
U2
SEL (4-8) (5-8)
NSEL (3-8) (5-8)
VPU (4-8) (6-8)
NHLD (3-8) (5-8)
25 IRDA/S
26 IRDA/S RET
27 IRCLK/S
28 IRCLK/S RET
29 IRDA
30 IRDA RET
W1 W2 W3 W4 W5 W6 W7 W8 W9 W10 W11 W12 W13 W14 W15 W16 W17 W18
CR4 IN4002
CR3 IN4002
C11 2.2 UF
U28 7414
U21 74193
U22 7476
R17 180
R116 1K
U35 7406
R26 1K
R40 1K
U30 75452
U23 74107
TP 3
U1 7438
41 ISBSY
SBSY (4-7)
40 ISBSY RET
42
43
48
49
R6 22K
C7 .47 ±10% 35V
C4 2.2
U13 74123
CR2
R20 1K
U16 7400
SLT/DF12 (3-8) (4-7)
50 IWBSY
46 IWBSY RET
NDSSEP (4-7)
W36 W37 W38
TERMINATOR SUPPLY VOLTAGE
SIZE E
CODE IDENT NO.
DWG NO. 600265
REV G
SCALE NONE
DO NOT SCALE DWG
SHEET 2 OF 2



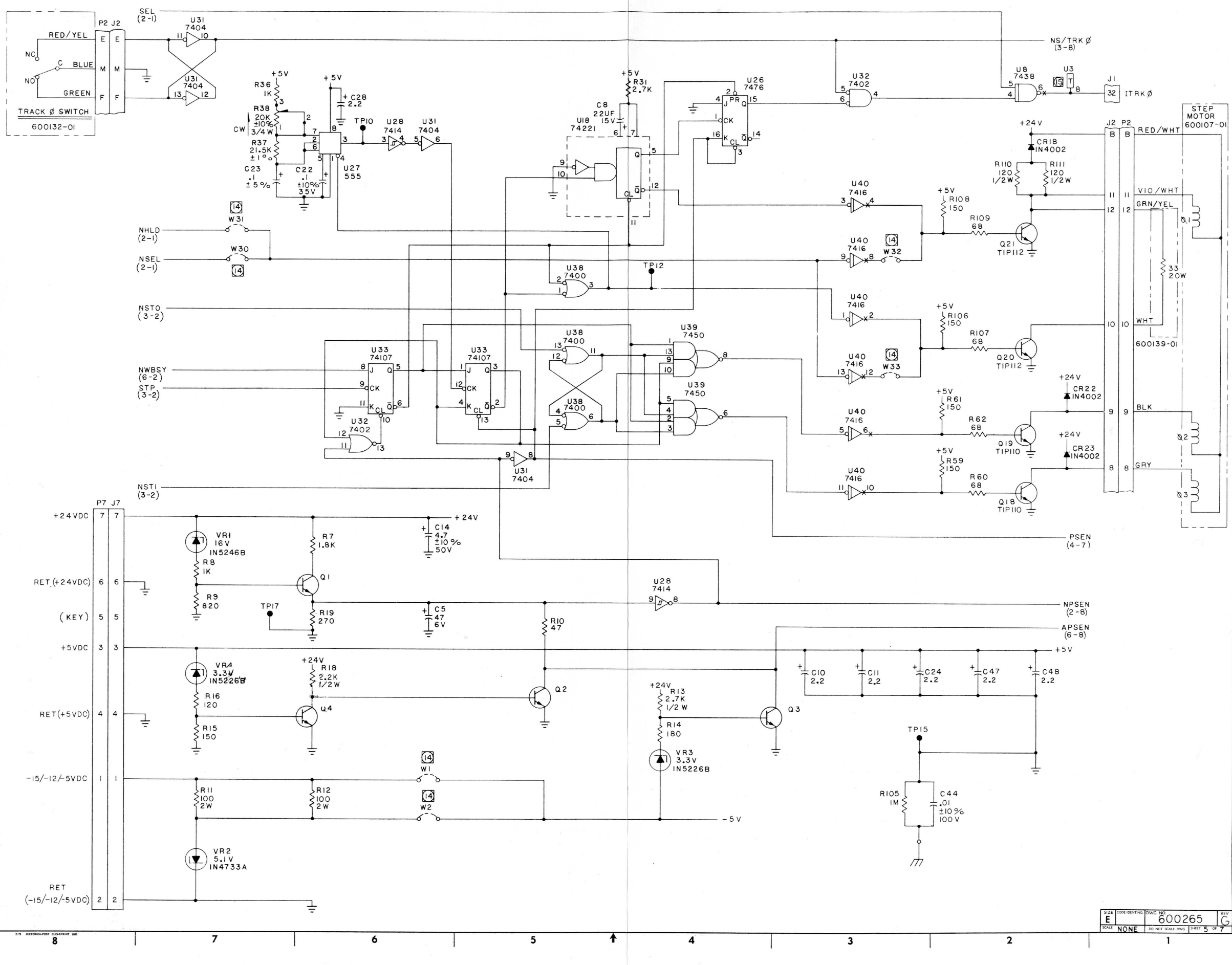
SIZE	CODE IDENT NO.	DWG NO.	REV
E		600265	G
SCALE NONE		DO NOT SCALE DWG	SHEET 3 OF 7

2/72 DIETERICH-POST CLEARPRINT 1020



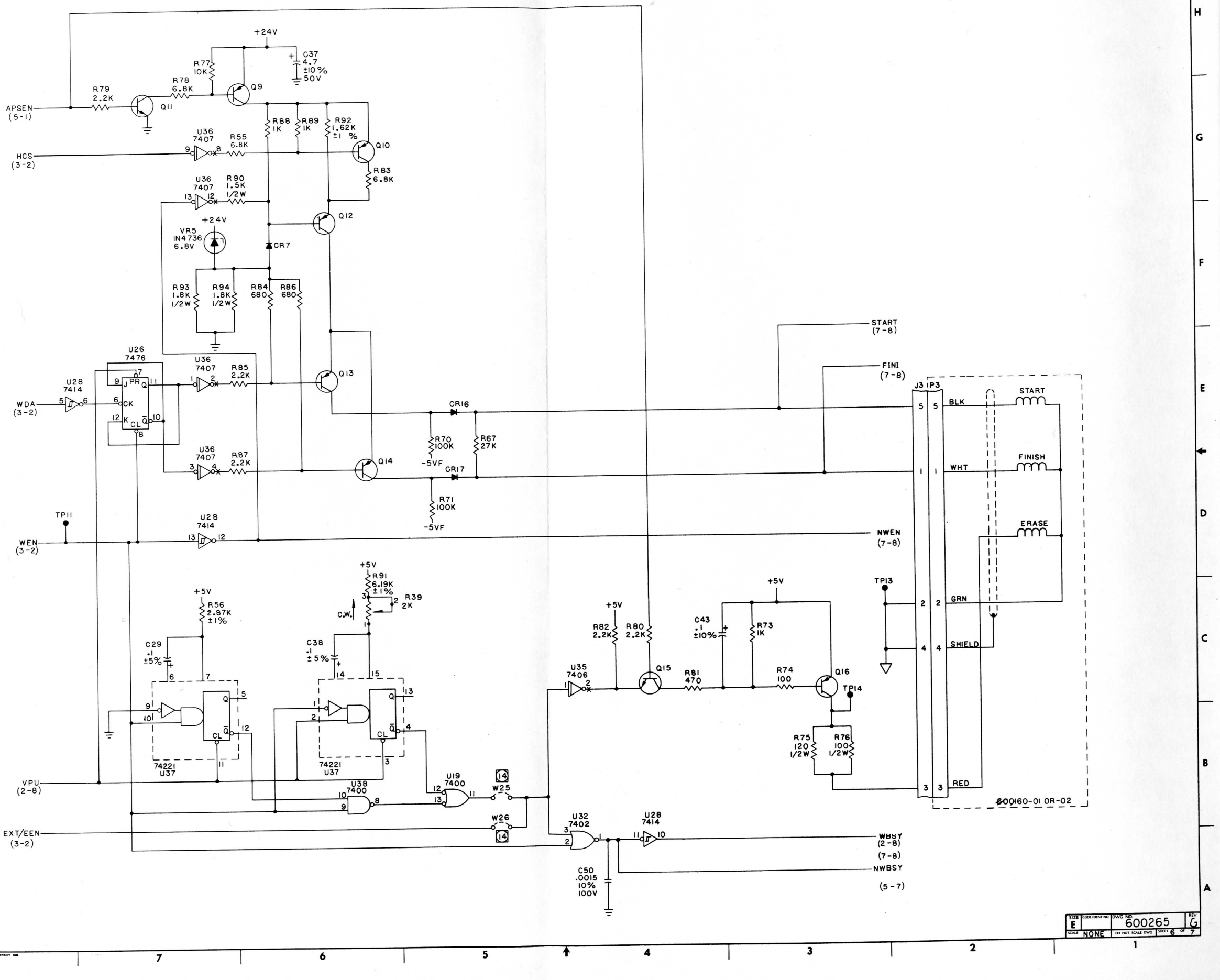
SIZE	CODE IDENT NO.	DWG NO.	REV
E		600265	G
SCALE NONE		DO NOT SCALE DWG	SHEET 4 OF 7

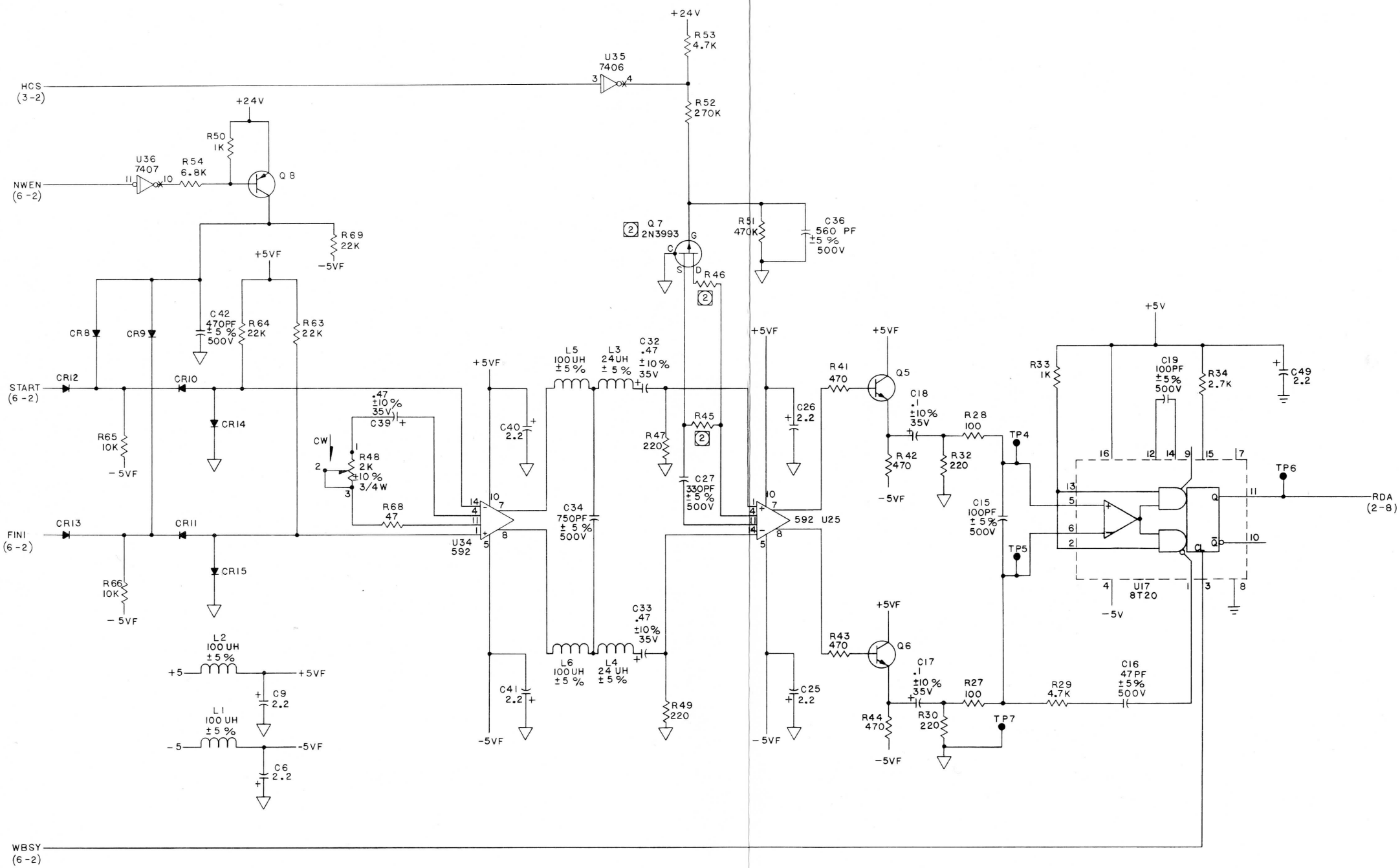
2/72 DIETERICH-POST CLEARPRINT 1000



SIZE	CODE IDENT NO.	DWG NO.	REV
E		600265	G
SCALE NONE	DO NOT SCALE DWG	SHEET 5 OF 7	

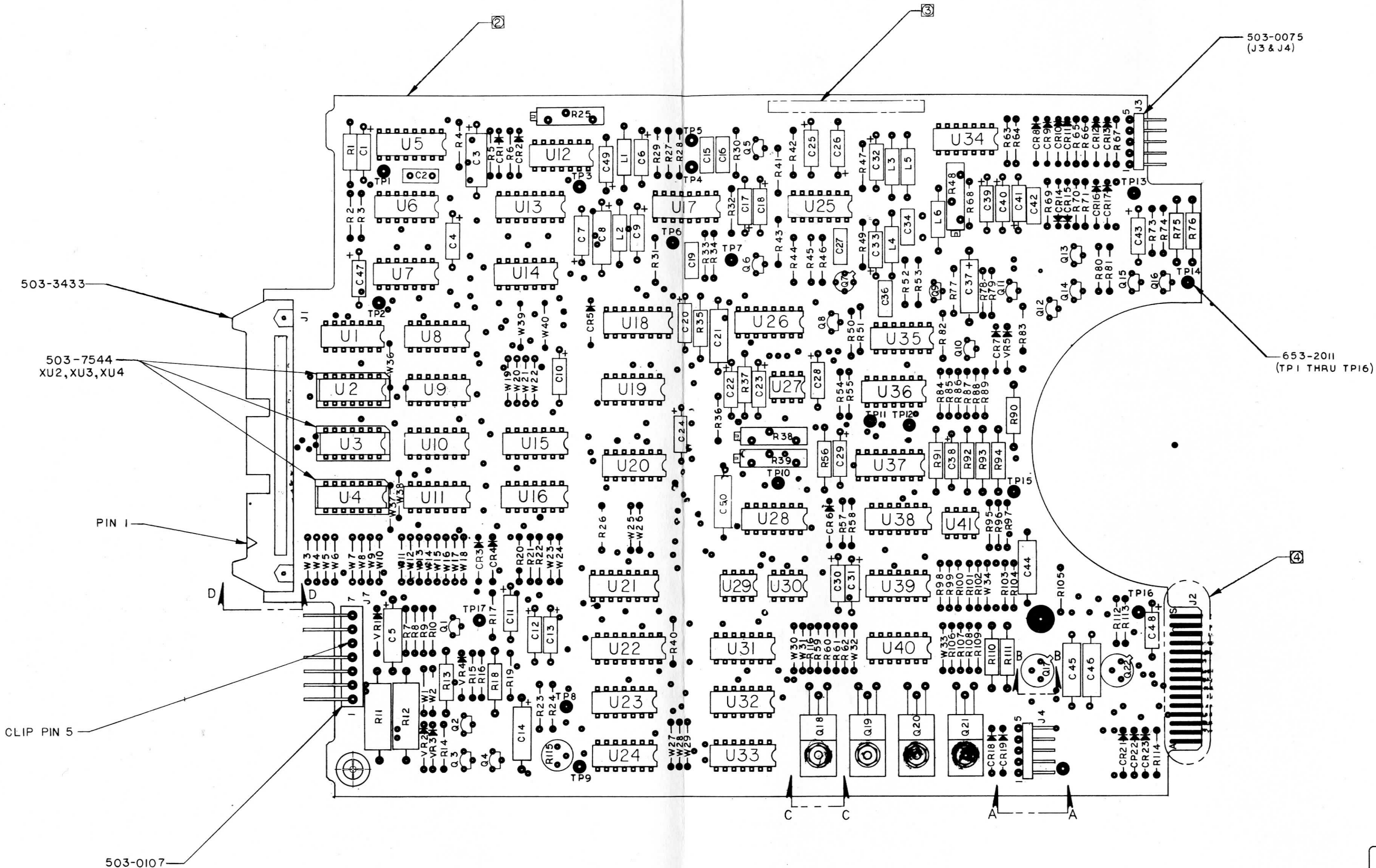
2/72 DIETERICH-POST CLEARPRINT 1000

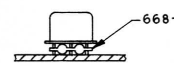

+24V
C37 4.7 ±10% 50V
R77 10K
R78 6.8K
Q9
R79 2.2K
Q11
APSEN (5-1)
R88 1K
R89 1K
R92 1.62K ±1 %
U36 7407
R55 6.8K
Q10
HCS (3-2)
R83 6.8K
U36 7407
R90 1.5K 1/2W
Q12
+24V
VR5 IN4736 6.8V
CR7
R93 1.8K 1/2W
R94 1.8K 1/2W
R84 680
R86 680
U26 7476
U28 7414
WDA (3-2)
U36 7407
R85 2.2K
Q13
U36 7407
R87 2.2K
Q14
CR16
CR17
R70 100K
R67 27K
-5VF
R71 100K
-5VF
START (7-8)
FINI (7-8)
J3 P3
BLK
START
WHT
FINISH
ERASE
GRN
SHIELD
RED
TP11
U28 7414
WEN (3-2)
NWEN (7-8)
+5V
R91 6.19K ±1%
R39 2K
C.W.
R56 2.87K ±1%
C29 .1 ±5%
C38 .1 ±5%
74221 U37
74221 U37
VPU (2-8)
U38 7400
U19 7400
W25
W26
EXT/EEN (3-2)
U35 7406
R82 2.2K
R80 2.2K
Q15
R81 470
C43 .1 ±10%
R73 1K
R74 100
Q16
TP13
TP14
R75 120 1/2W
R76 100 1/2W
U32 7402
U28 7414
WBSY (2-8) (7-8)
NWBSY (5-7)
C50 .0015 10% 100V
600160-01 OR-02
SIZE E
CODE IDENT NO.
DWG NO. 600265
REV G
SCALE NONE
DO NOT SCALE DWG
SHEET 6 OF 7



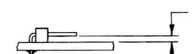
SIZE	CODE IDENT NO.	DWG NO.	REV
E		600265	G
SCALE NONE		DO NOT SCALE DWG.	SHEET 7 OF 7

REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 200 HB PRE PROD RELEASE ERN 200-HM PROD REL				
B	ECN 30482		SK		
C	ECN 30522				
D	ECN 30523		JW		
E	ECN 9106		SK		
F	ECN 9266				

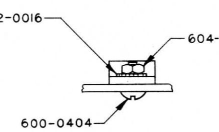




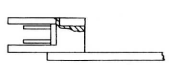
SECTION B-B
(Q17 & Q22)



VIEW A-A
(J3 & J4)



VIEW C-C
(Q18, Q19, Q20 & Q21)


VIEW D-D
2 PLCS

SCHEMATIC 600265
SPECIFICATION 600269
REF DWGS:

PART NO 600266- REV

4 MASK AREAS SHOWN DURING FLOW SOLDER OPERATION.

3 MARK PART NUMBER 600266, VERSION NUMBER AND VERSION ISSUE LETTER IN AREA SHOWN.

2 THIS ASSEMBLY SHALL BE MADE FROM PROCESS BOARD 600267-01 REV E AND SUBSEQENT.

1. ASSEMBLE PER STANDARD MANUFACTURING METHODS.

NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES: .XX ± .XXX ± X ± ANGULAR ± 1/2°
BREAK ALL SHARP CORNERS APPROX. .010
FINISH:

NEXT ASSY	1ST USED ON
APPLICATION	

SIGNATURES / DATE
DR Manuel Martinez
CHK
DES
ENGR
PROJ. ENGR

MATL: SEE/LM

PERTEC PERIPHERAL EQUIPMENT

TITLE PCBA FD BASIC II A

SIZE	CODE IDENT NO.	DWG NO.	REV
E		600266	F

SCALE 2/1 DO NOT SCALE DWG SHEET OF

600266 F