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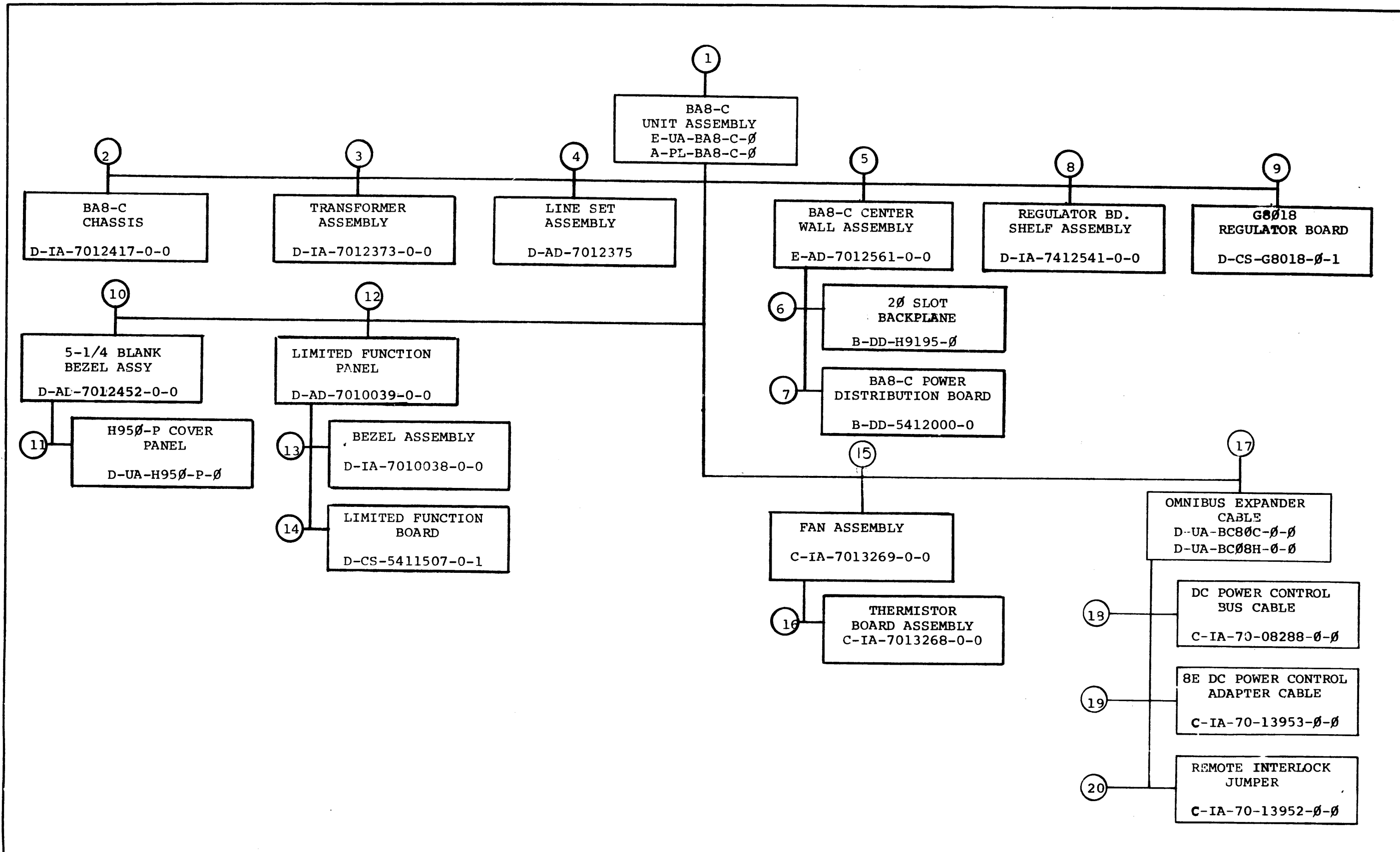
UNIT VARIATIONS

| VAR | TITLE |
|--------|------------------------------------|
| BA8-CA | 115V, 6Ø HZ (20 SLOT BOX) |
| BA8-CB | 23ØV, 5Ø HZ (20 SLOT BOX) |
| BA8-CC | 115V, 6Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CD | 23ØV, 5Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CE | 115V, 6Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CF | 23ØV, 5Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CH | 23ØV, 6Ø HZ (20 SLOT BOX) |
| BA8-CJ | 115V, 5Ø HZ (20 SLOT BOX) |
| BA8-CK | 23ØV, 6Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CL | 115V, 5Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CM | 23ØV, 6Ø HZ (20 SLOT EXPANDER BOX) |
| BA8-CN | 115V, 5Ø HZ (20 SLOT EXPANDER BOX) |
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| REVISIONS | CHANGE NO. | REV. |
|-----------|------------|------|
| | 4 | A |
| CHK | | |

| | | | |
|---|--------------------------------|--------------------|---|
| USED ON OPTION/MODEL 8A42Ø 8A62Ø 8A82Ø | DRN. D. SULLIVAN | DATE 13MAY76 | TITLE digital BA8-C UNIT ASSEMBLY |
| | CHK'D. <i>L.W. King</i> | DATE 25 Oct '76 | NUMBER BA8-C REV A |
| | PROJ. ENG. <i>L. Nadeau</i> | DATE 2 SEPT 76 | |
| | PROD. <i>R. Standa</i> | DATE 2 Sep 76 | SIZE B DD DIST. |
| SHEET 1 OF 4 | | | MP-00140-00 |

EN-01062-1A-16-R372-(225)



| TITLE | SIZE | CODE | NUMBER | REV |
|------------------------|------|------|--------|-----|
| BA8-C UNIT ASSEMBLY | B | DD | BA8-C | A |

| FIND NO. | DRAWING NO. | DESCRIPTION | TYPE | FIND NO. | DRAWING NO. | DESCRIPTION | TYPE |
|----------|------------------|---------------------------|------|----------|------------------|---------------------------------|------|
| | | | - | 5 | E-AD-7012561-0-0 | WALL, ASSEMBLY BA8-C CENTER | M/E |
| | | | - | | E-IA-7415701-0-0 | WALL, CENTER | |
| 1 | E-UA-BA8-C-Ø | BA8-C UNIT ASSEMBLY | E/M | | | | |
| | A-PL-BA8-C-Ø | BA8-C UNIT ASSEMBLY (PL) | E/M | | | | |
| | D-IA-7012374-0-0 | HARNESS, FAN | E/M | | | | |
| | D-IA-7415703-0-0 | COVER, REAR | M | | | | |
| | D-MD-7415706-0-0 | COVER, TOP | M | 6 | B-DD-H9195-Ø | BACKPLANE, 2Ø SLOT | E |
| | C-IA-7008612-0-0 | CABLE, KEYBOARD | M/E | | | | |
| | C-MD-7415702-0-0 | RAIL, CHASSIS MOUNTING | M | | | | |
| | D-MD-7416740-0-0 | COVER, HARNESS | M | | | | |
| | A-DC-7417273-0-0 | LABEL, WARNING | M | | | | |
| | | | | 7 | B-DD-5412000-0 | BOARD, BA8-C POWER DISTRIBUTION | E |
| | | | | | | | |
| | | | | 8 | D-IA-7012541-0-0 | SHELF ASSEMBLY, REG. BOARD | M |
| | | | | | E-IA-7415704-0-0 | SHELF, REG. BOARD | M |
| 2 | D-IA-7012417-0-0 | CHASSIS, BA8-C | M | | B-MD-7416407-0-0 | TAB, BAFFLE | M |
| | E-IA-7415705-0-0 | CHASSIS, SIDES & BOTTOM | M | | C-MD-7416406-0-0 | BAFFLE, AIR | M |
| | B-MD-7413499-0-0 | SPACER, CHASSIS | M | | B-MD-7416468-0-0 | BRACKET, REG. BD. SUPPORT | M |
| | B-MD-7416407-0-0 | TAB, BAFFLE | M | | | | |
| | B-MD-7416406-0-0 | BAFFLE, AIR | M | | | | |
| | B-MD-7416468-0-0 | BRACKET, REG. BD. SUPPORT | M | | | | |
| | | | | 9 | D-CS-G8Ø18-Ø-1 | REGULATOR BOARD G8Ø18 | E/M |
| | | | | | K-CO-G8Ø18-Ø-4 | X-Y COORDINATE HOLE LOCATION | E |
| | | | | | E-AH-G8Ø18-Ø-5 | ASSY/DRILLING HOLE LAYOUT | E |
| | | | | | B-MH-G8Ø18-Ø-6 | MODULE ECO HISTORY | E |
| | | | | | A-SP-G8Ø18-Ø-8 | G8Ø18 REGULATOR BOARD SPEC. | E |
| 3 | D-IA-7012373-0-0 | TRANSFORMER ASSEMBLY | E/M | | E-IA-7413241-0-0 | BRACKET, REGULATOR BOARD | M |
| | | | | | C-MD-7413208-0-0 | CLAMP, CAPACITOR | M |
| | | | | | A-CD-7413498-0-0 | DECAL | M |
| | | | | | | | |
| | | | | | | | |
| 4 | D-AD-7012375-0-0 | LINE SET ASSEMBLY | E/M | 10 | D-AD-7012452-0-0 | BEZEL ASSY, 5-1/4 BLANK | M |
| | C-IA-7411983-0-0 | PLATE, LINE SET | M | | D-IA-7415707-0-0 | BRACKET, BEZEL | M |
| | A-DC-7416202-0-0 | DECAL | M | | | | |
| | | | | | | | |
| | | | | 11 | D-UA-H95Ø-P-Ø | H95Ø-P COVER PANEL | M |
| | | | | | A-PL-H95Ø-P-Ø | H95Ø-P COVER PANEL (PL) | M |
| | | | | | | | |
| | | | | 12 | D-AD-7010039-0-0 | PANEL, LIMITED FUNCTION | E/M |
| | | | | | D-IA-7415707-0-0 | BRACKET, BEZEL | M |
| | | | | | | | |
| | | | | | | | |

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL



TITLE

BA8-C
UNIT ASSEMBLY

SHEET 3 OF 4

SIZE CODE
B DD

NUMBER
BA8-C

REV
A

EN-01062-2C-1-6-R376-(325)

| FIND NO. | DRAWING NO. | DESCRIPTION | TYPE | FIND NO. | DRAWING NO. | DESCRIPTION | TYPE |
|----------|-------------------|-----------------------------------|------|----------|-------------|-------------|------|
| 13 | D-IA-7010038-0-0 | BEZEL ASSY | M | | | | |
| | D-MD-7411692-0-0 | INLAY REWORK | M | | | | |
| | B-MD-7411744-0-0 | WINDOW | M | | | | |
| | D-MD-7411945-0-0 | FRAME | M | | | | |
| 14 | D-CS-5411507-0-1 | LIMITED FUNCTION BOARD | E | | | | |
| | K-CO-5411507-0-4 | X-Y COORDINATE HOLE LOCATION | E | | | | |
| | D-AH-5411507-0-5 | ASSY/DRILLING | E | | | | |
| | B-MH-5411507-0-6 | MODULE ECO HISTORY | E | | | | |
| 15 | C-IA-7013269-0-0 | FAN ASSEMBLY | E/M | | | | |
| 16 | C-IA-7013268-0-0 | THERMISTOR BOARD ASSEMBLY | M | | | | |
| | C-MD-7417535-0-0 | THERMISTOR BOARD | M | | | | |
| 17 | D-UA-BC80C-0-0 | HEX OMNIBUS EXPANDER CABLE | E | | | | |
| | D-UA-BC08H-0-0 | OMNIBUS EXPANDER CABLE | E | | | | |
| 18 | C-IA-70-08288-0-0 | DC POWER CONTROL BUS CABLE | E | | | | |
| 19 | C-IA-70-13953-0-0 | 8E DC POWER CONTROL ADAPTER CABLE | E | | | | |
| 20 | C-IA-70-13952-0-0 | REMOTE INTERLOCK JUMPER | E | | | | |

EN-01062-2C-16-R376-(325)

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL



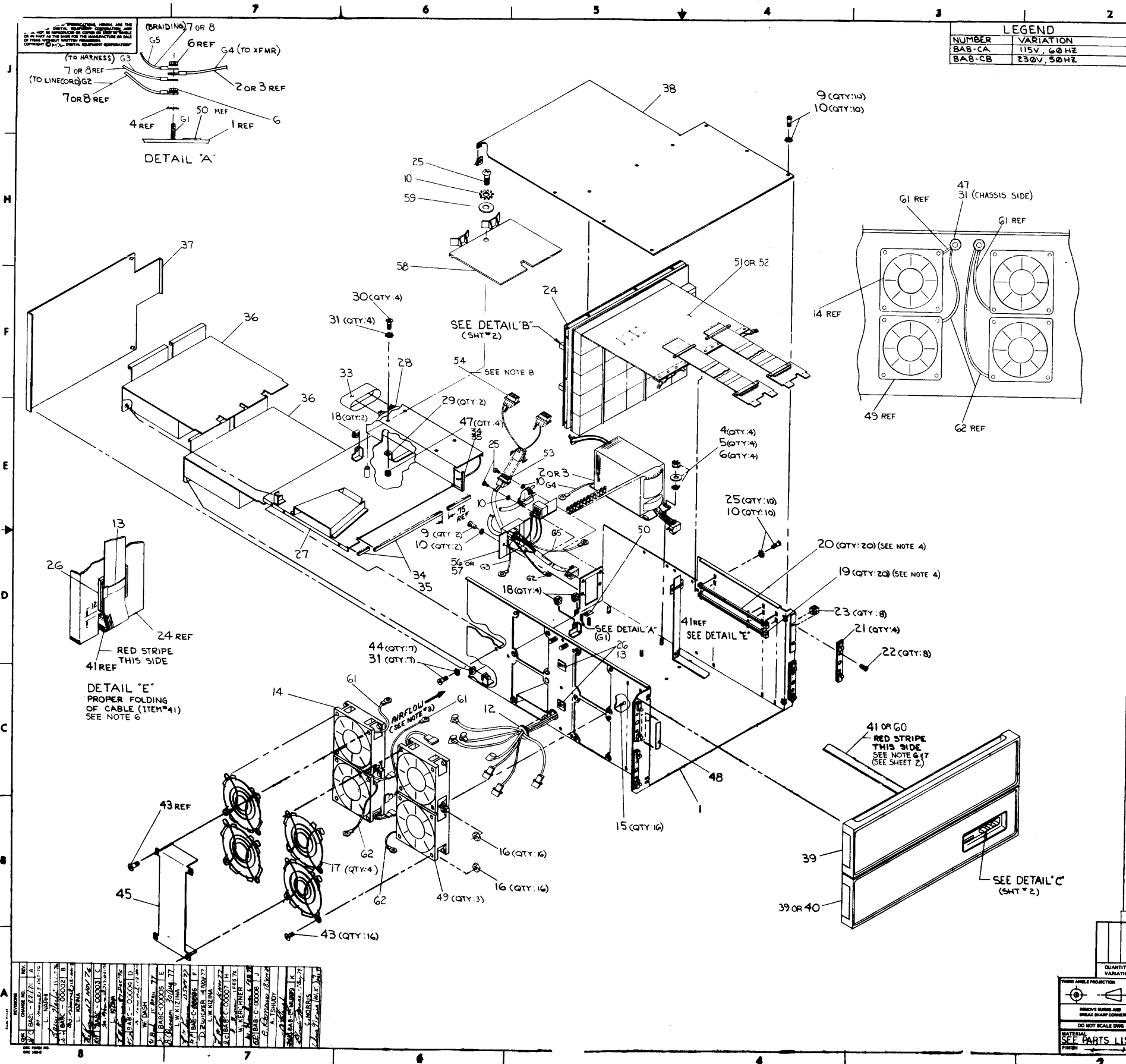
TITLE
BA8-C
UNIT ASSEMBLY

SHEET 4 OF 4

SIZE CODE
B DD

NUMBER
BA8-C

REV
A



NOTES:

1. THERMISTOR TO EXTEND APPROXIMATELY 2.5 IN INTO AIRSTREAM.
2. EXTERNAL TOOTH LOCK WASHERS (ITEM NO'S 4, 6 & 31) ARE BEING USED TO ENSURE A POSITIVE GROUND.
3. INLET AIRFLOW VOLUME IS 540 C.F.M. MAXIMUM AT SEA LEVEL.
4. CARD GUIDES (ITEM 19 & 20) IS PROVIDED FOR SLOTS 1-20. WHEN A QUAD MODULE IS USED IT WILL BE NECESSARY TO REMOVE CARD GUIDES ON LOWER LEFT SIDE.
5. INSTALL MODULES AS FOLLOWS:
 PLACEMENT OF HEX MODULE IS FROM SLOT 1 (TOP OF BACKPLANE DOWN).
 PLACEMENT OF QUAD MODULES IS FROM SLOT 20 (BOTTOM OF BACKPLANE UP).
 ON EXPANDER OPTIONS ITEM #11 IS REPLACED BY ITEM #55.
6. INSTALL ITEM #28 OVER ITEM #1 OR #2.
- 6B. POSITION 14" LENGTH OF INSULATION TO FRONT SIDE OF UNIT, 6" LENGTH NEXT TO TRANSFORMER.

ASSEMBLY INSTRUCTIONS

1. ATTACH CLIPS (ITEM #14) TO PANEL (ITEM #1).
2. ASSEMBLE FANS (ITEM #14) TO CHASSIS (ITEM #1) USING NUTS, G-32 (ITEM #4) AND PHL FLT HD SCREW G-32 X .75 LG (ITEM #5).
3. INSTALL FAN HARNESS (ITEM 12) FROM THE REVERSE OF THE CHASSIS WALL IN HOLE PROVIDED. SECURE IN PLACE WITH THE FAN HARNESS GROMMET.
- 3.2. ATTACH FAN HARNESS (ITEM 12) TO FANS (ITEM 14).
- 3.3. ASSEMBLE 1/4 TURN RECEPTACLE (ITEM 18) TO CHASSIS (ITEM 1).
4. ASSEMBLE LINE SET ASSY (ITEM 7 OR ITEM 8) USING PHL PAN HD SCREW G-32 X .75 LG (ITEM #5) AND #6 EXT TOOTH LOCK WASHER (ITEM 10).
5. ASSEMBLE XFMR ASSY (ITEM 2 OR 3) TO CHASSIS (ITEM 1) USING #10 EXT TOOTH LOCK WASHER (ITEM 4), FLAT WASHER (ITEM 5) AND 10-32 KEPT NUT (ITEM 6).
- 5.1. ATTACH G2 (GND WIRE) FROM LINE SET ASSY (ITEM 7 OR 8) AND XFMR GND (ITEM 2 OR 3) TO STUD (ITEM 1) AS SHOWN BY DETAIL A, USING (ITEMS 4, 5, 6 & 7).
- 5.2. ASSEMBLE KEYBOARD CABLE (ITEM 41) TO CENTER WALL ASSY (ITEM 24). SEE DETAIL E USING (ITEMS 13 & 14). (SEE SHT. 2 OF UA)
6. ASSEMBLE CENTER WALL ASSY (ITEM 24) USING #6 EXT TOOTH LOCK WASHER (ITEM 10) AND PHL PAN HD SCREW G-32 X .31 LG (ITEM 25).
7. ASSEMBLE CARD GUIDE (ITEM 19 AND ITEM 20) TO CHASSIS (ITEM 1); USE TOOL PROVIDED.
8. PLUG XFMR ASSY (ITEM 2 OR ITEM 3) TO CENTER WALL ASSY (ITEM 24).
9. ATTACH CABLE OF XFMR ASSY (ITEM 2 OR 3) TO CENTER WALL ASSY (ITEM 24) AT J10 TERM. STRIP.
- 9.1. ATTACH CONN FROM LINE SET ASSY (ITEM 7 OR 8) TO CENTER WALL (ITEM 24).
10. ASSEMBLE CAPACITOR (ITEM 26) TO REGULATOR BOARD SHELF ASSY (ITEM 27) USING CAPACITOR CLAMP (ITEM 29) WITH PHL TRUSS HD SCREW B-32 X .38 LG (ITEM 30), #8 EXT. TOOTH LOCK WASHER (ITEM 31) AND KEPT NUT B-32 (ITEM 47).
- 10.1. ASSEMBLE 1/4 TURN RECEPTACLE (ITEM 18) TO REG. SHELF ASSY (ITEM 27).
- 10.2. ASSEMBLE CATERPILLAR GROMMET (ITEM 34) TO REG SHELF ASSY (ITEM 27) USING PERMA BOND ADHESIVE (ITEM 35).
11. ASSEMBLE REG. SHELF ASSY (ITEM 27) TO CHASSIS (ITEM 1) USING #8 EXT TOOTH LOCK WASHER (ITEM 31) AND PHL PAN HD SCREW B-32 X .38 LG (ITEM 44).
- 11.1. ATTACH CABLE OF XFMR ASSY (ITEM 2 OR 3) TO REG. SHELF ASSY (ITEM 27) USING FLAT WASHER (ITEM 32), #8 EXT TOOTH LOCK WASHER (ITEM 31) AND PHL PAN HD SCREW B-32 X .38 LG. (ITEM 44).
- 11.2. ATTACH LEADS OF XFMR ASSY (ITEM 2 OR 3) TO CAPACITOR INSULATOR (ITEM 33). (CONTINUED ON SHEET 3)

OFFSHEET PARTS LIST REFER TO A-PL-BAB-C-0

| DESCRIPTION | QTY | UNIT | ITEM NO. |
|-------------|-----|------|----------|
| CLAMP | 1 | EA | 29 |
| INSULATOR | 1 | EA | 33 |
| ADHESIVE | 1 | EA | 35 |
| RECEPTACLE | 1 | EA | 18 |
| TRUSS SCREW | 1 | EA | 29 |
| LOCK WASHER | 1 | EA | 31 |
| KEPT NUT | 1 | EA | 47 |
| SCREW | 1 | EA | 44 |

UNIT ASSEMBLY, BAB-C

SCALE: 1" = 1" (AS SHOWN)

DATE: 10/10/60

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

PROJ. NO. 1000000000

PROD. 2

DO NOT SCALE DIMS

MATERIAL: SEE PARTS LIST

SIZE: 1000

NUMBER: UA BAB-C-0

REV: K

SHEET: 2 OF 3

MODULE ASSIGNMENT AND POWER REQUIREMENTS

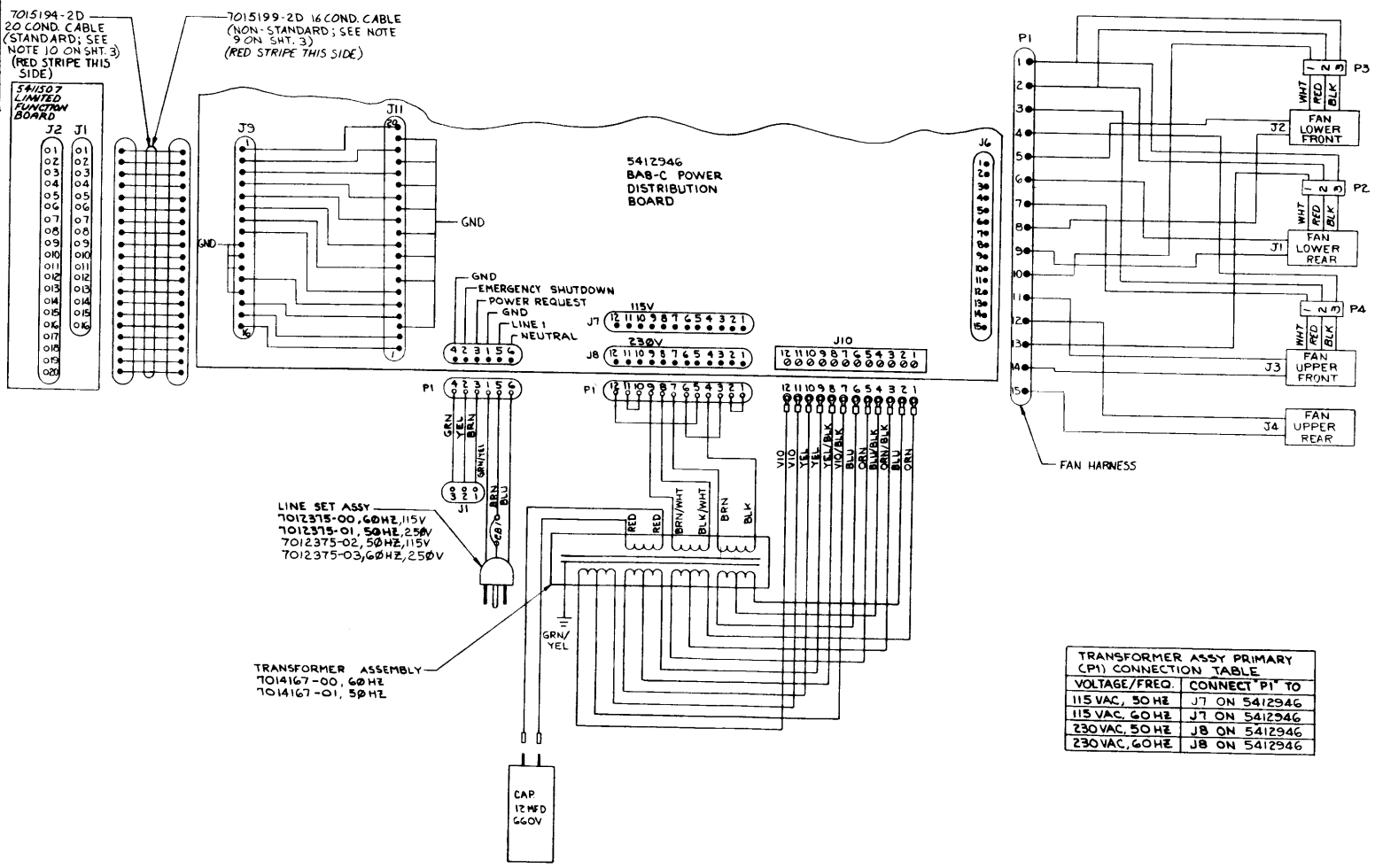
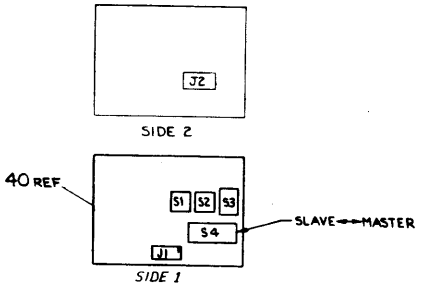
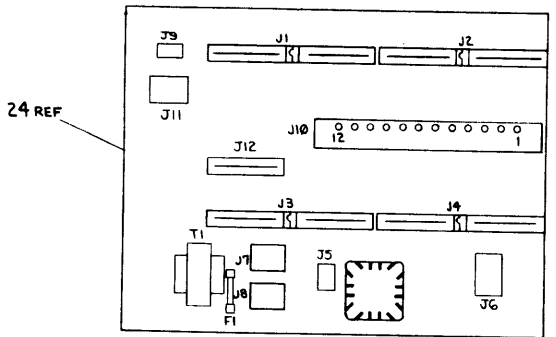
| OPTION | DESCRIPTION | BOARD SIZE | NO. SLOTS USED | ASSIGNED SLOT NO. | CURRENT | | |
|--------------|--------------------------|------------|----------------|-------------------|---------|------|------|
| | | | | | +5V | +15V | -15V |
| CMB-F | CARD RDR CONT. | QUAD | 1 | 4-20 | 55A | --- | --- |
| CRB-F | CARD RDR CONT. | --- | 1 | 4-20 | 55A | --- | --- |
| DBB-EA | INTERPROC. BUFFER | --- | 1 | 2-20 | 80A | --- | .03A |
| DKB-EC | RTC CRYSTAL | --- | 1 | 2-20 | .34A | --- | --- |
| DKB-EP | RTC PROG. | QUAD | 2 | 2-20 | 1.43A | --- | .07A |
| DKCB-A | OPTION ¹ | HEX | 1 | 2-3 | 2.0A | .06A | .1A |
| DPB-EA-EB | MODEM INTERFACE | QUAD | 2 | 2-20 | 1.80A | .05A | .11A |
| DRB-EA | DIGITAL I/O | QUAD | 1 | 2-20 | 2.25A | --- | --- |
| KAB-E | POSITIVE I/O | QUAD | 1 | 4-20 | 1.40A | --- | --- |
| KCB-AA-AB | PROG. CONSOLE | PNL. MT. | 0 | N.A. | 2.5A | --- | --- |
| KDB-E | DATA BREAK | QUAD | 1 | 4-20 | 1.2A | --- | --- |
| KGB-EA | REDUNDANCY CHECK | QUAD | 1 | 4-20 | .94A | --- | --- |
| KKB-A | C.P.U. | HEX | 1 | 1 | 5.0A | --- | .04A |
| KL8-JA | ASYNC. DATA CONT. | QUAD | 1 | 2-20 | 1.1A | .05A | .10A |
| KL8-M | MODEM CONTROL | QUAD | 1 | 2-20 | .40A | .04A | .04A |
| KMB-AA OR-AB | OPTION ² | HEX | 1 | 2-3 | 2.0A | --- | --- |
| KMB-E | MEM. EXT. f. T. S. CONT. | QUAD | 1 | 4-20 | 1.0A | --- | --- |
| LEB-XX | LP05 CONTROL | QUAD | 1 | 2-20 | .35A | --- | --- |
| LSB-F | LS01 CONTROL | QUAD | 1 | 2-20 | .40A | --- | --- |
| MMB-AA | 8K CORE, OPERATING | HEX | 2 | 4-11 | 2.5A | --- | --- |
| MMB-AA | 8K CORE, STANDBY | HEX | 2 | 4-11 | 2.5A | --- | --- |
| MMB-AB | 16K CORE, OPERATING | HEX | 2 | 4-11 | 2.5A | --- | --- |
| MMB-AB | 16K CORE, STANDBY | HEX | 2 | 4-11 | 2.5A | --- | --- |
| MRB-AA | 1K ROM | QUAD | 1 | 2-20 | 2.0A | --- | --- |
| MRB-AB | 2K ROM | --- | 1 | 2-20 | 3.0A | --- | --- |
| MRB-AC | 3K ROM | --- | 1 | 2-20 | 4.0A | --- | --- |
| MRB-AD | 4K ROM | --- | 1 | 2-20 | 5.0A | --- | --- |
| MRB-FB | 1K PROM | --- | 1 | 2-20 | 3.8A | --- | .35A |
| MSB-AA | 1K RAM | --- | 1 | 4-20 | 1.4A | --- | --- |
| MSB-AB | 2K RAM | --- | 1 | 4-20 | 2.1A | --- | --- |
| MSB-AC | 3K RAM | --- | 1 | 4-20 | 2.8A | --- | --- |
| MSB-AD | 4K RAM | --- | 1 | 4-20 | 3.5A | --- | --- |
| PCB-E, PRB-E | PC04 CONTROL | --- | 1 | 4-20 | .84A | --- | .05A |
| RXB-E | RX01 CONTROL | --- | 1 | 4-20 | 1.5A | --- | --- |
| RKB-EA | RK05 CONTROL | --- | 3 | 4-20 | 3.80A | --- | --- |
| TAB-AA | TU60 CONTROL | --- | 1 | 2-20 | 2.80A | --- | --- |
| TMB-EA-FA | TU10 CONTROL | --- | 4 | 4-20 | 4.80A | --- | --- |
| VCB-E | DISPLAY CONTROL | --- | 2 | 2-20 | .31A | --- | --- |
| VTB-E | DISPLAY CONTROL | --- | 3 | 4-20 | 3.70A | .09A | .13A |
| XVB-E | PLOTTER CONTROL | --- | 1 | 4-20 | .42A | .01A | .03A |
| KKB-E | M8300, MAJOR REG. | --- | 1 | *18 | 1.7A | --- | --- |
| | M8310, MAJOR REG. CONT. | --- | 1 | *19 | 6.0A | --- | --- |
| | M8330, TIMING GEN. | --- | 1 | *20 | 1.2A | --- | --- |
| | M8320, BUS LOAD | --- | 1 | 1 | 1.0A | 1.0A | .53A |
| ADB-A | A/D CONV. | QUAD | 1 | 4-20 | 3.25A | --- | --- |
| FPPB-A | FLOATING POINT | HEX | 2 | 4-20 | .88A | --- | --- |
| KEB-E | M8340, EAE IR | --- | 1 | *19 | 1.6A | --- | --- |
| | M8341, EAE REG. | --- | 1 | *18 | --- | --- | --- |
| KL8-A | MSLU | HEX | 1 | 4-20 | 2.5A | .09A | 425A |
| LAB-P | LA80 CONT. | QUAD | 1 | 4-20 | 1.0A | --- | --- |
| MTB-E | BOOT LOADER | QUAD | 1 | 4-20 | .75A | --- | .05A |
| RKB-L | RK05 CONT. | QUAD | 2 | 4-20 | 3.5A | --- | --- |
| TDB-E | TU56 CONT. | QUAD | 1 | 4-20 | 1.3A | --- | --- |
| VKB-A | VIDEO DISPLAY CONT. | HEX | 1 | 4-20 | 2.8A | --- | --- |

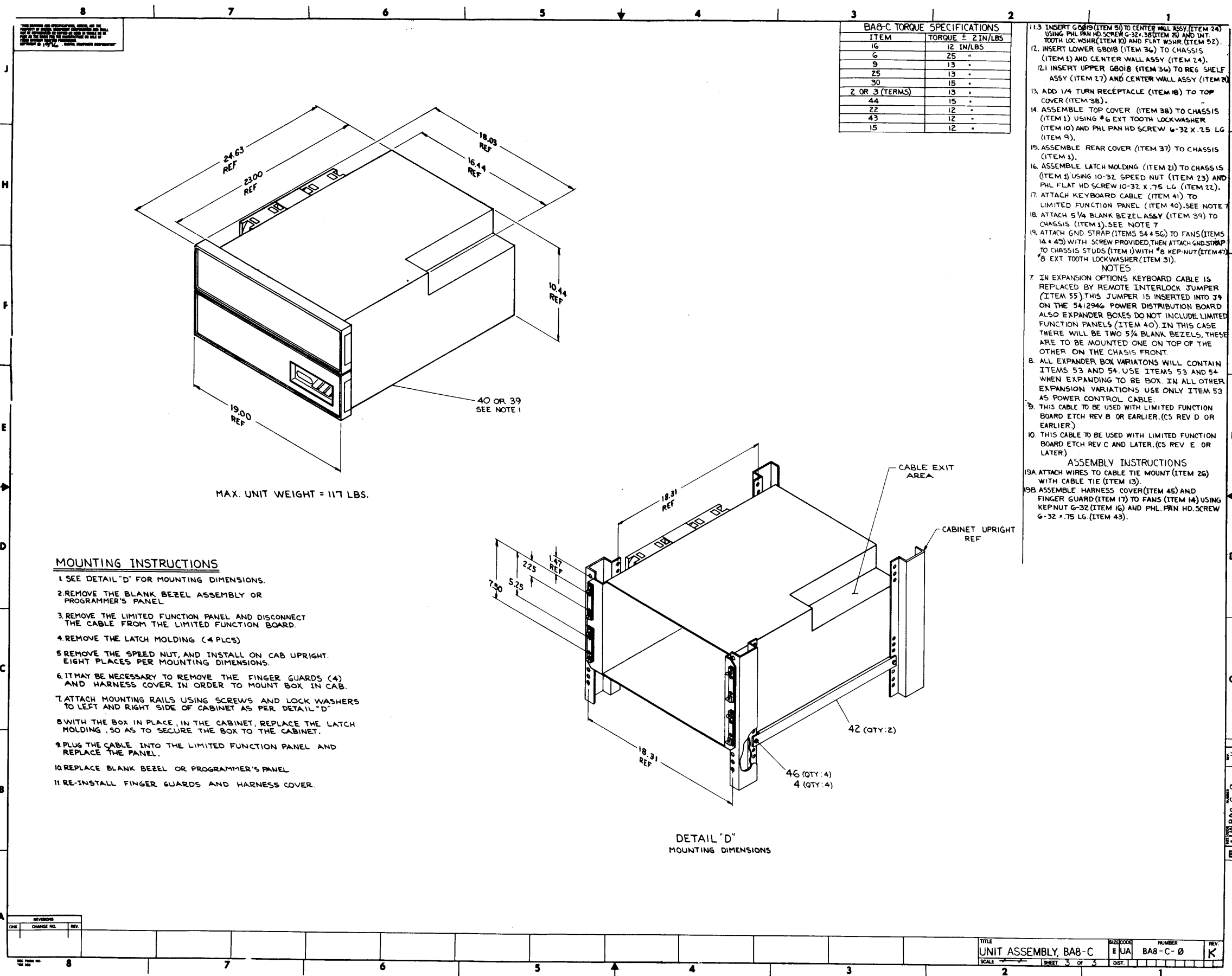
* WITH KEB-E OPTION, M8300 & M8310 MUST BE MOVED TO SLOTS 16 & 17 RESPECTIVELY. THE KEB-E OPTION PLUGS INTO SLOTS 18 & 19 (M8341 & M8340)

AVAILABLE CURRENT:

| SLOTS* I THRU 10 | | |
|------------------|----------|----------|
| +5V | -15V | +15V |
| 25A (MAX) | 2A (MAX) | 2A (MAX) |

| SLOTS* II THRU 20 | | |
|-------------------|----------|----------|
| +5V | -15V | +15V |
| 25A (MAX) | 2A (MAX) | 2A (MAX) |





| BA8-C TORQUE SPECIFICATIONS | |
|-----------------------------|-------------------|
| ITEM | TORQUE ± 2 IN/LBS |
| 16 | 12 |
| 6 | 25 |
| 9 | 13 |
| 25 | 13 |
| 30 | 15 |
| 2 OR 3 (TERMS) | 13 |
| 44 | 15 |
| 22 | 12 |
| 43 | 12 |
| 15 | 12 |

- 11.3 INSERT G8019 (ITEM 51) TO CENTER WALL ASSY (ITEM 24) USING PHL PAN HD SCREW G-32 X .38 (ITEM 25) AND INT TOOTH LOCK WSR (ITEM 10) AND FLAT WSR (ITEM 52).
 12. INSERT LOWER G8018 (ITEM 36) TO CHASSIS (ITEM 1) AND CENTER WALL ASSY (ITEM 24).
 - 12.1 INSERT UPPER G8018 (ITEM 36) TO REG SHELF ASSY (ITEM 27) AND CENTER WALL ASSY (ITEM 24).
 13. ADD 1/4 TURN RECEPTACLE (ITEM 18) TO TOP COVER (ITEM 38).
 14. ASSEMBLE TOP COVER (ITEM 38) TO CHASSIS (ITEM 1) USING #6 EXT TOOTH LOCK WASHER (ITEM 10) AND PHL PAN HD SCREW G-32 X .75 LG (ITEM 9).
 15. ASSEMBLE REAR COVER (ITEM 37) TO CHASSIS (ITEM 1).
 16. ASSEMBLE LATCH MOLDING (ITEM 21) TO CHASSIS (ITEM 1) USING 10-32 SPEED NUT (ITEM 23) AND PHL FLAT HD SCREW 10-32 X .75 LG (ITEM 22).
 17. ATTACH KEYBOARD CABLE (ITEM 41) TO LIMITED FUNCTION PANEL (ITEM 40). SEE NOTE 7.
 18. ATTACH 5/16 BLANK BEZEL ASSY (ITEM 39) TO CHASSIS (ITEM 1). SEE NOTE 7.
 19. ATTACH GND STRAP (ITEMS 54 + 56) TO FANS (ITEMS 14 + 45) WITH SCREW PROVIDED, THEN ATTACH GND STRAP TO CHASSIS STUDS (ITEM 1) WITH #8 KEP-NUT (ITEM 47) #8 EXT TOOTH LOCK WASHER (ITEM 51).
- NOTES
7. IN EXPANSION OPTIONS KEYBOARD CABLE IS REPLACED BY REMOTE INTERLOCK JUMPER (ITEM 55). THIS JUMPER IS INSERTED INTO J9 ON THE 5412946 POWER DISTRIBUTION BOARD. ALSO EXPANDER BOXES DO NOT INCLUDE LIMITED FUNCTION PANELS (ITEM 40). IN THIS CASE THERE WILL BE TWO 5/16 BLANK BEZELS, THESE ARE TO BE MOUNTED ONE ON TOP OF THE OTHER ON THE CHASSIS FRONT.
 8. ALL EXPANDER BOX VARIATIONS WILL CONTAIN ITEMS 53 AND 54. USE ITEMS 53 AND 54 WHEN EXPANDING TO BE BOX. IN ALL OTHER EXPANSION VARIATIONS USE ONLY ITEM 53 AS POWER CONTROL CABLE.
 9. THIS CABLE TO BE USED WITH LIMITED FUNCTION BOARD ETCH REV B OR EARLIER. (CS REV D OR EARLIER)
 10. THIS CABLE TO BE USED WITH LIMITED FUNCTION BOARD ETCH REV C AND LATER. (CS REV E OR LATER)
- ASSEMBLY INSTRUCTIONS
- 19A. ATTACH WIRES TO CABLE TIE MOUNT (ITEM 26) WITH CABLE TIE (ITEM 13).
 - 19B. ASSEMBLE HARNESS COVER (ITEM 45) AND FINGER GUARD (ITEM 17) TO FANS (ITEM 14) USING KEPNUT G-32 (ITEM 16) AND PHL. PAN HD. SCREW G-32 X .75 LG (ITEM 43).

MOUNTING INSTRUCTIONS

1. SEE DETAIL "D" FOR MOUNTING DIMENSIONS.
2. REMOVE THE BLANK BEZEL ASSEMBLY OR PROGRAMMER'S PANEL.
3. REMOVE THE LIMITED FUNCTION PANEL AND DISCONNECT THE CABLE FROM THE LIMITED FUNCTION BOARD.
4. REMOVE THE LATCH MOLDING (4 PLCS)
5. REMOVE THE SPEED NUT, AND INSTALL ON CAB UPRIGHT. EIGHT PLACES PER MOUNTING DIMENSIONS.
6. IT MAY BE NECESSARY TO REMOVE THE FINGER GUARDS (4) AND HARNESS COVER IN ORDER TO MOUNT BOX IN CAB.
7. ATTACH MOUNTING RAILS USING SCREWS AND LOCK WASHERS TO LEFT AND RIGHT SIDE OF CABINET AS PER DETAIL "D".
8. WITH THE BOX IN PLACE, IN THE CABINET, REPLACE THE LATCH MOLDING, SO AS TO SECURE THE BOX TO THE CABINET.
9. PLUG THE CABLE INTO THE LIMITED FUNCTION PANEL AND REPLACE THE PANEL.
10. REPLACE BLANK BEZEL OR PROGRAMMER'S PANEL.
11. RE-INSTALL FINGER GUARDS AND HARNESS COVER.

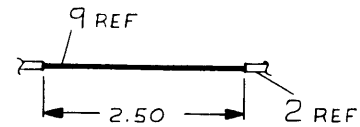
MAX. UNIT WEIGHT = 117 LBS.

DETAIL "D" MOUNTING DIMENSIONS

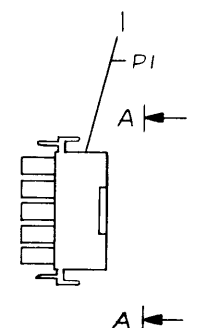
| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| WIRE TABLE | | | | | | | | | JUMPER TABLE | | | | | | | | | | |
|------------|-------------|-----|-------|-------|------------|-------|-------|------------|--------------|----------|-------------|-----|-------|-------|------------|------|-------|------------|------|
| ITEM NO. | DESCRIPTION | AWG | COLOR | POINT | CONNECTION | WITH | POINT | CONNECTION | WITH | ITEM NO. | DESCRIPTION | AWG | COLOR | POINT | CONNECTION | WITH | POINT | CONNECTION | WITH |
| B | 22 | WHT | | 14 | PI-1 | 2 | 15 | | STRIP & TIN | 9 | 22 | BLK | | PI-3 | 2 | | PI-12 | 2 | |
| B | TWP | BLK | | 13 | PI-2 | 2 | 16 | | STRIP & TIN | | | | | | | | | | |
| B | 22 | BLK | | 12 | | 2 | 23 | | STRIP & TIN | | | | | | | | | | |
| B | TWP | WHT | | 11 | PI-5 | 2 | 24 | | STRIP & TIN | | | | | | | | | | |
| B | 22 | WHT | | 10 | PI-8 | 2 | 19 | | STRIP & TIN | | | | | | | | | | |
| B | TWP | BLK | | 9 | PI-2 REF | 2 REF | 20 | | STRIP & TIN | | | | | | | | | | |
| 5 | | BLK | | 8 | PI-4 | 2 | 25 | | | | | | | | | | | | |
| 5 | | BLK | | 7 | PI-6 | 2 | 26 | J3 | | | | | | | | | | | |
| 5 | | BLK | | 6 | PI-7 | 2 | 21 | | | | | | | | | | | | |
| 5 | | BLK | | 5 | PI-10 | 2 | 22 | J2 | | | | | | | | | | | |
| 5 | | BLK | | 4 | PI-11 | 2 | 17 | J1 | | | | | | | | | | | |
| 5 | | BLK | | 3 | PI-15 | 2 | 18 | | | | | | | | | | | | |
| 5 | | BLK | | 2 | PI-13 | 2 | 27 | | | | | | | | | | | | |
| 5 | | BLK | | 1 | PI-14 | 2 | 28 | J4 | | | | | | | | | | | |

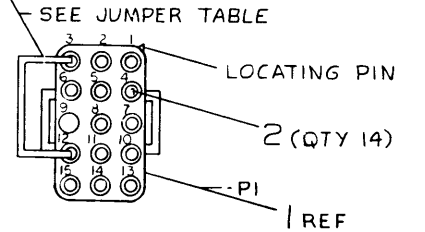
NOTES:
 1. USE CABLE TIE (ITEM #6) APPROXIMATELY EVERY THREE (3) INCHES WHEN NECESSARY AND AT EVERY BREAKOUT POINT.



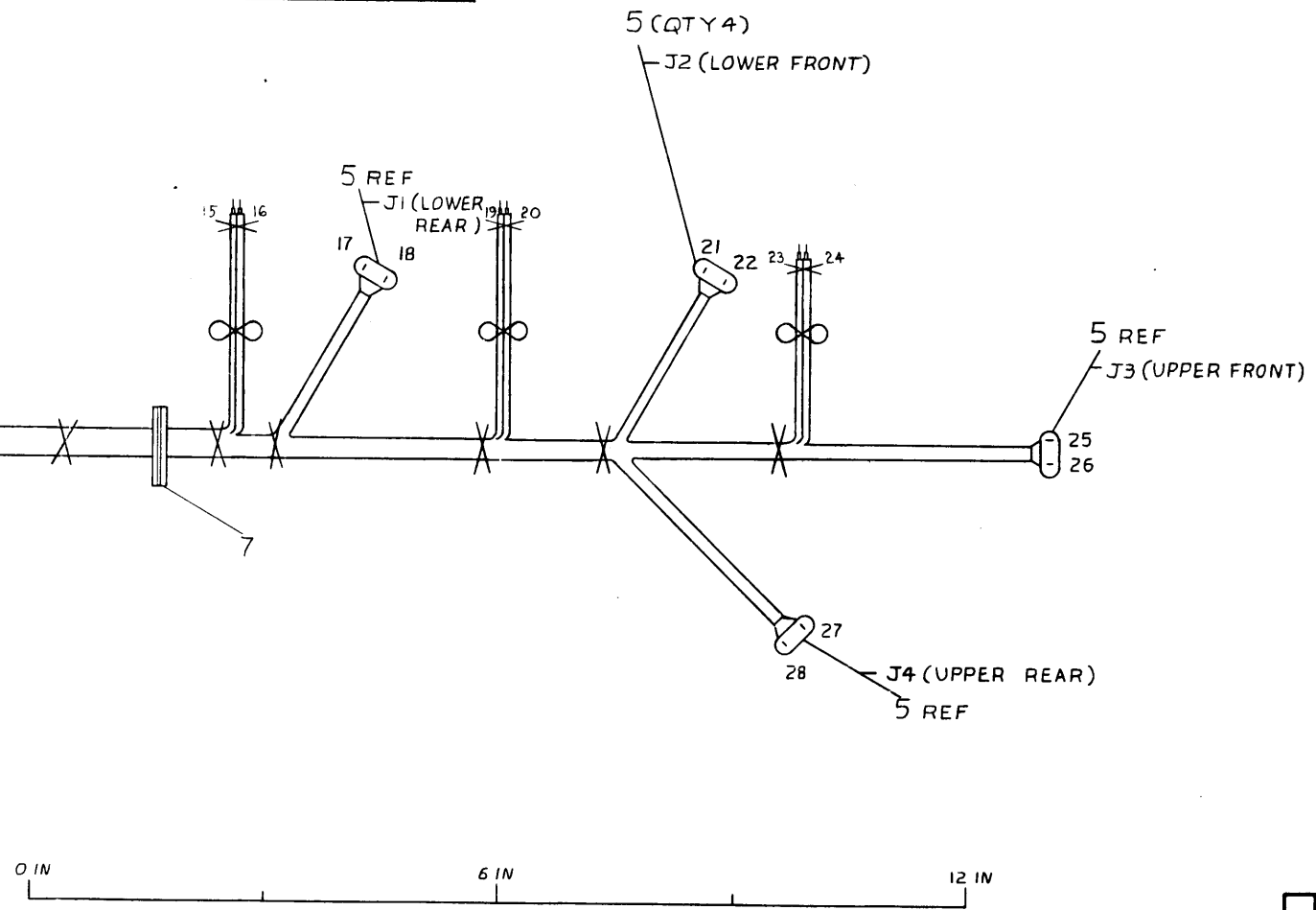
DETAIL "B"
SCALE: NONE



VIEW A-A
REAR VIEW
SCALE: NONE



VIEW A-A
FRONT VIEW
SCALE: NONE



DO NOT REDUCE
(FOR MANUFACTURING PURPOSES ONLY)

| QTY | DESCRIPTION | DWG. PART NO. | ITEM NO. |
|-----|------------------------------|---------------|----------|
| 9 | WIRE #22 AWG BLK | 9107350-00 | 9 |
| 8 | WIRE #22 AWG, TWP, BLK & WHT | 9107420-09 | 8 |
| 7 | GROMMET, RUBBER | 9008084 | 7 |
| 6 | CABLE TIE | 9007031 | 6 |
| 5 | PLUG-CORD ASSEMBLY | 1210283 | 5 |
| 4 | TUBING, 1/4 AWG, BLK | 9107298 | 4 |
| 3 | THERMISTOR | 1313149 | 3 |
| 2 | CONTACT, SOCKET, 14-20 AWG | 1212170 | 2 |
| 1 | CONNECTOR, PLUG | 1212167-05 | 1 |

| | | | |
|--------------------------------------|---------------------------|---------------|-----------------------|
| THIRD ANGLE PROJECTION | DRN Jack Mason | FIRST USED ON | BA8-C |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D Lynn H. [Signature] | TITLE | HARNESS, FAN BA8-C |
| DO NOT SCALE DWG | ENGR. [Signature] | MATERIAL | E-UA-BA8-C-0 |
| SEE PARTS LIST | PROJ. ENGR. [Signature] | SCALE | 1/1 |
| FINISH | PROD. [Signature] | SHEET | OF 1 |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

| ANGLES | CLASS-OF ACCURACY | NOMINAL DIMENSION RANGE INCHES |
|----------|-------------------|--------------------------------|
| 90° ±30' | CHECK ONE | OVER 12.0 TO 40.0 |
| | | OVER 40.0 TO 80.0 |
| | | OVER 80.0 TO 120.0 |
| | | OVER 120.0 TO 160.0 |
| | | OVER 160.0 TO 200.0 |
| | | OVER 200.0 TO 250.0 |
| | | OVER 250.0 TO 300.0 |
| | | OVER 300.0 TO 350.0 |
| | | OVER 350.0 TO 400.0 |
| | | OVER 400.0 TO 450.0 |
| | | OVER 450.0 TO 500.0 |
| | | OVER 500.0 TO 550.0 |
| | | OVER 550.0 TO 600.0 |
| | | OVER 600.0 TO 650.0 |
| | | OVER 650.0 TO 700.0 |
| | | OVER 700.0 TO 750.0 |
| | | OVER 750.0 TO 800.0 |
| | | OVER 800.0 TO 850.0 |
| | | OVER 850.0 TO 900.0 |
| | | OVER 900.0 TO 950.0 |
| | | OVER 950.0 TO 1000.0 |

QUANTITY & VARIATION

SYMBOL

REVISIONS

| REV. | CHANGE NO. | DATE | BY |
|------|------------|---------|----|
| 1 | 1 | 10/1/74 | JM |

DATE: 10/1/74

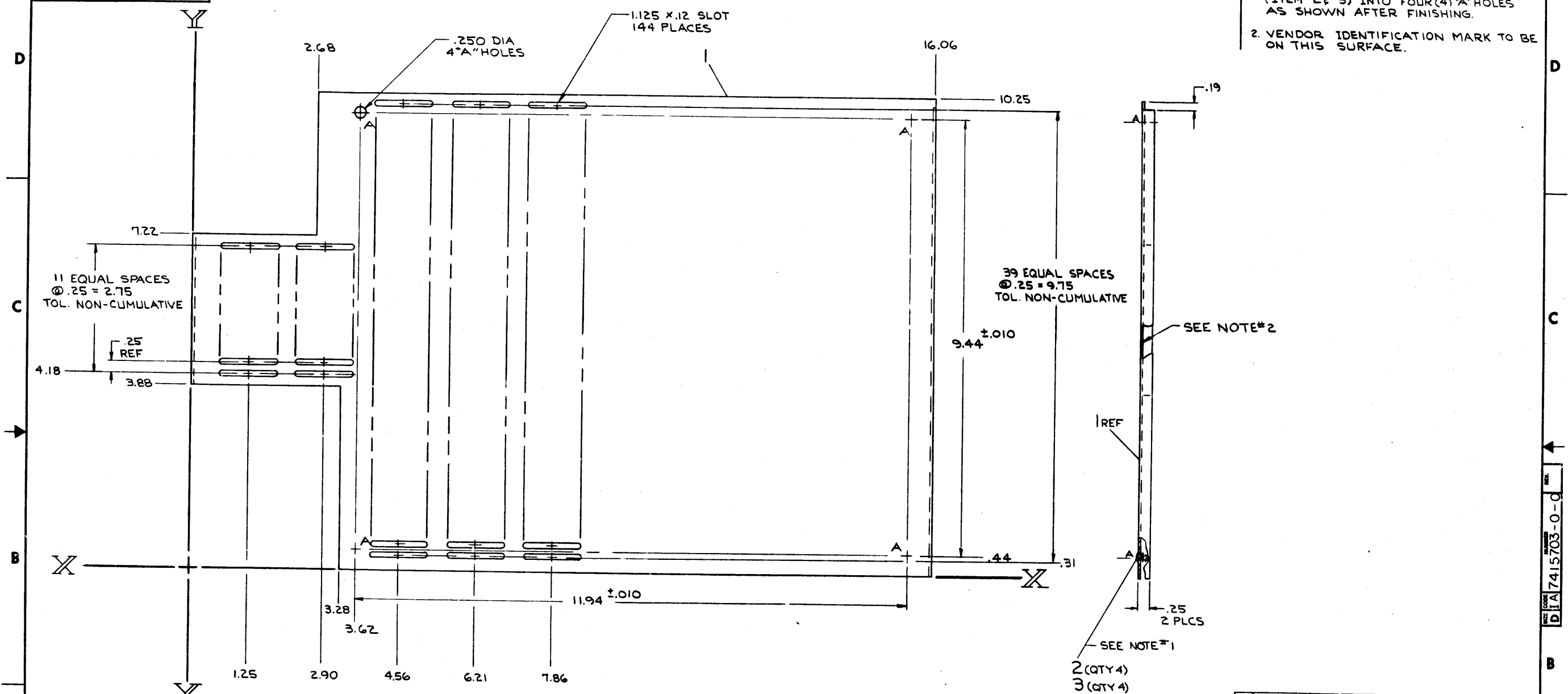
FILE NO.: 7012374-0-0

DIA 7012374-0-0

| | | | |
|-----------|------------|---------|----|
| REVISIONS | CHANGE NO. | DATE | BY |
| 1 | 1 | 10/1/74 | JM |

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- NOTES:
1. INSTALL FASTENER AND RETAINER (ITEM #2 & #3) INTO FOUR (4) "A" HOLES AS SHOWN AFTER FINISHING.
 2. VENDOR IDENTIFICATION MARK TO BE ON THIS SURFACE.



| REV. | DATE | BY | CHK | DESCRIPTION |
|------|------|----|-----|-------------|
| | | | | |

| | | | |
|---|--------------------|------------|---|
| 4 | RETAINER | 9008200-00 | 3 |
| 4 | FASTENER, 1/4 TURN | 9008343-00 | 2 |
| 1 | COVER | | 1 |

| DESCRIPTION | | DWG./PART NO. | ITEM NO. | | |
|---|-------------------------------------|--------------------------------|------------|------------|------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | |
| ANGLES 45° 30° | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | |
| | | OVER TO | OVER TO | OVER TO | OVER TO |
| SURFACE QUALITY | IN | 0.2 | 1.2 | 4.0 | 12.0 |
| | | 1.0 | 4.0 | 12.0 | 48.0 |
| MEDIUM | | ±.004 | ±.008 | ±.012 | ±.016 |
| PREFERRED | | ±.012 | ±.016 | ±.020 | ±.024 |
| MICROINCHES | | ±.012 | ±.016 | ±.020 | ±.024 |

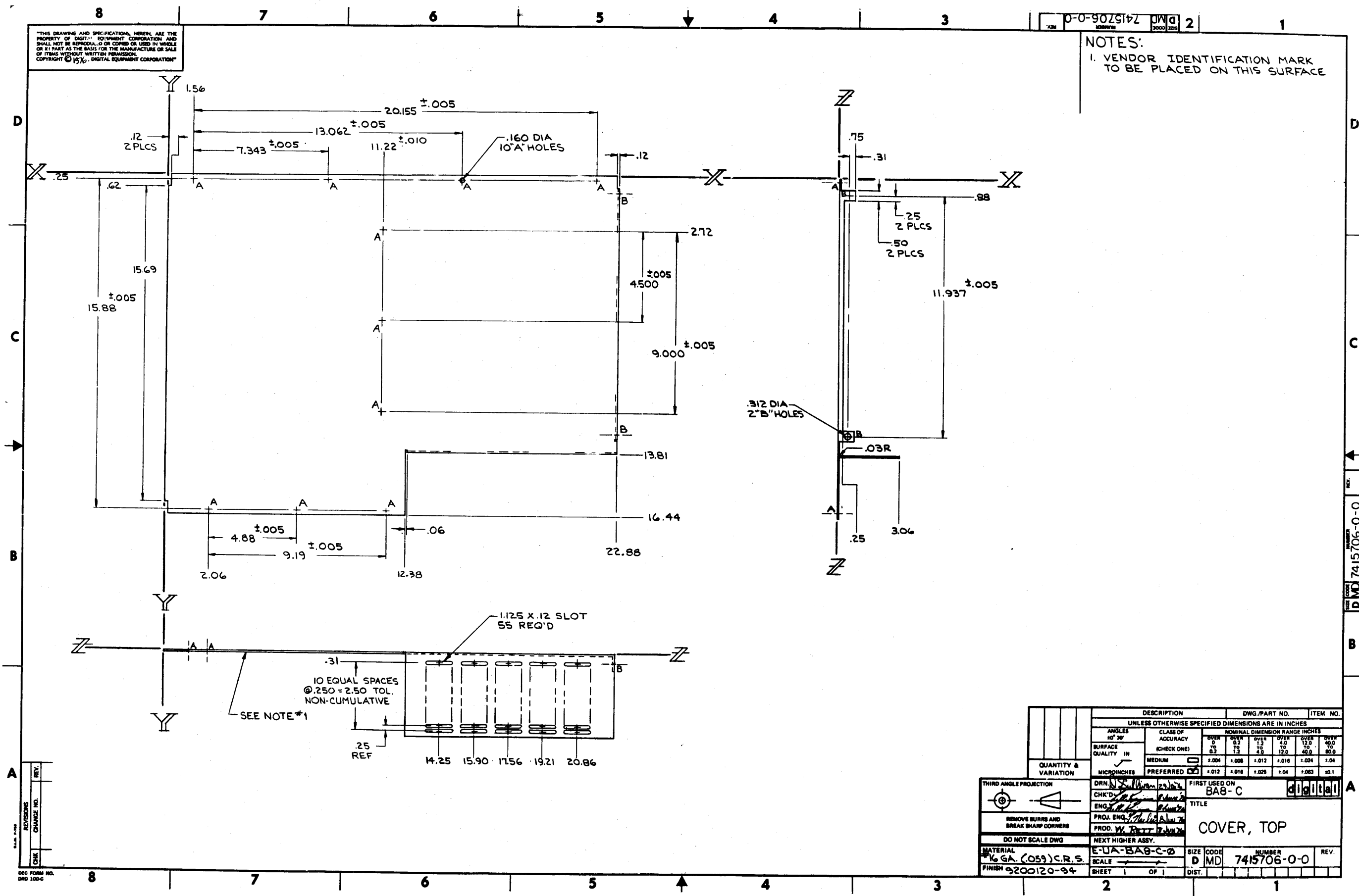
| | | |
|-------------------------------|---------------|----------------|
| DRN. <i>[Signature]</i> | FIRST USED ON | digital |
| CHK'D. <i>[Signature]</i> | B A B - C | |
| ENG. <i>[Signature]</i> | TITLE | |
| PROJ. ENG. <i>[Signature]</i> | COVER, REAR | |
| PROD. W. <i>[Signature]</i> | | |

| | | | | |
|----------|-------------|-----------|------------------|------|
| MATERIAL | EUA-BAB-C-O | SIZE CODE | NUMBER | REV. |
| FINISH | 9200120-94 | SCALE | D 1A 7415703-0-0 | |
| SHEET | 2 | OF | 1 | |

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0-0-9025172 DMD 7415706-0-0 2

NOTES:
1. VENDOR IDENTIFICATION MARK TO BE PLACED ON THIS SURFACE



REV. 1 DMD 7415706-0-0

| DESCRIPTION | | DWG. PART NO. | ITEM NO. |
|---|----------------------|--------------------------------|------------------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | |
| ANGLES 45° 30° | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES | |
| SURFACE QUALITY IN | (CHECK ONE) | OVER 0 | OVER 0.3 |
| | | OVER 1.2 | OVER 4.0 |
| | | OVER 10 | OVER 40.0 |
| | | OVER 12.0 | OVER 80.0 |
| QUANTITY & VARIATION | | MEDIUM | ±.004 ±.008 ±.012 ±.016 ±.024 ±.04 |
| THIRD ANGLE PROJECTION | | PREFERRED | ±.012 ±.018 ±.026 ±.04 ±.063 ±0.1 |
| REMOVE BURRS AND BREAK SHARP CORNERS | DO NOT SCALE DWG | NEXT HIGHER ASSY. | |
| MATERIAL | | FIRST USED ON | |
| 1/4 GA. (.059) C.R.S. | | BAB-C | |
| FINISH 9200120-94 | | TITLE | |
| | | COVER, TOP | |
| SCALE | | SIZE CODE | |
| SHEET 1 OF 1 | | D MD 7415706-0-0 | |
| | | NUMBER | |
| | | REV. | |

| REV. | CHANGE NO. |
|------|------------|
| | |
| | |

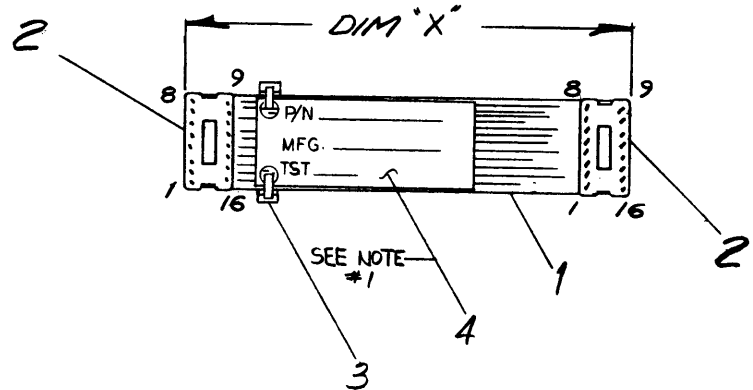
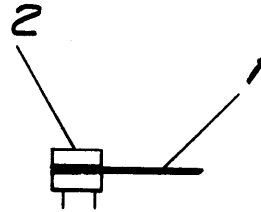
DEC FORM NO. DRD 100-C

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| LEGEND | |
|-----------------------|---------------------|
| NUMBER | VARIATION |
| 7008612-ØD | DIM "X" |
| 7008612-ØD | Ø IN |
| 7008612-1B | 14 IN. |
| 7008612-1F | 18 IN. |
| 7008612-Ø3 | 3 FT. |
| 7008612-ØF | 6 IN. |
| 7008612-ØK | 9 IN. ± 1 IN. |
| 7008612-4A | 49 IN. ± 1 IN. |
| 7008612-ØM | 11 IN. |
| 7008612-Ø2 | 2 FT. ± 1 IN. |
| 7008612-6A | 6 FT. 1 IN. ± 2 IN. |
| 7008612-10 | 10 FT. ± 2 IN. |
| 7008612-1J | 20 IN. |
| 7008612-2D | 2 FT. 4 IN. ± 1 IN. |
| 7008612-1D | 16 IN. |

NOTES:

1. PLACE LABEL, ITEM 4 AT ANY POSITION ALONG CABLE AS SHOWN.



| REV. | CHG. NO. | REV. | DATE | BY | DESCRIPTION |
|------|---------------|------|-------------|----------------|-------------|
| A | LK40-00001 | A | 8-2-72 | R. MARTEL | REVISED |
| B | GT40-00001 | B | 6-8-72 | CARLSON | REVISED |
| C | 7008612-00001 | C | 10-18-72 | CRABBE | REVISED |
| D | 7008612-00002 | D | 6-17-74 | J. KALAGHER | REVISED |
| E | 7008612-00003 | E | 9-26-74 | J. KALAGHER | REVISED |
| F | LA36-00111 | F | 2-4-76 | D. MUTNANSKY | REVISED |
| G | 7008612-00006 | G | 2-4-76 | R. CAMELIO | REVISED |
| H | 7008612-00004 | H | 16-FEB-76 | J. BIRO | REVISED |
| I | 7008612-00007 | I | 20-FEB-76 | J. BIRO | REVISED |
| J | 7008612-00005 | J | 25 April 77 | D. BENNETT | REVISED |
| K | 7008612-00008 | K | 5/4/77 | D. BENNETT | REVISED |
| L | 7008612-00008 | L | 20 July 77 | D. CHAMBERLAIN | REVISED |
| M | 7008612-00008 | M | 20 July 77 | D. CHAMBERLAIN | REVISED |

| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|-------------------------------|------------|----------|
| 1 | LABEL, IDENTIFICATION | 9009532-00 | 4 |
| 1 | TIE, CABLE | 9007031-00 | 3 |
| 2 | SOCKET 16 CONTACTS | 1216782 | 2 |
| 1 | AIR CABLE 28 AWG STED 16 COND | 2107735 | 1 |

| DATE | BY | DESCRIPTION |
|----------|-----------|-------------|
| 10-1-71 | R. MARTEL | DESIGNED |
| 10-9-71 | R. MARTEL | CHK'D |
| 10-14-71 | R. MARTEL | ENG. |
| 10-14-71 | R. MARTEL | PROJ. ENG. |
| 10-14-71 | R. MARTEL | PROD. |

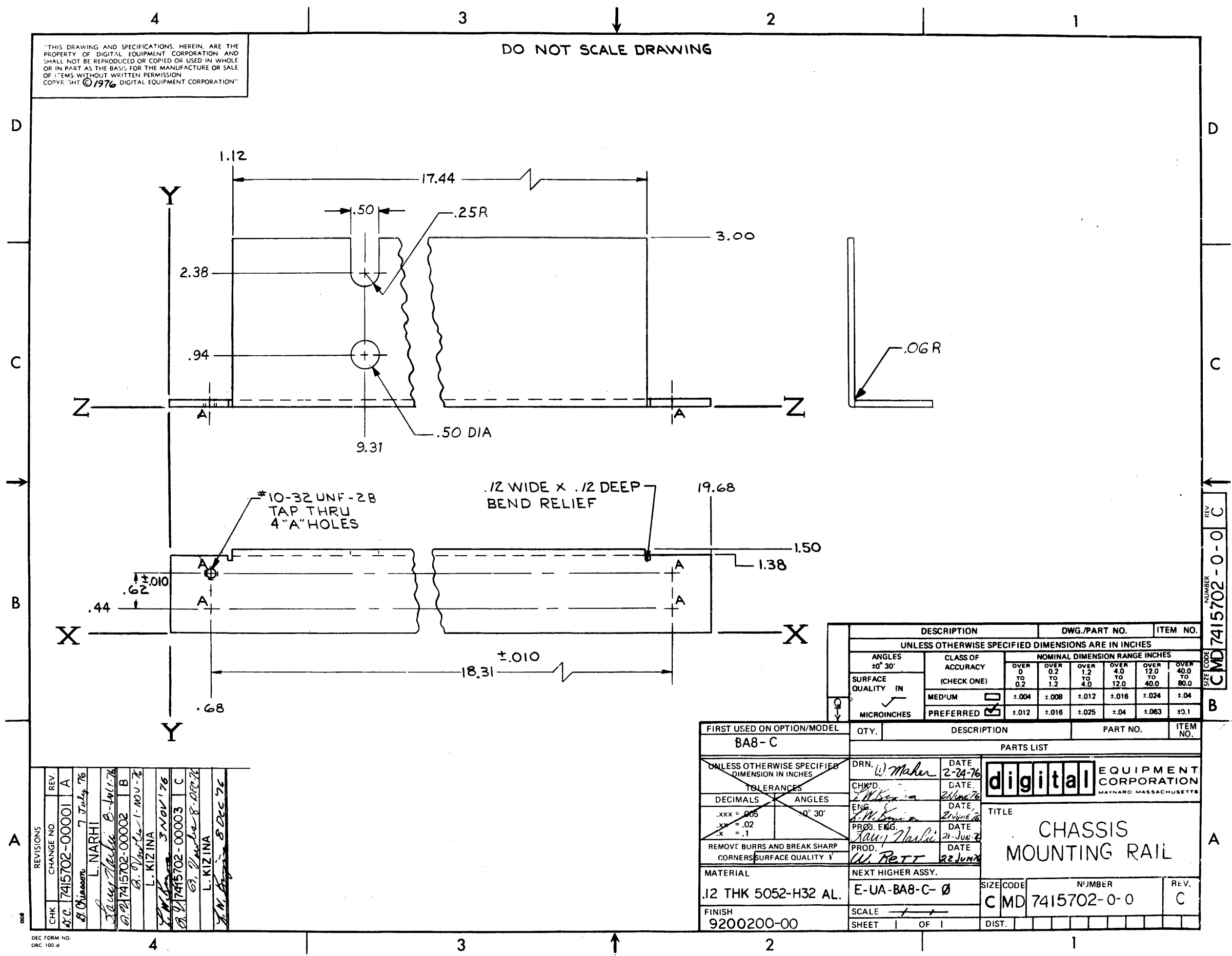
| | | |
|--|--|--------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES | DECIMALS XXX = .005 XX = .02 X = .1 | ANGLES ± 0° 30' |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓ | MATERIAL: — | FINISH: — |

| | |
|--|--------------------------|
| digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS | TITLE CABLE, KEYBOARD |
| SIZE CODE C IA | NUMBER 7008612-0-0 |
| REV R | |

REV. NUMBER 7008612-0-0 R

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 COPYR. © 1976 DIGITAL EQUIPMENT CORPORATION"

DO NOT SCALE DRAWING



| REV. | CHANGE NO. | DATE | BY | CHKD. |
|------|------------|-----------|-----------|-------|
| A | 00001 | 7 July 76 | L. NARHI | |
| B | 00002 | 11 Jul 76 | L. NARHI | |
| C | 00003 | 3 NOV 76 | L. KIZINA | |
| | | 8 DEC 76 | L. KIZINA | |

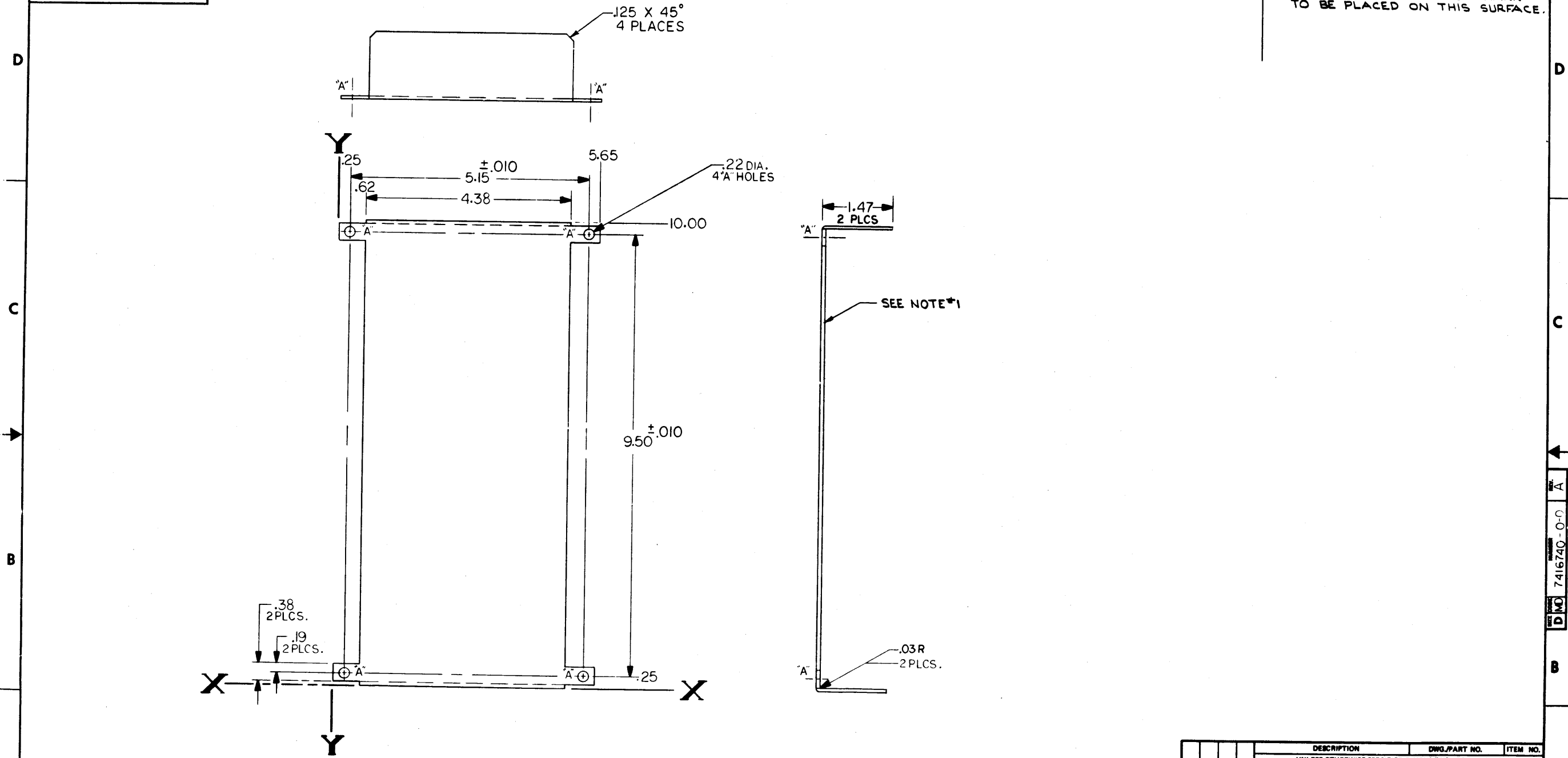
| FIRST USED ON OPTION/MODEL | | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|--|--------|---|-------------|-----------|----------|
| BA8-C | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES | | | | | |
| TOLERANCES | | PARTS LIST | | | |
| DECIMALS | ANGLES | TITLE | | | |
| .xxx = .005 | ° 30' | digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS | | | |
| .xx = .02 | | CHASSIS MOUNTING RAIL | | | |
| .x = .1 | | DRN. W. Maher DATE 2-24-76 | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y | | CHKD. W. Maher DATE 2/24/76 | | | |
| | | ENG. W. Maher DATE 2/24/76 | | | |
| | | PROD. ENG. W. Maher DATE 21 JUN 76 | | | |
| | | PROD. W. Pett DATE 22 JUN 76 | | | |
| MATERIAL | | NEXT HIGHER ASSY. | | SIZE CODE | |
| .12 THK 5052-H32 AL. | | E-UA-BA8-C-Ø | | NUMBER | |
| FINISH | | SCALE | | REV. | |
| 9200200-00 | | SHEET 1 OF 1 | | C | |
| | | DIST. | | C | |

SIZE CODE NUMBER REV
 CMD 7415702-0-0 C

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7416740-0-0 DMD 2

NOTES:
1. VENDOR IDENTIFICATION MARK TO BE PLACED ON THIS SURFACE.



| REV. | CHANGE NO. | DATE | BY | CHK |
|------|-------------|---------|---------------|-----|
| 1 | 16740-00001 | 2-9-77 | L.W. KIZILINA | |
| 2 | | 5-16-77 | | |

| DESCRIPTION | | DWG. PART NO. | ITEM NO. |
|---|-------------------------------|--------------------------------|-------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | |
| ANGLES 30° 30' | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES | |
| SURFACE QUALITY IN MICRONS | (CHECK ONE) | OVER 0 TO 0.25 | OVER 0.25 TO 0.50 |
| | | OVER 0.50 TO 1.00 | OVER 1.00 TO 2.00 |
| QUANTITY & VARIATION | MEDIUM | 1.004 | 1.008 |
| | PREFERRED | 1.012 | 1.016 |
| | | 1.020 | 1.024 |
| | | 1.028 | 1.032 |
| | | 1.036 | 1.040 |
| | | 1.044 | 1.048 |
| | | 1.052 | 1.056 |
| THIRD ANGLE PROJECTION | DRN. <i>[Signature]</i> | FIRST USED ON | BA8-C |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D <i>[Signature]</i> | TITLE | HARNES COVER |
| DO NOT SCALE DWG | PROJ. ENG. <i>[Signature]</i> | | |
| | PROD. <i>[Signature]</i> | | |
| MATERIAL | E-UA-BA8-C-0 | SIZE | CODE |
| FINISH | 92C0120-94 | D | M0 |
| | | 7416740-0-0 | REV. A |
| | | | |

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WARNING

This unit is not mounted on slides. Use extreme care when removing from cabinet.

| | | |
|-----------|------------|------|
| REVISIONS | CHANGE NO. | REV. |
| | CHK | |

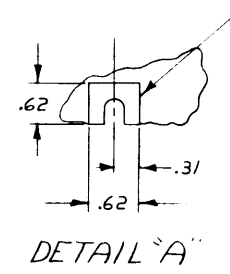
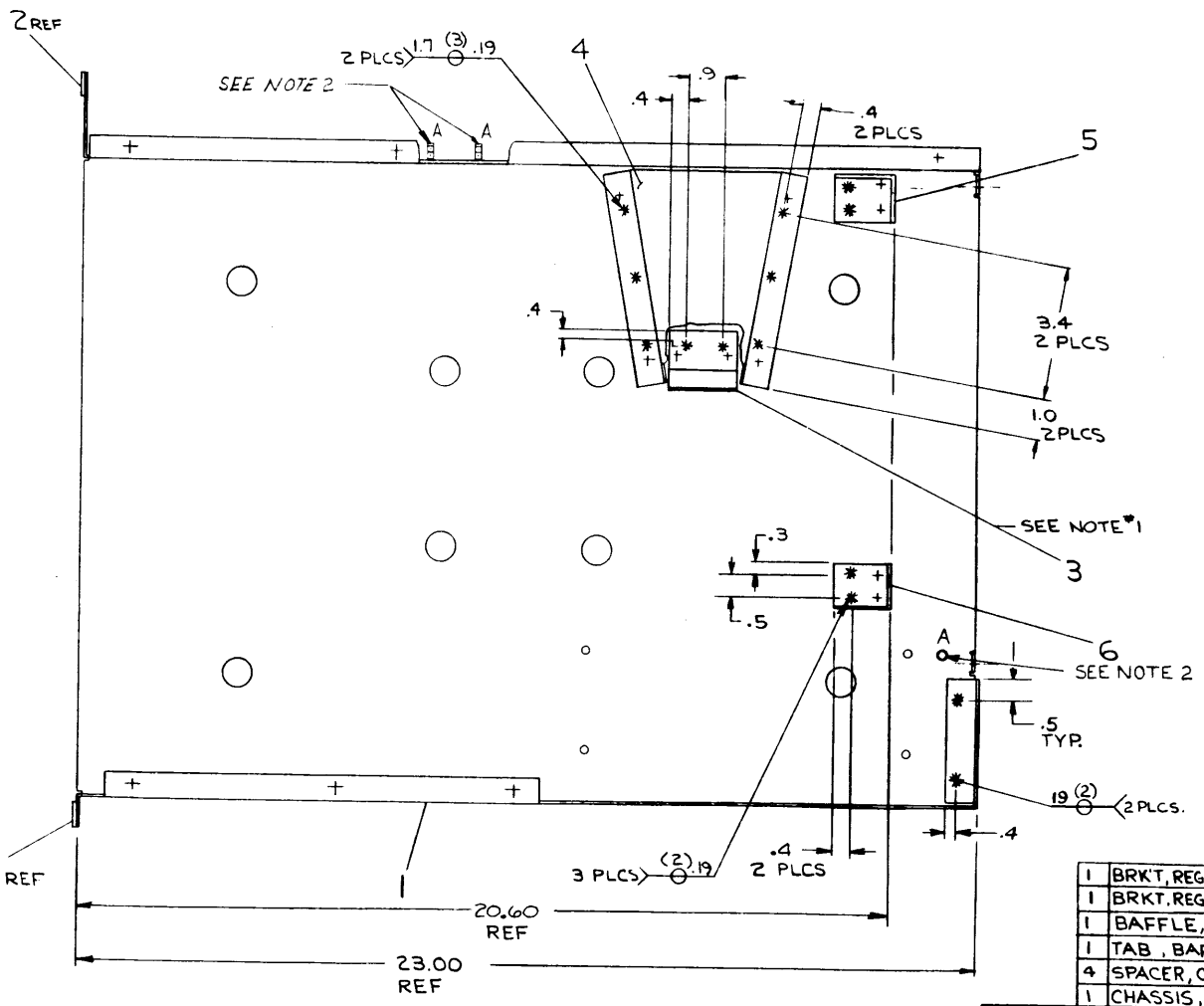
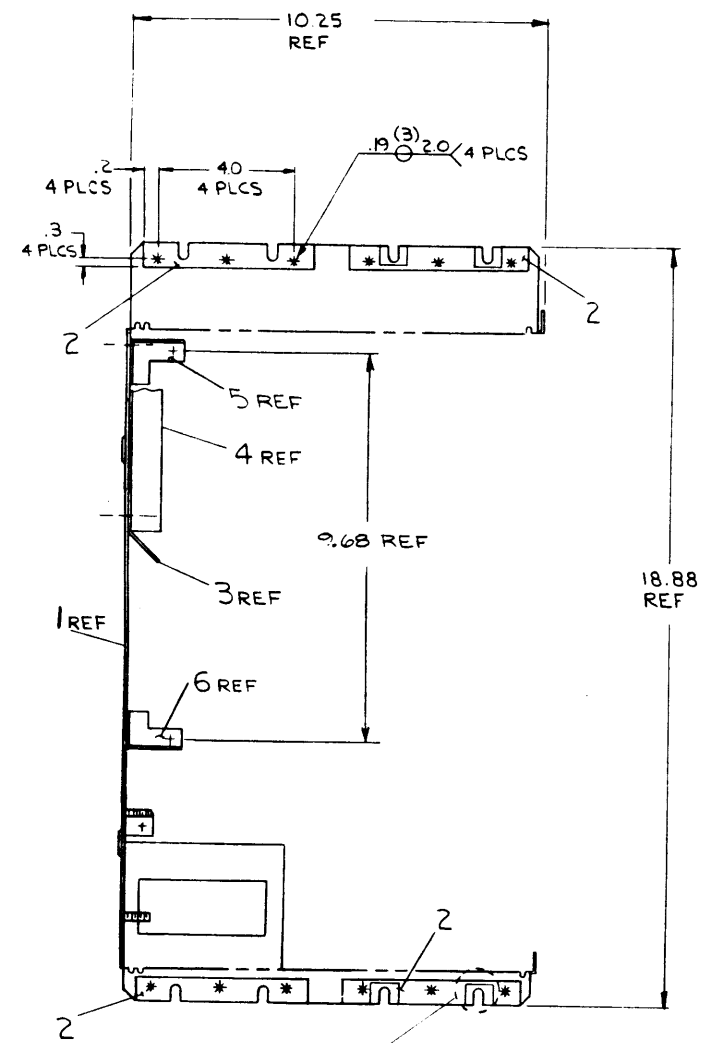
OSHA RED CHARACTERS ON OSHA YELLOW BACKGROUND

| | | | |
|-----------------------------|-------------------|----------------------|--------------------|
| DRN. <i>D. Malton</i> | <i>12 July 76</i> | FIRST USED ON | digital |
| CHK'D <i>L.A. Kingma</i> | <i>19 July 76</i> | <i>BA8-C</i> | |
| ENG. <i>L.A. Kingma</i> | <i>19 July 76</i> | TITLE | |
| PROJ. ENG. <i>L. Hallie</i> | <i>19 July 76</i> | <i>WARNING LABEL</i> | |
| PROD. <i>Sam Pauett</i> | <i>20 Jul 76</i> | | |
| NEXT HIGHER ASSY. | | | |
| <i>E-UA-BA8-C</i> | SIZE | CODE | NUMBER |
| SCALE | <i>A</i> | <i>DC</i> | <i>7417273-0-0</i> |
| SHEET <i>/</i> | OF <i>/</i> | DIST. | REV. |

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H 0-0-2102102 110 2

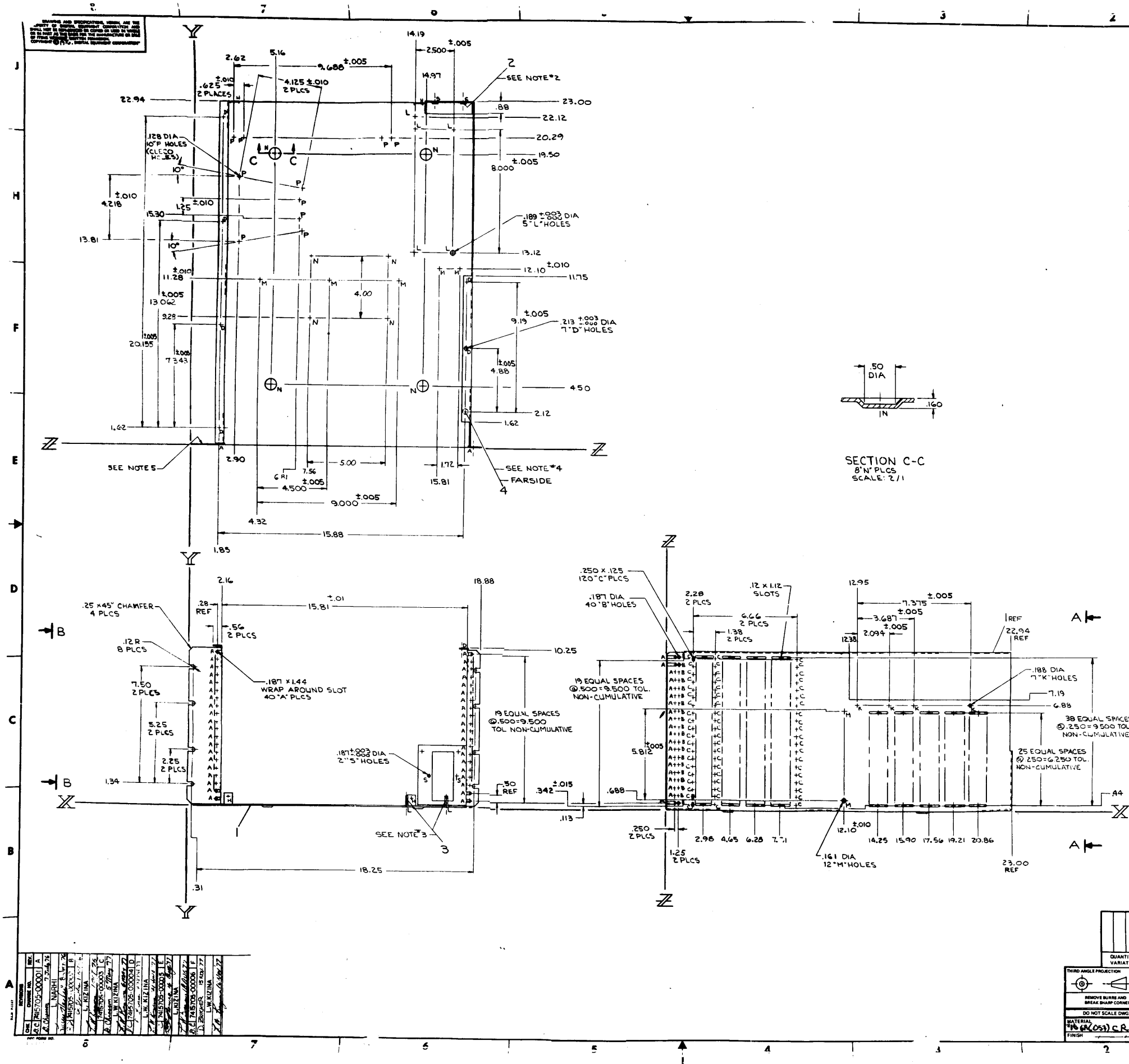
- NOTES:
1. TAB (ITEM*3) TO BE WELDED IN PLACE PRIOR TO AIR BAFFLE (ITEM*4)
 2. MASK STUDS (MARKED "A" 3 PLCS) BEFORE PAINTING.
 3. MASK "A" AREA'S AS SHOWN BEFORE PAINTING. LEAVE MASK ON UNTIL ASSEMBLE, THEN REMOVE MASK.



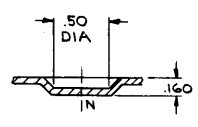
| | | | |
|---|-------------------------------|------------------|---|
| 1 | BRKT, REG. BD. SUPPORT (L.H.) | B-MD-7416468-01 | 6 |
| 1 | BRKT, REG. BD. SUPPORT (R.H.) | B-MD-7416468-00 | 5 |
| 1 | BAFFLE, AIR | B-MD-7416406-0-0 | 4 |
| 1 | TAB, BAFFLE | B-MD-7416407-0-0 | 3 |
| 4 | SPACER, CHASSIS | B-MD-7413499-0-0 | 2 |
| 1 | CHASSIS, SIDES & BOTTOM | E-1A-7415705-0-0 | 1 |

| REV. | CHANGE NO. | DATE | BY | CHKD. |
|------|---------------|---------|-----------|-----------|
| A | 7012417-00001 | 10/1/76 | L. KIZINA | L. KIZINA |
| B | 7012417-00002 | 10/1/76 | L. KIZINA | L. KIZINA |
| C | 7012417-00003 | 10/1/76 | L. KIZINA | L. KIZINA |
| D | 7012417-00004 | 10/1/76 | L. KIZINA | L. KIZINA |
| E | 7012417-00005 | 10/1/76 | L. KIZINA | L. KIZINA |
| F | 7012417-00007 | 10/1/76 | L. KIZINA | L. KIZINA |
| G | 7012417-00008 | 10/1/76 | L. KIZINA | L. KIZINA |
| H | 7012417-00009 | 10/1/76 | L. KIZINA | L. KIZINA |
| I | 7012417-00010 | 10/1/76 | L. KIZINA | L. KIZINA |
| J | 7012417-00011 | 10/1/76 | L. KIZINA | L. KIZINA |
| K | 7012417-00012 | 10/1/76 | L. KIZINA | L. KIZINA |
| L | 7012417-00013 | 10/1/76 | L. KIZINA | L. KIZINA |
| M | 7012417-00014 | 10/1/76 | L. KIZINA | L. KIZINA |
| N | 7012417-00015 | 10/1/76 | L. KIZINA | L. KIZINA |
| O | 7012417-00016 | 10/1/76 | L. KIZINA | L. KIZINA |
| P | 7012417-00017 | 10/1/76 | L. KIZINA | L. KIZINA |
| Q | 7012417-00018 | 10/1/76 | L. KIZINA | L. KIZINA |
| R | 7012417-00019 | 10/1/76 | L. KIZINA | L. KIZINA |
| S | 7012417-00020 | 10/1/76 | L. KIZINA | L. KIZINA |
| T | 7012417-00021 | 10/1/76 | L. KIZINA | L. KIZINA |
| U | 7012417-00022 | 10/1/76 | L. KIZINA | L. KIZINA |
| V | 7012417-00023 | 10/1/76 | L. KIZINA | L. KIZINA |
| W | 7012417-00024 | 10/1/76 | L. KIZINA | L. KIZINA |
| X | 7012417-00025 | 10/1/76 | L. KIZINA | L. KIZINA |
| Y | 7012417-00026 | 10/1/76 | L. KIZINA | L. KIZINA |
| Z | 7012417-00027 | 10/1/76 | L. KIZINA | L. KIZINA |
| AA | 7012417-00028 | 10/1/76 | L. KIZINA | L. KIZINA |
| AB | 7012417-00029 | 10/1/76 | L. KIZINA | L. KIZINA |
| AC | 7012417-00030 | 10/1/76 | L. KIZINA | L. KIZINA |

| | | | | |
|---|--------------------------------------|---------------------------------|-------------------------------|-------------------------------------|
| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS | DO NOT SCALE DWG | MATERIAL SEE PARTS LIST | FINISH 9200120 34 |
| QUANTITY & VARIATION | DRN. <i>W. Reitt</i> 11/16/76 | CHK'D. <i>W. Reitt</i> 11/16/76 | ENG. <i>W. Reitt</i> 11/16/76 | PROJ. ENG. <i>W. Reitt</i> 11/16/76 |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | FIRST USED ON B A8 - C | | | |
| TITLE CHASSIS, BA8 - C | SIZE CODE D 1 A | | | |
| NUMBER 7012417-0-0 | REV. H | | | |
| SHEET 1 OF 1 | DIST. | | | |



- NOTES:
- 1 UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R
 - 2 INSTALL #6-32 INSERTS (ITEM#2) INTO TWO (2) 5" HOLES AS SHOWN
 - 3 INSTALL #10-32 STUDS (ITEM#3) INTO FIVE (5) "L" HOLES AS SHOWN (MASK BEFORE PAINTING)
 - 4 INSTALL #6-32 FLUSH INSERTS (ITEM#4) INTO SEVEN (7) "D" HOLES (FAR SIDE)
 - 5 VENDOR IDENTIFICATION MARK ON INSIDE OF FLANGE.
 - 6 INSTALL #32 STUDS (ITEM#5) INTO (2) TWO "T" HOLES (THIS SIDE).

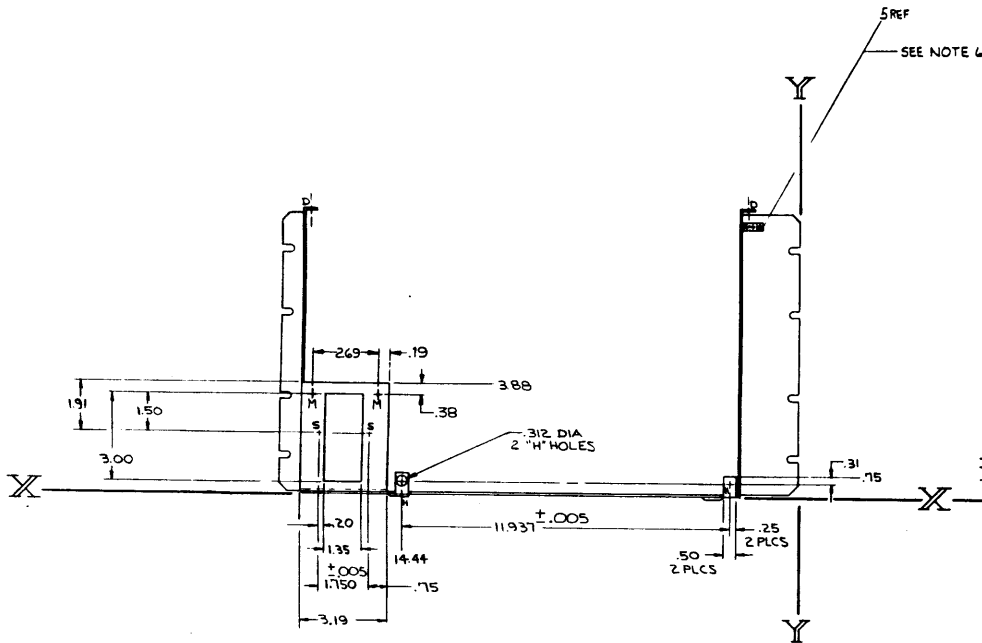
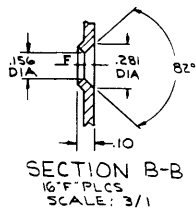


| QTY | DESCRIPTION | PART NO. | ITEM NO. |
|-----|--------------------------|-----------|----------|
| 2 | STUDS, HD #8-32 X .30 L6 | 900769-00 | 5 |
| 1 | INSERT FLUSH #6-32 | 900886-00 | 4 |
| 5 | STUD #10-32 X .2 L6 | 900939-01 | 3 |
| 2 | INSERT #6-32 | 900950-01 | 2 |
| 1 | CHASSIS | | |

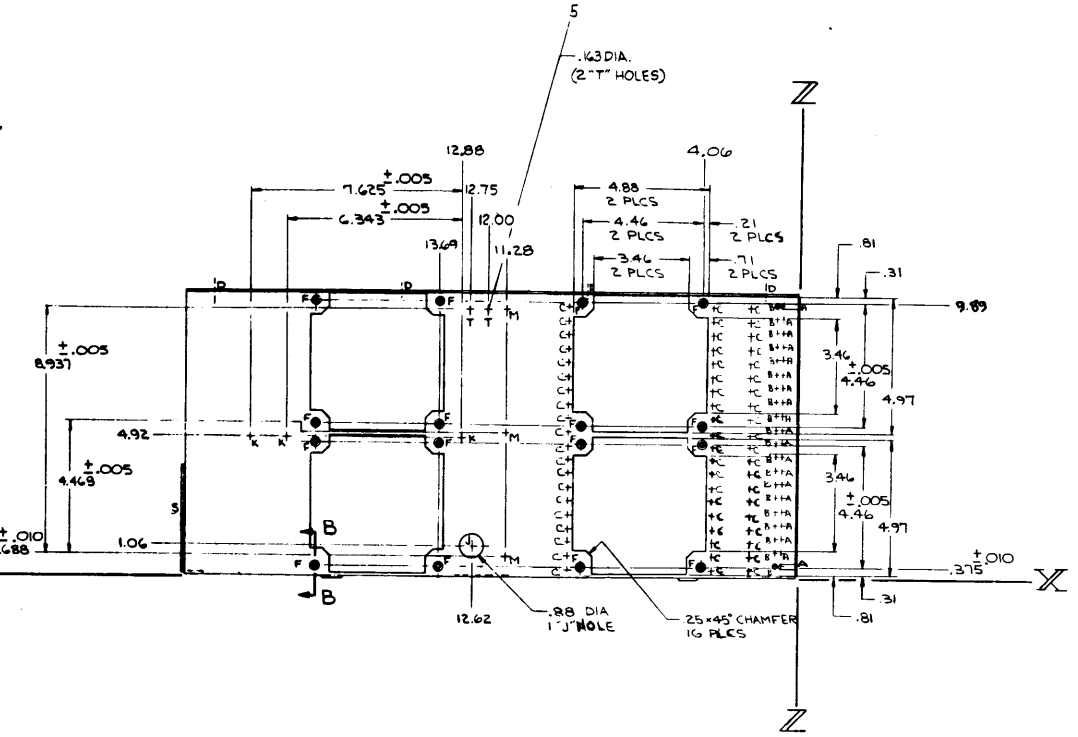
| | | |
|--|---------------------------|-------------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | DRN: [Signature] | FIRST USED ON: BAB-C |
| ANGLES: 0° 15' 30' 45' 60' 75' 90' 105' 120' 135' 150' 165' 180' | CHK'D: [Signature] | TITLE: CHASSIS SIDES & BOTTOM |
| SURFACE QUALITY: 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 | ENG: [Signature] | PROJ. ENGR: [Signature] |
| QUANTITY & VARIATION: MICROINCHES PREFERRED | PROJ. W. RET: [Signature] | DO NOT SCALE DWG |
| FINISH: [Signature] | SCALE: E 1/4 | SHEET 1 OF 2 |

| REV | DATE | DESCRIPTION |
|-----|----------|--------------------|
| 1 | 12/15/77 | ISSUED FOR FAB |
| 2 | 1/10/78 | REVISED PER CHG 1 |
| 3 | 2/15/78 | REVISED PER CHG 2 |
| 4 | 3/10/78 | REVISED PER CHG 3 |
| 5 | 4/5/78 | REVISED PER CHG 4 |
| 6 | 5/1/78 | REVISED PER CHG 5 |
| 7 | 6/1/78 | REVISED PER CHG 6 |
| 8 | 7/1/78 | REVISED PER CHG 7 |
| 9 | 8/1/78 | REVISED PER CHG 8 |
| 10 | 9/1/78 | REVISED PER CHG 9 |
| 11 | 10/1/78 | REVISED PER CHG 10 |
| 12 | 11/1/78 | REVISED PER CHG 11 |
| 13 | 12/1/78 | REVISED PER CHG 12 |
| 14 | 1/1/79 | REVISED PER CHG 13 |
| 15 | 2/1/79 | REVISED PER CHG 14 |
| 16 | 3/1/79 | REVISED PER CHG 15 |
| 17 | 4/1/79 | REVISED PER CHG 16 |
| 18 | 5/1/79 | REVISED PER CHG 17 |
| 19 | 6/1/79 | REVISED PER CHG 18 |
| 20 | 7/1/79 | REVISED PER CHG 19 |
| 21 | 8/1/79 | REVISED PER CHG 20 |
| 22 | 9/1/79 | REVISED PER CHG 21 |
| 23 | 10/1/79 | REVISED PER CHG 22 |
| 24 | 11/1/79 | REVISED PER CHG 23 |
| 25 | 12/1/79 | REVISED PER CHG 24 |
| 26 | 1/1/80 | REVISED PER CHG 25 |
| 27 | 2/1/80 | REVISED PER CHG 26 |
| 28 | 3/1/80 | REVISED PER CHG 27 |
| 29 | 4/1/80 | REVISED PER CHG 28 |
| 30 | 5/1/80 | REVISED PER CHG 29 |
| 31 | 6/1/80 | REVISED PER CHG 30 |
| 32 | 7/1/80 | REVISED PER CHG 31 |
| 33 | 8/1/80 | REVISED PER CHG 32 |
| 34 | 9/1/80 | REVISED PER CHG 33 |
| 35 | 10/1/80 | REVISED PER CHG 34 |
| 36 | 11/1/80 | REVISED PER CHG 35 |
| 37 | 12/1/80 | REVISED PER CHG 36 |
| 38 | 1/1/81 | REVISED PER CHG 37 |
| 39 | 2/1/81 | REVISED PER CHG 38 |
| 40 | 3/1/81 | REVISED PER CHG 39 |
| 41 | 4/1/81 | REVISED PER CHG 40 |
| 42 | 5/1/81 | REVISED PER CHG 41 |
| 43 | 6/1/81 | REVISED PER CHG 42 |
| 44 | 7/1/81 | REVISED PER CHG 43 |
| 45 | 8/1/81 | REVISED PER CHG 44 |
| 46 | 9/1/81 | REVISED PER CHG 45 |
| 47 | 10/1/81 | REVISED PER CHG 46 |
| 48 | 11/1/81 | REVISED PER CHG 47 |
| 49 | 12/1/81 | REVISED PER CHG 48 |
| 50 | 1/1/82 | REVISED PER CHG 49 |
| 51 | 2/1/82 | REVISED PER CHG 50 |
| 52 | 3/1/82 | REVISED PER CHG 51 |
| 53 | 4/1/82 | REVISED PER CHG 52 |
| 54 | 5/1/82 | REVISED PER CHG 53 |
| 55 | 6/1/82 | REVISED PER CHG 54 |
| 56 | 7/1/82 | REVISED PER CHG 55 |
| 57 | 8/1/82 | REVISED PER CHG 56 |
| 58 | 9/1/82 | REVISED PER CHG 57 |
| 59 | 10/1/82 | REVISED PER CHG 58 |
| 60 | 11/1/82 | REVISED PER CHG 59 |
| 61 | 12/1/82 | REVISED PER CHG 60 |
| 62 | 1/1/83 | REVISED PER CHG 61 |
| 63 | 2/1/83 | REVISED PER CHG 62 |
| 64 | 3/1/83 | REVISED PER CHG 63 |
| 65 | 4/1/83 | REVISED PER CHG 64 |
| 66 | 5/1/83 | REVISED PER CHG 65 |
| 67 | 6/1/83 | REVISED PER CHG 66 |
| 68 | 7/1/83 | REVISED PER CHG 67 |
| 69 | 8/1/83 | REVISED PER CHG 68 |
| 70 | 9/1/83 | REVISED PER CHG 69 |
| 71 | 10/1/83 | REVISED PER CHG 70 |
| 72 | 11/1/83 | REVISED PER CHG 71 |
| 73 | 12/1/83 | REVISED PER CHG 72 |
| 74 | 1/1/84 | REVISED PER CHG 73 |
| 75 | 2/1/84 | REVISED PER CHG 74 |
| 76 | 3/1/84 | REVISED PER CHG 75 |
| 77 | 4/1/84 | REVISED PER CHG 76 |
| 78 | 5/1/84 | REVISED PER CHG 77 |
| 79 | 6/1/84 | REVISED PER CHG 78 |
| 80 | 7/1/84 | REVISED PER CHG 79 |
| 81 | 8/1/84 | REVISED PER CHG 80 |
| 82 | 9/1/84 | REVISED PER CHG 81 |
| 83 | 10/1/84 | REVISED PER CHG 82 |
| 84 | 11/1/84 | REVISED PER CHG 83 |
| 85 | 12/1/84 | REVISED PER CHG 84 |
| 86 | 1/1/85 | REVISED PER CHG 85 |
| 87 | 2/1/85 | REVISED PER CHG 86 |
| 88 | 3/1/85 | REVISED PER CHG 87 |
| 89 | 4/1/85 | REVISED PER CHG 88 |
| 90 | 5/1/85 | REVISED PER CHG 89 |
| 91 | 6/1/85 | REVISED PER CHG 90 |
| 92 | 7/1/85 | REVISED PER CHG 91 |
| 93 | 8/1/85 | REVISED PER CHG 92 |
| 94 | 9/1/85 | REVISED PER CHG 93 |
| 95 | 10/1/85 | REVISED PER CHG 94 |
| 96 | 11/1/85 | REVISED PER CHG 95 |
| 97 | 12/1/85 | REVISED PER CHG 96 |
| 98 | 1/1/86 | REVISED PER CHG 97 |
| 99 | 2/1/86 | REVISED PER CHG 98 |
| 100 | 3/1/86 | REVISED PER CHG 99 |

ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED ARE IN INCHES AND DECIMALS THEREOF. DIMENSIONS IN PARENTHESES ARE FOR INFORMATION ONLY. DIMENSIONS IN BRACKETS ARE FOR INFORMATION ONLY. DIMENSIONS IN DASHES ARE FOR INFORMATION ONLY. DIMENSIONS IN DASHES ARE FOR INFORMATION ONLY.



VIEW A-A
(REAR VIEW)
SCALE: NONE



VIEW B-B
(LEFT SIDE VIEW)
SCALE: NONE

| REV | CHG | NO. | REV. |
|-----|-----|-----|------|
| | | | |

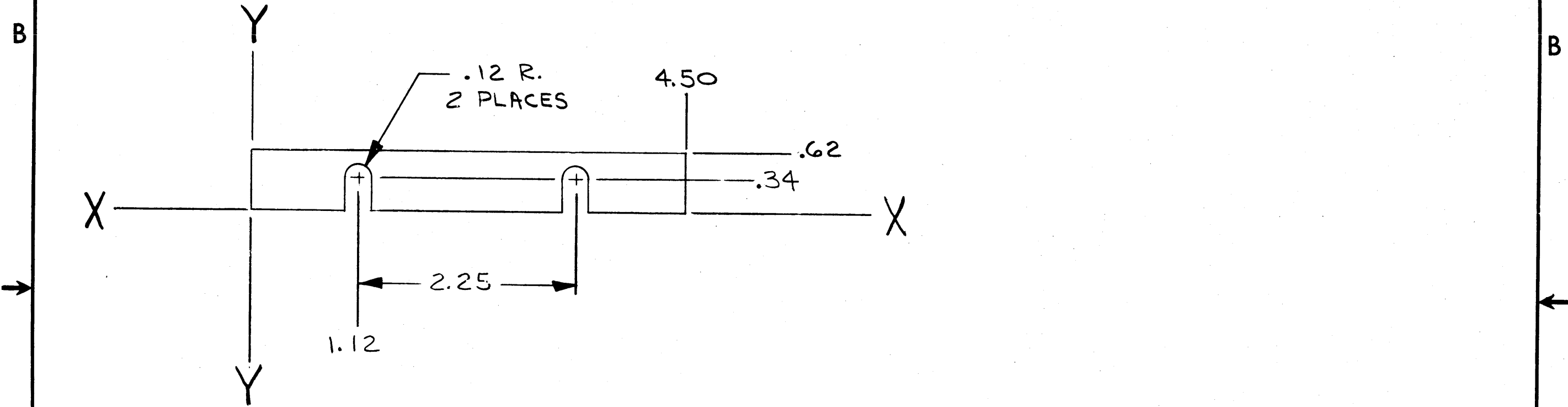
| | | | |
|-------------------------|---------|-------------|------|
| TITLE | SIZE | NUMBER | REV |
| CHASSIS, SIDES & BOTTOM | E 1A | 7415705 0-0 | F |
| SCALE | SHEET 2 | OF 2 | DIST |

B I T A I 7415705 0-0 F

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DO NOT SCALE DRAWING

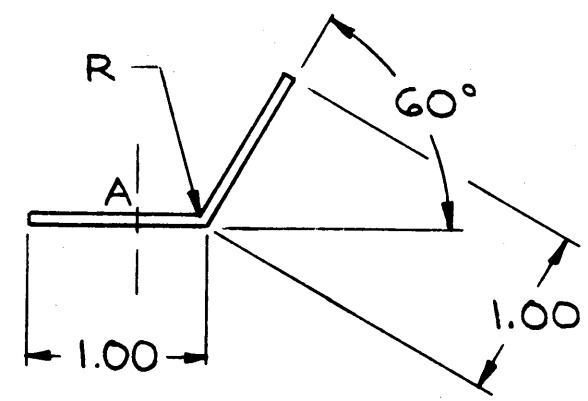
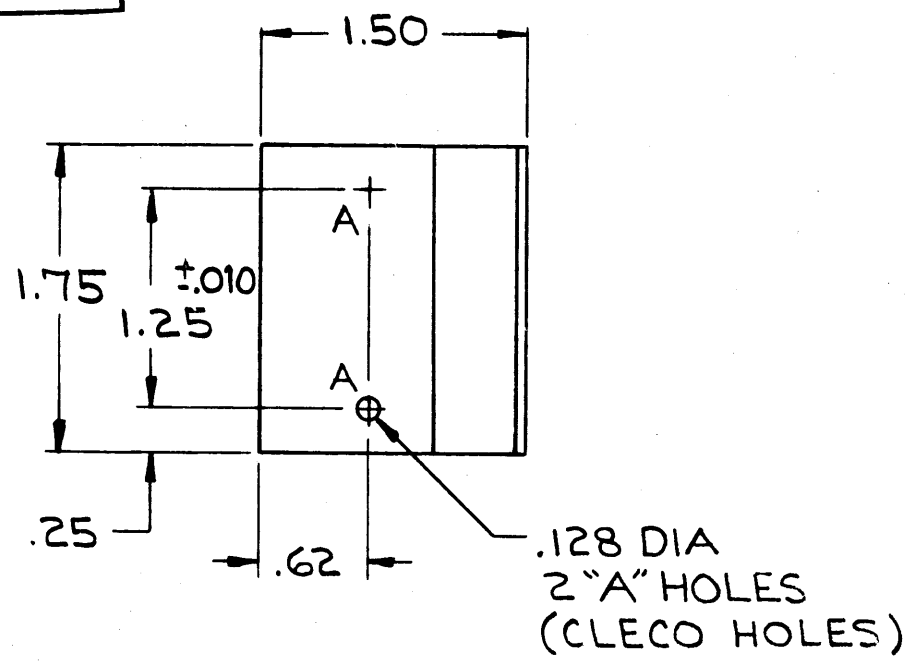


| | |
|------------|------|
| REVISIONS | REV. |
| CHANGE NO. | |
| CHK | |

| | | | | |
|--|------------------------------|--------------|--|----------|
| FIRST USED ON OPTION/MODEL | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
| H9300 | | | | |
| PARTS LIST | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES | DRN. <i>K. Davis</i> | DATE 1-29-75 | digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS | |
| TOLERANCES | CHK'D. <i>S. Roberts</i> | DATE 2-4-75 | | |
| DECIMALS | ENG. <i>J. Salgado</i> | DATE 2-4-75 | | |
| ANGLES | PROJ. ENG. <i>J. Salgado</i> | DATE 2-4-75 | | |
| .xxx = .005 | PROD. <i>W. Rett</i> | DATE 2-4-75 | TITLE | |
| .xx = .02 | | | SPACER, CHASSIS | |
| .x = .1 | | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V | NEXT HIGHER ASSY. | | | |
| MATERIAL 12 GA (.104 THK.) C.R.S. | E-IA-7009754-0-0 | SIZE CODE | NUMBER | REV. |
| FINISH / / | SCALE 1/1 | B MD | 7413499-0-0 | |
| | SHEET 1 OF 1 | DIST. | | |

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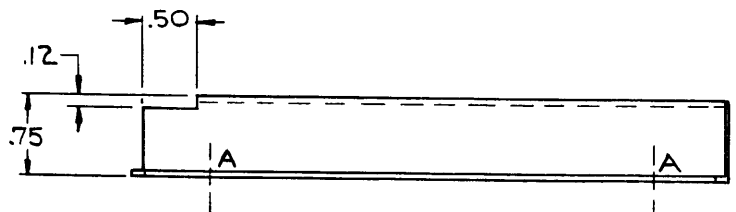
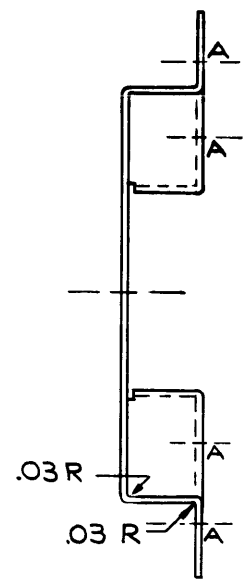
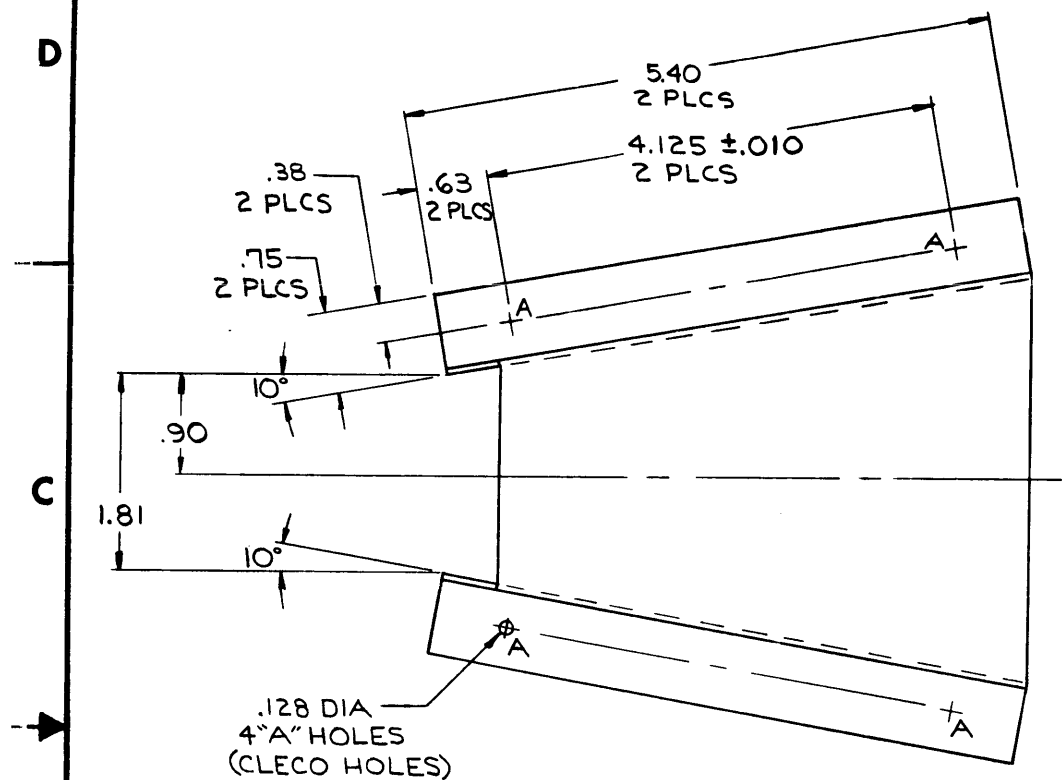
REV. 0-0-7416407-0-0
 SIZE CODE B MD
 NUMBER 7416407-0-0



| | |
|------------|--|
| REV. | |
| CHANGE NO. | |
| CHK | |

| | | | | | | | |
|---|---|--------------------------------|-----------------|-----------------|--------------------|-------------------|-------------------|
| DESCRIPTION | | DWG./PART NO. | | ITEM NO. | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | |
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | | | |
| | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| SURFACE QUALITY IN | MEDIUM <input type="checkbox"/> | ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 |
| MICROINCHES | PREFERRED <input checked="" type="checkbox"/> | ±.012 | ±.016 | ±.025 | ±.04 | ±.063 | ±.1 |
| THIRD ANGLE PROJECTION | DRN. <i>[Signature]</i> 9/11/76 | FIRST USED ON | | | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D <i>[Signature]</i> 8/11/76 | BA8-C digital | | | | | |
| DO NOT SCALE DWG | ENG. <i>[Signature]</i> 8/11/76 | TITLE | | | | | |
| MATERIAL | PROJ. ENG. <i>[Signature]</i> 8/11/76 | TAB, BAFFLE | | | | | |
| FINISH | PROD. <i>[Signature]</i> 8/11/76 | NEXT HIGHER ASSY. | | | | | |
| | MATERIAL 16 GA (.059 THK) C.R.S. | D-IA-7012417-0-0 | | SIZE CODE B MD | NUMBER 7416407-0-0 | REV. | |
| | | SCALE | 1 / 1 | SHEET | 1 | OF | |
| | | | | DIST. | | | |

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| | |
|------------|--|
| REV. | |
| CHANGE NO. | |
| CHK | |

MANUFACTURE P-1193
DSC FORM NO. 280 100-0

| | | | | | | | |
|---|---|--------------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|
| DESCRIPTION | | DWG./PART NO. | | ITEM NO. | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | |
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | | | |
| | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| SURFACE QUALITY IN MICROINCHES | MEDIUM <input type="checkbox"/> | ±.004 | ±.008 | ±.012 | ±.018 | ±.024 | ±.04 |
| | PREFERRED <input checked="" type="checkbox"/> | ±.012 | ±.018 | ±.025 | ±.04 | ±.063 | ±.1 |
| THIRD ANGLE PROJECTION | DRN <i>[Signature]</i> | FIRST USED ON | | | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK <i>[Signature]</i> | BA8-C digital | | | | | |
| DO NOT SCALE DWG | PROJ. ENG. <i>[Signature]</i> | TITLE | | | | | |
| | PROD. <i>[Signature]</i> | BAFFLE, AIR | | | | | |
| MATERIAL 16 GA (.059 THK) C.R.S. | NEXT HIGHER ASSY. | | | | | | |
| FINISH | D-1A-7012417-0-0 | SIZE | CODE | NUMBER | REV. | | |
| | SCALE 1/1 | C | MD | 7416406-0-0 | | | |
| SHEET | OF | DIST. | | | | | |

SIZE CODE C MD NUMBER 7416406-0-0 REV.

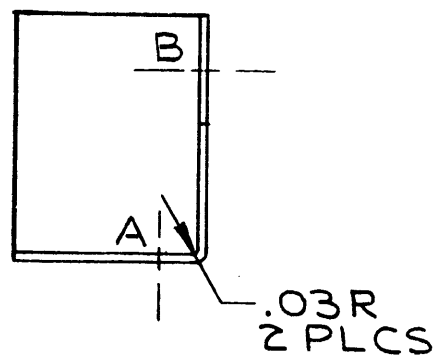
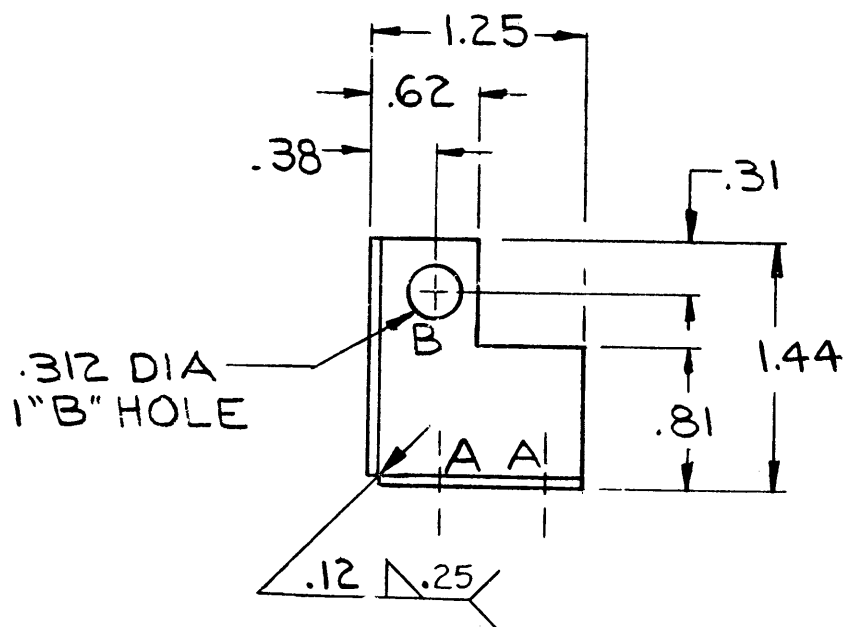
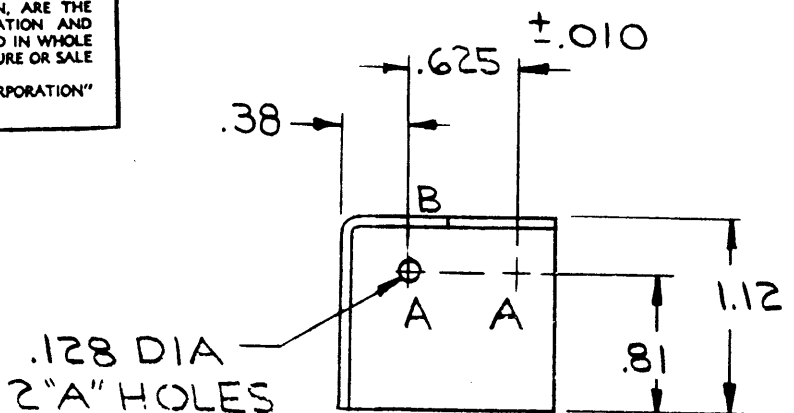
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REV. A 0-0-8969172. B MD 2

LEGEND

| NUMBER | VARIATION |
|------------|----------------------|
| 7416468-00 | RIGHT HAND (SHOWN) |
| 7416468-01 | LEFT HAND (OPPOSITE) |

NOTES:



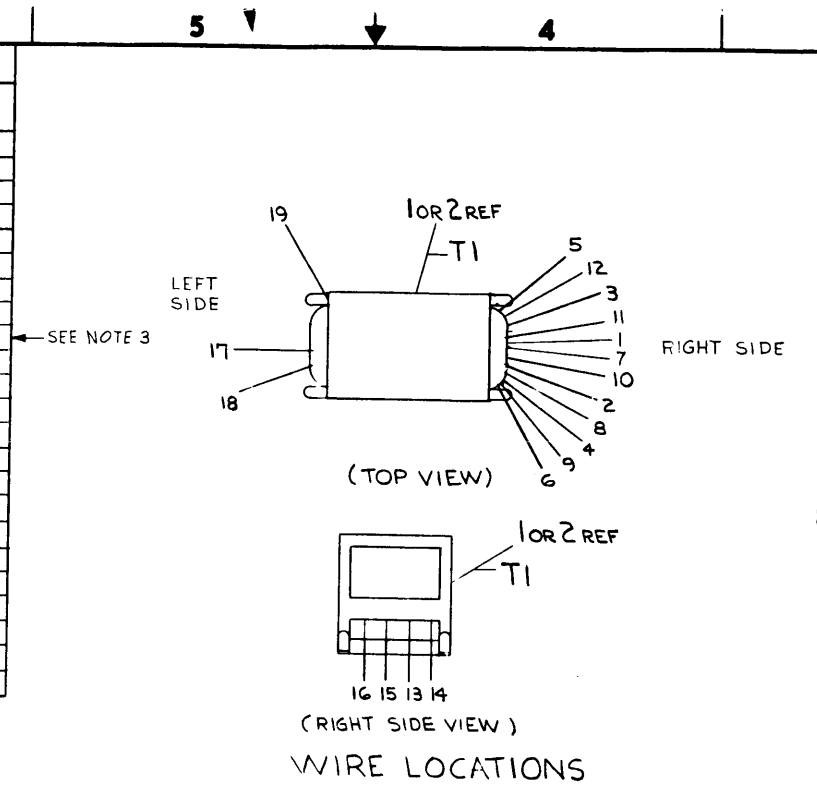
| REV. | CHANGE NO. | DATE | BY |
|------|------------|---------|-----------|
| A | 1 | 1/21/80 | C. NORRIS |

| DESCRIPTION | | DWG./PART NO. | ITEM NO. | | | | |
|---|----------------------------------|--------------------------------|-----------------|-----------------|------------------|-------------------|-------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | |
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | | | |
| SURFACE QUALITY IN MICROINCHES | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| ✓ | MEDIUM | ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 |
| | PREFERRED | ±.012 | ±.016 | ±.025 | ±.04 | ±.063 | ±.1 |

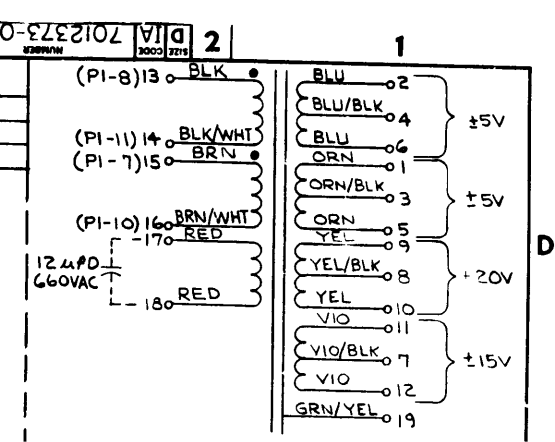
| | | | |
|--------------------------------------|-----------------------------------|--------------------------------------|-----------------------|
| THIRD ANGLE PROJECTION | DRN. <i>[Signature]</i> 10/27/76 | FIRST USED ON BA8-C | digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D. <i>[Signature]</i> 8/27/76 | TITLE BRK'T, REG BD. SUPPORT | |
| DO NOT SCALE DWG | ENG. <i>[Signature]</i> 8/27/76 | PROJ. ENG. <i>[Signature]</i> JUN 76 | |
| | PROD. <i>[Signature]</i> 8/JUN 76 | NEXT HIGHER ASSY. | |
| MATERIAL 16 GA. (059 THK) C.R.S. | DIA-7012417 -0-0 | SIZE CODE B MD | NUMBER 7416468-0-0 |
| FINISH | SCALE | SHEET | OF |
| | | DIST. | |

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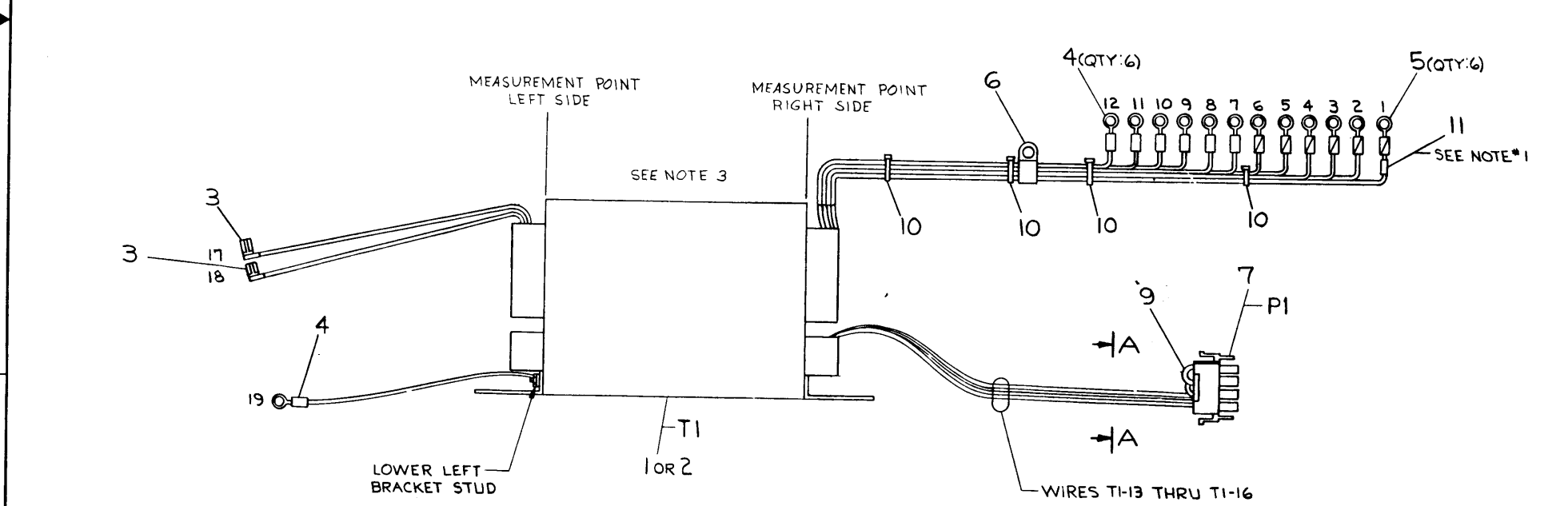
| WIRE TABLE | | | | | | | |
|------------|-------------|---------|-------|----|-------|-------------|---------|
| ITEM NO. | DESCRIPTION | FROM | WITH | TO | WITH | WIRE LENGTH | |
| 1 OR 2 | 14 | RED | TI-18 | 3 | | 4.50 IN | |
| | 14 | RED | TI-17 | 3 | | 4.50 IN | |
| | 12 | ORN | TI-1 | 5 | | 14.50 IN | |
| | 12 | BLU | TI-2 | | | 13.50 IN | |
| | 12 | ORN/BLK | TI-3 | | | 14.50 IN | |
| | 12 | BLU/BLK | TI-4 | | | 12.50 IN | |
| | 12 | ORN | TI-5 | | | 14.00 IN | |
| | 12 | BLU | TI-6 | 5 | | 12.00 IN | |
| | 14 | VIO/BLK | TI-7 | 4 | | 11.00 IN | |
| | 14 | YEL/BLK | TI-8 | | | 10.50 IN | |
| | 14 | YEL | TI-9 | | | 9.50 IN | |
| | 14 | YEL | TI-10 | | | 10.00 IN | |
| | 14 | VIO | TI-11 | | | 10.00 IN | |
| | 14 | VIO | TI-12 | 4 | | 10.50 IN | |
| | 14 | BRN | TI-15 | | PI-7 | 8 | 9.00 IN |
| | 14 | BLK | TI-13 | | PI-8 | | 9.00 IN |
| | 14 | BRN/WHT | TI-16 | | PI-10 | | 9.00 IN |
| | 14 | BLK/WHT | TI-14 | | PI-11 | | 9.00 IN |
| 9 | 14 | BLK | PI-1 | 8 | PI-6 | | 2.50 IN |
| 9 | 14 | BLK | PI-2 | 8 | PI-12 | | 3.00 IN |
| 9 | 14 | BLK | PI-3 | 8 | PI-9 | | 2.50 IN |
| 9 | 14 | BLK | PI-4 | 8 | PI-5 | | 2.50 IN |
| 1 OR 2 | 14 | GRN/YEL | TI-19 | 4 | | 6.00 IN | |



| LEGEND | |
|------------|-----------|
| NUMBER | VARIATION |
| 7012373-00 | 60 HZ |
| 7012373-01 | 50 HZ |



- NOTES:
- WIRES TI-1 THRU TI-12 ON TRANSFORMER (ITEM #1 OR 2) TO BE NUMBERED PER DRAWING WITH MARKERS (ITEM #11) OR EQUIVALENT. MARKERS TO BE PLACED BELOW CRIMP TERMINALS (ITEM #4 & 5)
 - ALL WIRE LENGTHS TAKEN BEFORE TERMINAL'S ASSEMBLED, TAKEN FROM CORE STACK.
 - IF LEAD #7 (VIO/BLK) COMES OUT ON LEFT SIDE LEAD LENGTH WILL BE 21.00 IN.



| QTY | DESCRIPTION | DWG/PART NO. | ITEM NO. |
|-----|---------------------------|--------------|----------|
| 11 | MARKERS, SELF-STICK, TERM | 9008356-01 | 11 |
| 4 | TIE, CABLE | 9007032 | 10 |
| 4 | WIRE #14 AWG STRD(BLK) | 9107370-00 | 9 |
| 12 | CONTACT, SOCKET | 1212170-00 | 8 |
| 1 | CONNECTOR, PLUG, 12 PIN | 1212167-03 | 7 |
| 1 | CLAMP, CABLE 11/16 | 9007088 | 6 |
| 6 | TERM. RING TONGUE #12-10 | 9007926-01 | 5 |
| 7 | TERM. RING TONGUE #16-14 | 9007928-00 | 4 |
| 2 | FASTON, FLAG TYPE | 9006998 | 3 |
| - | TRANSFORMER, 60 HZ | 1613085-00 | 2 |
| 1 | TRANSFORMER, 50 HZ | 1613084-00 | 1 |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

| ANGLES | CLASS OF ACCURACY | NOMINAL DIMENSION | RANGE | INCHES |
|---------|-------------------|-------------------|---------------|-----------------|
| 10° 30' | (CHECK ONE) | OVER 0 TO 10 | OVER 10 TO 40 | OVER 40 TO 80.0 |
| | | ±.02 | ±.03 | ±.04 |
| | | ±.05 | ±.07 | ±.09 |
| | | ±.12 | ±.15 | ±.18 |
| | | ±.25 | ±.31 | ±.39 |
| | | ±.004 | ±.006 | ±.012 |
| | | ±.016 | ±.024 | ±.04 |
| | | ±.012 | ±.018 | ±.025 |
| | | ±.04 | ±.06 | ±.08 |

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN: [Signature]

CHK: [Signature]

ENG: [Signature]

PROD: [Signature]

FIRST USED ON: BAS-C digital

TITLE: TRANSFORMER ASSEMBLY

E-UA-BAB-C-0

SCALE: DIST.

SHEET 1 OF 1

SIZE CODE: D IA

NUMBER: 7012373-0-0

REV. C

| REV. | CHG | BY | DATE |
|------|-----|-----------|-----------|
| 1 | | L. KIZINA | 16 FEB 77 |
| 2 | | L. KIZINA | 17 FEB 77 |
| 3 | | L. KIZINA | |
| 4 | | L. KIZINA | |
| 5 | | L. KIZINA | |
| 6 | | L. KIZINA | |
| 7 | | L. KIZINA | |
| 8 | | L. KIZINA | |

DEC FORM NO. DRD 100-C

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WIRE TABLE - ILLUSTRATION 1

| ITEM NO. | DESCRIPTION | FROM | TO | | WIRE LENGTH |
|----------|-------------|------|-------|------------|-----------------------|
| | | | CONN | WITH | |
| 18 | 14 GRN/YEL | PI-1 | 1 & 2 | G3 | 28 16.0 ± .25 IN |
| 4 | 18 YEL | PI-2 | 1 & 2 | J1-2 | 6 & 22 16.5 ± .25 IN |
| 5 | 18 BRN | PI-3 | 1 & 2 | J1-1 | 6 & 22 16.5 ± .25 IN |
| 3 | 18 GRN | PI-4 | 1 & 2 | J1-3 | 6 & 22 16.5 ± .25 IN |
| 14 | 14 BRN | PI-5 | 1 & 2 | CBI - LOAD | 28 & 15 15.5 ± .25 IN |
| 9 | 14 BLU | --- | --- | PI-6 | 1 & 2 15.5 ± .25 IN |
| | GRN/YEL | | | G2 | 28 5.0 ± .25 IN |
| | BRN | | | CBI - LINE | 28 & 15 4.5 ± .25 IN |

DO NOT SCALE DRAWING

LEGEND

| NUMBER | VARIATION |
|----------------|----------------------------|
| ILLUSTRATION 1 | 7012375-00 115V, 60HZ, 12A |
| | 7012375-02 115V, 50HZ, 12A |
| ILLUSTRATION 2 | 7012375-01 230V, 50HZ, 6A |
| | 7012375-03 230V, 60HZ, 6A |

NOTES:

- ASSEMBLE CIRCUIT BREAKER (ITEM 32 OR 33) TO COVER (ITEM 7) BEFORE ADDING SHRINK TUBING (ITEM 15).
- MEASUREMENT FOR WIRE LENGTHS TO BE TAKEN FROM END OF JACKET. (ITEM 9 OR 10)
- REMOVE TABS OF (ITEM 6) BOTH SIDES BEFORE ASSEMBLING COVER (ITEM 7).
- SOLDERLESS CONN. SCREWS ARE SUPPLIED WITH ITEM 32 & 33. TORQUE TO 15 IN. LBS.
- SHRINK TUBING SHOULD EXTEND 1/2 IN. OVER NON TERMINATED END OF SHIELDING
- TORQUE TO 13 INCH POUNDS

- STRIP BACK APPROX. .25 IN.
- STRIP BACK APPROX. .3 IN. FIRMLY TIGHTEN SCREW TERMINALS.

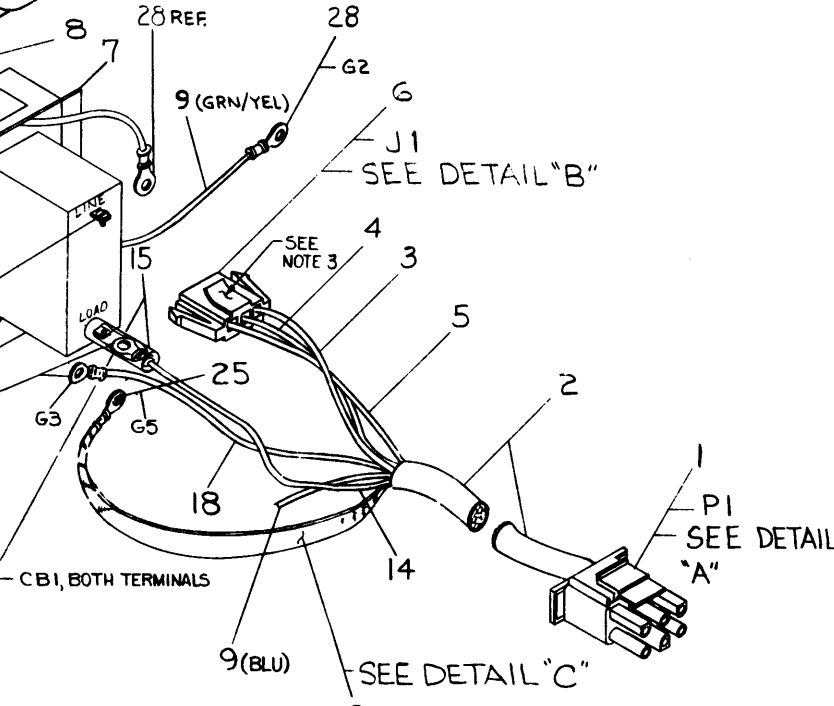
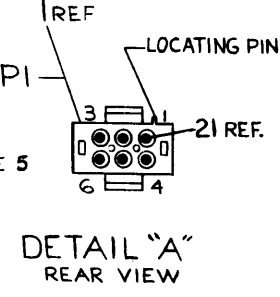
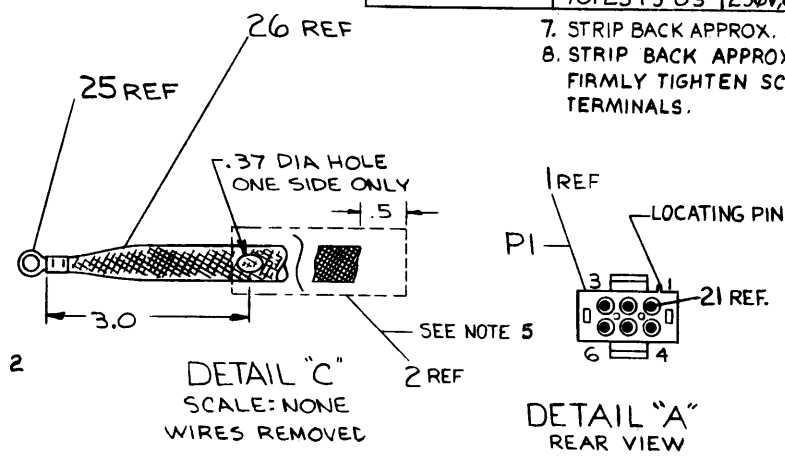
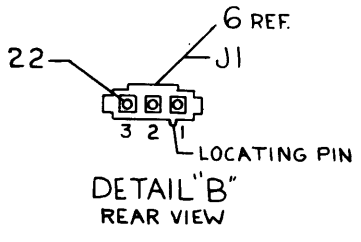
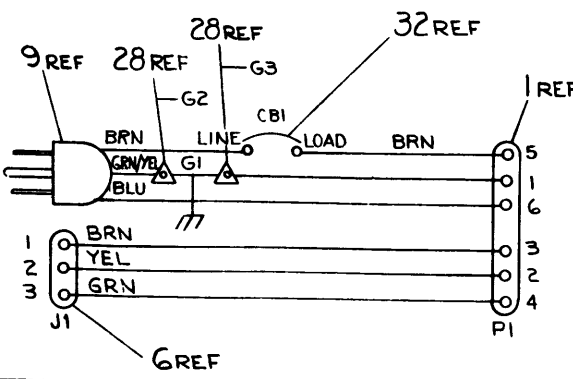
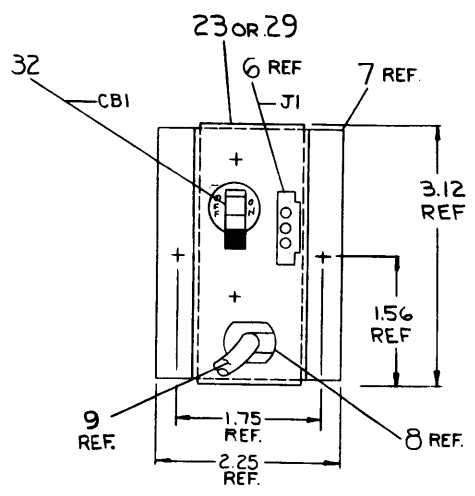


ILLUSTRATION 1

| QTY | DESCRIPTION | DWG. PART NO. | ITEM NO. |
|-------------|------------------------------------|------------------|----------|
| 1 | DECAL, 1000 WATT | 7420657 | 44 |
| 1 | INSULATOR PLATE | 7420674 | 43 |
| 1 | DECAL, GND | 3612680-01 | 42 |
| 1 | STRAIN RELIEF | 9009768-00 | 41 |
| 1 | CAPACITOR, RFI SUPPRESSION | 1014652 | 40 |
| 1 | TERMINATION BLOCK, 3 TERM. | 1214678 | 39 |
| 1 | BRACKET, FILTER-BLOCK | 7419716 | 38 |
| 1 | WIRE SPLICE, BUTT | 9008091 | 37 |
| AR | WIRE, #18 AWG STRD. (BLU) | 9107786-66 | 36 |
| 1 | WASHER, FLAT | 9006653 | 35 |
| 2 | SCREW, PHIL PAN HD. 4-40 X .875 LG | 9006016-01 | 34 |
| 1 | CIRCUIT BREAKER 6A | 1214051-02 | 33 |
| 1 | CIRCUIT BREAKER 12A | 1214051-1 | 32 |
| 3 | SCREW, PHIL PAN HD. G-32 X .25 LG | 9006020-01 | 31 |
| 1 | DECAL, 230V, 50HZ, 5.25A | A-DC-7416202-40 | 30 |
| 1 | DECAL, 115V, 50HZ, 10.5A | A-DC-7416202-30 | 29 |
| 3 | CONN. SOLDERLESS *16-14 | 9007928-00 | 28 |
| 1 | CONN. SOLDERLESS *22-16 | 9007930-00 | 27 |
| AR/AR/AR/AR | SHIELDING, BRAIDED 15 ± .25 IN. | 9107682-00 | 26 |
| 1 | TERMINAL, RING TONGUE | 9007926-01 | 25 |
| 1 | DECAL, 230V, 50HZ, 5.25A | A-DC-7416202-1-0 | 24 |
| 1 | DECAL, 115V, 60HZ, 10.5A | A-DC-7416202-2-0 | 23 |
| 3 | CONTACT, SOCKET | 1209379-00 | 22 |
| 6 | CONTACT, SOCKET | 1212170-00 | 21 |
| 1 | NUT, KEPS *6-32 | 9006560-00 | 20 |
| 1 | WASHER, FLT 3/16 X 1/8 X .032 THK | 9006653-00 | 19 |
| AR/AR/AR/AR | WIRE, #14 AWG STRD (GRN/YEL) | 9107777-54 | 18 |
| 1 | CONN. SOLDERLESS, 16-14 | 9007927-00 | 17 |
| 3 | WASHER, EXT. TOOTH LOCK *6 | 9007649 | 16 |
| AR/AR/AR/AR | TUBING, SHRINK 2.00 LG | 9107252-09 | 15 |
| AR/AR/AR/AR | WIRE, #14 AWG STRD (BRN) | 9107787-11 | 14 |
| 1 | HOLDER, FUSE, 20A 250V | 1212893-00 | 13 |
| 1 | FUSE, 12 AMP, 250V | 9008279-00 | 12 |
| 1 | FUSE, 6 AMP, 250V | 9009999-00 | 11 |
| 1 | POWER CORD, 240V (3M) | 1100043-00 | 10 |
| 1 | POWER CORD, 115V (9 FT) | 9107673-09 | 9 |
| 1 | STRAIN RELIEF | 9009969-00 | 8 |
| 1 | COVER LINE SET | G-MD-7419004-0-0 | 7 |
| 1 | HOUSING, CONN (3 PIN) | 1209350-03 | 6 |
| AR/AR/AR/AR | WIRE, #18 AWG STRD (BRN) | 9107360-11 | 5 |
| AR/AR/AR/AR | WIRE, #18 AWG STRD (YEL) | 9107360-44 | 4 |
| AR/AR/AR/AR | WIRE, #18 AWG STRD (GRN) | 9107360-55 | 3 |
| AR/AR/AR/AR | TUBING, SHRINK 12.5 ± .25 IN. | 9107250-00 | 2 |
| 1 | CONNECTOR PLUG, 6 PIN | 1212167-06 | 1 |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
|---|-------------------|
| ANGLE 30° 30' | CLASS OF ACCURACY |
| SURFACE QUALITY IN | MEDIUM |
| QUANTITY & VARIATION | PREFERRED |

| THIRD ANGLE PROJECTION | DRN | FIRST USED ON |
|------------------------|--------------|---------------------------|
| REMOVED | DRN | BA8-C |
| DO NOT SCALE DWG | TITLE | LINE SET ASSEMBLY (BA8-C) |
| MATERIAL PARTS LIST | E-UN BA8-C-0 | SIZE CODE |
| FINISH | SCALE | NUMBER |
| | SHEET | DIST. |

| | | | | |
|---------|------------------|---|---------------|----------------|
| REV. 1 | CHANGE NO. 00001 | A | DATE 10-18-77 | BY W. KERCHNER |
| REV. 2 | CHANGE NO. 00002 | B | DATE 11-14-77 | BY W. KERCHNER |
| REV. 3 | CHANGE NO. 00003 | C | DATE 12-14-77 | BY W. KERCHNER |
| REV. 4 | CHANGE NO. 00004 | D | DATE 1-19-78 | BY W. KERCHNER |
| REV. 5 | CHANGE NO. 00005 | E | DATE 2-24-78 | BY W. KERCHNER |
| REV. 6 | CHANGE NO. 00006 | F | DATE 3-15-78 | BY W. KERCHNER |
| REV. 7 | CHANGE NO. 00007 | G | DATE 4-12-78 | BY W. KERCHNER |
| REV. 8 | CHANGE NO. 00008 | H | DATE 5-11-78 | BY W. KERCHNER |
| REV. 9 | CHANGE NO. 00009 | I | DATE 6-15-78 | BY W. KERCHNER |
| REV. 10 | CHANGE NO. 00010 | J | DATE 7-11-78 | BY W. KERCHNER |
| REV. 11 | CHANGE NO. 00011 | K | DATE 8-14-78 | BY W. KERCHNER |
| REV. 12 | CHANGE NO. 00012 | L | DATE 9-19-78 | BY W. KERCHNER |

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| WIRE TABLE | | | | | | | | REMARKS |
|------------|-----|---------|------|-------|----------|--------|----------------|----------------|
| ITEM NO. | AWG | COLOR | CONN | WITH | CONN | WITH | LENGTH | |
| 18 | 14 | GRN/YEL | PI-1 | Z1C1 | G3 | ZB | 16.0 ± .25 IN. | |
| 4 | 18 | YEL | PI-2 | | J1-2 | G4Z2 | 16.5 ± .25 IN. | |
| 5 | 18 | BRN | PI-3 | | J1-1 | G4Z2 | 16.5 ± .25 IN. | |
| 3 | 18 | GRN | PI-4 | | J1-3 | G4Z2 | 16.5 ± .25 IN. | |
| 14 | 14 | BRN | PI-5 | Z1C1 | CBI-LOAD | ZB F13 | 15.5 ± .25 IN. | |
| | | BLUE | | STRIP | J2-NL | STRIP | 6.5 ± .25 IN. | SEE NOTE 8 |
| 10 | 18 | GRN/YEL | | | J2-L | | 7.5 ± .25 IN. | |
| | | BRN | | | J2-LL | | 6.5 ± .25 IN. | |
| 18 | 14 | GRN/YEL | J2-N | STRIP | G2 | ZB | 8.0 ± .25 IN. | |
| | | | CI-1 | | J2-LM | STRIP | 3.2 ± .15 IN. | SEE NOTE 8 |
| 40 | 18 | BLK | | | CBI-LINE | 16E27 | 3.2 ± .15 IN. | |
| | | | CI-4 | | J2-NM | STRIP | 1.0 ± .15 IN. | |
| | | | CI-5 | | WS1 | 37 | 3.2 ± .15 IN. | SEE NOTE 7 |
| 36 | 18 | BLUE | PI-6 | Z1C1 | WS1 | 37 | 14.5 ± .25 IN. | SEE NOTE 7 |
| 26 | | | | | G5 | 25 | 15 ± .25 IN. | SEE DETAIL 'C' |

DO NOT SCALE DRAWING

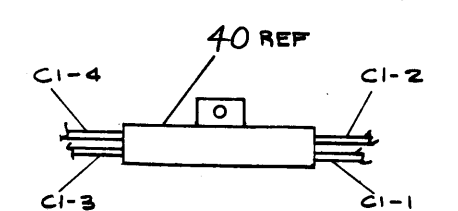
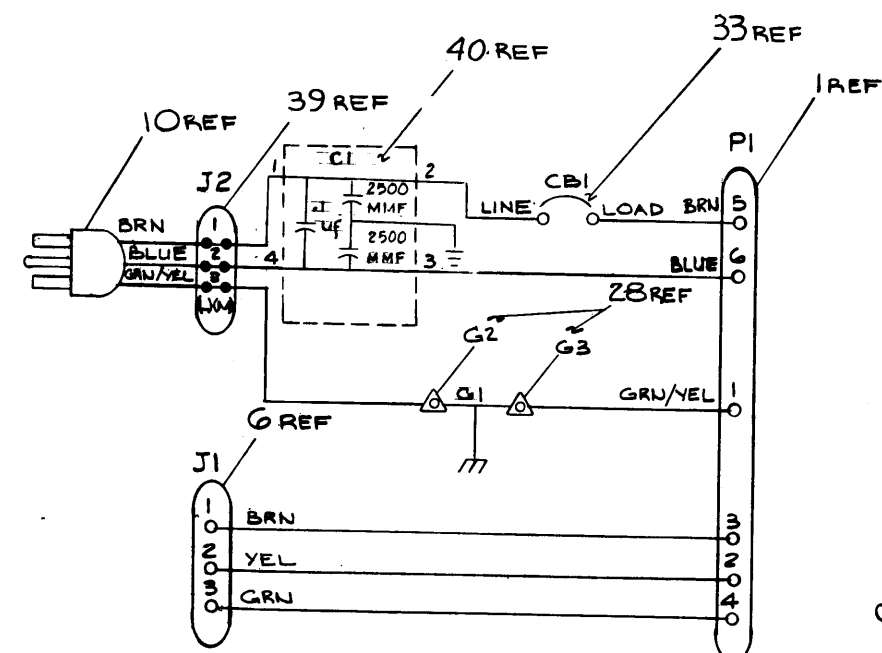
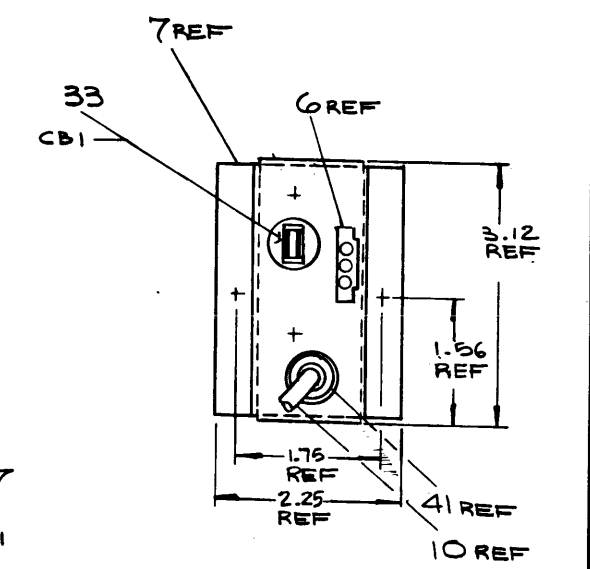
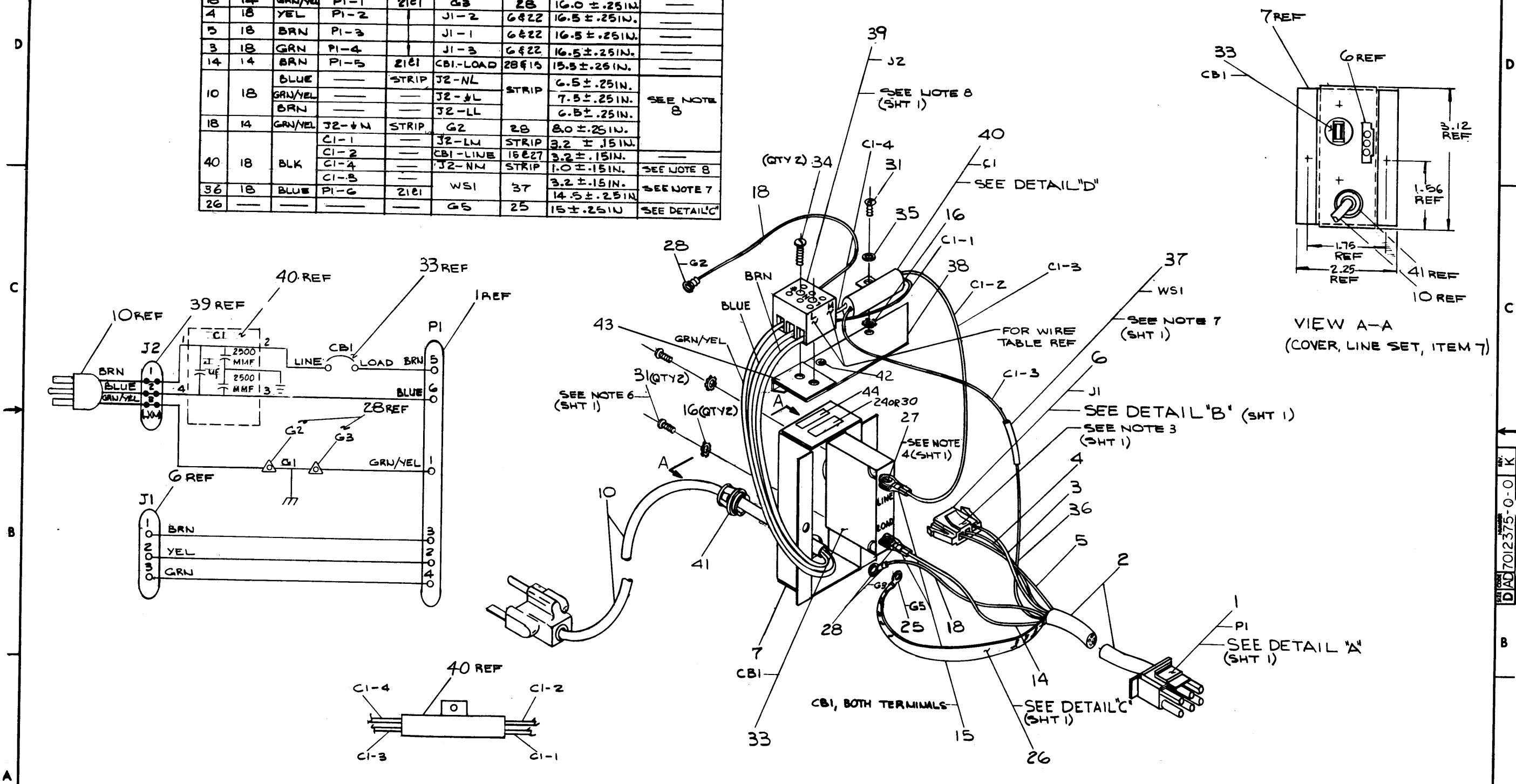
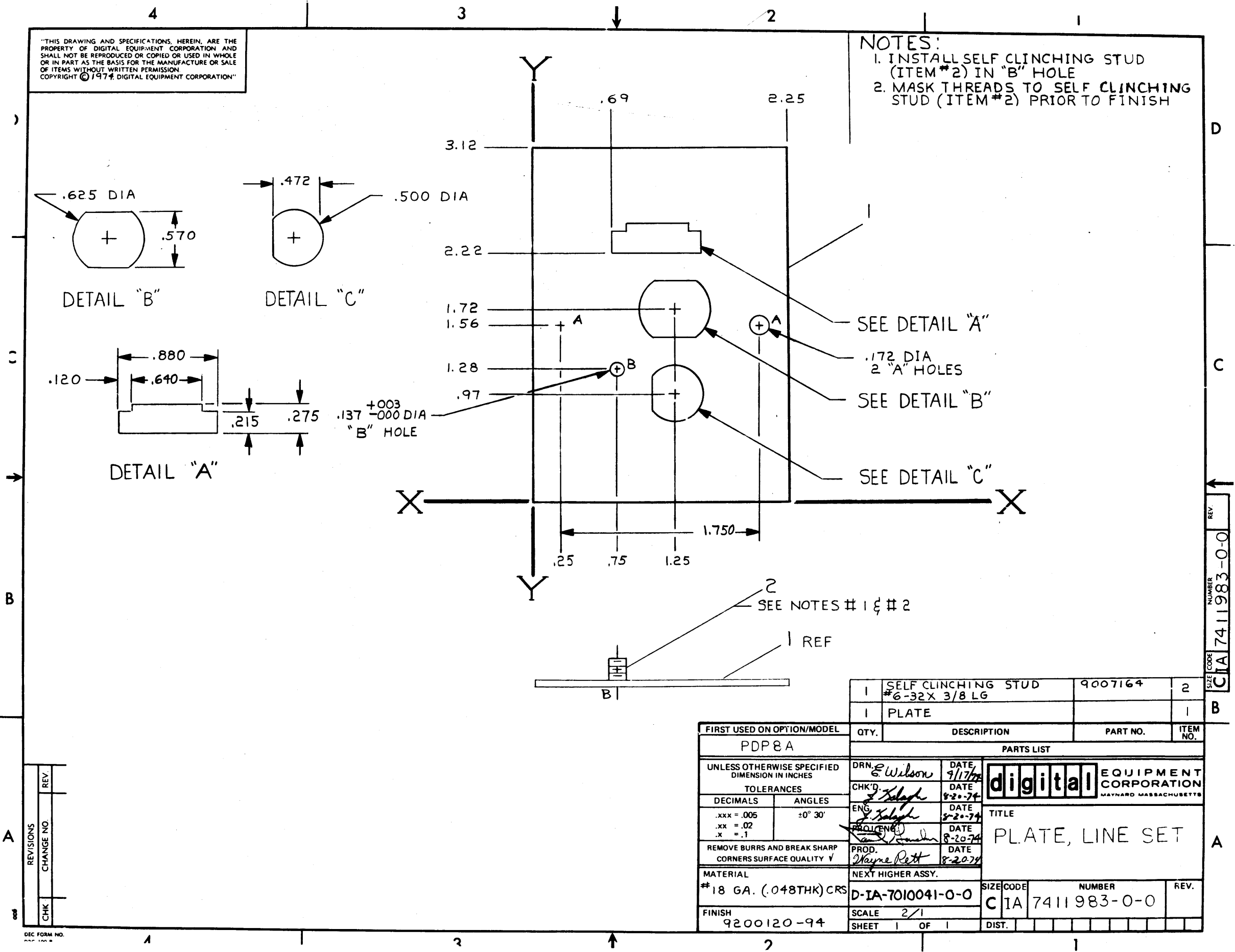


ILLUSTRATION 2

| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

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NOTES:
 1. INSTALL SELF CLINCHING STUD (ITEM #2) IN "B" HOLE
 2. MASK THREADS TO SELF CLINCHING STUD (ITEM #2) PRIOR TO FINISH



SIZE CODE
 C IA 7411983-0-0
 NUMBER
 REV.

| | | | |
|---|-----------------------------------|---------|---|
| 1 | SELF CLINCHING STUD #6-32X 3/8 LG | 9007164 | 2 |
| 1 | PLATE | | 1 |

| | | | |
|--|-----------------------------|---------------------|---|
| FIRST USED ON OPTION/MODEL | | PDP 8 A | |
| UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES | DRN. <i>E. Wilson</i> | DATE <i>9/17/74</i> | digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS TITLE PLATE, LINE SET |
| TOLERANCES | CHK'D. <i>J. Selph</i> | DATE <i>8-20-74</i> | |
| DECIMALS .xxx = .005 | ENG. <i>J. Selph</i> | DATE <i>8-20-74</i> | |
| ANGLES ±0° 30' | PROJ. ENG. <i>W. L. ...</i> | DATE <i>8-20-74</i> | |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY 1 | PROD. <i>Wayne Pett</i> | DATE <i>8-20-74</i> | |
| MATERIAL #18 GA. (.048THK) CRS | NEXT HIGHER ASSY. | | |
| FINISH 9200120-94 | SCALE 2/1 | SIZE CODE C IA | NUMBER 7411983-0-0 |
| | SHEET 1 OF 1 | DIST. | REV. |

| | |
|------|------------|
| REV. | CHANGE NO. |
| | |
| CHK | |

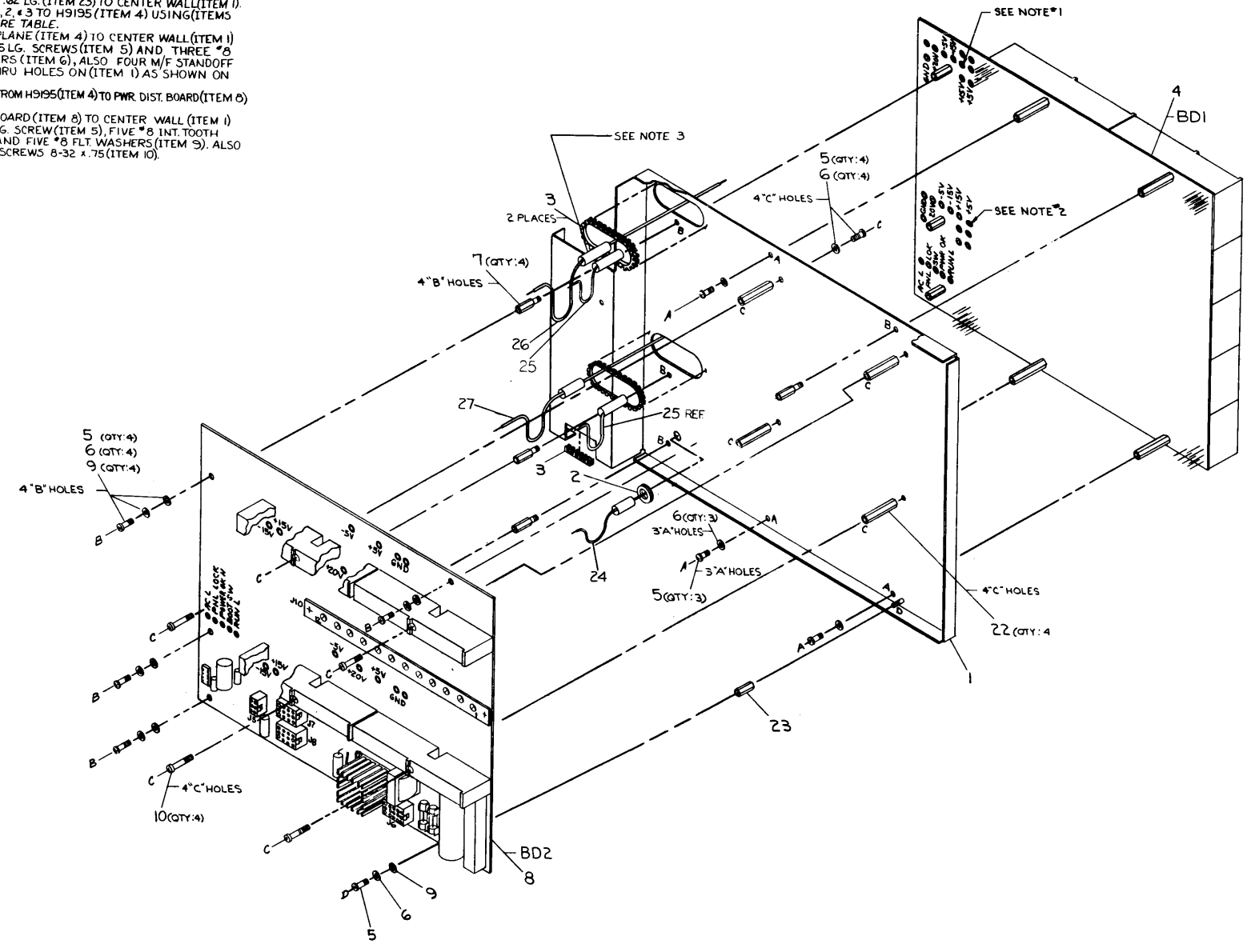
DEC FORM NO. 1

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| WIRE TABLE | | | | | | | | |
|------------|-----|-------|-------------|------|-------------|------|------|---------|
| ITEM NO. | AWG | COLOR | FROM | WITH | CONN | TO | WITH | REMARKS |
| 22 | 22 | YEL | BD1/AC LO | SOLD | BD2/AC LO | SOLD | | |
| 22 | 22 | VIO | BD1/PNL LOK | SOLD | BD2/PNL LOK | SOLD | | |
| 24 | 22 | WHT | BD1/SW | SOLD | BD2/SW | SOLD | | |
| 22 | 22 | GRY | BD1/PWR OK | SOLD | BD2/PWR OK | SOLD | | |
| 22 | 22 | BRN | BD1/RUN L | SOLD | BD2/RUN L | SOLD | | |
| 12 | 12 | BLK | BD1/GND | SOLD | BD2/GND | SOLD | | |
| 12 | 12 | BLK | BD1/GND | SOLD | BD2/GND | SOLD | | |
| 25 | 12 | RED | BD1/+5V | SOLD | BD2/+5V | SOLD | | |
| 14 | 14 | GRN | BD1/-5V | SOLD | BD2/-5V | SOLD | | |
| 14 | 14 | ORN | BD1/+15V | SOLD | BD2/+15V | SOLD | | |
| 26 | 14 | YEL | BD1/+20V | SOLD | BD2/+20V | SOLD | | |
| 14 | 14 | BLU | BD1/-15V | SOLD | BD2/-15V | SOLD | | |
| 14 | 14 | ORN | BD1/+15V | SOLD | BD2/+15V | SOLD | | |
| 27 | 14 | BLU | BD1/-15V | SOLD | BD2/-15V | SOLD | | |

- NOTES:**
- UTILIZE CENTER TERMINALS FOR WIRE CONNECTIONS.
 - UTILIZE TOP TERMINALS FOR WIRE CONNECTIONS.
 - ADJUST SLEEVING ON ITEMS 24, 25, 26 & 27 TO PROTECT WIRES FROM PINS AND COMPONENT LEADS.

- ASSEMBLY INSTRUCTIONS**
- ATTACH ROUND GROMMET (ITEM 2) TO CENTER WALL (ITEM 1).
 - ATTACH CATERPILLAR GROMMET (3 PLACES) (ITEM 3) TO CENTER WALL (ITEM 1).
 - ASSEMBLE SPACER 8-32 x 1.25 LG. (ITEM 22 QTY. 4) TO CENTER WALL (ITEM 1) USING 8-32 x .25 LG. SCREW (ITEM 5) AND #8 INT. TOOTH LOCKWASHER (ITEM 6).
 - ASSEMBLE SPACER 8-32 x .62 LG. (ITEM 23) TO CENTER WALL (ITEM 1).
 - SOLDER WIRES GROUP 1, 2, & 3 TO H9195 (ITEM 4) USING (ITEMS 11 THRU 21) REFER TO WIRE TABLE.
 - ASSEMBLE H9195 BACKPLANE (ITEM 4) TO CENTER WALL (ITEM 1) USING THREE 8-32 x .25 LG. SCREWS (ITEM 5) AND THREE #8 INT. TOOTH LOCKWASHERS (ITEM 6), ALSO FOUR M/F STANDOFF (ITEM 7) FEED WIRES THRU HOLES ON (ITEM 1) AS SHOWN ON DWG.
 - SOLDER ITEMS 24, 25, 26 & 27 FROM H9195 (ITEM 4) TO PWR. DIST. BOARD (ITEM 8) REFER TO WIRE TABLE.
 - ASSEMBLE PWR. DIST BOARD (ITEM 8) TO CENTER WALL (ITEM 1) USING FIVE 8-32 x .25 LG. SCREW (ITEM 5), FIVE #8 INT. TOOTH LOCKWASHER (ITEM 6) AND FIVE #8 FLT. WASHERS (ITEM 9), ALSO USE FOUR POST-DRIVE SCREWS 8-32 x .75 (ITEM 10).



| ITEM NO. | DESCRIPTION | QTY. | PART NO. | ITEM NO. |
|----------|-------------------------------------|------|------------------|----------|
| 1 | H9195-5412000 PWR. HARN #3 | 1 | D-1A-7015781-0-0 | 27 |
| 1 | H9195-5412000 PWR. HARN #2 | 1 | D-1A-7013780-0-0 | 26 |
| 2 | H9195-5412000 PWR. HARN #1 | 1 | D-1A-7013779-0-0 | 25 |
| 1 | H9195-5412000 SIG. HARN | 1 | D-1A-7013782-0-0 | 24 |
| 1 | SPACER #8-32 x .62 LG. | 1 | 9009429-0-0 | 23 |
| 4 | SPACER #8-32 x 1.25 LG. | 4 | 9009403-0-0 | 22 |
| 1 | WIRE #22 CAL. STRD. 1/4 IN. (GRN) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #22 CAL. STRD. 1/4 IN. (VIO) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #22 CAL. STRD. 1/4 IN. (WHT) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #22 CAL. STRD. 1/4 IN. (GRY) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #22 CAL. STRD. 1/4 IN. (BRN) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #12 CAL. STRD. 1/4 IN. (BLK) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #12 CAL. STRD. 1/4 IN. (BLK) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #12 CAL. STRD. 1/4 IN. (RED) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #14 CAL. STRD. 1/4 IN. (GRN) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #14 CAL. STRD. 1/4 IN. (ORN) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #14 CAL. STRD. 1/4 IN. (YEL) | 1 | 9101380-0-0 | 22 |
| 1 | WIRE #14 CAL. STRD. 1/4 IN. (BLU) | 1 | 9101380-0-0 | 22 |
| 4 | SCR. FIL. HD. POST-DRIVE 8-32 x .75 | 4 | 9008192-0-0 | 10 |
| 5 | WASHER #8 FLT. | 5 | 9006660-0-0 | 9 |
| 1 | BOARD. BAB-C PWR. DIST. | 1 | D-AD-5412000-0-0 | 8 |
| 4 | STANDOFF. HEX. M/F #8-32 | 4 | 9000001-0-1 | 7 |
| 12 | WASHER #8 INT. TOOTH LOCK | 12 | 9006634-0-0 | 6 |
| 12 | SCR. PHL. PAN. HD #8-32 x .25 LG. | 12 | 9006035-0-1 | 5 |
| 1 | BACKPLANE. 20 SLOT | 1 | D-AD-H9195-8-0 | 4 |
| 1 | GROMMET. CATERPILLAR | 1 | 9007036-0-0 | 3 |
| 1 | GROMMET. ROUND | 1 | 9007017-0-0 | 2 |
| 1 | WALL. CENTER | 1 | E-1A-7415101-0-0 | 1 |

| REV. | DATE | BY | CHKD. | DESCRIPTION |
|------|----------|-------|-------|-------------|
| 1 | 10/25/56 | COODI | A | REV. 1 |
| 2 | 11/12/56 | WIZNA | A | REV. 2 |
| 3 | 10/25/56 | WIZNA | A | REV. 3 |
| 4 | 11/12/56 | WIZNA | A | REV. 4 |
| 5 | 11/12/56 | WIZNA | A | REV. 5 |
| 6 | 11/12/56 | WIZNA | A | REV. 6 |
| 7 | 11/12/56 | WIZNA | A | REV. 7 |
| 8 | 11/12/56 | WIZNA | A | REV. 8 |
| 9 | 11/12/56 | WIZNA | A | REV. 9 |
| 10 | 11/12/56 | WIZNA | A | REV. 10 |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

| ANGLE | CLASS OF ACCURACY | FORMAL DIMENSIONS | FINISH |
|-------|-------------------|-------------------|--------|
| 30° | 1 | 1.00 | 1.00 |
| 45° | 2 | 1.00 | 1.00 |
| 60° | 3 | 1.00 | 1.00 |
| 75° | 4 | 1.00 | 1.00 |
| 90° | 5 | 1.00 | 1.00 |
| 105° | 6 | 1.00 | 1.00 |
| 120° | 7 | 1.00 | 1.00 |
| 135° | 8 | 1.00 | 1.00 |
| 150° | 9 | 1.00 | 1.00 |
| 165° | 10 | 1.00 | 1.00 |
| 180° | 11 | 1.00 | 1.00 |

THIRD ANGLE PROJECTION

DRW. BY: [Signature] DATE: 11/12/56

CHKD. BY: [Signature] DATE: 11/12/56

ENGR. BY: [Signature] DATE: 11/12/56

PROJ. ENG. BY: [Signature] DATE: 11/12/56

PROD. BY: [Signature] DATE: 11/12/56

DO NOT SCALE DWG.

NEXT HIGHER ASSY.:

MATERIAL: SEE PARTS LIST

SCALE: 1" = 1"

SIZE: 8.5" x 11"

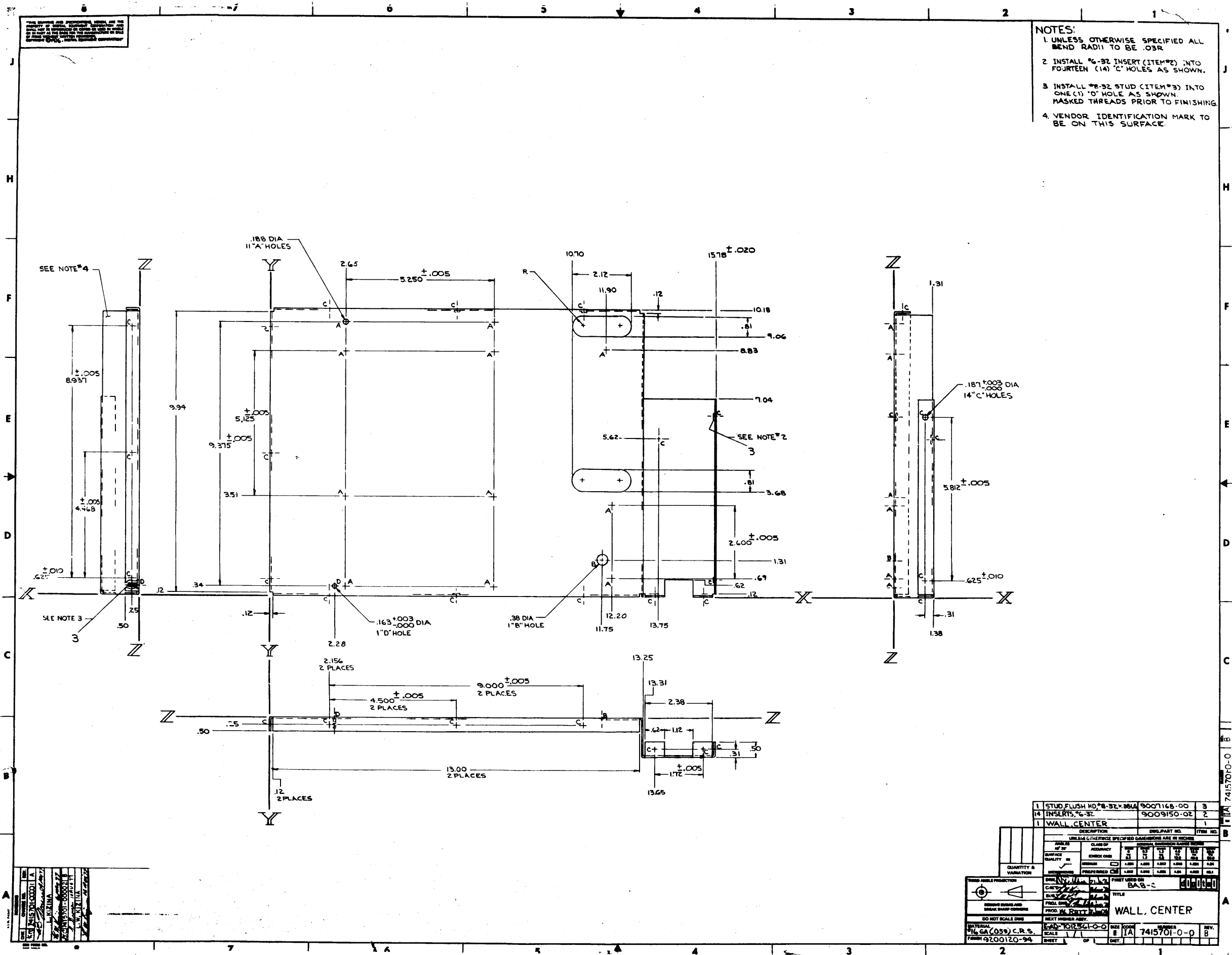
NUMBER: 7012361-0-0

REV. B

SHEET 1 OF 1

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- NOTES:**
- UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R
 - INSTALL #6-32 INSERT (ITEM#2) INTO FOURTEEN (14) "C" HOLES AS SHOWN.
 - INSTALL #8-32 STUD (ITEM#3) INTO ONE (1) "D" HOLE AS SHOWN. MASKED THREADS PRIOR TO FINISHING.
 - VENDOR IDENTIFICATION MARK TO BE ON THIS SURFACE.



| | | | |
|----|----------------------------|------------|---|
| 1 | STUD FLUSH HD #8-32 X .864 | 9007168-00 | 3 |
| 14 | INSERTS #6-32 | 9009150-02 | 2 |
| 1 | WALL CENTER | | 1 |

| | | | | | | | | | | | | | | | | | | | |
|---|-------------------|---|-----------|--|---|-------------|-------------|------|----------|----|-------------------|------------|-------------|------|----------|---------|-------------------|-------|------------|
| <table border="1"> <tr> <td>QUANTITY</td> <td>1</td> </tr> <tr> <td>VARIATION</td> <td></td> </tr> </table> | QUANTITY | 1 | VARIATION | | <table border="1"> <tr> <td>DESCRIPTION</td> <td>WALL CENTER</td> </tr> <tr> <td>DATE</td> <td>11/17/94</td> </tr> <tr> <td>BY</td> <td>W. J. [Signature]</td> </tr> <tr> <td>CHECKED BY</td> <td>[Signature]</td> </tr> <tr> <td>DATE</td> <td>11/17/94</td> </tr> <tr> <td>PROJECT</td> <td>W. J. [Signature]</td> </tr> <tr> <td>SCALE</td> <td>1" = 1'-0"</td> </tr> </table> | DESCRIPTION | WALL CENTER | DATE | 11/17/94 | BY | W. J. [Signature] | CHECKED BY | [Signature] | DATE | 11/17/94 | PROJECT | W. J. [Signature] | SCALE | 1" = 1'-0" |
| QUANTITY | 1 | | | | | | | | | | | | | | | | | | |
| VARIATION | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION | WALL CENTER | | | | | | | | | | | | | | | | | | |
| DATE | 11/17/94 | | | | | | | | | | | | | | | | | | |
| BY | W. J. [Signature] | | | | | | | | | | | | | | | | | | |
| CHECKED BY | [Signature] | | | | | | | | | | | | | | | | | | |
| DATE | 11/17/94 | | | | | | | | | | | | | | | | | | |
| PROJECT | W. J. [Signature] | | | | | | | | | | | | | | | | | | |
| SCALE | 1" = 1'-0" | | | | | | | | | | | | | | | | | | |

7415701-0

| DRAWING NO. | NO. OF SHTS | PART NO. | DESCRIPTION | REVISIONS | | | | | | | | | | | | | | | | | |
|------------------|-------------|----------|-------------------------------|-----------|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| B-MH-5412000-0-6 | 1 | | BA8-C POWER DISTRIBUTION BD. | * | A | B | C | D | E | | | | | | | | | | | | |
| E-UA-5412000-0-0 | 3 | | BA8-C POWER DISTRIBUTION BD. | A | B | C | D | E | F | | | | | | | | | | | | |
| B-PL-5412000-0-0 | 3 | | BA8-C POWER DISTRIBUTION BD. | A | B | C | D | E | F | | | | | | | | | | | | |
| D-CS-5412000-0-1 | 2 | | BA8-C, POWER DISTRIBUTION BD. | A | B | C | D | E | F | | | | | | | | | | | | |
| D-MD-5012001-0-0 | 3 | | ETCH & DRILL DRAWING | A | A | A | A | A | A | | | | | | | | | | | | |
| | | 5012001 | ETCHED BOARD | B | B | B | B | B | B | | | | | | | | | | | | |
| 5412000-0-L | | | P.C. DESIGN DATA BASE | REF | REF | REF | REF | REF | REF | | | | | | | | | | | | |
| 5412000-0-PL | | | INSERTION P/L DATA BASE | REF | REF | REF | REF | REF | REF | | | | | | | | | | | | |

NOTES:

| REVISIONS | DATE | CHG NO. | REV. | ORIG. | A | B | C | D | E |
|-----------|-------|---------|------|-------|-------|---|---|---|---|
| | | | | 9-76 | 00001 | A | | | |
| 1-77 | 00002 | B | | | | | | | |
| 2-77 | 00003 | C | | | | | | | |
| 6-77 | 00004 | D | | | | | | | |
| 8-77 | 00005 | E | | | | | | | |

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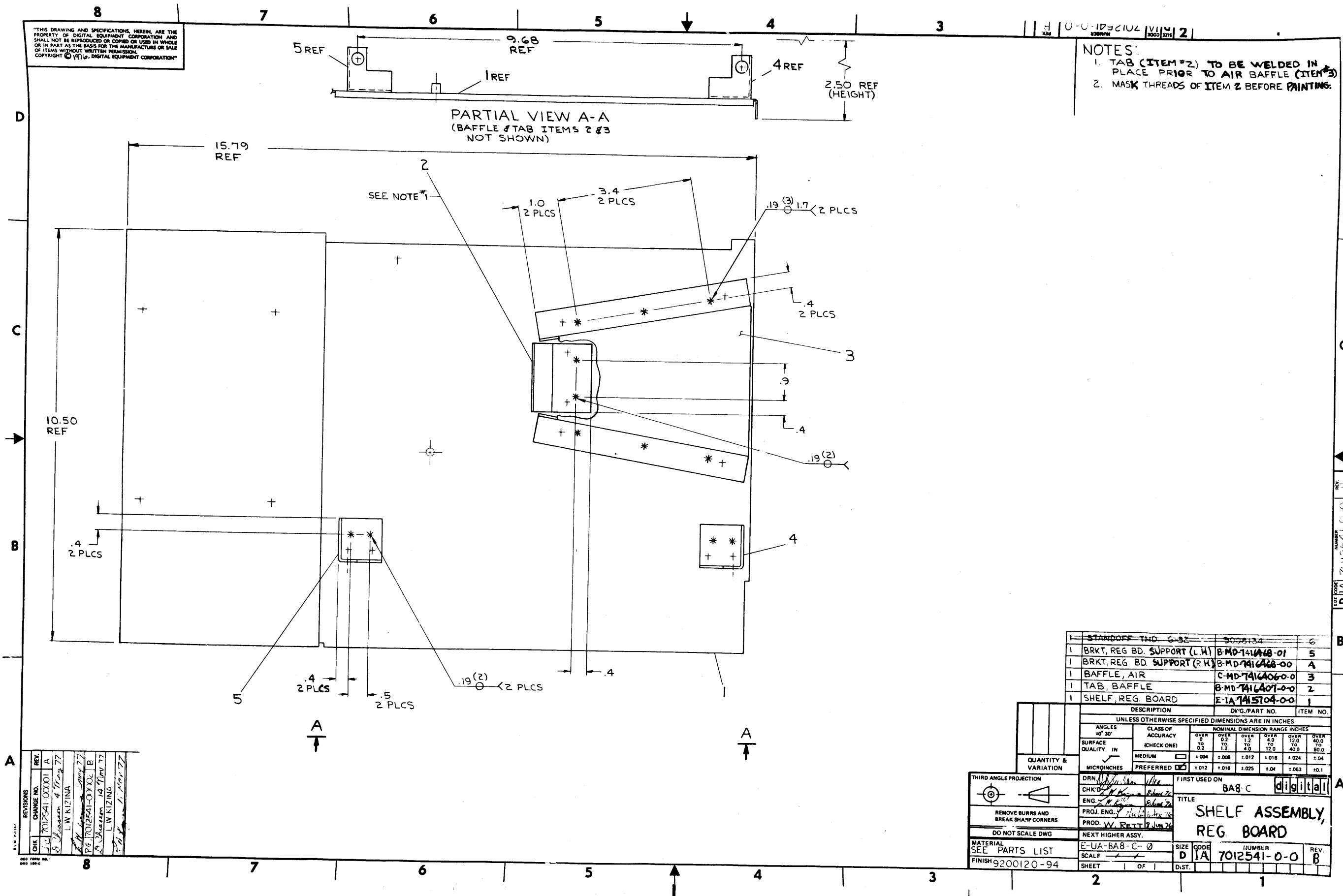


| | | | |
|----------------------|-------|---------------------|-----------|
| USED ON OPTION/MODEL | DRN. | R. KOPPENAL | 4-1-76 |
| | CHK'D | <i>R. Koppenal</i> | 6-11-76 |
| | ENG. | <i>Larry Nester</i> | 11 JUN 76 |
| | PROD. | | |

| | |
|-----------|--------------------------------|
| TITLE | BA8-C POWER DISTRIBUTION BOARD |
| SIZE CODE | B DD |
| NUMBER | 5412000-0 |
| REV. | E |
| SHEET | 1 OF 1 |

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NOTES:
 1. TAB (ITEM #2) TO BE WELDED IN PLACE PRIOR TO AIR BAFFLE (ITEM #3)
 2. MASK THREADS OF ITEM 2 BEFORE PAINTING.



| REV. | CHANGE NO. | DATE | BY | CHK |
|------|---------------|------|-----------|-----------|
| 1 | 7012541-00001 | 77 | W. KIZINA | W. KIZINA |
| 2 | 7012541-00002 | 77 | W. KIZINA | W. KIZINA |
| 3 | 7012541-00003 | 77 | W. KIZINA | W. KIZINA |
| 4 | 7012541-00004 | 77 | W. KIZINA | W. KIZINA |

| ITEM NO. | DESCRIPTION | DWG. PART NO. | ITEM NO. |
|----------|-----------------------------|-----------------|----------|
| 1 | BRKT, REG BD SUPPORT (L.H.) | B-MD-741646-01 | 5 |
| 1 | BRKT, REG BD SUPPORT (R.H.) | B-MD-741646-00 | 4 |
| 1 | BAFFLE, AIR | C-MD-741646-00 | 3 |
| 1 | TAB, BAFFLE | B-MD-741646-00 | 2 |
| 1 | SHELF, REG BOARD | E-1A-7415104-00 | 1 |

| ANGLES | | CLASS OF ACCURACY | | NOMINAL DIMENSION RANGE INCHES | | | | | |
|-----------------|-----|-------------------|---|--------------------------------|-----------------|-----------------|------------------|-------------------|-------------------|
| 20° | 30° | 1 | 2 | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| | | | | ±.004 | ±.008 | ±.012 | ±.018 | ±.024 | ±.04 |
| SURFACE QUALITY | | MEDIUM | | PREFERRED | | | | | |
| | | | | ±.012 | ±.018 | ±.025 | ±.04 | ±.063 | ±.1 |

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH 9200120-94

DRN. *[Signature]*

CHK. *[Signature]*

ENG. *[Signature]*

PROJ. ENG. *[Signature]*

PROD. *[Signature]*

NEXT HIGHER ASSY.

E-UA-BA8-C-0

SCALE

SHEET 1 OF 1

DIST.

FIRST USED ON

BA8-C

TITLE SHELF ASSEMBLY, REG BOARD

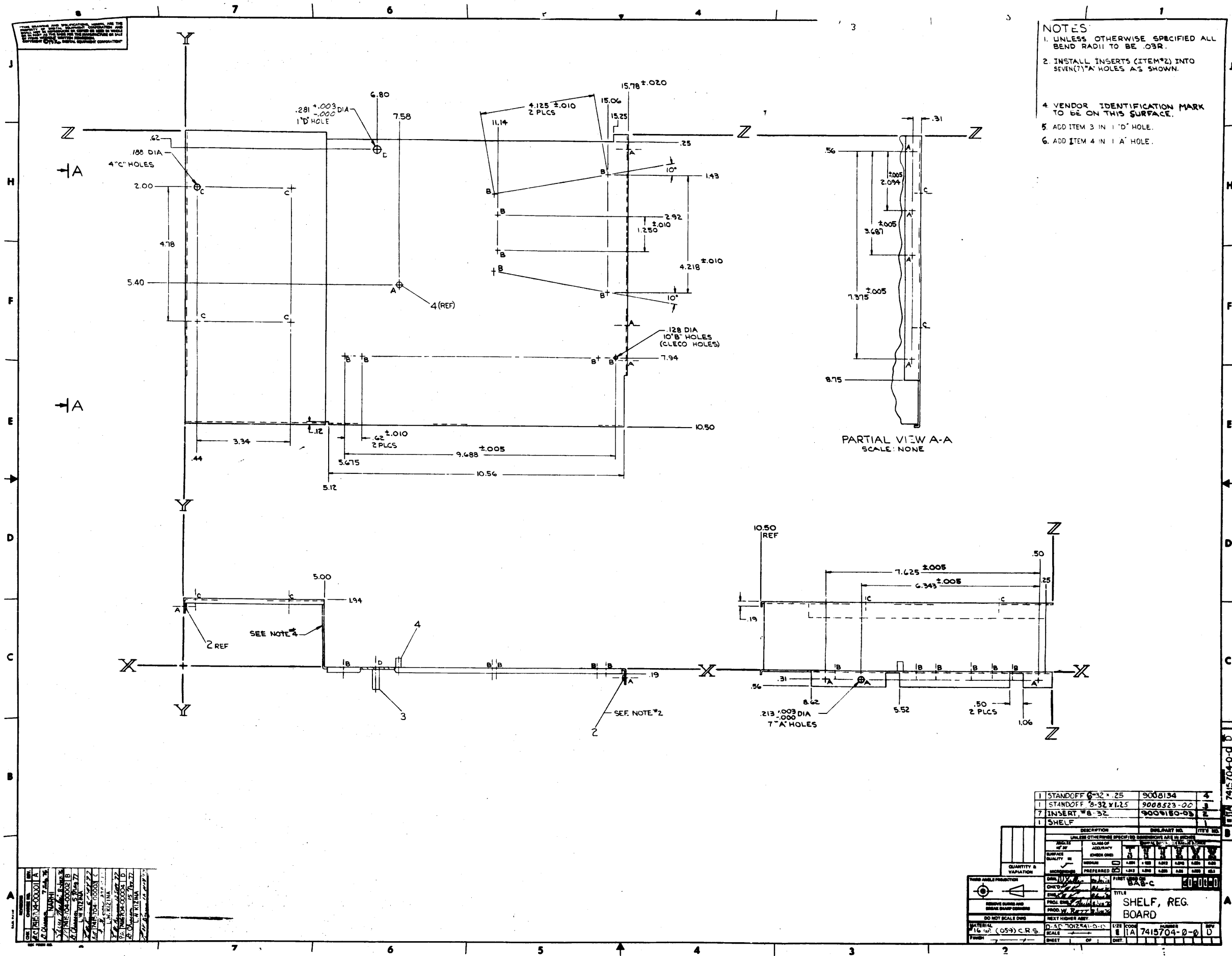
SIZE CODE D IA

NUMBER 7012541-0-0

REV. B

NUMBER 7012541-0-0
 SIZE CODE D IA
 REV. B

FOR DIMENSIONS AND SPECIFICATIONS, REFER TO THE DRAWING OF THE PART OR THE DRAWING OF THE ASSEMBLY TO WHICH THIS DRAWING IS REFERENCED. THE DIMENSIONS SHOWN ON THIS DRAWING ARE THE DIMENSIONS OF THE PART AS MANUFACTURED.



- NOTES**
- UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R.
 - INSTALL INSERTS (ITEM #2) INTO SEVEN (7) 1\"/>

PARTIAL VIEW A-A
SCALE: NONE

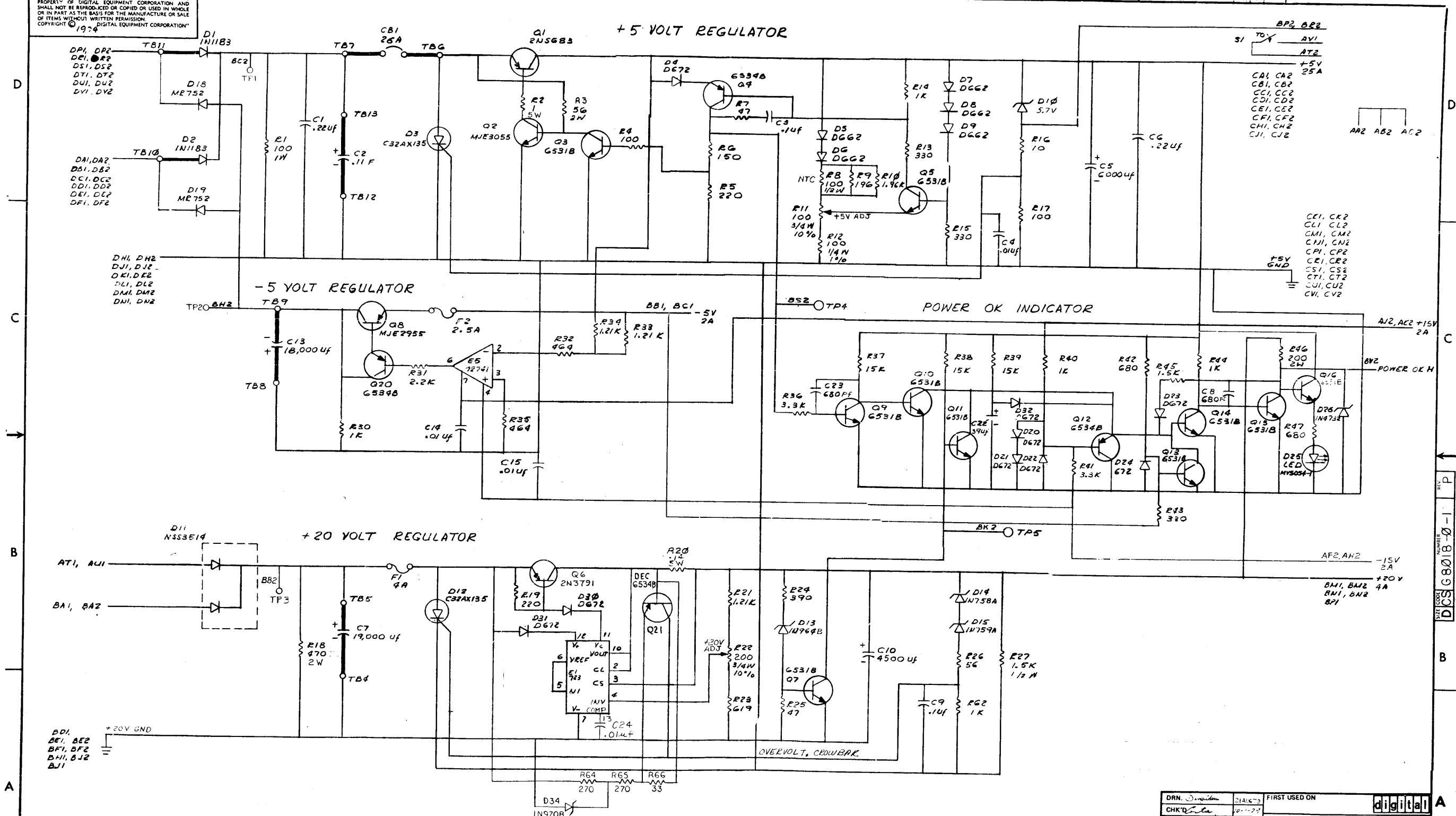
| | | | |
|---|----------------------|------------|---|
| 1 | STANDOFF 6-32 x .25 | 9008134 | 4 |
| 1 | STANDOFF 8-32 x 1.15 | 9008523-00 | 3 |
| 7 | INSERT #8-32 | 9009160-03 | 2 |
| 1 | SHELF | | |

| | | |
|---|-------------------|-----------|
| DESCRIPTION | DIS. PART NO. | ITEM NO. |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| QUANTITY & VARIATION | CLASS OF ACCURACY | FINISH |
| QUANTITY | CHECK ONE | FINISH |
| VARIATION | PREFERRED | FINISH |
| DO NOT SCALE DIMS | NEXT HIGHER ASBY. | |
| MATERIAL | SCALE | SIZE CODE |
| FINISH | OF | CHIT |

TITLE: SHELF, REG. BOARD
PART NO: 7415704-0-0

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1-0-91089 2



| REVISIONS | | |
|-----------|-------------------------|-----|
| CHK | CHANGE NO. | REV |
| - | REVISED & RE-DRAWN MLOK | N |

| | | |
|--------------------------|--------------|-------------------------------|
| DRN. <i>Smiley</i> | DATE 10-1-74 | FIRST USED ON |
| CHK'D. <i>Smiley</i> | DATE 10-1-74 | |
| ENG. <i>Smiley</i> | DATE 10-1-74 | TITLE REGULATOR BOARD 8A CORE |
| PROJ. ENG. <i>Smiley</i> | DATE 10-1-74 | |
| PROD. <i>Smiley</i> | DATE 10-1-74 | |
| NEXT HIGHER ASSY. | | |
| SCALE | SIZE CODE | NUMBER |
| SHEET 1 OF 2 | D | CS G8018-C-1 |
| | DIST. | REV. P |

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8

7

6

5

4

3

REV. 1 1000 130013215

AL1, AL2

MDA 970-3
DIG

± 15 VOLTS

AM1, AM2

± 15V GND
AM1, AM2
AP1, AP2
RE1

TB3

TB1

TB2

AL2, AK2 +15V
2A

+5V
GND

AF2, AH2 -15V
2A

CE1, CE2 CL1, CL2
CM1, CM2 CN1, CN2
CP1, CP2 CE1, CE2
CS1, CS2 CT1, CT2
CU1, CU2 CV1, CV2

AC LOW INDICATOR

AC LEVEL AV2

AC OFF BU2
D17
DG72

R51
330
1/2W

R48
333

R49
500DMM

R50
464

R56
4.7K

CE1
.22

E2
72741

C17
.01uF

Q17
G531B

C20
.11uF

E3
7412
4/S
MS

W1
"60HZ"

W2
"50HZ"

E29
1.21K

E28
19.7K

C16
.01uF

R52
511

R53
"UP"
5K

R54
330

R55
1K

R57
12.1K
1%

(AC LOW FREQ. SELECT)

D29
DG72

D28
DG72

+5
R67
1K44W

C25
22

D35
D672

D48
7474
AC
OK

E4

+5V CA1, CA2, CB1, CB2, CC1, CC2, CE1, CE2,
CE1, CE2, CF1, CF2, CH1, CH2, CJ1, CJ2.

BY2 POWER OK H

Q19
G531B

Q18
G531B

W3 AR2 AC LOW L
(REMOVE TO DISABLE AC LOW OUTPUT)

| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

TITLE REGULATOR BOARD
8A CORE
SCALE SHEET 2 OF 2
NUMBER DCS 68018-0-1
REV. 1

REV. 1
DCS 68018-0-1
P

8

7

6

5

4

3

2

1

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| DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS | | | | | | |
|---|-------------|--------|--------------|---------------|-------------|-----------|
| ENGINEERING SPECIFICATION | | | | DATE 12/30/74 | | |
| TITLE G8018 REGULATOR BOARD | | | | | | |
| REVISIONS | | | | | | |
| REV | DESCRIPTION | CHG NO | ORIG | DATE | APPD BY | DATE |
| A | ECO G8018 | ML012 | Don Freniere | 2-Sep-80 | D.F. / N.K. | 15 OCT 80 |

| | | | | | |
|---------------|-----------------------|--------|---------|------------------|-------|
| ENG Al DeLuca | APPD <i>Al DeLuca</i> | SIZE A | CODE SP | NUMBER G8018-0-8 | REV A |
|---------------|-----------------------|--------|---------|------------------|-------|

SHEET 1 OF 12

DEC FORM NO DRA 107A

| ENGINEERING SPECIFICATION | | | | CONTINUATION SHEET | | |
|--------------------------------|--|--|--|--------------------|--|--|
| TITLE G8018 REGULATOR BOARD | | | | | | |
| TABLE OF CONTENTS | | | | | | |
| 1.0 General Description | | | | | | |
| 1.1 Mechanical Configuration | | | | | | |
| 1.2 Electrical Configuration | | | | | | |
| 2.0 Electrical Specifications | | | | | | |
| 2.1 Input | | | | | | |
| 2.2 Output | | | | | | |
| 3.0 Environmental and Physical | | | | | | |
| 4.0 Quality Assurance | | | | | | |
| 4.1 Components Derating | | | | | | |

| | | | |
|--------|---------|------------------|-------|
| SIZE A | CODE SP | NUMBER G8018-0-8 | REV A |
|--------|---------|------------------|-------|

SHEET 2 OF 12

DEC FORM NO DRA 108

| ENGINEERING SPECIFICATION | | | | CONTINUATION SHEET | | |
|---|--|--|--|--------------------|--|--|
| TITLE G8018 REGULATOR BOARD | | | | | | |
| 1.0 General Description | | | | | | |
| <p>The power supply of which the G8018 Regulator is a part provides voltages of +5, +15 and +20 volts. A ferro-resonant transformer provides the basic regulation for +5 and +20 volts and the total regulation for +15 volts. A series regulator is used to provide the final regulation of +5 and +20 volts. Power OK and AC low are also provided.</p> | | | | | | |
| 1.1 Mechanical Configuration | | | | | | |
| <p>The G8018 is built on a quad module as shown in Figure 1. The DC outputs and the AC inputs are via the board edge fingers utilizing multiple connections to handle the necessary current (no more than two amps per pin).</p> | | | | | | |
| 1.2 Electrical Configuration | | | | | | |
| <p>Figure 2 is a block diagram of the power supply.</p> <p><u>AC Low</u></p> <p>The primary (Example: 115V) AC powers two separate transformers, neither of which resides on the G8018 module. Refer to the H9194 power assembly. The linear transformer secondary output provides a true proportional measure of the AC line voltage unaffected by the load on the power supply. Its output is rectified and fed into a differential amplifier having hysteresis. A "low" voltage indication is given at a 95 volt line and a "not low" voltage indication at a 105 volt line in a 115V system. Both of these threshold values are adjustable. This signal is TTL compatible. AC low will sink 50mA (refer to Figures 3 and 4). NOTE: For 220-240 volt systems, a "low" indication is adjusted for 190 volts and a "not low" at 210 volts.</p> <p><u>Regulators</u></p> <p>The second transformer driven by the (115V) AC is a multiple secondary ferro-resonant. The ferro-resonant transformer is used to reduce the power dissipation on the heat sink and to allow lower voltage, smaller capacitors to be used as the regulator input capacitors. The</p> | | | | | | |

| | | | |
|--------|---------|------------------|-------|
| SIZE A | CODE SP | NUMBER G8018-0-8 | REV A |
|--------|---------|------------------|-------|

SHEET 3 OF 12

DEC FORM NO DRA 108

| ENGINEERING SPECIFICATION | | | | CONTINUATION SHEET | | |
|--|--|--|--|--------------------|--|--|
| TITLE G8018 REGULATOR BOARD | | | | | | |
| <p>+5 volt 25 amp regulator is designed using discrete components for its error feedback amplifier. The -5 volt 2 amp and the +20 volt 3.5 amp regulators use I.C.'s as their error feedback amplifiers. The +15 volts, 2 amps each, do not have any regulators other than the ferro-resonant transformer.</p> <p><u>Power OK</u></p> <p>This is an indication that +5 volts in regulation and that all other voltage, -5, +15, -15 and +20 volts are at approximately their normal values. A LED indication, ON, is given if all voltages are good. This LED resides on the G8018 module. This signal, Power OK, goes true (high) approximately 20ms after power on and goes low as the +5 volts goes out of regulation (about 50mV below the +5 volt set voltage), or if any other voltage falls lower than 20% of its normal value. Power OK will source 20mA @ 3V and sink 100mA. (Refer to Figure 4.)</p> <p><u>Current Interrupters</u></p> <p>+5 volts has the only circuit breaker in this power supply. This circuit breaker is tripped by any of the following conditions:</p> <ol style="list-style-type: none"> a. Overvoltage <p>If the +5 volts exceeds $6.0 \pm .3$ volts, an SCR will turn on, which in turn trips the breaker.</p> b. Over Current <p>If the +5 volts exceeds 20.0 ± 2 amps or if +5 volts is shorted to ground, the current carrying capacity of the circuit breaker will be exceeded.</p> c. Board Removal <p>If the G8018 is moved more than 1/8 inch from its full seated position, +5 volts will be connected to pin BR2. This will turn the SCR on.</p> | | | | | | |

| | | | |
|--------|---------|------------------|-------|
| SIZE A | CODE SP | NUMBER G8018-0-8 | REV A |
|--------|---------|------------------|-------|

SHEET 4 OF 12

DEC FORM NO DRA 108

ENGINEERING SPECIFICATION CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

± 15 , -5 and $+20$ volts all have fuses. The $+20$ volt fuse will clear only on an overvoltage condition of $22.5 \pm 1.5V$. The remaining fuses, ± 15 and -5 volts, are for overcurrent protection only.

2.0 Electrical Specification

2.1 Input

Voltage ranges are selected by plugging the appropriate Mate-N-Lock connector into the desired voltage socket on the H9194 backplane assembly. Frequency changes require a different ferro-resonant transformer.

60 Hz DEC Part Number
50 Hz DEC Part Number

Input Voltage (single phase, 2 wire): 90-132 VRMS
180-264 VRMS

Input Frequency: 50 Hz ± 1 Hz or 60 Hz ± 1 Hz

Input Current: 6.2 A RMS @ 90 VAC
3.1 A RMS @ 180 VAC
(Maximum @ full load)

Inrush Current: 100 Amps peak for 5ms (115 VAC)

Input Power: 450 Watts

Input Protection: 8 ASB fuse 90-132 VAC
4 ASB fuse 180-264 VAC

Thermostat: This thermostat does not interrupt the AC input, but instead sends a signal to the H9194 (8A backplane & power control). The H9194 in turn removes the AC power from the 8A and sends a signal out to the main power control (861C). The 861C will then remove the AC power from all devices plugged into its switched receptacles.

| SIZE | CODE | NUMBER | REV |
|------|------|-----------|-----|
| A | SP | G8018-0-8 | A |

ENGINEERING SPECIFICATION CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

2.2 Output

Output parameters are specified at the board output finger connections. Distribution losses should be considered by the user.

2.2.1 +5 Volts

- a. Adjustable from 4.5-5.5 volts
- b. Load range - static 0-25 Amps
- c. Ripple - 25mV p-p (max) @ 25 Amps
- d. Regulation - Line $\pm .1\%$ max.
Dynamic - Output will recover to within 1% of previous value within 20uSec of a 5 amp step change.
Output capacitor ESR = .05 Ω max.
- e. Temperature Coefficient - ± 1.5 mv/°C
- f. Stability - .2%/1000 hrs. after 15 minute warm up.
- g. Overcurrent protection - circuit breaker trip current 32 amps max.
- h. Overvoltage protection - circuit breaker trips at 5.7-6.3 volts.

-5 Volts

- a. Non adjustable - follows +5 volts to within $\pm 2\%$
- b. Load range - static 0-2 amps.
- c. Ripple - 50 mv p-p (max) 2 amps.
- d. Regulation - line $\pm 2\%$ max.
Dynamic - This supply is not designed for dynamic changes. There is no output capacitor. Will recover to within 1% of previous value within 1ms of a .5 amp step change.
- e. Temperature coefficient - ± 1.5 mv/°C
- f. Stability - .4%/1000 hrs. after 15 minute warm up.

| SIZE | CODE | NUMBER | REV |
|------|------|-----------|-----|
| A | SP | G8018-0-8 | A |

ENGINEERING SPECIFICATION CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

- g. Overcurrent protection - 2 $\frac{1}{2}$ amp normal-blo fuse
- h. Overvoltage protection - none

+20 Volts

- a. Adjustable from 18.5-21.5 volts
- b. Load range static - 0-3.5 amps
- c. Ripple - 100mV p-p (max) 3.5 amps
- d. Regulation - line - $\pm 1\%$
Dynamic - output will recover to within 1% of previous value within 20uSec. of a 1 amp step change.
Output capacitor ESR = .11 Ω max.
- e. Temperature coefficient - ± 1 mv/°C.
- f. Stability - .2%/1000 hrs. after 15 minute warm up.
- g. Overcurrent protection - electronically limited to 4 amps.
- h. Overvoltage protection - 4 amp fuse clears at 21-24 volts.

+15 Volts

- a. Non-adjustable
- b. Load range - static 0-2 amps
- c. Ripple - 1 volt p-p (max) 2 amps
- d. Regulation-line & load $\pm 12\%$ -7%
Dynamic - load =
There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.
- e. Overcurrent protection - 2 $\frac{1}{2}$ amps normal blo fuse.
- f. Overvoltage protection - none.

| SIZE | CODE | NUMBER | REV |
|------|------|-----------|-----|
| A | SP | G8018-0-8 | A |

ENGINEERING SPECIFICATION CONTINUATION SHEET

TITLE G8018 REGULATOR BOARD

-15 Volts

- a. Non-adjustable
- b. Load range - static 0-2 amps
- c. Ripple - 1 volt p-p (max) 2 amps
- d. Regulation - line & load $\pm 12\%$ -5%
Dynamic - load =
There is no active regulator for this voltage. The only regulation is that of the ferro-resonant transformer.
- e. Overcurrent protection - 2 $\frac{1}{2}$ amp normal blo fuse
- f. Overvoltage protection - none

3.0 Environmental and Physical

Size - 11" wide x 8 $\frac{1}{2}$ " deep x 4 1/16" high
Side 2 component height = 2 3/4"
Side 1 component height = 1 $\frac{1}{4}$ "

Weight - 7 lbs.

Cooling - 110 CFM fan blowing across heat sink in direction parallel to fins.

Shock - 40 G for 3mSec $\frac{1}{2}$ sine, six orientations (non-operating)

Vibration - 5-50 Hz .004" amplitude
50-500 Hz .0.5 G peak
Sweep 1 octave/min.

Ambient temperature 5 to 50°C operating
-20 to 60°C not operating
(Class C environment)

Humidity - 95% non-condensing, maximum wet bulb 90°F

Altitude - 10,000 feet

| SIZE | CODE | NUMBER | REV |
|------|------|-----------|-----|
| A | SP | G8018-0-8 | A |

TITLE G8018 REGULATOR BOARD

4.0 Quality Assurance

4.1 Components

Maximum temperature rise of wound components shall not exceed 50°C under worst case conditions. Semiconductor junction temperature shall not exceed manufacturer's recommendation for each application and in no case shall the junction temperature exceed 150°C.

5.0 Module Testing

The G8018 Regulator is tested in manufacturing to the parameters within this spec, by the G8016-TA dedicated tester. The tests are performed in accordance to the G8018 diagnostic test document and paper tape operating on the G8016-TA tester.

| | | | |
|------|------|-----------|-----|
| SIZE | CODE | NUMBER | REV |
| A | SP | G8018-0-8 | A |

TITLE G8018 REGULATOR BOARD

MECHANICAL CONFIGURATION

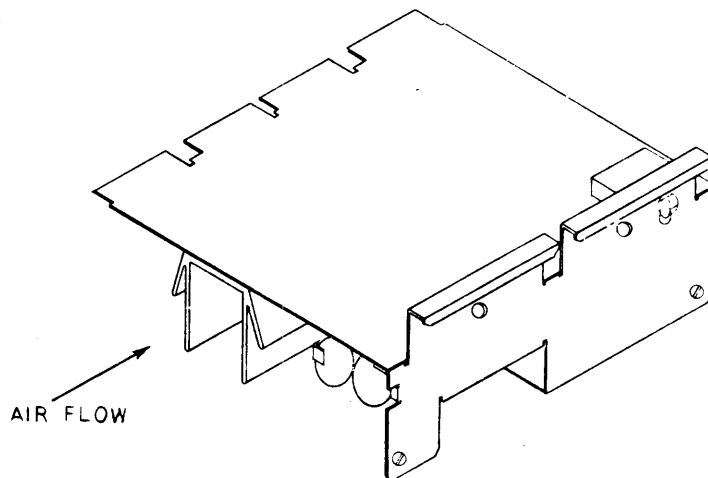


FIGURE 1

| | | | |
|------|------|-----------|-----|
| SIZE | CODE | NUMBER | REV |
| A | SP | G8018-0-8 | A |

TITLE G8018 REGULATOR BOARD

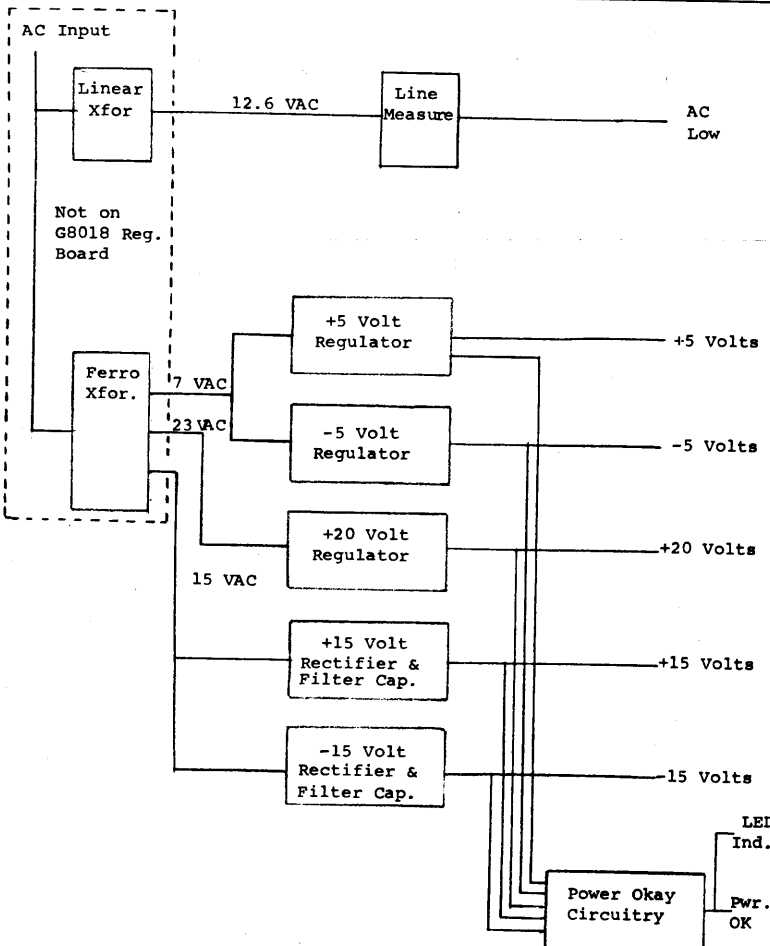
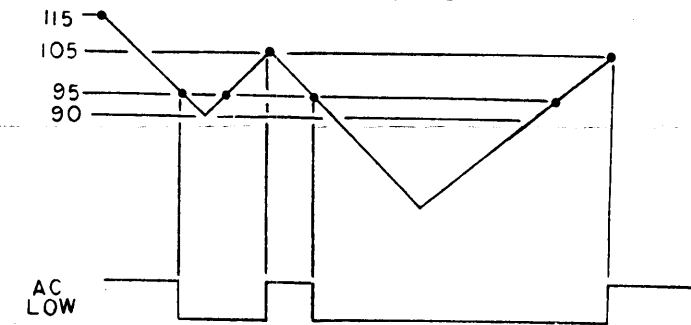


FIGURE 2

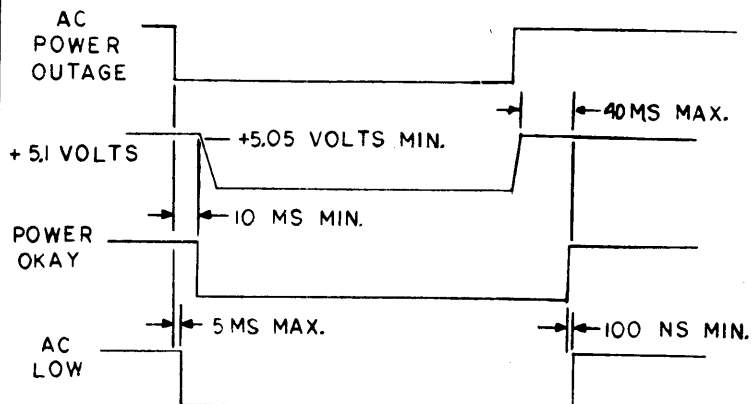
| | | | |
|------|------|-----------|-----|
| SIZE | CODE | NUMBER | REV |
| A | SP | G8018-0-8 | A |

TITLE G8018 REGULATOR BOARD

POWER FAIL SIGNAL
FIGURE 3



AC POWER OUTAGE
FIGURE 4

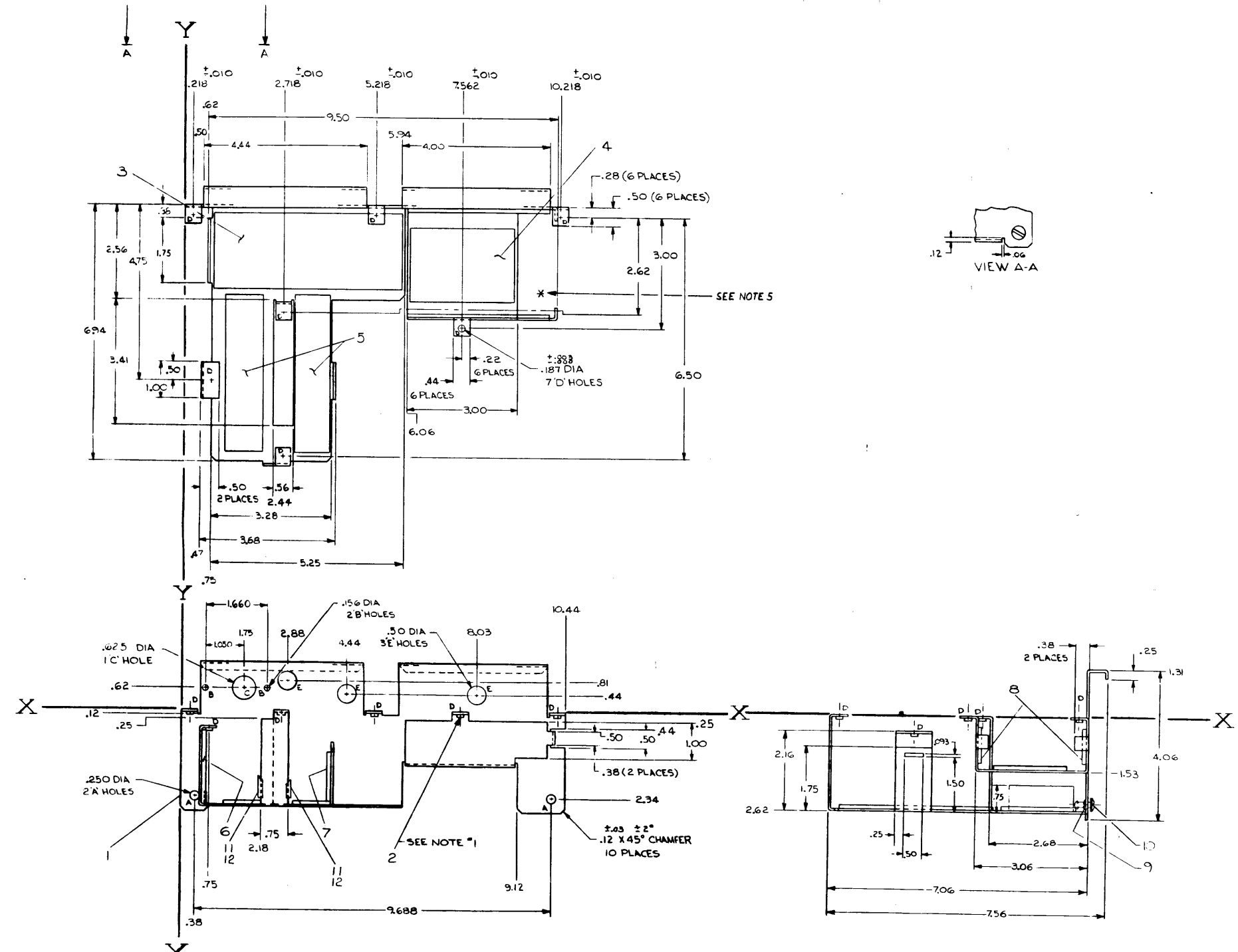


| | | | |
|------|------|-----------|-----|
| SIZE | CODE | NUMBER | REV |
| A | SP | G8018-0-8 | A |

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DO NOT SCALE DRAWING

- NOTES:
1. INSTALL ITEM #2 (INSERTS) INTO 7'D HOLES PRIOR TO BENDING.
 2. ITEMS #3 THRU 10 TO BE INSTALLED AFTER FINISH OF ITEM #1
 3. UNLESS OTHERWISE SPECIFIED ALL BEND RADII TO BE .03R.
 4. IF GROMMET (ITEM #11) IS NOT AVAILABLE PART NO 9008209 MAY BE SUBSTITUTED.
 5. VENDOR I.D. MARK.



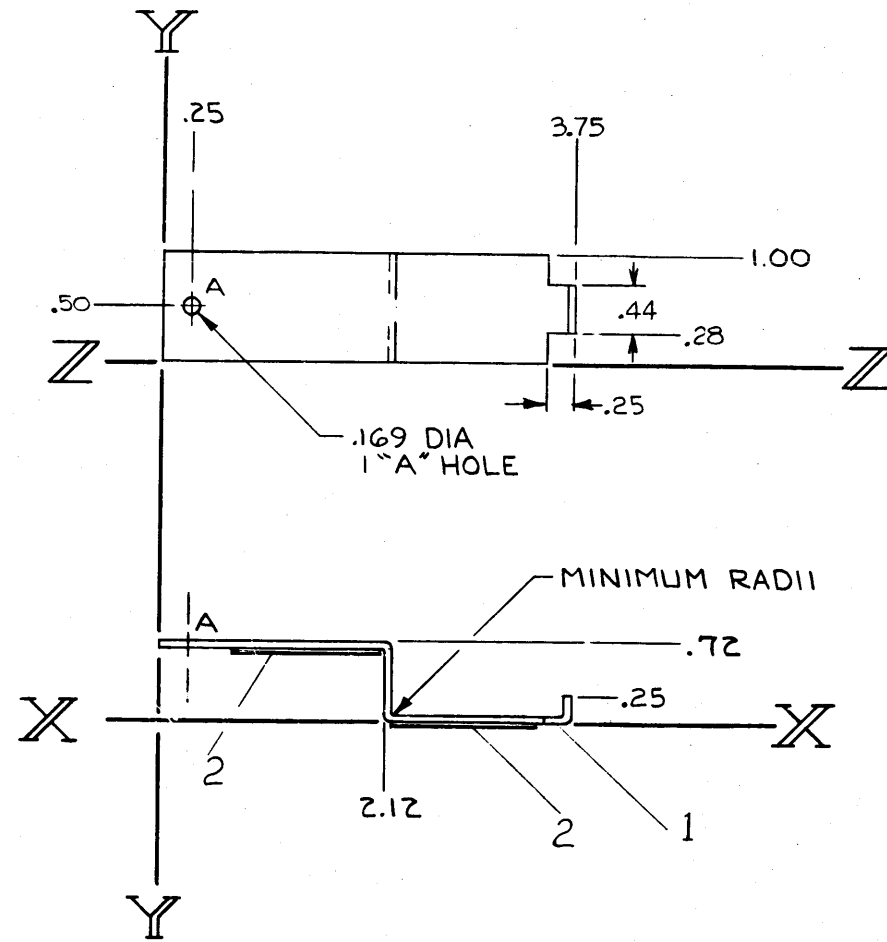
| A/R | ADHESIVE | 9007304 | 12 |
|-----|--------------------|-----------|----|
| 2 | GROMMET 2.31 IN LG | 9007035 | 11 |
| 2 | FASTENER 1/4 TURN | 9008133 | 10 |
| 2 | WASHER RETAINER | 9008200 | 9 |
| 2 | TAPE, 1.0 X 3.87 | 9008228 | 8 |
| 1 | TAPE, 1.0 X 1.97 | 9008228 | 7 |
| 1 | TAPE, 1.0 X 2.00 | 9008228 | 6 |
| 2 | TAPE, 1.0 X 4.25 | 9008228 | 5 |
| 1 | TAPE, 2.10 X 2.87 | 9009087-0 | 4 |
| 1 | TAPE, 2.10 X 3.12 | 9009087-0 | 3 |
| 7 | INSERT PEM #6-32 | 9009170 | 2 |
| 1 | BRACKET | | 1 |

| FIRST USE ON (OPTIONAL) | | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|---------------------------------------|--|-------------------|-------------------|---------------|----------|
| G8018 | | | | | |
| PARTS LIST | | | | | |
| DATE | | DATE | TITLE | | |
| DRAWN | | DATE | BRACKET, REG. BD. | | |
| CHECKED | | DATE | G8018 CORE SUPPLY | | |
| UNLESS OTHERWISE SPECIFIED | | MATERIAL | | | |
| DIMENSIONS IN INCHES | | 15 GA. 0251CRS | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | FINISH 9200120-94 | | | |
| MATERIAL | | D-CG-G8018-0-1 | | REV. | |
| FINISH | | SCALE 1/1 | | E 1A 74324100 | |
| PRODUCTION | | SHEET 1 OF 1 | | REV. D | |

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DO NOT SCALE DRAWING

NOTE
1. TAPE (ITEM #2) TO BE INSTALLED AFTER FINISH OF CLAMP (ITEM #1).



| REV. | CHANGE NO. | REV. |
|------------------------|---------------|------|
| A | 7413208-00001 | A |
| J. KALAGHER 5-18-75 | | |

| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|------------------------|----------|----------|
| 2 | TAPE 1.0IN X 1.38IN LG | 9008228 | 2 |
| 1 | CLAMP | | 1 |

| | | | | | |
|---|--|-------------------|--------------------|----------|--|
| FIRST USED ON OPTION/MODEL G8Ø18 | | | PARTS LIST | | |
| DIMENSIONAL TOLERANCE | | | TITLE | | |
| DIMENSIONS ARE MILLIMETERS INCHES UNLESS OTHERWISE SPECIFIED | | | digital | | |
| MILLIMETERS | INCHES | ANGLES | DRG. | DATE | |
| X.XX ±0.10 | .XXX ±.006 | ±0° 30' | <i>D. Sullivan</i> | 12-17-74 | |
| X.X ±0.5 | .XX ±.02 | | CHK'D. | DATE | |
| X ±.2 | .X ±.1 | | <i>C. B. ...</i> | 12-17-74 | |
| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓ | NEXT HIGHER ASSY. | ENG. | DATE | |
| ⊕ | | | <i>J. ...</i> | 1-30-75 | |
| MATERIAL | FINISH | SCALE | PROJ. ENG. | DATE | |
| 16 GA. (.059) C.R.S. | 9200120-94 | 1/1 | <i>J. ...</i> | 1-30-75 | |
| | | SHEET OF | PROD. | DATE | |
| | | 1 OF 1 | <i>W. ...</i> | 1-30-75 | |
| | | | | | |

SIZE CODE C IA
 NUMBER 7413208-0-0
 REV. A

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G8018

REGULATOR BOARD

ON D.C. ONLY OFF

+5V ADJ.

+20V ADJ.

A.C. LOW ADJ.

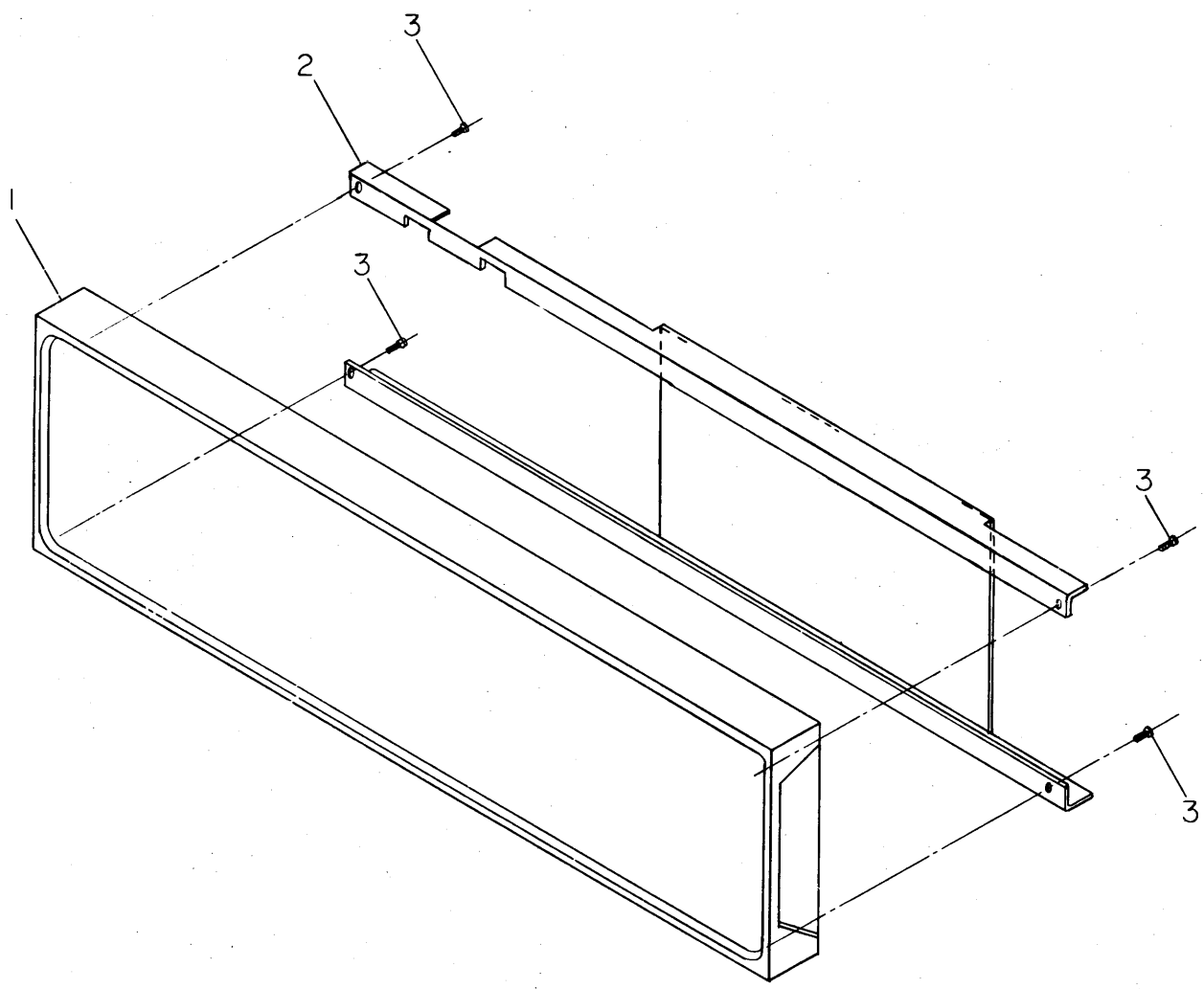
| | | |
|-----------|------------|--|
| REVISIONS | REV. | |
| | CHANGE NO. | |
| CHK | | |

WHT ON CLR

| | | | | | |
|-------------------------------|---------|---------------|----------------|--|------|
| DRN <i>J. Mattson</i> | 2-6-75 | FIRST USED ON | digital | | |
| CHK'D <i>[Signature]</i> | 2-7-75 | G8018 | | | |
| ENG <i>[Signature]</i> | 2-17-75 | TITLE | DECAL (G8018) | | |
| PROJ. ENG. <i>[Signature]</i> | 2-17-75 | | | | |
| PROD. <i>[Signature]</i> | 2-18-75 | | | | |
| NEXT HIGHER ASSY. | | | | | |
| D-CS-G8018-0-1 | SIZE | CODE | NUMBER | | REV. |
| SCALE 1/1 | A | DC | 7413498-0-0 | | |
| SHEET 1 OF 1 | DIST. | | | | |

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0-0-257102 2



| | | | |
|---|---------------------------|------------------|---|
| 4 | SCR, PHL PAN HD, SELF TAP | 9006418-01 | 3 |
| 1 | BRACKET, BEZEL | D-IA-7415707-0-0 | 2 |
| 1 | H95Ø-P COVER PANEL | D-UA-H95Ø-PB-Ø | 1 |

| DESCRIPTION | DWG./PART NO. | ITEM NO. |
|---|-------------------|--------------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| ANGLES 30° 30' | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES |
| SURFACE QUALITY IN | (CHECK ONE) | OVER 0 TO 1.5 |
| | MEDIUM | 1.5 TO 4.0 |
| MICROINCHES | PREFERRED | 4.0 TO 12.0 |
| | | 12.0 TO 40.0 |
| | | 40.0 TO 80.0 |
| | | 80.0 TO 101 |

| |
|----------------------|
| QUANTITY & VARIATION |
|----------------------|

| | | |
|--------------------------------------|-----------------------------------|-----------------------|
| THIRD ANGLE PROJECTION | DRN. <i>W. Mohr</i> 2/27/76 | FIRST USED ON |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D <i>W. Mohr</i> 1/14/76 | BAB-C |
| DO NOT SCALE DWG | ENG. <i>W. Mohr</i> 1/14/76 | TITLE |
| MATERIAL SEE PARTS LIST | PROJ. ENG. <i>W. Mohr</i> 1/14/76 | 5.25 BLANK BEZEL ASSY |
| FINISH | NEXT HIGHER ASSY. | SIZE CODE |
| | E-UA-BAB-C-Ø | D AD 7012452-0-0 |
| | SCALE | SHEET 1 OF 1 |

| | |
|------------|--|
| REV. | |
| CHK | |
| CHANGE NO. | |

DEC FORM NO. DRD 100-C

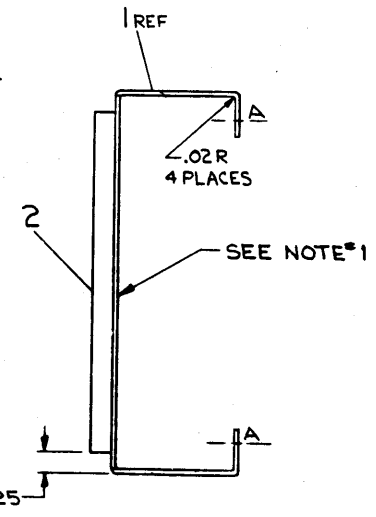
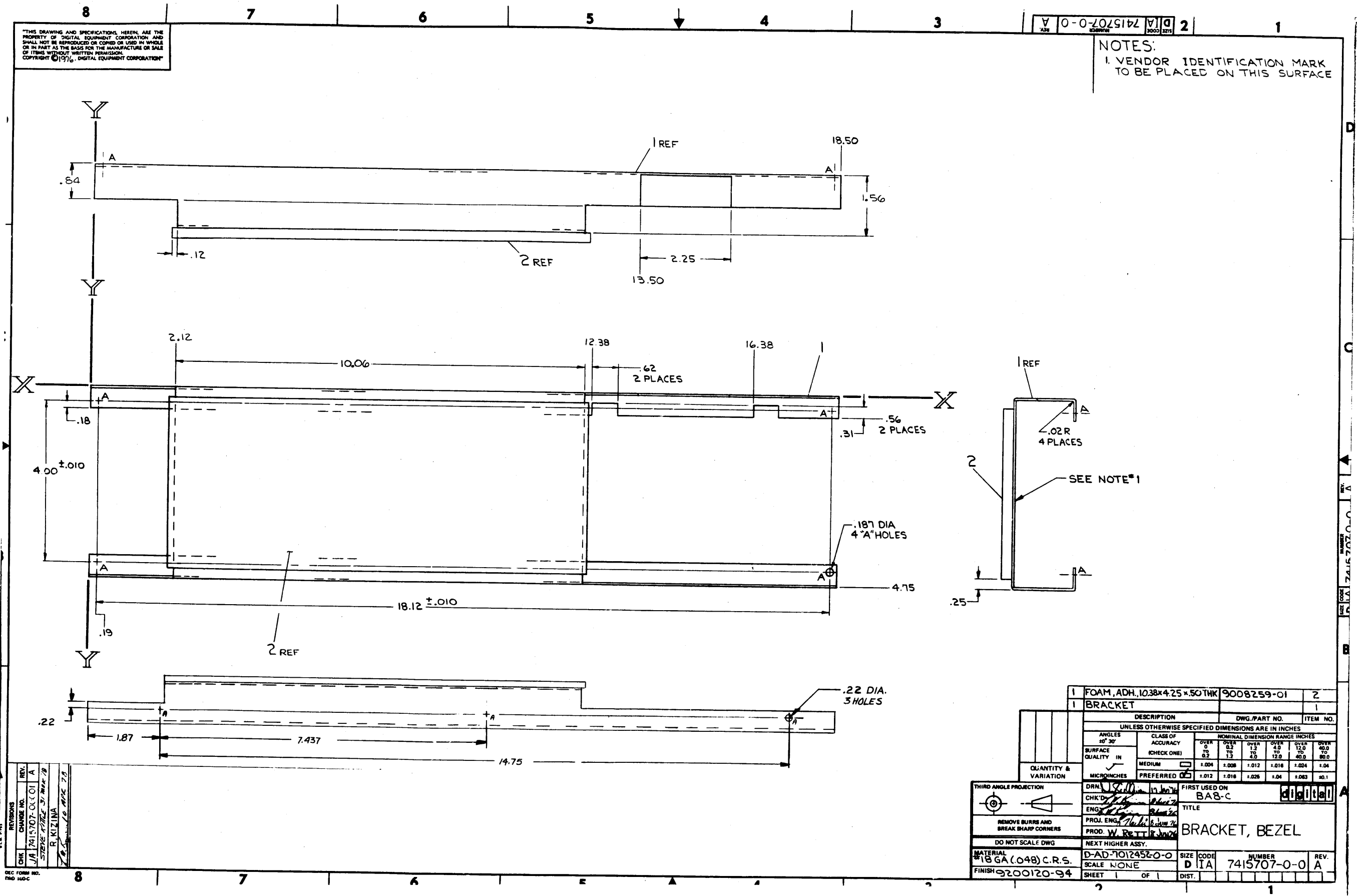
REV. D AD 7012452-0-0

DEC FORM NO. DRD 100-C

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NOTES:
1. VENDOR IDENTIFICATION MARK TO BE PLACED ON THIS SURFACE

0-0-7415707-0-0 2



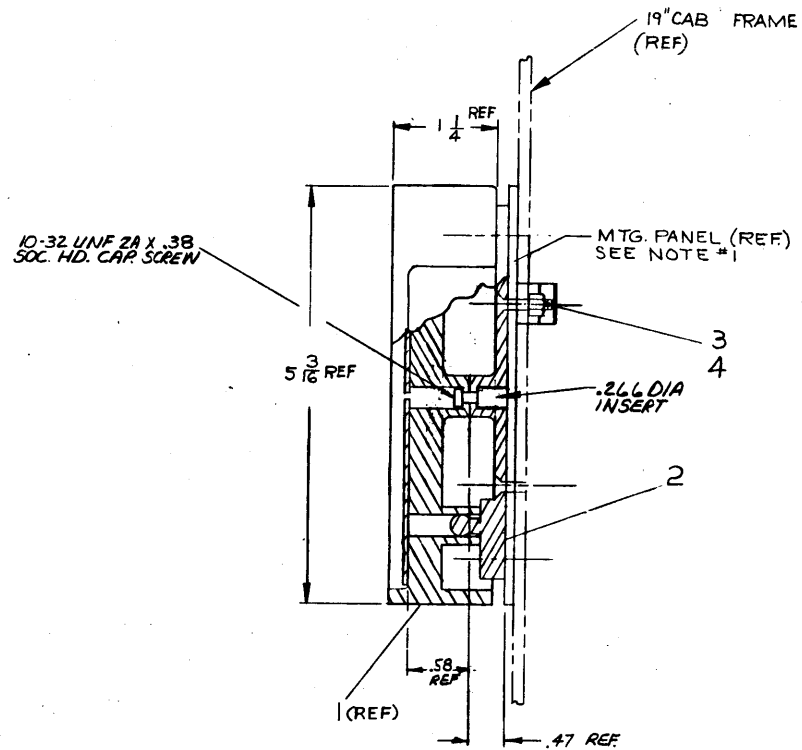
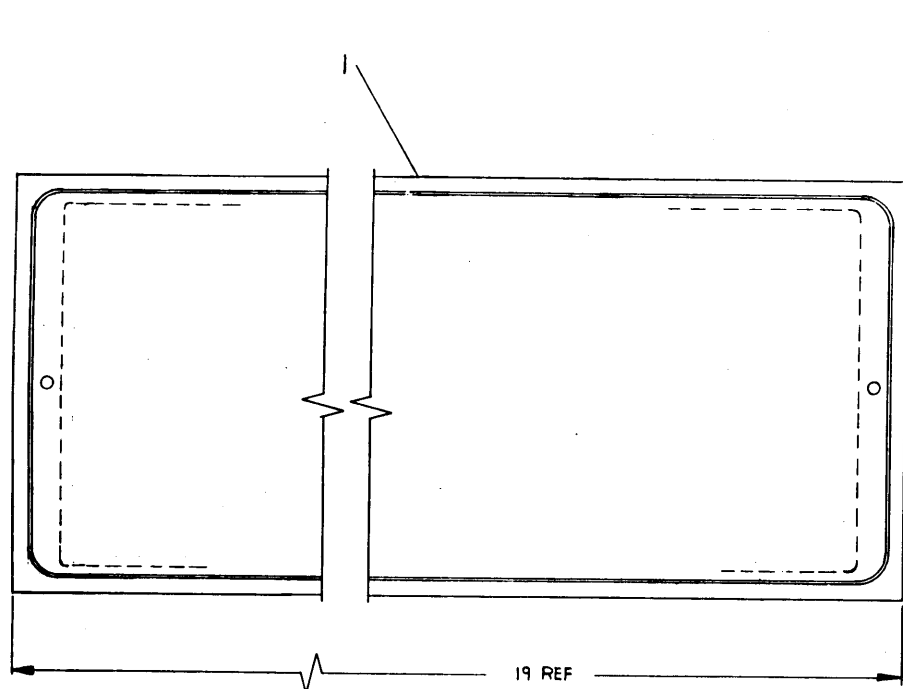
| | |
|-------------------|----------|
| REV. | REV. |
| CHANGE NO. | DATE |
| JA 7415707-0001 A | 10/18/76 |
| STEVE ATLAS | SI |
| R. KIZINA | SI |
| 10/18/76 | SI |

DEC FORM NO. 140-C

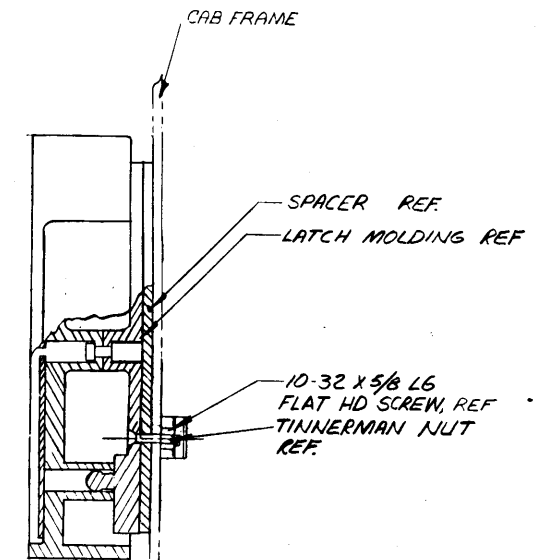
| | | | |
|---|-------------------------------|--------------------------------|------------|
| 1 | FOAM, ADH, 10.38x4.25x.50 THK | 9008259-01 | 2 |
| 1 | BRACKET | | 1 |
| DESCRIPTION | | DWG./PART NO. | ITEM NO. |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | |
| ANGLES 10° 30' | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES | |
| SURFACE QUALITY IN MICROINCHES | CHECK ONE | OVER TO | OVER TO |
| | | 0 0.2 | 0.2 0.5 |
| MEDIUM | PREFERRED | 1.004 | 1.008 |
| | | 1.012 | 1.016 |
| QUANTITY & VARIATION | | 1.024 | 1.04 |
| THIRD ANGLE PROJECTION | | 1.028 | 1.04 |
| REMOVE BURRS AND BREAK SHARP CORNERS | | 1.063 | 1.04 |
| DO NOT SCALE DWG | | 1.063 | 1.04 |
| NEXT HIGHER ASSY. | | 1.063 | 1.04 |
| MATERIAL | | FIRST USED ON | |
| 18 GA (048) C.R.S. | | BA8-C | |
| SCALE NONE | | TITLE | |
| FINISH 3200120-94 | | BRACKET, BEZEL | |
| SHEET 1 OF 1 | | SIZE CODE | |
| | | DIA | |
| | | NUMBER | |
| | | 7415707-0-0 | |
| | | REV. | |
| | | A | |

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NOTES
 1. USE LATCH MOLDING OVER 1943 MOUNTING PANEL OR EQUIVALENT
 2. SEE PARTS LIST FOR VARIATION.



SIDE VIEW
 ASSY USING THIN LATCH
 - ITEM 2 -



SIDE VIEW
 ASSY USING THICK LATCH
 MOLDING KIT
 - ITEM 5 -

| REV | CHG | NO | DATE | BY |
|-----|------------|----------|------|----|
| A | H950-00018 | 10/11/68 | | |
| B | H950-00020 | 11/11/68 | | |
| C | H950-00023 | 11/11/68 | | |
| D | H950-00034 | 12/11/68 | | |
| E | H950-00043 | 1/12/69 | | |
| F | H950-00062 | 7-18-69 | | |
| G | H950-00063 | 12-11-69 | | |
| H | H950-00100 | 7-25-73 | | |
| I | H950-00108 | 3-20-73 | | |
| J | H950-00108 | 3-20-73 | | |
| K | H950-00108 | 3-20-73 | | |
| L | H950-00108 | 3-20-73 | | |

| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|-------------------------------|-------------|--------------|----------|
| | | | |
| PARTS LIST | | | |
| digital EQUIPMENT CORPORATION | | | |
| TITLE | | | |
| H950-P COVER PANEL | | | |
| MATERIAL | | SIZE CODE | NUMBER |
| | | DUA | H950-P-0 |
| FINISH | | DIST. | K |
| | | 6 | |
| SCALE 1/1 | | SHEET 1 OF 1 | |

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

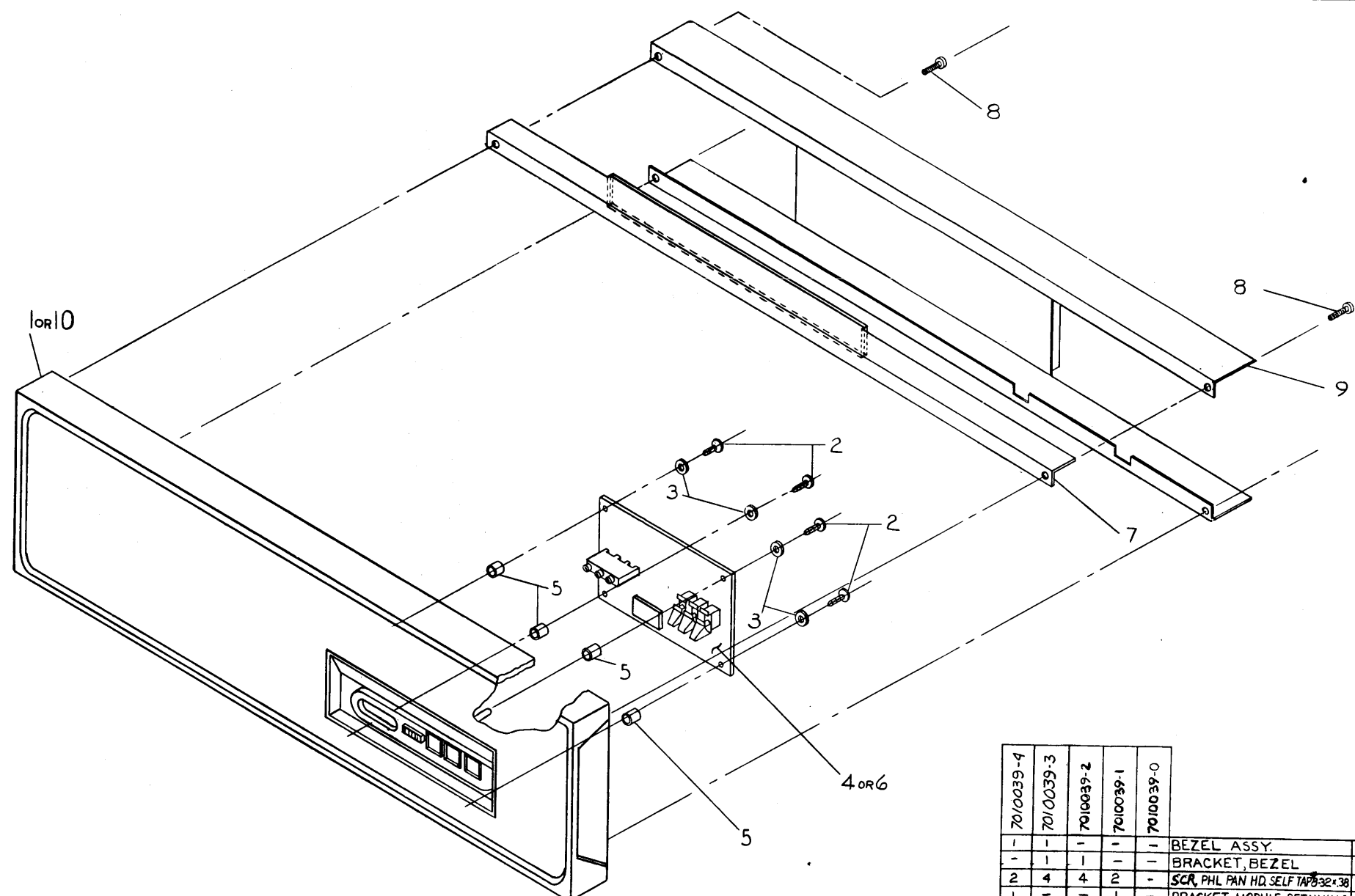
| | | | | | |
|---------|-----------|---------|-------------|--------------|---|
| MADE BY | R. HUTNAK | CHECKED | K. RUSS | SECTION | |
| DATE | 9/3/68 | DATE | 9/4/68 | | 1 |
| ENG | G. GRAHAM | PROD | L. PRENTICE | ISSUED SECT. | |
| DATE | 9/12/68 | DATE | 9/12/68 | | 1 |

| ITEM NO. | DWG NO. / PART NO. | DESCRIPTION | QUANTITY / VARIATION | | | | | | | | | | | | | | | | |
|--------------|-----------------------------|-------------------------------------|----------------------|--------------|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | H950-PA | H950-P | H950-PB | | | | | | | | | | | | | | |
| 1 | C-IA-7014527-0-0 | COVER PANEL ASSY 5 1/4 HIGH | 1 | 1 | 1 | | | | | | | | | | | | | | |
| 2 | C-SC-1209224-0-0 | LATCH MOLDING | - | 2 | - | | | | | | | | | | | | | | |
| 3 | 9006074-02 | SCR PHL FLAT HD 10-32 x 5/8 LG | - | 4 | - | | | | | | | | | | | | | | |
| 4 | 9007786-00 | SPEED NUT 10-32 TINNERMAN | - | 4 | - | | | | | | | | | | | | | | |
| 5 | C-PS-1211386-0-0 | THICK LATCH MOLDING | 2 | - | - | | | | | | | | | | | | | | |
| 6 | C-SC-1209176-1-0 | INLAY | 1 | 1 | 1 | | | | | | | | | | | | | | |
| 7 | 1809616-1 | TAPE, DOUBLE COATED 1/4" | A/R | | | | | | | | | | | | | | | | |
| 8 | 1809616-2 | TAPE, DOUBLE COATED 3/8" | A/R | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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|------------------------------|---------------|----------|-----------|----------|------|------------|
| TITLE COVER PANEL (5 1/4) | ASSY NO. | SIZE | CODE | NUMBER | REV. | ECO NO. |
| | D-UA-H950-P-0 | A | PL | H950-P-0 | K | H950-00128 |
| SHEET 1 OF 1 | DIST. | G | | | | |

DEC FORM NO. DRA 110

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| REV. | CHANGE NO. | BY | DATE |
|------|---------------|-------------|---------|
| A | 7010039-00001 | J. KALAGHER | 1-2-75 |
| B | 7010039-00002 | B. GARDNER | 3-21-75 |
| C | 7010039-00003 | L. NARHI | 6-11-75 |
| D | 7010039-00004 | L. KIZINA | 8-27-77 |

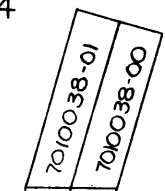
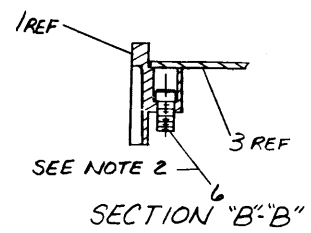
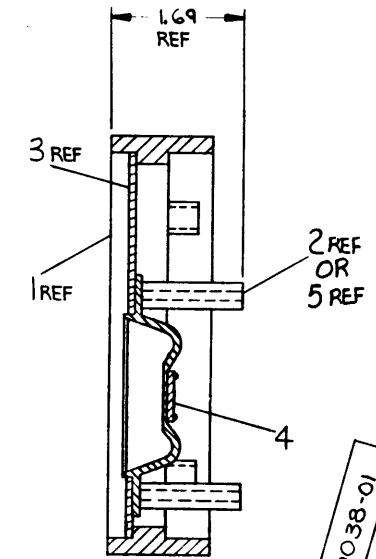
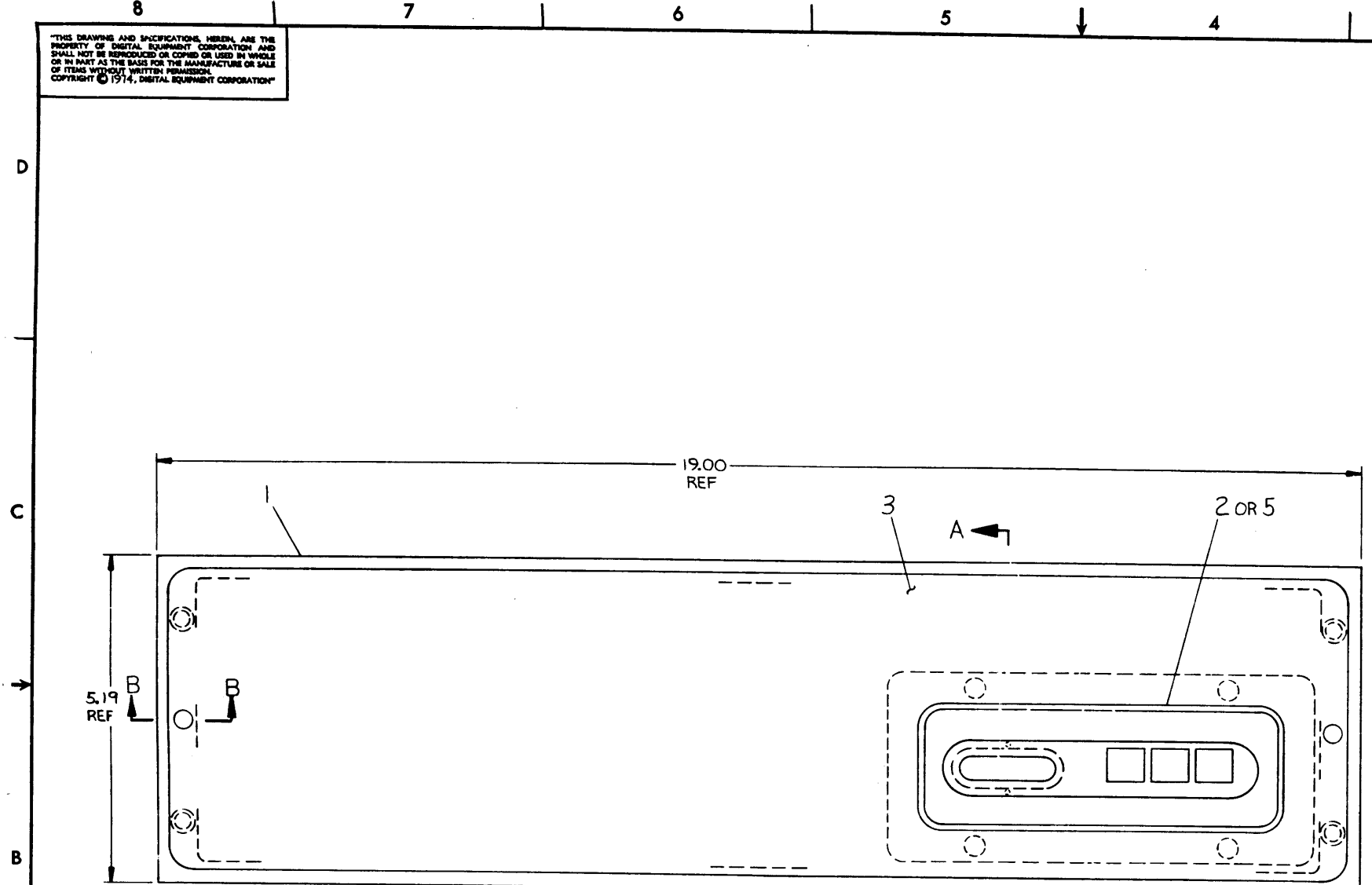
| 7010039-4 | 7010039-3 | 7010039-2 | 7010039-1 | 7010039-0 | DESCRIPTION | PART NO. | QTY. |
|-----------|-----------|-----------|-----------|-----------|--------------------------------|------------------|------|
| 1 | 1 | - | - | - | BEZEL ASSY. | D-1A-7010038-01 | 10 |
| - | 1 | 1 | - | - | BRACKET, BEZEL | D-1A-7415707-0-0 | 9 |
| 2 | 4 | 4 | 2 | - | SCR, PHL PAN HD SELF TAP 32x38 | 9006418-01 | 8 |
| 1 | - | - | 1 | - | BRACKET MODULE RETAINING | C-1A-7413487-0-0 | 7 |
| 1 | 1 | 1 | 1 | - | LIMITED FUNCTION BD | D-CS-5411507-0/1 | 6 |
| 4 | 4 | 4 | 4 | 4 | INSERT # 6-32 | 9009601 | 5 |
| - | - | - | - | 1 | LIMITED FUNCTION BO | D-CS-3411168-0-1 | 4 |
| 4 | 4 | 4 | 4 | 4 | LOCK WASHER, INT # 6 | 9006233 | 3 |
| 4 | 4 | 4 | 4 | 4 | SCR PHL PAN HD #6-32x3/8 | 9006022-01 | 2 |
| - | - | 1 | 1 | 1 | BEZEL ASSY | D-1A-7010038-0-0 | 1 |

| | | | |
|--|--|-----------------------------------|-----------------------|
| FIRST USED ON OPTION/MODEL PDP 8A | | DRN. C. Henry | DATE 9-28-76 |
| DIMENSIONAL TOLERANCE DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED | | CHK'D. J. Kelly | DATE 11-4-77 |
| MILLIMETERS XXX = ±0.10 XX = ±0.5 X = ±1.0 | INCHES XXX = ±.008 XX = ±.02 X = ±.1 | ENG. C. Henry | DATE 11-9-77 |
| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY | PROD. ENG. C. Henry | DATE 11-9-77 |
| MATERIAL SEE PARTS LIST | FINISH // | NEXT HIGHER ASSY. E-VA-H7630-0 | SCALE 1/2 |
| TITLE PANEL LIMITED FUNCTION | | SIZE CODE D AD | NUMBER 7010039-0-0 |
| REV. D | | REV. D | |

DAD 7010039-0-0

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NOTES:
 1. ULTRA SONIC WELDING ASSY.
 PROCEDURE:
 WELD FRAME (ITEM#2)
 TO INLAY, REWORK (ITEM#3), THEN
 WELD INLAY, REWORK (ITEM#3)
 TO BEZEL (ITEM#1), THEN
 WELD WINDOW (ITEM#4) TO
 FRAME (ITEM#3).
 2. ADD ITEM 6 BEFORE ULTRA-SONICALLY
 BONDING INLAY.



| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|-------------------------|------------------|----------|
| 2 | SCREW SOC. HD 10-32X.38 | 9000042-01 | 6 |
| 1 | FRAME | D-MD-7411945-03 | 5 |
| 1 | WINDOW | B-MD-7411744-0-0 | 4 |
| 1 | INLAY, REWORK | D-MD-7411692-0-0 | 3 |
| 1 | FRAME | D-MD-7411945-0-0 | 2 |
| 1 | 5/16" SNAP ON BEZEL | D-PS-1209226-0-0 | 1 |

| REV. | CHG | NO. | DATE | BY | APP. |
|------|-----|-----|---------|------------|------|
| 1 | A | 1 | 10-7-74 | S. Roberto | |
| 2 | A | 2 | 10-7-74 | S. Roberto | |
| 3 | A | 3 | 10-7-74 | S. Roberto | |
| 4 | A | 4 | 10-7-74 | S. Roberto | |
| 5 | A | 5 | 10-7-74 | S. Roberto | |
| 6 | A | 6 | 10-7-74 | S. Roberto | |
| 7 | A | 7 | 10-7-74 | S. Roberto | |
| 8 | A | 8 | 10-7-74 | S. Roberto | |

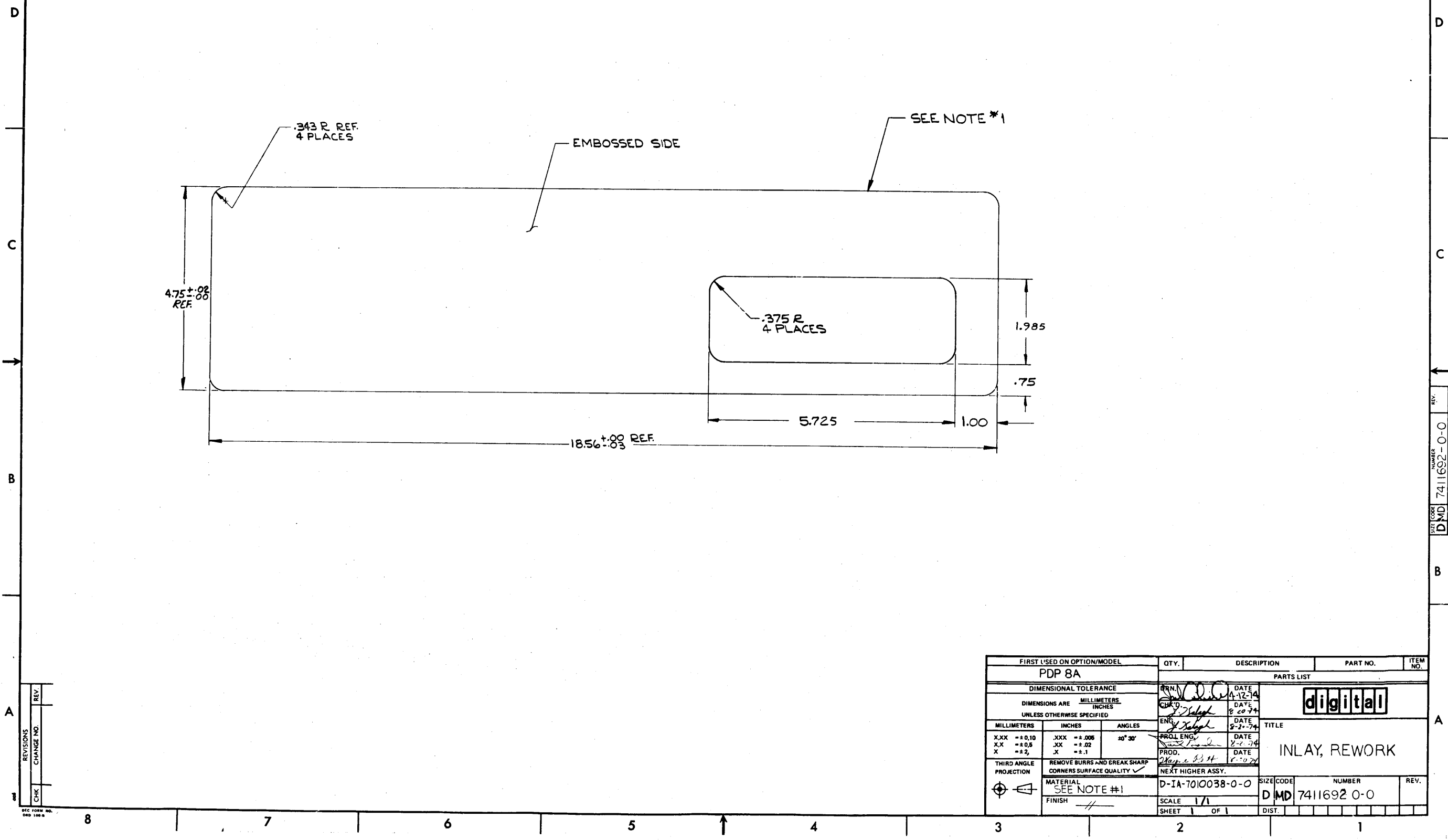
| | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|---------|-----|------------|------|---------|-------|------------|------|---------|-----|------------|------|---------|------------|------------|------|---------|-------|--------------|------|---------|
| FIRST USED ON OPTION/MODEL | | PDP8 A | | | | | | | | | | | | | | | | | | | | | |
| DIMENSIONAL TOLERANCE | | PARTS LIST | | | | | | | | | | | | | | | | | | | | | |
| DIMENSIONS ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED | | <table border="1"> <tr> <td>DRN</td> <td>S. Roberto</td> <td>DATE</td> <td>6-10-74</td> </tr> <tr> <td>CHK'D</td> <td>S. Roberto</td> <td>DATE</td> <td>10-7-74</td> </tr> <tr> <td>ENG</td> <td>S. Roberto</td> <td>DATE</td> <td>10-7-74</td> </tr> <tr> <td>PROJ. ENG.</td> <td>S. Roberto</td> <td>DATE</td> <td>10-7-74</td> </tr> <tr> <td>PROD.</td> <td>William Pitt</td> <td>DATE</td> <td>10-7-74</td> </tr> </table> | | DRN | S. Roberto | DATE | 6-10-74 | CHK'D | S. Roberto | DATE | 10-7-74 | ENG | S. Roberto | DATE | 10-7-74 | PROJ. ENG. | S. Roberto | DATE | 10-7-74 | PROD. | William Pitt | DATE | 10-7-74 |
| DRN | S. Roberto | DATE | 6-10-74 | | | | | | | | | | | | | | | | | | | | |
| CHK'D | S. Roberto | DATE | 10-7-74 | | | | | | | | | | | | | | | | | | | | |
| ENG | S. Roberto | DATE | 10-7-74 | | | | | | | | | | | | | | | | | | | | |
| PROJ. ENG. | S. Roberto | DATE | 10-7-74 | | | | | | | | | | | | | | | | | | | | |
| PROD. | William Pitt | DATE | 10-7-74 | | | | | | | | | | | | | | | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE | | | | | | | | | | | | | | | | | | | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY | | BEZEL ASSY | | | | | | | | | | | | | | | | | | | | | |
| MATERIAL SEE PARTS LIST | | SIZE CODE | | | | | | | | | | | | | | | | | | | | | |
| FINISH // | | D-AD-7010039-0-0 | | | | | | | | | | | | | | | | | | | | | |
| SCALE 1/1 | | NUMBER | | | | | | | | | | | | | | | | | | | | | |
| SHEET 1 OF 1 | | DIA 7010038-0-0 | | | | | | | | | | | | | | | | | | | | | |
| | | REV. B | | | | | | | | | | | | | | | | | | | | | |

DIA 7010038-0-0 REV. B

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0-0-2691172 DMD 2

NOTES:
1. MAKE FROM DEC. PART NO. 1209176-1



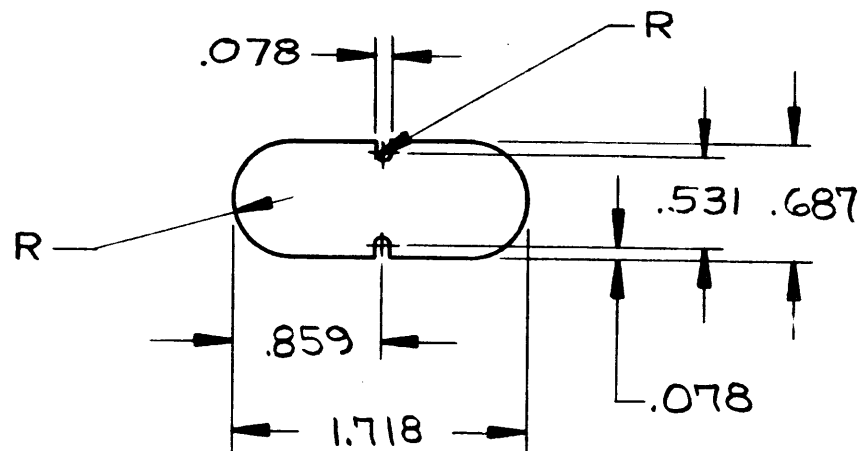
| | |
|------|------------|
| REV. | NO. |
| CHK | CHANGE NO. |

REV. NUMBER DMD 7411692-0-0

| | | | | | | |
|--|--|---------|-------------------|-------------|---------------|-------------|
| FIRST USED ON OPTION/MODEL PDP 8A | | | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
| DIMENSIONAL TOLERANCE | | | PARTS LIST | | | |
| DIMENSIONS ARE MILLIMETERS INCHES UNLESS OTHERWISE SPECIFIED | | | digital | | | |
| MILLIMETERS | INCHES | ANGLES | BRN. | DATE | TITLE | |
| X,XX = ±0.10 | .XXX = ±.005 | 30° 30' | CHK'D | DATE | INLAY, REWORK | |
| XX = ±0.5 | .XX = ±.02 | | ENG. | DATE | | |
| X = ±2 | .X = ±.1 | | PROL. ENG. | DATE | | |
| | | | PROD. | DATE | | |
| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓ | | NEXT HIGHER ASSY. | | | |
| MATERIAL SEE NOTE #1 | | | D-IA-7010038-0-0 | | SIZE CODE | NUMBER |
| FINISH // | | | SCALE 1/1 | | DMD | 7411692 0-0 |
| | | | SHEET 1 OF 1 | | DIST. | |

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DIGITAL EQUIPMENT CORPORATION



APPROVED VENDORS

DURALITH CORP.

| REVISIONS | | REV. |
|-------------|---------------|------|
| CHK | CHANGE NO. | |
| 88 | 7411744-00001 | A |
| J. KALAGHER | | |
| 1-2-75 | | |
| 89 | 7411744-00002 | B |
| J. KALAGHER | | |
| 7-24-75 | | |
| 7-25-75 | | |

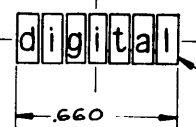
| FIRST USED ON OPTION/MODEL | QTY. | DESCRIPTION | PART NO. | ITEM NO. | |
|---|---------------------|-----------------|--|-----------------------|-----------|
| PDP8-A | | | | | |
| PARTS LIST | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES | DRN. D. GILLEY | DATE 4-4-74 |  DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS | | |
| TOLERANCES | CHK'D S. Roberts | DATE 9-17-74 | | | |
| DECIMALS | ENG. | DATE 9-17-74 | | | |
| ANGLES | PROJ. ENG. | DATE 9-17-74 | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V | PROD. Wayne Rett | DATE 9-17-74 | TITLE WINDOW | | |
| MATERIAL DURALAR N .060 THK 105135 RED SATIN "MC" | NEXT HIGHER ASSY. | | | | |
| FINISH 92000001-69 | D-AD-7010039-0-0 | SCALE 1/1 | SIZE CODE BMD | NUMBER 7411744-0-0 | REV. B |
| | SHEET 1 OF 1 | | DIST. | | |

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| LEGEND | | |
|------------|-----------------|-----------|
| NUMBER | VARIATION | USED ON |
| 7411945-00 | SEE SECTION C-C | PDP-8A |
| 7411945-01 | SEE SECTION C-C | PDP-11/03 |
| 7411945-02 | SEE SECTION C-C | 11/03-L |
| 7411945-03 | SEE SECTION C-C | PDP-8A |

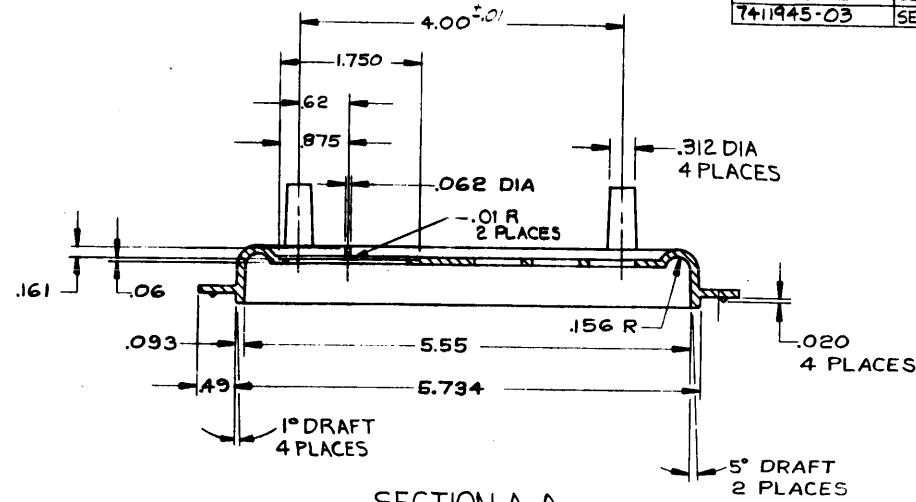
NOTES:

- MAX. DRAFT TO BE 1° UNLESS OTHERWISE SPECIFIED
- ALL INSIDE AND OUTSIDE RADII TO BE .03 R MAX UNLESS OTHERWISE SPECIFIED
- WALL THICKNESS TO BE .09 UNLESS OTHERWISE SPECIFIED
- THESE 3 SURFACES TO BE GLOSS GRAY D.E.C. FINISH 9200001-47
- THIS SURFACE TO BE FINE TEXTURED MT 1013 GRAY D.E.C. FINISH 9200001-47
- LETTERING TO READ "DEC P/N 7411945" .06 HIGH RAISED .005 TO .008 HIGH AND SHALL BE SHARP AND CLEAR
- MATERIAL TO MEET U.L. STANDARD NO. 94, SEPT. 1972, CLASSIFIED 94HB OR BETTER
- BLOCK AREA TO BE RAISED .025 MAX
- FOR SIZE OF DIGITAL LOGO AND SHAPE OF LETTERS SEE ART WORK SUPPLIED BY DIGITAL
- ~~BLOCK AREA TO BE HOT STAMPED WHITE. LOGO SHALL BE SHARP AND CLEAR.~~
- LETTERING IN THIS AREA SHALL BE 8 PT. "HELVETICA LIGHT" HOT STAMPED WHITE AND SHALL BE SHARP AND CLEAR
- CENTER WORDS ON CENTERLINE OF OPENINGS

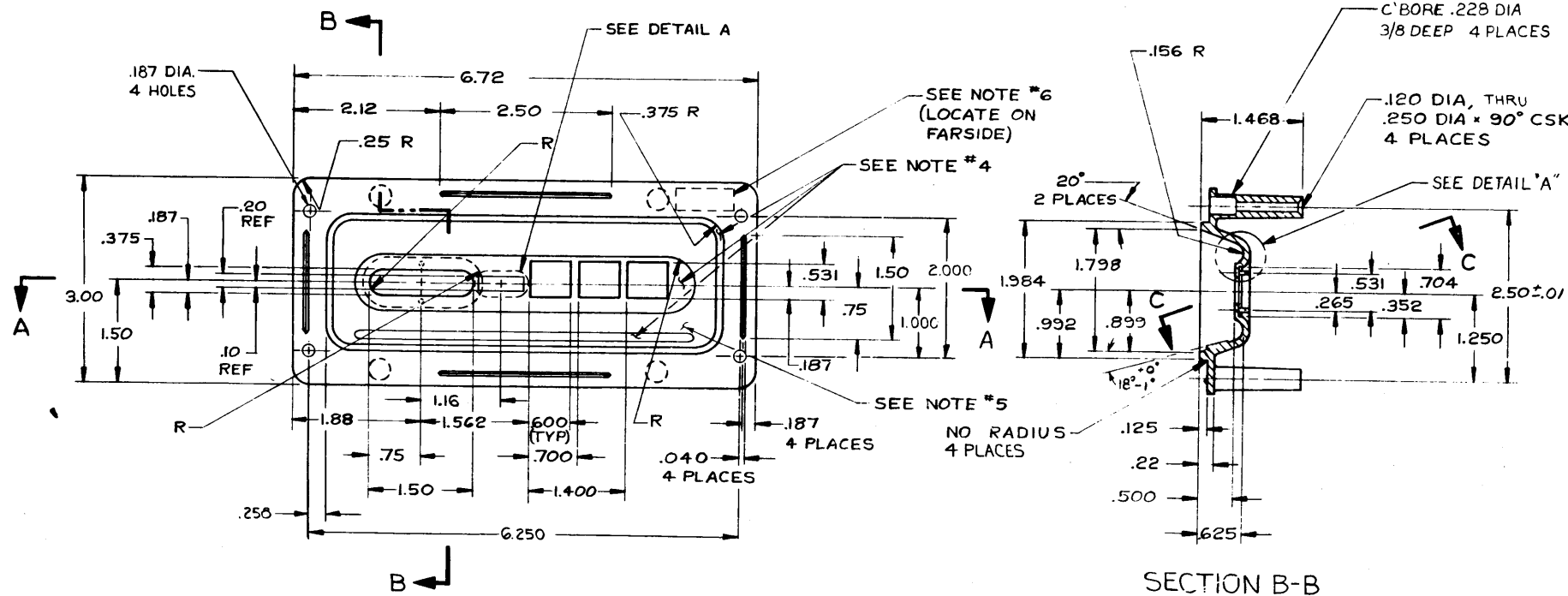


DETAIL 'A'

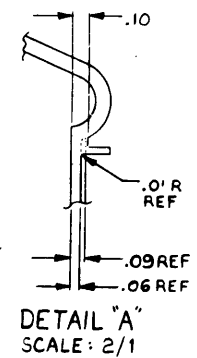
SEE SHEET 2 FOR VARIATIONS ON HOT STAMPING (SECTION C-C)



SECTION A-A



SECTION B-B



DETAIL 'A'
SCALE: 2/1

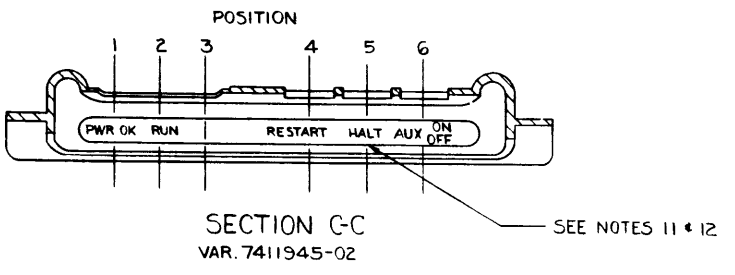
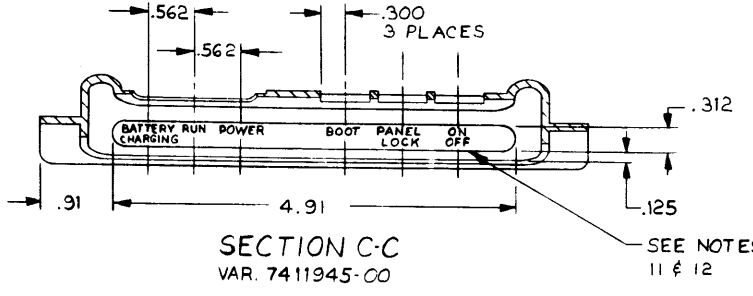
APPROVED VENDORS
HY-TEN DIE & DEVELOPMENT CORP.

| REV. | DATE | BY | CHKD. | DESCRIPTION |
|------|-----------|-------------|-------|-------------|
| 1 | 12-11-74 | J. KALAGHER | | |
| 2 | 12-11-74 | P. GARDNER | | |
| 3 | 1-15-75 | R. MARTEL | | |
| 4 | 2-15-75 | R. MARTEL | | |
| 5 | 18 MAR 77 | J. KALAGHER | | |
| 6 | 7 APR 77 | J. KALAGHER | | |
| 7 | 11/03 | L. KIZINA | | |

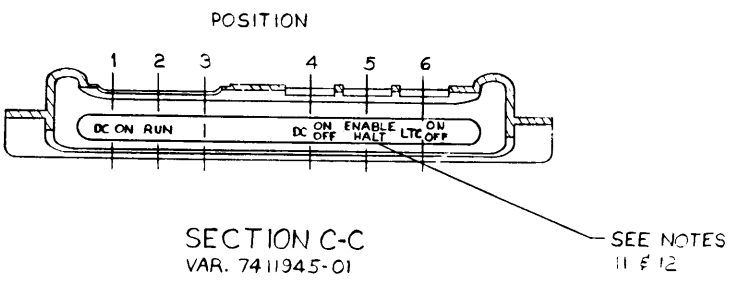
| FIRST USED ON OPTION/MODEL | | QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|---|--|------------|-------------|------------------|-------------|
| PDP 8A, 11/03 | | | | | |
| PARTS LIST | | | | | |
| DIMENSIONAL TOLERANCE | | DRN. | DATE | digital | |
| DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED | | CHKD. | DATE | | |
| MILLIMETERS | INCHES | ENG. | DATE | FRAME | |
| XXX ±0.10 XX ±0.08 X ±0.2 | XXX ±0.008 XX ±0.02 X ±0.1 | PROL. ENG. | DATE | | |
| THIRD ANGLE PROJECTION | REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY | PROD. | DATE | D-IA-7010038-0-0 | |
| | | | | | |
| MATERIAL | | SCALE | | SIZE CODE | NUMBER |
| NORYL | | 1/1 | | DMD | 7411945-0-0 |
| FINISH GRAY (SEE NOTE 4) | | SHEET | | DIST. | REV. |
| | | 1 OF 2 | | | F |

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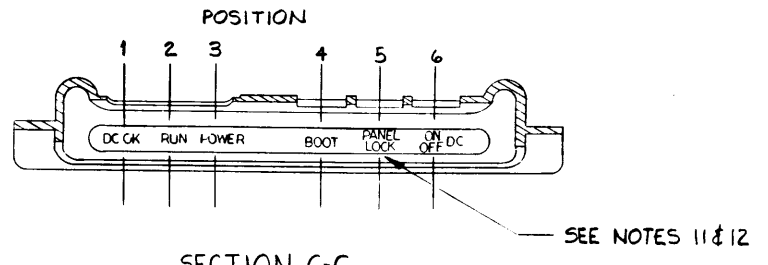
7411945-0 2



ALL DIMENSIONS SAME AS VAR-0 NO MARKING IN POSITION 3.



ALL DIMENSIONS SAME AS VAR-0 NO MARKING IN POSITION 3.



ALL DIMENSIONS SAME AS VAR. -0

| DESCRIPTION | | DWG./PART NO. | ITEM NO. |
|---|-------------------------------|----------------------------------|--------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | |
| ANGLES 10°-30° | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES | |
| SURFACE QUALITY IN MICRONS | CHECK ONE | OVER 0 TO 0.2 | OVER 0.2 TO 0.5 |
| | | OVER 0.5 TO 1.2 | OVER 1.2 TO 4.0 |
| QUANTITY & VARIATION | PREFERRED | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 |
| | | OVER 40.0 TO 80.0 | OVER 80.0 TO 100.0 |
| THIRD ANGLE PROJECTION | DRN. D. GILLEY 4-3-74 | FIRST USED ON PDP8A/1103 digital | |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D J. KALAGHER 4-29-74 | TITLE | |
| DO NOT SCALE DWG | ENG. J. KALAGHER 4-29-74 | FRAME | |
| MATERIAL | PRQJ. ENL. P. GALKICH 8-10-74 | SIZE | CODE |
| NORYL | PROD. W. PETT 8-20-74 | D | MD |
| FINISH GRAY (SEE NOTE 45) | DO NOT SCALE DWG | NUMBER | REV. |
| | NEXT HIGHER ASSY. | 741194500 | F |
| | | SCALE | |
| | | 1/1 | |
| | | SHEET | |
| | | 2 OF 2 | |
| | | DIST. | |

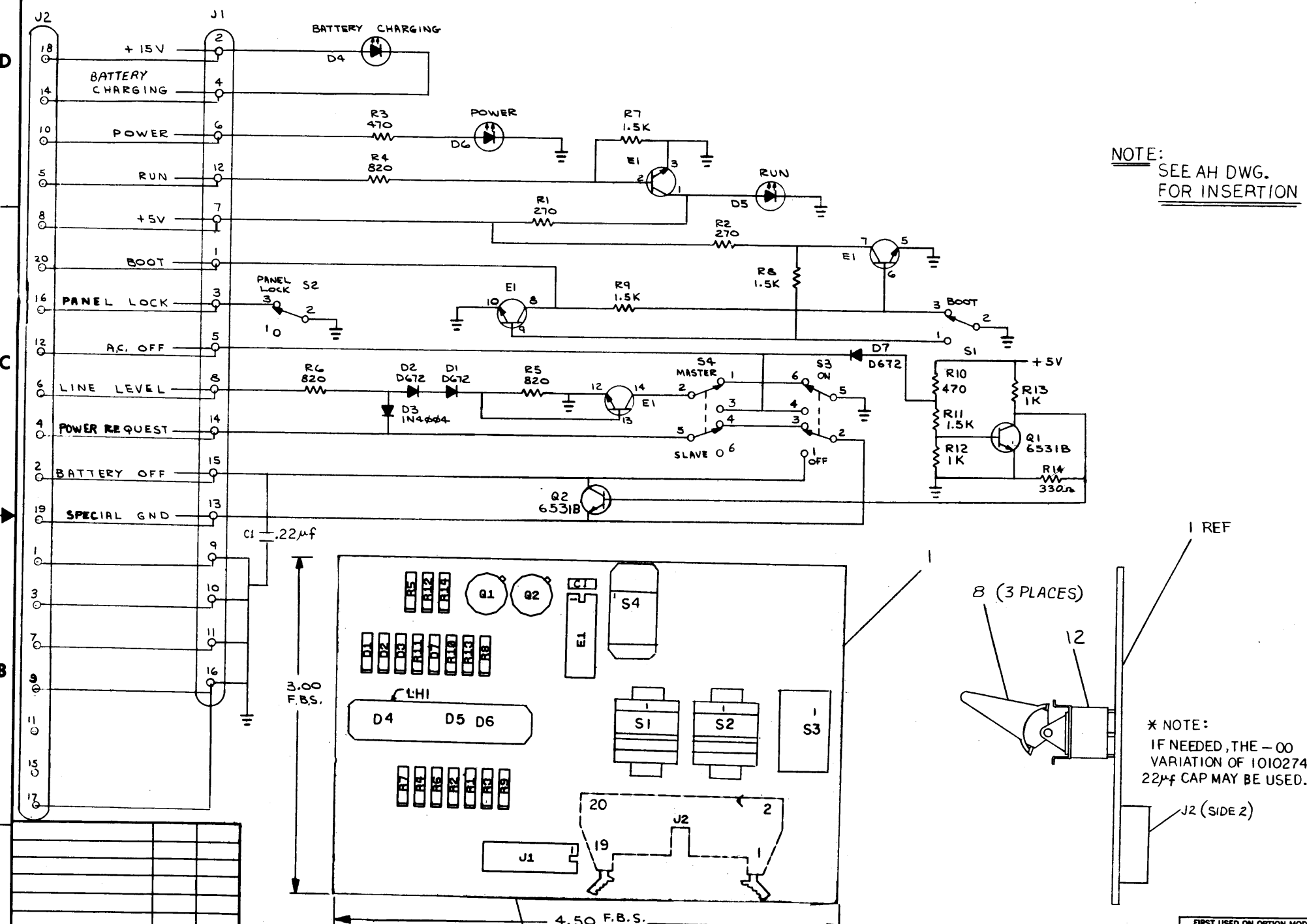
| REV. | CHANGE NO. | DESCRIPTION |
|------|------------|-------------|
| | | |
| | | |

DEC FORM NO. DRD 100-C

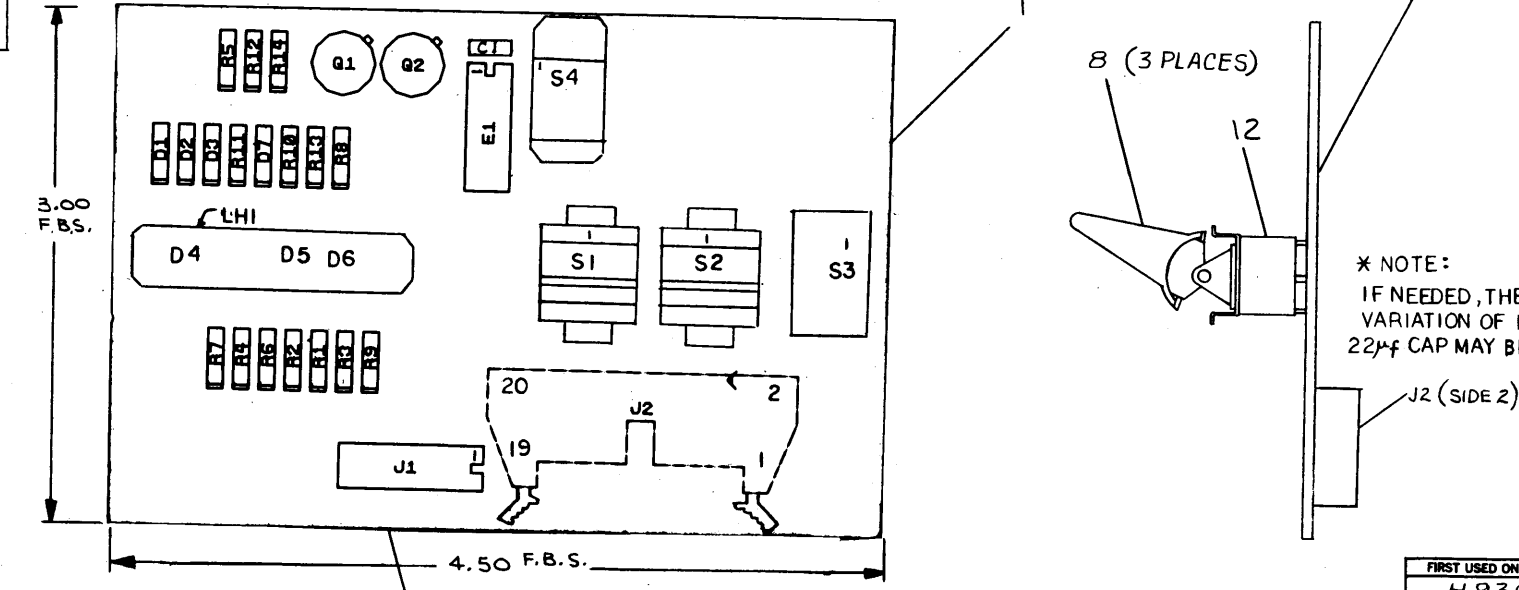
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NOTES:

| REF | DESCRIPTION | PART NO. | ITEM NO. |
|-----|-------------------------------------|-------------------------------|----------|
| REF | X-Y COORDINATE HOLE LOCATION | K-CO-5411507-0-4 | 1 |
| REF | ASSY/DRILLING HOLE LAYOUT | D-AH-5411507-0-5 | 2 |
| REF | MODULE ECO HISTORY | B-MH-5411507-0-6 | 3 |
| 1 | ETCHED CIRCUIT BOARD | 5011506 | 4 |
| 3 | D1, D2, D7 | DIODE, D672 | 5 |
| 1 | D3 | DIODE, 1N4004 | 6 |
| 3 | D4, D5, D6 | DIODE, LIGHT EMITTING | 7 |
| 3 | KNOB, DARK GRAY (#47) | 1210786-01 | 8 |
| 2 | S1, S2 | SWITCH, TOGGLE, SP.D.T. | 9 |
| 1 | S4 | SWITCH, SLIDE, DP.D.T. | 10 |
| 1 | LHI | LED HOLDER, TRIPLE | 11 |
| 1 | S3 | SWITCH, TOGGLE, D.P.D.T. | 12 |
| 2 | R3, R10 | RES. 470, 1/4W 5% | 13 |
| 4 | R7, R8, R9, R11 | RES. 1.5K, 1/4W 5% | 14 |
| 3 | R4, R5, R6 | RES. 820, 1/4W, 5% | 15 |
| 2 | R1, R2 | RES. 270, 1/4W, 5% | 16 |
| 1 | E1 | QUAD CORE DRIVER, 4011 | 17 |
| 1 | J1 | SOCKET, 16 PIN | 18 |
| 2 | SCR, SLOTTED PAN HD, SELF TAP #6-25 | 9008230-01 | 19 |
| 2 | R12, R13 | RES. 1K, 1/4W 5% | 20 |
| 2 | Q1, Q2 | TRAN. DEC 6531B | 21 |
| 1 | R14 | RES 330, 1/4W, 5% | 22 |
| 2 | EYELET, FUNNEL FLANGE | 9006735 | 23 |
| 2 | WIRE, #30 GREEN SOLID | 9105730-35 | 24 |
| 1 | J2 | RT. ANGLE HEADER, 20 PIN | 25 |
| 1 | | RT. ANGLE HEADER, LEFT LATCH | 26 |
| 1 | | RT. ANGLE HEADER, RT. LATCH | 27 |
| 1 | C1 | * CAP., .22 μ f, 50V, 20% | 28 |



NOTE:
SEE AH DWG.
FOR INSERTION



* NOTE:
IF NEEDED, THE -00
VARIATION OF 1010274,
22 μ f CAP MAY BE USED.

| | | | | | | | | |
|---|--|--|-----|--|--|-----|--|--|
| IC TYPE | | | GND | | | +5V | | |
| GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE | | | | | | | | |
| IC PIN LOCATIONS | | | | | | | | |

| | | | | | |
|--------------------------------------|--------------|---------------------------------|---------|------------------------------|------------------|
| DRN. X. Danks | DATE 1-27-75 | | | | |
| CHKD. Robert Kappas | DATE 1-29-75 | | | | |
| ENG. J. D. [Signature] | DATE 2-2-75 | | | | |
| PROD. [Signature] | DATE 2-27-75 | | | | |
| DATE 2-17-75 | DATE 2-17-75 | | | | |
| NEXT HIGHER ASSY D-AD-7010033-0-0 | | TITLE LIMITED FUNCTION BOARD | | | |
| DEC. NO. | EIA NO. | DEC. NO. | EIA NO. | SIZE CODE DCS 5411507-0-1 | NUMBER REV. F |

SEMICONDUCTOR CONVERSION CHART

SCALE 1 OF

SHEET

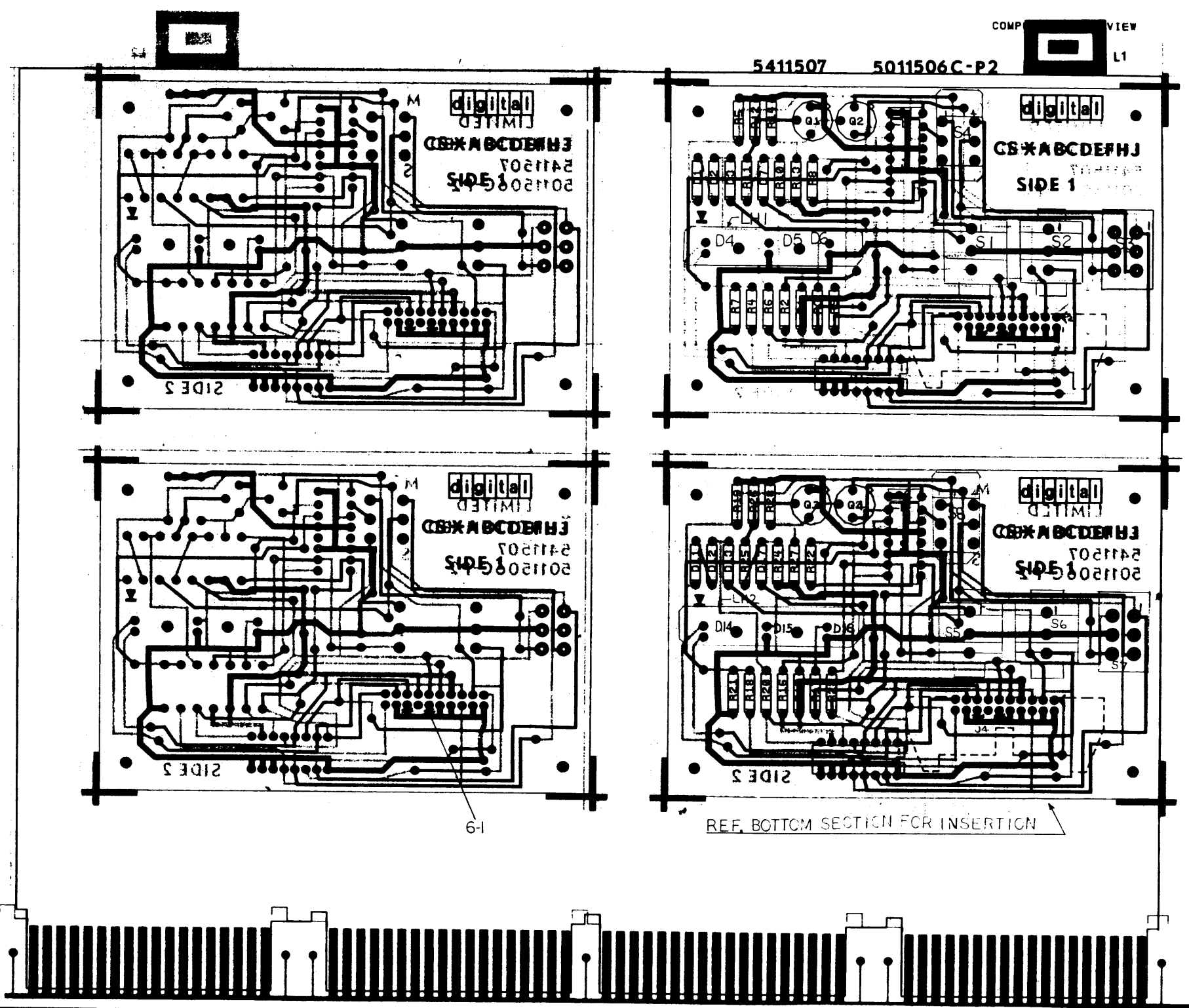
1-0-20911507-0-1 F

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| QTY | REF. | DESIGNATION | DESCRIPTION | PART NO. | ITEM No. |
|-----|------|--------------------|---------------------------|------------|----------|
| 3 | | D11, D12, D17 | DIODE, D672 | 1105257 | 1 |
| 1 | | D13 | DIODE, 1N4004 | 1105796 | 2 |
| 2 | | R17, R24 | RESISTOR, 470, 1/4W, 5% | 1300316 | 3 |
| 4 | | R21, R22, R23, R25 | RESISTOR, 1.5K, 1/4W, 5% | 1300391 | 4 |
| 3 | | R18, R19, R20 | RESISTOR, 820, 1/4W, 5% | 1301775 | 5 |
| 2 | | R15, R16 | RESISTOR, 270, 1/4W, 5% | 1301972 | 6 |
| 2 | | R26, R27 | RESISTOR, 1K, 1/4W, 5% | 1300365 | 7 |
| 1 | | R28 | RESISTOR, 330, 1/4W, 5% | 1300295 | 8 |
| 1 | | E2 | IC QUAD CORE DRIVER, 4011 | 1511102-00 | 9 |

NOTE: FOR INSERTION REF. ONLY.

REWORK INSTRUCTIONS
 E.C.O. #6
 ETCH CUTS SIDE 1:
 6-1 CUT GROUND TO PINS 11 & 15 OF J2 (20 PIN BERG)



NOTES:

| CHK | CHANGE NO | REV | DATE | BY |
|-----|-----------|-----|---------|----------|
| | 5411507-5 | E | 6-13-77 | P. GREEN |
| | 5411507-6 | F | 6-13-77 | P. GREEN |

| HOLE DATA | | | | | | | | | | |
|---------------|-----|-----|-----|---|---|---|---|---|---|---|
| SYMBOL | + | - | X | Z | W | Δ | □ | ◇ | ○ | * |
| FIN HOLE SIZE | 042 | 172 | 073 | | | | | | | |
| PLATED | ✓ | | ✓ | | | | | | | |
| NON PLATED | | ✓ | | | | | | | | |
| QTY. | 278 | 12 | 36 | | | | | | | |
| ○-OFF GRD HLE | 1 | | | | | | | | | |
| DRILL SIZE | | | | | | | | | | |

| BOARD FABRICATION INFORMATION | |
|-------------------------------|--------------------|
| PANEL SIZE | 8.5 X QUAD |
| PANEL DATA DWG.# | |
| PANEL MAT'L | .052 THK. |
| QTY. OF LAYERS | 2 |
| COPPER THICKNESS | 1OZ. |
| PTH. X | PRINT AND ETCH |
| MODULE INSERTED | 100 TIMES OR MORE? |

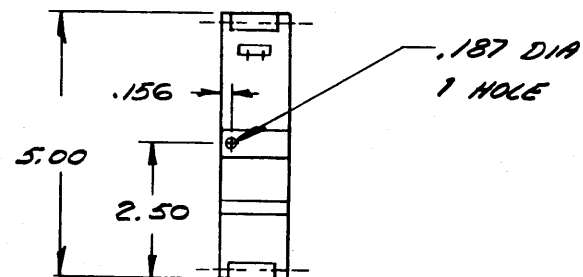
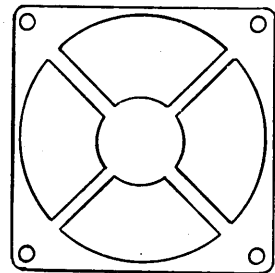
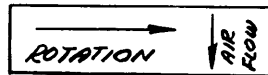
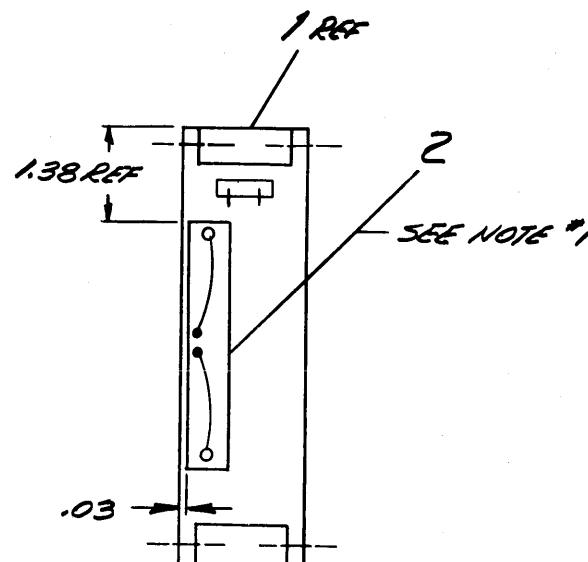
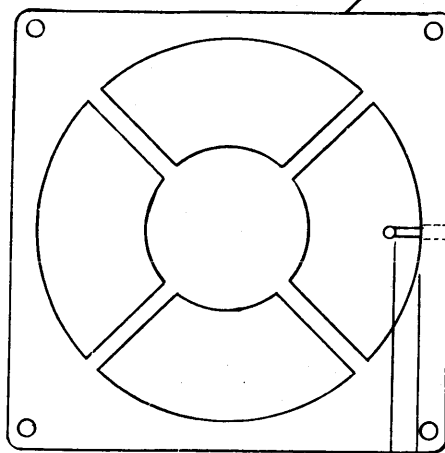
| SIGNATURES | | DATE | TITLE | |
|---------------------|--|------------|------------------------|--------|
| DRN. H. Sennore | | 6-13-77 | LIMITED FUNCTION BOARD | |
| CHK'D. P. Green | | 6-13-77 | | |
| ENG. P. Green | | 6-13-77 | | |
| PROJ. ENG. P. Green | | 6-13-77 | | |
| PROD. P. Green | | | | |
| SCALE | | SIZE | CODE | NUMBER |
| SHT. 1 OF 1 | | D AH | 5411507-0-5 | F |
| NEXT HIGHER ASSY. | | ETCH REV C | | |

1 MS#

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NOTES:

1. THERMISTOR BOARD, (ITEM #2) TO BE AFFIXED TO FAN (ITEM #1) WITH PERMA BOND (ITEM #3)
2. FANS WITH NO THERMISTOR HOLE MUST BE REWORKED PER DETAIL "A".



DETAIL "A"
FAN REWORK

| | | | |
|-----|------------------------|------------------|---|
| 1/2 | CEMENT, PERMA BOND | 9009157-00 | 3 |
| 1 | BOARD, ASSY THERMISTOR | C-1A-7013268-0-0 | 2 |
| 1 | FAN | 1213013-00 | 1 |

| DESCRIPTION | DWG./PART NO. | ITEM NO. |
|---|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES |
| SURFACE QUALITY IN MICRONS | MEDIUM <input type="checkbox"/> | OVER 0 TO 0.2 ±.004 OVER 0.2 TO 1.2 ±.008 OVER 1.2 TO 4.0 ±.012 OVER 4.0 TO 12.0 ±.016 OVER 12.0 TO 40.0 ±.024 OVER 40.0 TO 80.0 ±.04 |
| | PREFERRED <input checked="" type="checkbox"/> | ±.012 ±.016 ±.025 ±.04 ±.063 ±0.1 |

| | | | |
|--------------------------------------|--------------|---------------|-----------------|
| THIRD ANGLE PROJECTION | 8/27/76 | FIRST USED ON | digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | 8/27/76 | TITLE | BAB-C |
| DO NOT SCALE DWG | 8/27/76 | TITLE | FAN ASSY |
| MATERIAL SEE PARTS LIST | C-1A-BAB-C-0 | SIZE | C |
| FINISH | SCALE NONE | CODE | IA |
| | SHEET 1 OF 1 | NUMBER | 7013269-0-0 |
| | | REV. | |

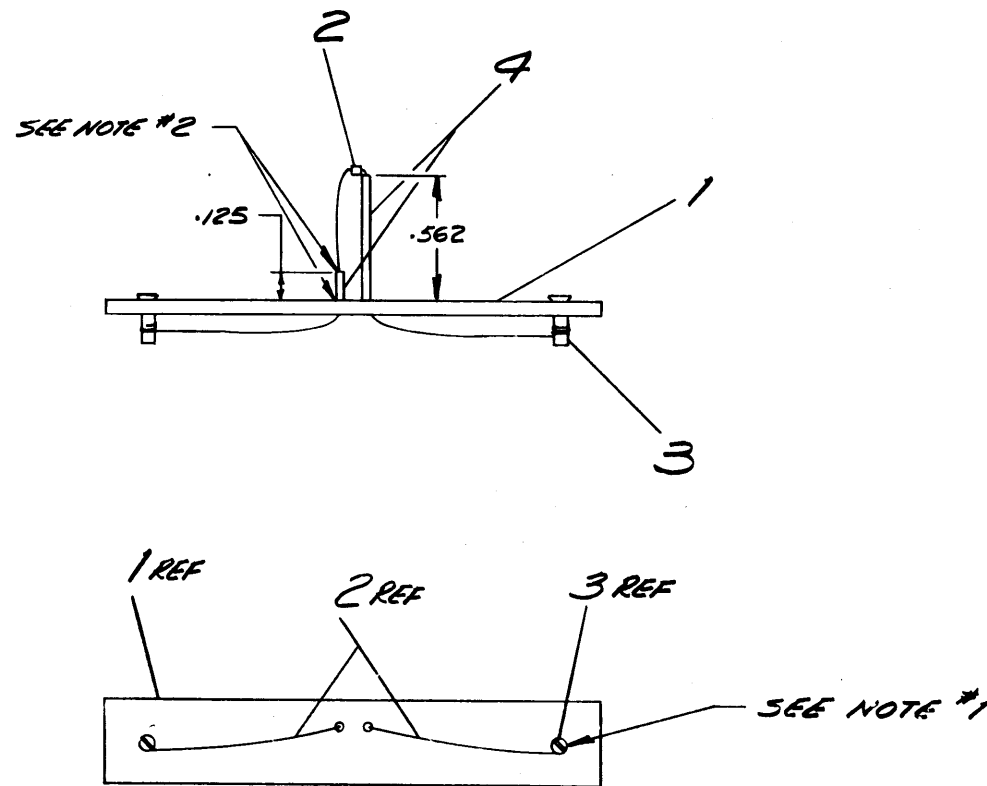
| | |
|------------|------|
| REVISIONS | REV. |
| CHANGE NO. | |
| CHK | |

REV. NUMBER C IA 7013269-0-0

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NOTES:

1. WRAP LEADS OF THERMISTOR AROUND SPLIT LUG & SOLDER. (2 PLACES)
2. AFFIX TUBING (ITEM #4) TO THERMISTOR LEAD AND BOARD (ITEM #1) USING PERMA BOND (ITEM #5) USING PERMA BOND (ITEM #5) SHORT TUBING ONLY



BOTTOM VIEW

| QTY | DESCRIPTION | DWG. PART NO. | ITEM NO. |
|-----|---------------------|-----------------|----------|
| 1/2 | CEMENT, PERMA BOND | 9009157-00 | 5 |
| 1/2 | TUBING #22 AW (BLK) | 9107256-00 | 4 |
| 2 | LUG, SPLIT | 9006735-00 | 3 |
| 1 | THERMISTOR | 1313149-00 | 2 |
| 1 | BOARD, THERMISTOR | C-1A-701535-0-0 | 1 |

| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | | | |
|----------------------------------|---|--------------------------------|--------------------------|--------------------------|---------------------------|----------------------------|----------------------------|
| | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| SURFACE QUALITY IN MICRONS | MEDIUM <input type="checkbox"/> | ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 |
| | PREFERRED <input checked="" type="checkbox"/> | ±.012 | ±.016 | ±.025 | ±.04 | ±.063 | ±.1 |

| | | | |
|---|--|---------------|-----------------------------------|
| THIRD ANGLE PROJECTION | DESIGNED BY <i>[Signature]</i> 26 Aug 76 | FIRST USED ON | digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHECKED BY <i>[Signature]</i> 8/29/76 | TITLE | BOARD ASSY, THERMISTOR |
| DO NOT SCALE DWG | PROB. ENG. <i>[Signature]</i> 8/29/76 | SIZE | C |
| MATERIAL | PROD. <i>[Signature]</i> 26 Aug 76 | CODE | IA |
| SEE PARTS LIST | NEXT HIGHER ASSY. | NUMBER | 7013268-0-0 |
| FINISH | SCALE 2/1 | DIST. | |
| | SHEET 1 OF 1 | REV. | |

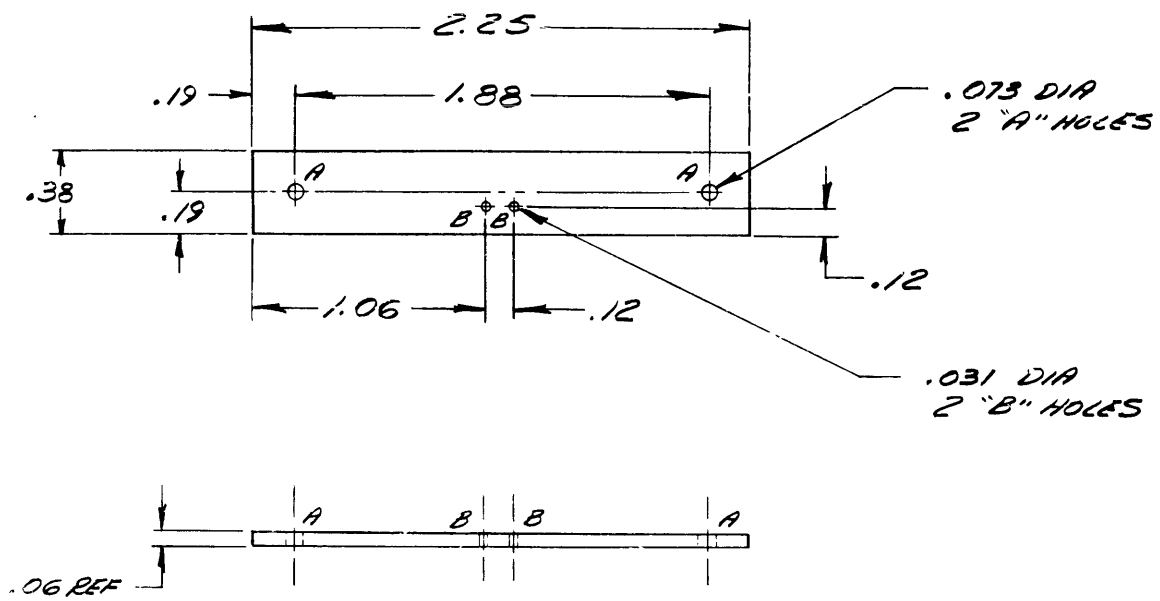
| | |
|------------|------|
| REVISIONS | REV. |
| CHANGE NO. | |
| CHK | |

MANUFACTURE P-1809

DEC FORM NO. 100-C

REV. NUMBER
C IA 7013268-0-0

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| | |
|------------|------|
| REVISIONS | REV. |
| CHANGE NO. | |
| CHK | |

DEC FORM NO. DRC 100-C

| | | | |
|--------------------------------------|---|---|------------------------------------|
| QUANTITY & VARIATION | DESCRIPTION | DWG./PART NO. | ITEM NO. |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| | ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES |
| | | | OVER 0 TO 0.2 |
| | | | OVER 0.2 TO 1.2 |
| | | | OVER 1.2 TO 4.0 |
| | | | OVER 4.0 TO 12.0 |
| | | | OVER 12.0 TO 40.0 |
| | | | OVER 40.0 TO 80.0 |
| | | MEDIUM <input type="checkbox"/> | ±.004 ±.008 ±.012 ±.016 ±.024 ±.04 |
| | | PREFERRED <input checked="" type="checkbox"/> | ±.012 ±.016 ±.025 ±.04 ±.063 ±0.1 |
| THIRD ANGLE PROJECTION | FIRST USED ON | | digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | TITLE | | BOARD, THERMISTOR |
| DO NOT SCALE DWG | NEXT HIGHER ASSY. | SIZE | CODE |
| MATERIAL | C-7A-7013263-0-0 | C | MD |
| FINISH | SCALE 2/1 | NUMBER | |
| | SHEET 1 OF 1 | 7417535-0-0 | |
| | | DIST. | REV. |

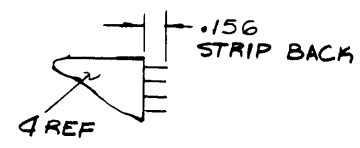
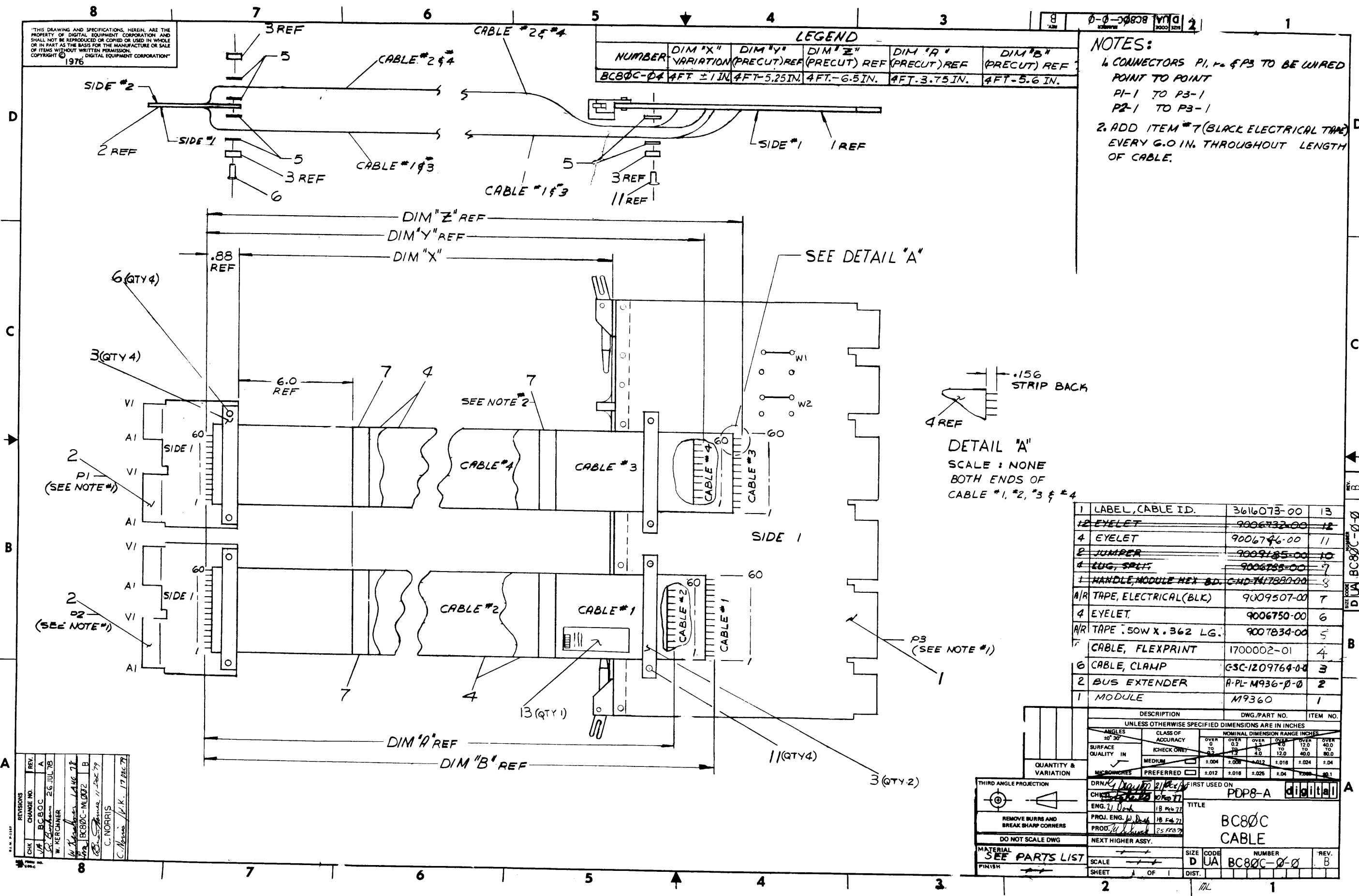
SIZE CODE C MD NUMBER 7417535-0-0 REV.

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0-0-0808 VMD 2

| NUMBER | DIM "X" VARIATION | DIM "Y" (PRECUT) REF | DIM "Z" (PRECUT) REF | DIM "A" (PRECUT) REF | DIM "B" (PRECUT) REF |
|----------|-------------------|----------------------|----------------------|----------------------|----------------------|
| BC80C-04 | 4 FT ± 1 IN. | 4 FT-5.25 IN. | 4 FT-6.5 IN. | 4 FT-3.75 IN. | 4 FT-5.6 IN. |

NOTES:
 1. CONNECTORS P1, P2 & P3 TO BE WIRED POINT TO POINT
 P1-1 TO P3-1
 P2-1 TO P3-1
 2. ADD ITEM #7 (BLACK ELECTRICAL TAPE) EVERY 6.0 IN. THROUGHOUT LENGTH OF CABLE.



DETAIL "A"
 SCALE: NONE
 BOTH ENDS OF CABLE #1, #2, #3 & #4

| DESCRIPTION | DWG./PART NO. | ITEM NO. |
|--|---------------------------|---------------|
| 1 LABEL, CABLE I.D. | 3616073-00 | 13 |
| 12 EYELET | 9006732-00 | 12 |
| 4 EYELET | 9006746-00 | 11 |
| 2 JUMPER | 9009185-00 | 10 |
| 4 EUG, SPEC. | 9006785-00 | 7 |
| 1 HANDLE, MODULE HEX SD. CMD-T417899-00 | CMD-T417899-00 | 3 |
| A/R TAPE, ELECTRICAL (BLK) | 9009507-00 | 7 |
| 4 EYELET | 9006750-00 | 6 |
| A/R TAPE .50W X .362 LG. | 9007834-00 | 5 |
| 7 CABLE, FLEXPRINT | 1700002-01 | 4 |
| 6 CABLE, CLAMP | GSC-1209764-00 | 3 |
| 2 BUS EXTENDER | A-PL-M936-0-0 | 2 |
| 1 MODULE | M9360 | 1 |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
|---|-------------------|
| ANGLES 90° 30° | CLASS OF ACCURACY |
| SURFACE QUALITY IN | CHECK OVER |
| MICROMETERS | PREFERRED |

| NOMINAL DIMENSION RANGE INCHES | |
|--------------------------------|-------|
| OVER 0 TO 1.0 | ±.004 |
| OVER 1.0 TO 3.0 | ±.006 |
| OVER 3.0 TO 6.0 | ±.012 |
| OVER 6.0 TO 12.0 | ±.018 |
| OVER 12.0 TO 40.0 | ±.024 |
| OVER 40.0 TO 80.0 | ±.030 |
| OVER 80.0 TO 120.0 | ±.036 |
| OVER 120.0 TO 160.0 | ±.042 |
| OVER 160.0 TO 200.0 | ±.048 |

| | | |
|--------------------------------------|------------------------|----------------|
| QUANTITY & VARIATION | DRN: [Signature] | FIRST USED ON |
| THIRD ANGLE PROJECTION | CHK: [Signature] | PDP8-A digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | ENG: [Signature] | TITLE |
| DO NOT SCALE DWG | PROJ. ENG. [Signature] | BC80C CABLE |
| MATERIAL FINISH | PROD. [Signature] | SIZE CODE |
| SEE PARTS LIST | NEXT HIGHER ASSY. | D UA |
| SCALE | SCALE | NUMBER |
| SHEET 1 OF 1 | DIST. | BC80C-0-0 |
| | | REV. B |

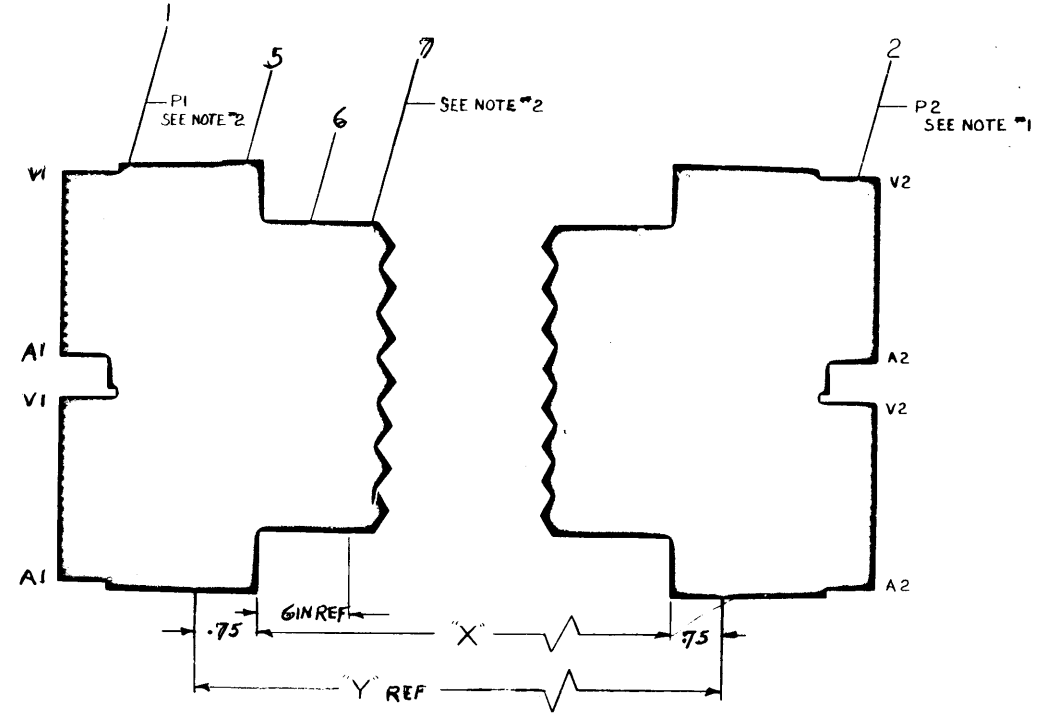
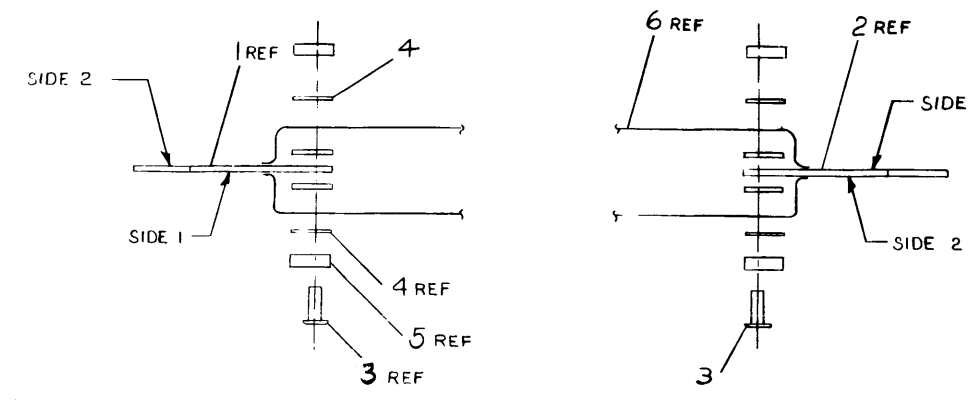
| REV. | CHG. NO. | DATE | BY | CHK. |
|------|----------|-----------|-------------|------|
| A | 1 | 26 JUL 78 | W. KERCHNER | |
| B | 2 | 11 DEC 79 | C. MORRIS | |
| | | 17 DEC 79 | C. MORRIS | |

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0-0-H8008
30072275

| LEGEND | | | |
|---------------------|-----------|-----------------|---------------------|
| PART NUMBER | VARIATION | | |
| | USED ON | DIM X | DIM Y (PRECUT) REF. |
| BC08H-3F | PDP 8/E | 3FT 6IN ± 1IN | 3FT 7.5 IN |
| BC08H-4F | PDP 8/M | 4FT 6IN ± 1IN | 4FT 7.5 IN |
| BC08H-0F | KIT 8 A | 6IN ± .5 IN | 7.5 IN |
| BC08H-1F | BABC | 1FT 6IN ± .5 IN | 1FT 7.5 IN |
| WARNING SEE NOTE #3 | | | |

- NOTES:
- CONNECTORS P1 & P2 ARE TO BE WIRED POINT TO POINT (P1-A1 TO P2-A2 TO P1-B1 TO P2-B2 ETC.).
 - ADD ITEM #7 (BLACK ELECTRICAL TAPE) EVERY 6 IN. FOR THE LENGTH OF THE CABLE.
 - THIS CABLE MAY NOT BE BUILT IN ANY LENGTH LONGER THAN THE BC08H-4F.



| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|---------------------------|-----------------|----------|
| NR | TAPE SCOTCH #33 BLK ELECT | | 7 |
| NR | FLEXPRINT CABLE | 9105692-6 | 6 |
| 4 | CABLE CLAMP | CSC-1209764-0-0 | 5 |
| NR | TAPE #4032 .50W X 3.62 LG | 9007834 | 4 |
| 4 | EYELETS-4-11 STIMPSON | 9006750 | 3 |
| 1 | CABLE CONNECTOR M 937 | A-PL-M937-0-0 | 2 |
| 1 | CABLE CONNECTOR M 936 | A-PL-M936-0-0 | 1 |

| REV | CHANGE NO. | REV |
|-----|-------------|-----|
| A | HC08H-00001 | A |
| B | 12-8-72 | |
| C | 12-8-72 | |
| D | 12-8-72 | |
| E | 12-8-72 | |
| F | 12-8-72 | |
| G | 12-8-72 | |
| H | 12-8-72 | |
| I | 12-8-72 | |
| J | 12-8-72 | |
| K | 12-8-72 | |
| L | 12-8-72 | |
| M | 12-8-72 | |
| N | 12-8-72 | |
| O | 12-8-72 | |
| P | 12-8-72 | |
| Q | 12-8-72 | |
| R | 12-8-72 | |
| S | 12-8-72 | |
| T | 12-8-72 | |
| U | 12-8-72 | |
| V | 12-8-72 | |
| W | 12-8-72 | |
| X | 12-8-72 | |
| Y | 12-8-72 | |
| Z | 12-8-72 | |

| | | | | |
|-------------------------------------|---|---|---|---|
| FIRST USED ON OPTION/MODEL PDP8E | DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ANGLES XXX = ± .005 XX = ± .02 X = ± .1 | DRN: GIANOUIS DATE: 8-14-72 CHK'D: BAMBRACK DATE: 8-16-72 ENG: P GARDNER DATE: 8-16-72 PROJ. ENGR: P GARDNER DATE: 8-16-72 PRG'D: W MILLER DATE: 8-17-72 NEXT HIGHER ASSY: E-UA-PDP8-E-0 | DATE: 8-16-72 TITLE: BC08H CABLE SCALE: NONE SHEET: 1 OF 1 | REVISIONS: E REV. NO.: 1 REV. DATE: 8-16-72 REV. BY: P GARDNER |
|-------------------------------------|---|---|---|---|

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WIRE TABLE

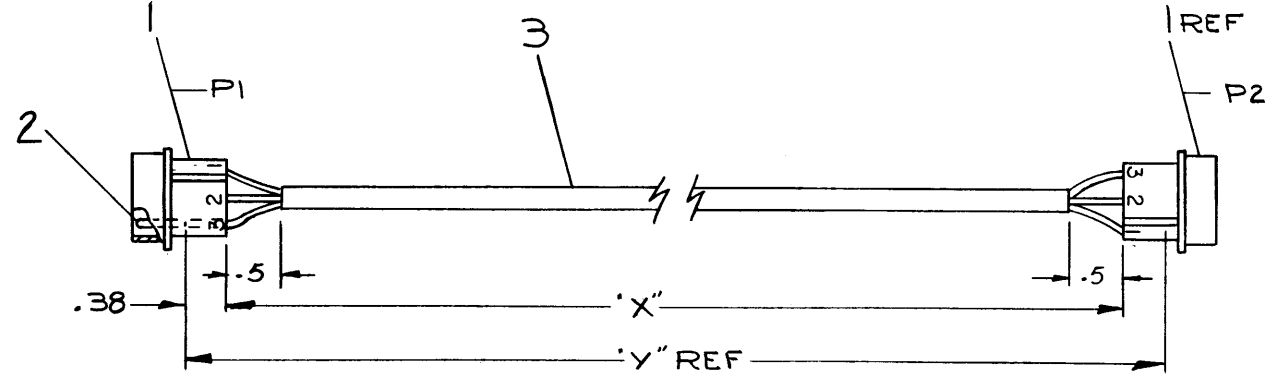
| ITEM NO | DESCRIPTION | FROM | | TO | | |
|---------|-------------|------|-------|------------|------|------------|
| | | AWG | COLOR | CONNECTION | WITH | CONNECTION |
| 3 | 22 | RED | PI-1 | 2 | P2-1 | 2 |
| 3 | 22 | BLK. | PI-2 | 2 | P2-2 | 2 |
| 3 | 22 | GRN | PI-3 | 2 | P2-3 | 2 |

LEGEND

| NUMBER | DIM X VARIATION | DIM Y (PRECUT) REF |
|------------|-------------------|-----------------------|
| 7008288-3F | 3FT. 6 IN ± 1 IN. | 3FT. 6.8 IN ± 1 IN. |
| 7008288-8F | 8FT. 6 IN ± 2 IN. | 8FT. 6.8 IN ± 2 IN. |
| 7008288-06 | 6FT. ± 2 IN. | 6FT. 0.8 IN ± 2 IN. |
| 7008288-12 | 12FT. ± 3 IN. | 12FT. 0.8 IN ± 3 IN. |
| 7008288-05 | 5FT. ± 1 IN. | 5FT. 0.8 IN ± 2 IN. |
| 7008288-10 | 10FT. ± 2 IN. | 10FT. 0.8 IN ± 3 IN. |
| 7008288-15 | 15FT. ± 3 IN. | 15FT. 0.8 IN ± 3 IN. |
| 7008288-08 | 8FT. ± 2 IN. | 8FT. 0.8 IN ± 2 IN. |
| 7008288-30 | 30FT. ± 7 IN. | 30FT. 0.8 IN ± 7 IN. |
| 7008288-40 | 40FT. ± 10 IN. | 40FT. 0.8 IN ± 10 IN. |
| 7008288-25 | 25FT. ± 10 IN. | 25FT. 0.8 IN ± 10 IN. |

NOTES

~~THE REMAINING BLK WIRE IS TO BE CUT BACK AT JACKET (BOTH ENDS)~~



| CHK | CHANGE NO. | REV. | DATE | BY |
|-----|---------------|------|-----------|--------------|
| 1 | 7008288-0000 | A | 10-16-72 | R. BURTON |
| 2 | 7008288-0000 | B | 10-25-72 | D. LEWIS |
| 3 | 7008288-0000 | C | 3-27-75 | B. MINOR |
| 4 | 7008288-0000 | D | 3-28-75 | J. PROVIDENT |
| 5 | 7008288-0000 | E | 3-10-75 | F. DOLL |
| 6 | 7008288-0006 | F | 5-MAR-76 | J. MCINTYRE |
| 7 | 7008288-0005 | G | 23-APR-76 | I. MORRIS |
| 8 | 7012401-0000 | H | 23 May 77 | CASTELLANOS |
| 9 | 7008288-ML007 | J | 5/2/80 | CASTELLANOS |

FIRST USED ON OPTION/MODEL
PDP/11

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
±.008 ±.004 ±.030
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS ✓

MATERIAL
SEE PARTS LIST

FINISH
#

| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|-------------------------|------------|----------|
| A/R | WIRE, 3 COND #22 AWG | 9107756 | 3 |
| G | PIN MALE #60620-1 | 1209378-03 | 2 |
| Z | PIN HOUSING #1-480305-0 | 1209351-03 | 1 |

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
CABLE ASSY

SCALE: H
SHEET 1 OF 1

SIZE CODE: CIA
NUMBER: 7008288-0-0
REV.: J

SIZE CODE
NUMBER
CIA 7008288-0-0
REV. J

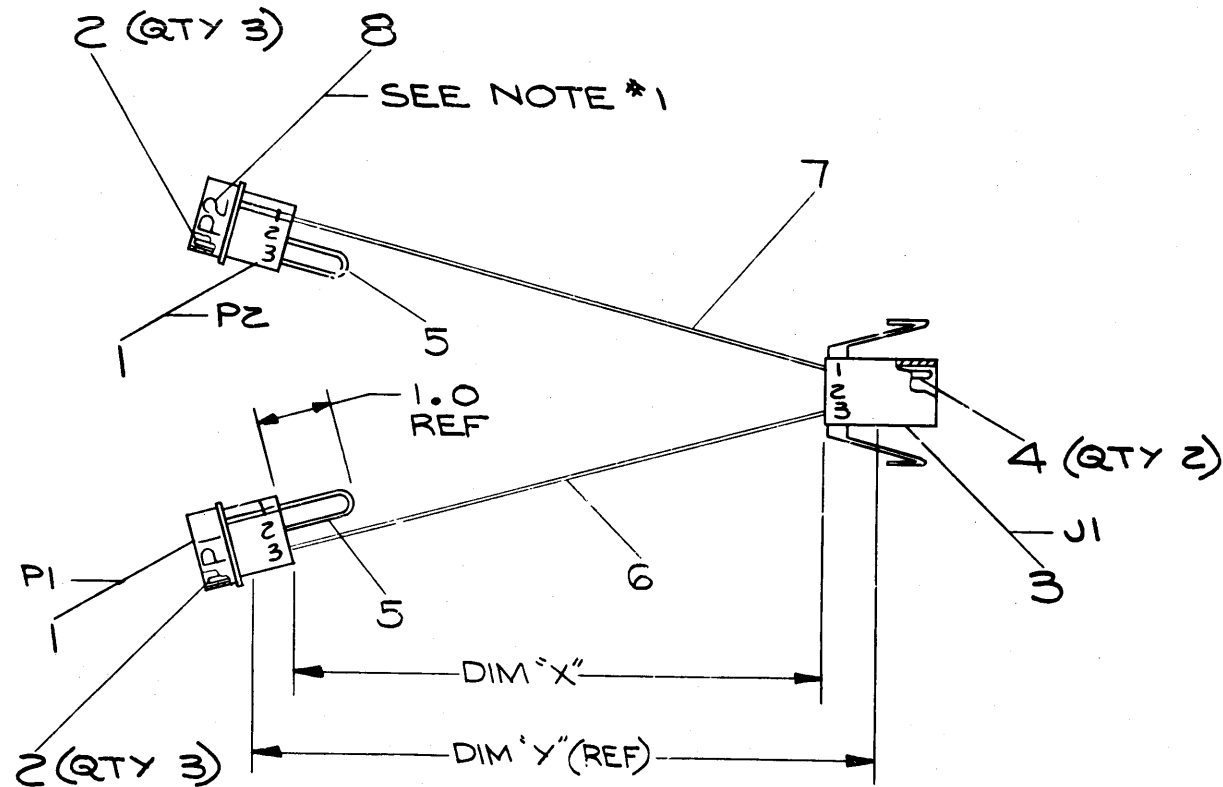
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WIRE TABLE

| ITEM NO. | DESCRIPTION | | FROM | | TO | | REMARKS |
|----------|-------------|-------|------|------|------|------|---------|
| | AWG | COLOR | CONN | WITH | CONN | WITH | |
| 5 | 22 | BLK | P1-1 | 2 | P1-2 | 2 | |
| 5 | 22 | BLK | P2-2 | 2 | P2-3 | 2 | |
| 6 | 22 | RED | P1-3 | 2 | J1-3 | 4 | |
| 7 | 22 | GRN | P2-1 | 2 | J1-1 | 4 | |

NOTES:

1. INSTALL "DECAL" (ITEM #8) ON "3 PIN HOUSING" (ITEM #1) AS SHOWN.



LEGEND

| NUMBER | DIM "X" VARIATION | DIM "Y" (PRECUT) REF |
|------------|-------------------|----------------------|
| 7013953-ØE | 5.5 IN. ± .5 IN | 6 IN ± .5 IN |

| DESCRIPTION | DWG./PART NO. | ITEM NO. |
|------------------------------|-----------------|----------|
| 1 POWER HARNESS DECAL | A-DC-7409872-20 | 8 |
| AWR WIRE, #22 AWG STRD (GRN) | 9107350-55 | 7 |
| AWR WIRE, #22 AWG STRD (RED) | 9107350-22 | 6 |
| AWR WIRE, #22 AWG STRD (BLK) | 9107350-00 | 5 |
| 2 TERMINAL, SKT | 1209379-03 | 4 |
| 1 HOUSING, 3 SKT | 1209350-03 | 3 |
| 6 TERMINAL, PIN CONTACT | 1209378-08 | 2 |
| 2 HOUSING, 3 PIN | 1209351-03 | 1 |

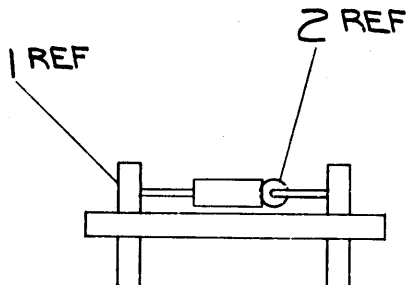
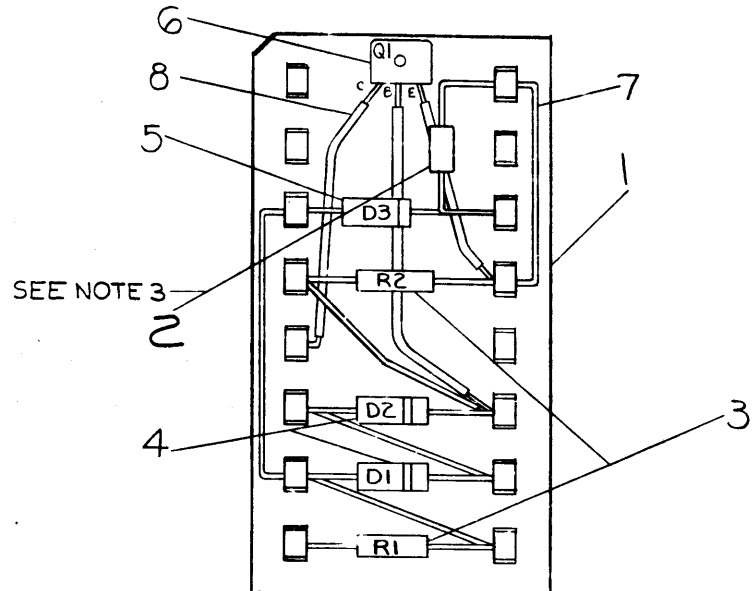
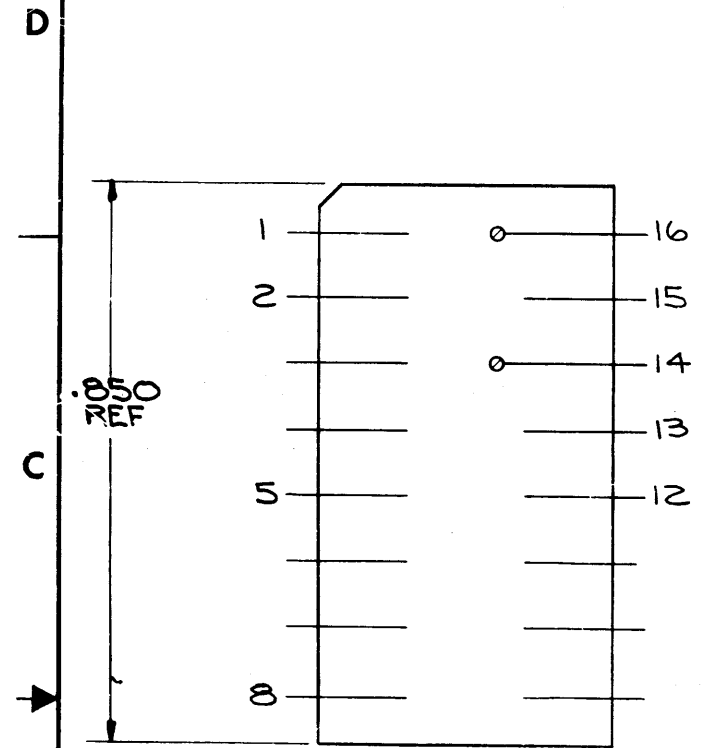
| REV. | CHANGE NO. | DATE | BY |
|------|------------|------------|-------------|
| A | 00001 | 17 June 77 | L. NARHI |
| | | | LARRY NARHI |

| THIRD ANGLE PROJECTION | QUANTITY & VARIATION | DESCRIPTION | DWG./PART NO. | ITEM NO. | | | | | | | | | | | | |
|--------------------------------------|----------------------|---|---|-------------------|-------------------|-----------------|-----------------|------------------|-------------------|-------------------|-------|-------|-------|-------|-------|------|
| REMOVE BURRS AND BREAK SHARP CORNERS | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | | | | | | | | |
| DO NOT SCALE DWG | | NOMINAL DIMENSION RANGE INCHES | | | | | | | | | | | | | | |
| MATERIAL SEE PARTS LIST | | CLASS OF ACCURACY (CHECK ONE) | <table border="1"> <tr> <th>OVER 0 TO 0.2</th> <th>OVER 0.2 TO 1.2</th> <th>OVER 1.2 TO 4.0</th> <th>OVER 4.0 TO 12.0</th> <th>OVER 12.0 TO 40.0</th> <th>OVER 40.0 TO 80.0</th> </tr> <tr> <td>±.004</td> <td>±.008</td> <td>±.012</td> <td>±.016</td> <td>±.024</td> <td>±.04</td> </tr> </table> | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 | ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 |
| OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 | | | | | | | | | | | |
| ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 | | | | | | | | | | | |
| FINISH | | MEDIUM | FIRST USED ON | | | | | | | | | | | | | |
| | | PREFERRED | FPPB-E | | | | | | | | | | | | | |
| | | | TITLE | | | | | | | | | | | | | |
| | | | 8E POWER CONTROL ADAPTER CABLE | | | | | | | | | | | | | |
| | | | SIZE | CODE | | | | | | | | | | | | |
| | | | C | IA | | | | | | | | | | | | |
| | | | NUMBER | REV. | | | | | | | | | | | | |
| | | | 7013953-0-0 | A | | | | | | | | | | | | |
| | | | SHEET | OF | | | | | | | | | | | | |
| | | | 1 | 1 | | | | | | | | | | | | |

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NOTES:

- CUT OFF COMPONENT ADAPTER PINS NO. 3, 4, 6, 7, 9, 10 & 11.
- 01 VARIATION FOR USE ON H9300.
- ITEM #2, INSULATED JUMPER CONNECTED AS SHOWN FOR 7013952-00 VARIATION ONLY. IN 7013952-01 VARIATION, ITEM #2 INSULATED JUMPER IS NOT USED.



| QTY | DESCRIPTION | DWG./PART NO. | ITEM NO. |
|-----|-----------------------------|---------------|----------|
| - | A/R TUBING, THIN WALL | 9107256-00 | 8 |
| - | A/R JUMPER WIRE | 9105740-55 | 7 |
| - | 1 TRANS, DEC 6531B (Q1) | 1509338 | 6 |
| - | 1 DIODE, IN4004 (D3) | 1105796 | 5 |
| - | 2 DIODE, 672 (D1, D2) | 1105275 | 4 |
| - | 2 RES. 820 1/4W 5% (R1, R2) | 1301775 | 3 |
| 1 | INSULATED JUMPER WIRE | 9009185-00 | 2 |
| 1 | COMPONENT ADAPTER (16 PIN) | 1211323-00 | 1 |

| REV. | CHANGE NO. | DATE | BY | DESCRIPTION |
|------|---------------|-------------|-----------|-------------|
| A | 7013952-00001 | 11 April 77 | B. Olin | W. DASH |
| B | 7013952-00002 | 12 April 77 | W.D. DASH | W. DASH |
| C | 7013952-00003 | 31 MAY 77 | L. NARHI | W. DASH |

| | | | | |
|---|-------------------------------|--------------------------------|-------------------|-------------------|
| 7013952-00 | 7013952-01 | DESCRIPTION | DWG./PART NO. | ITEM NO. |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | |
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | |
| SURFACE QUALITY IN | MEDIUM | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 |
| | PREFERRED | ±.004 | ±.008 | ±.012 |
| | | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| | | ±.016 | ±.024 | ±.04 |
| | | ±.012 | ±.016 | ±.025 |
| | | ±.04 | ±.063 | ±0.1 |
| THIRD ANGLE PROJECTION | | FIRST USED ON | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | | FPP8-E digital | | |
| DO NOT SCALE DWG | | TITLE | | |
| MATERIAL SEE PARTS LIST | | REMOTE INTERLOCK JUMPER ASSY | | |
| FINISH | | SIZE CODE NUMBER REV. | | |
| | | C IA 7013952-0-0 C | | |
| SHEET 1 OF 1 | | DIST. | | |