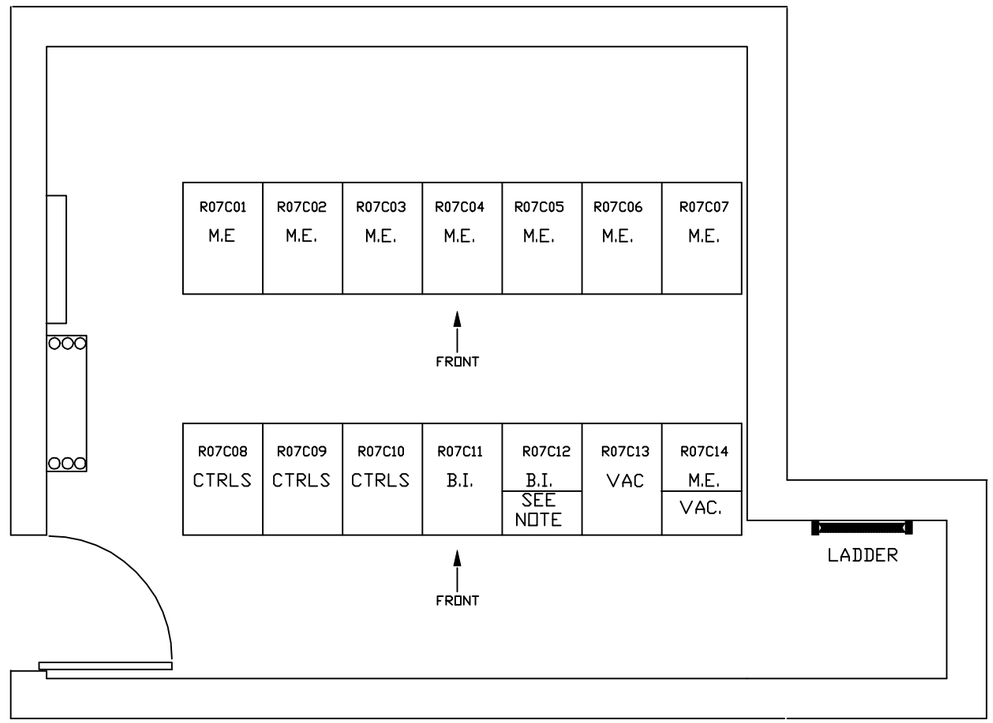



NOTE

M.E. - MAGNET ELECTRICAL
CTRLS - CONTROLS
VAC - VACUUM
B.I. - BEAM INSTRUMENTATION
NOTE - THIS HALF RACK WILL BE
BEAM INSTRUMENTATION OR VACUUM
GROUP DEPENDING ON SEXTANT
TEST RESULTS.

| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO./BNL NO. |
|---|---|---|---|---|---|---|
| | | 1 | R07C10 | 5 | RACK R07C10 ASSEMBLY | 94028612 |
| | | 1 | R07C09 | 4 | RACK R07C09 ASSEMBLY | 94028611 |
| | | 1 | R07C08 | 3 | RACK R07C08 ASSEMBLY | 94028610 |
| | | 1 | | 2 | RACKS R07C01 - R07C07 ASSEMBLY | 94028617 |
| | | 1 | | 1 | RHIC CONTROLS BLDG. 1007C WIRING DIAGRAM | 94028624 |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
.X ±NA
.XX ±NA
.XXX ±NA
ANGULAR TOLERANCE ±.5°
OUTSTANDING ECN
NA FINISH
BREAK SHARP EDGES
MAX. XX MIN. XX

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |
| NEXT ASSEMBLY | | |

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C FLOOR PLAN

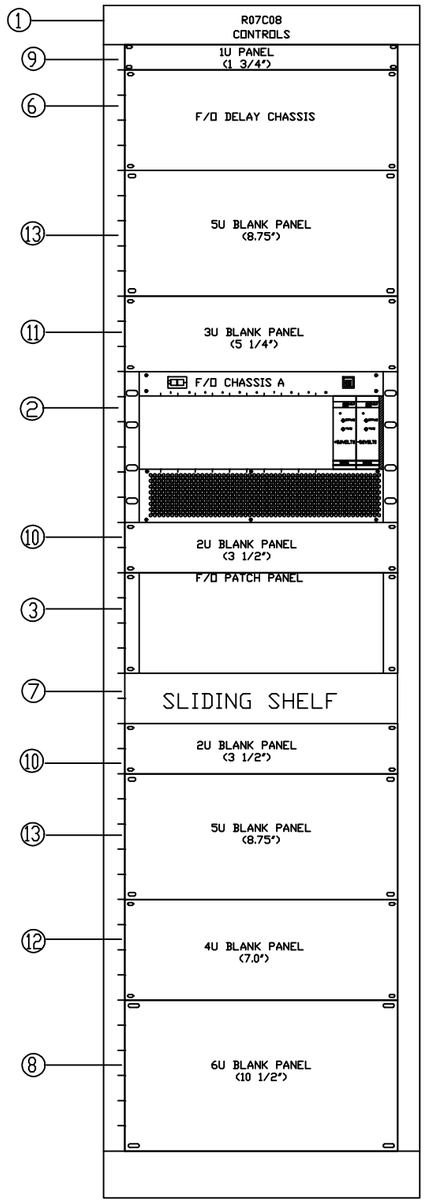
SIZE D | DRAWING NUMBER 94028609 | REV. A

MATERIAL: ——— | SCALE: NA | WEIGHT: – | SHEET 1 OF 1

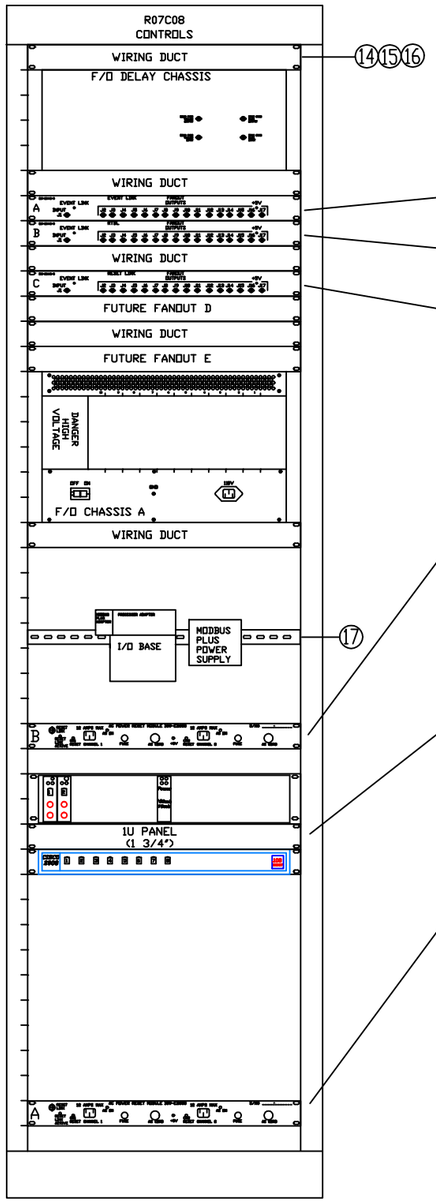
*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

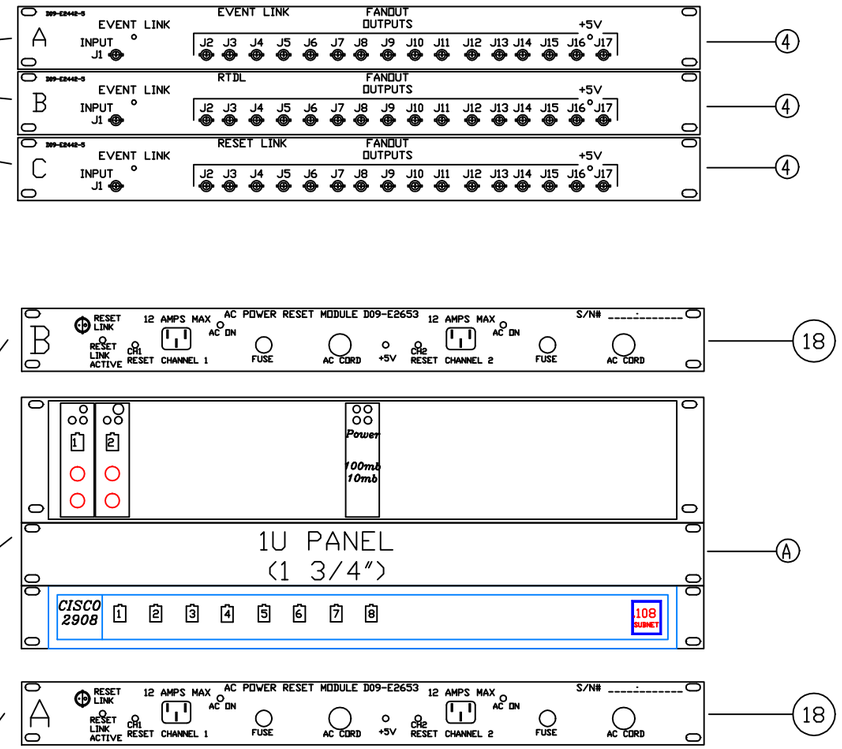
CONTROLS- 5/30/03 2:11 PM 8610.dwg




FRONT VIEW




REAR VIEW




| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | 2 | A,B | 18 | AC POWER RESET MODULE | D09-E2653 |
| | | 1 | N/A | 17 | MODICON HARDWARE | X |
| | | 10 | N/A | 16 | WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C) | X |
| | | 5 | N/A | 15 | WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6) | X |
| | | 5 | N/A | 14 | WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6) | X |
| | | 2 | N/A | 13 | 5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553) | X |
| | | 1 | N/A | 12 | 4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553) | X |
| | | 1 | N/A | 11 | 3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553) | X |
| | | 2 | N/A | 10 | 2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553) | X |
| | | 1 | N/A | 9 | 1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553) | X |
| | | 1 | N/A | 8 | 6U x 19" BLANK PANEL (PREMIER METAL ARP-1019-553) | X |
| | | 1 | N/A | 7 | SLIDING SHELF (PREMIER METAL TWS-319) | X |
| | | 1 | N/A | 6 | FIBER OPTIC DELAY CHASSIS ASSY. | 94028277 |
| | | 1 | A | 5 | ETHERNET REPEATER | X |
| | | 3 | A,B,C | 4 | FANOUT ASSEMBLY | D09-E2442 |
| | | 1 | N/A | 3 | FIBER OPTIC PATCH PANEL | X |
| | | 1 | N/A | 2 | F/O CHASSIS A | 94028348 |
| | | 1 | N/A | 1 | 19" RACK, 77"H RACK SPACE | X |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH — BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/23/97 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

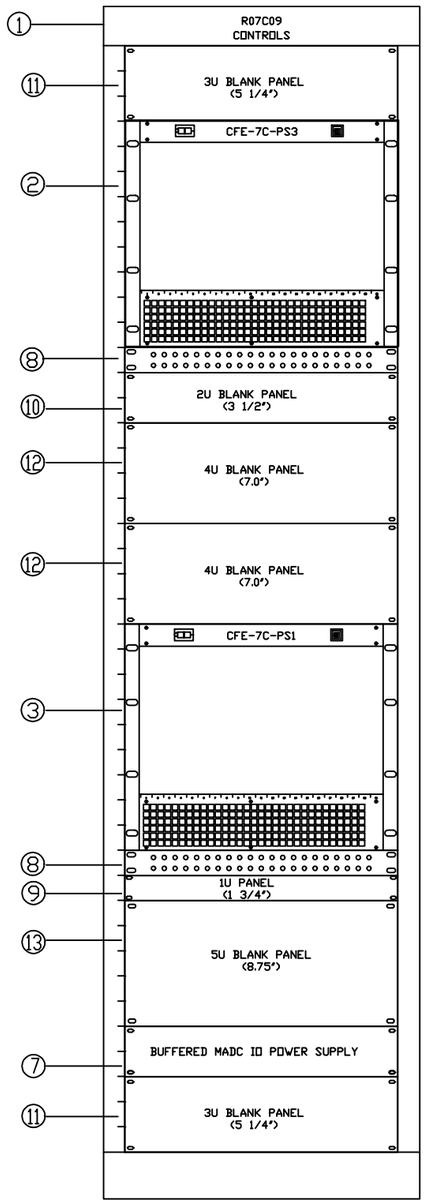
RHIC CONTROLS
ALCOVE 1007C

RACK R07C8 ASSEMBLY

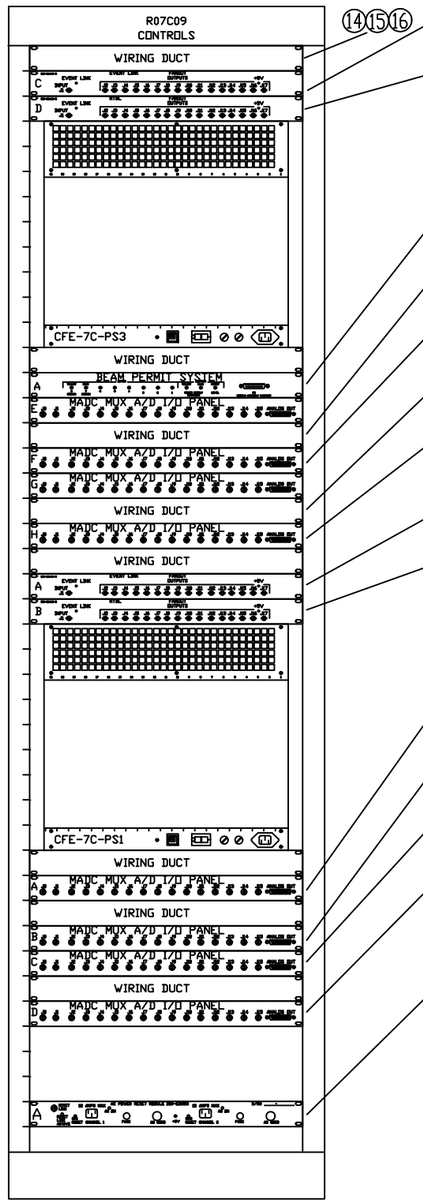
SIZE D — DRAWING NUMBER 94028610 — REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

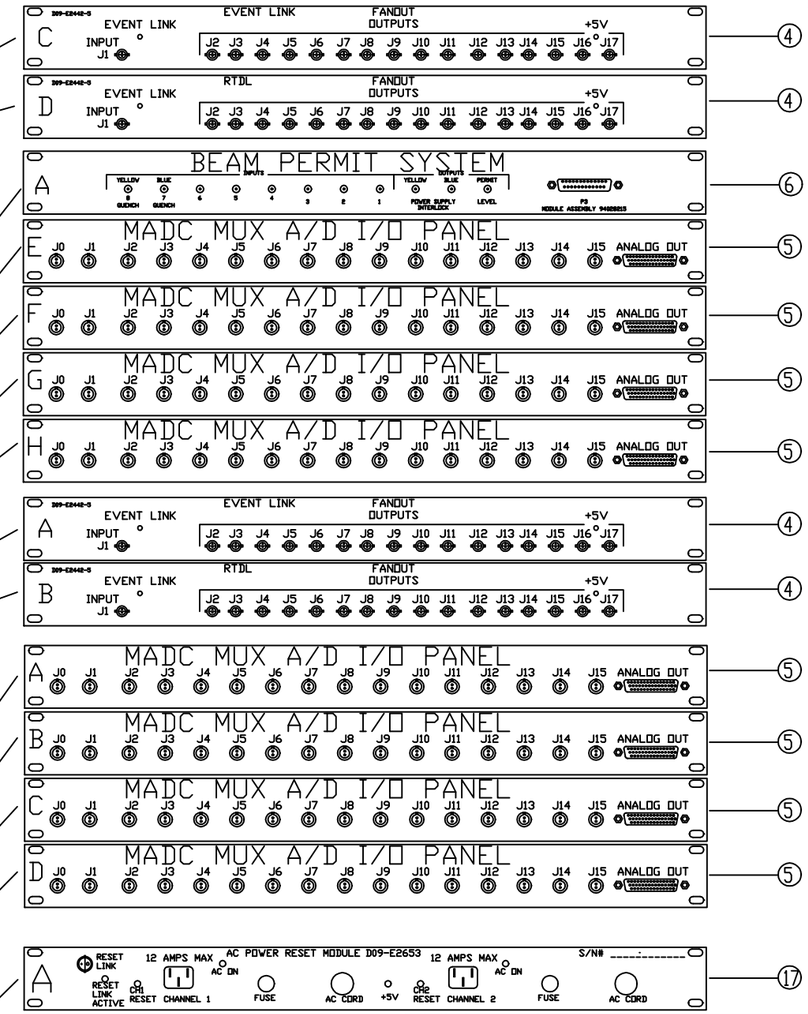
*AUTOCAD




FRONT VIEW




REAR VIEW




| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

ACS, BNL 8/23/00 2:44 PM 8611.dwg

| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | 1 | N/A | 17 | AC POWER RESET MODULE | D09-E2653 |
| | | 16 | N/A | 16 | WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C) | X |
| | | 8 | N/A | 15 | WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6) | X |
| | | 8 | N/A | 14 | WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6) | X |
| | | 1 | N/A | 13 | 5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553) | X |
| | | 2 | N/A | 12 | 4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553) | X |
| | | 2 | N/A | 11 | 3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553) | X |
| | | 1 | N/A | 10 | 2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553) | X |
| | | 1 | N/A | 9 | 1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553) | X |
| | | 2 | N/A | 8 | GROMMET PANEL | 94028410 |
| | | 1 | N/A | 7 | BUFFERED MADC POWER SUPPLY | 94028808 |
| | | 1 | A | 6 | BEAM PERMIT SYSTEM INTERFACE PANEL | 94028215 |
| | | 8 | A-H | 5 | BUFFERED MADC A/D I/O PANEL | 94028670 |
| | | 4 | A,B,C,D | 4 | FANOUT ASSEMBLY | D09-E2442 |
| | | 1 | N/A | 3 | VME CHASSIS CFE-5C-PS1 ASSY. | 94028300 |
| | | 1 | N/A | 2 | VME CHASSIS CFE-5C-PS3 ASSY. | 94028299 |
| | | 1 | N/A | 1 | 19" RACK, 77"H RACK SPACE | X |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/28/97 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C

RACK R07C09 ASSEMBLY

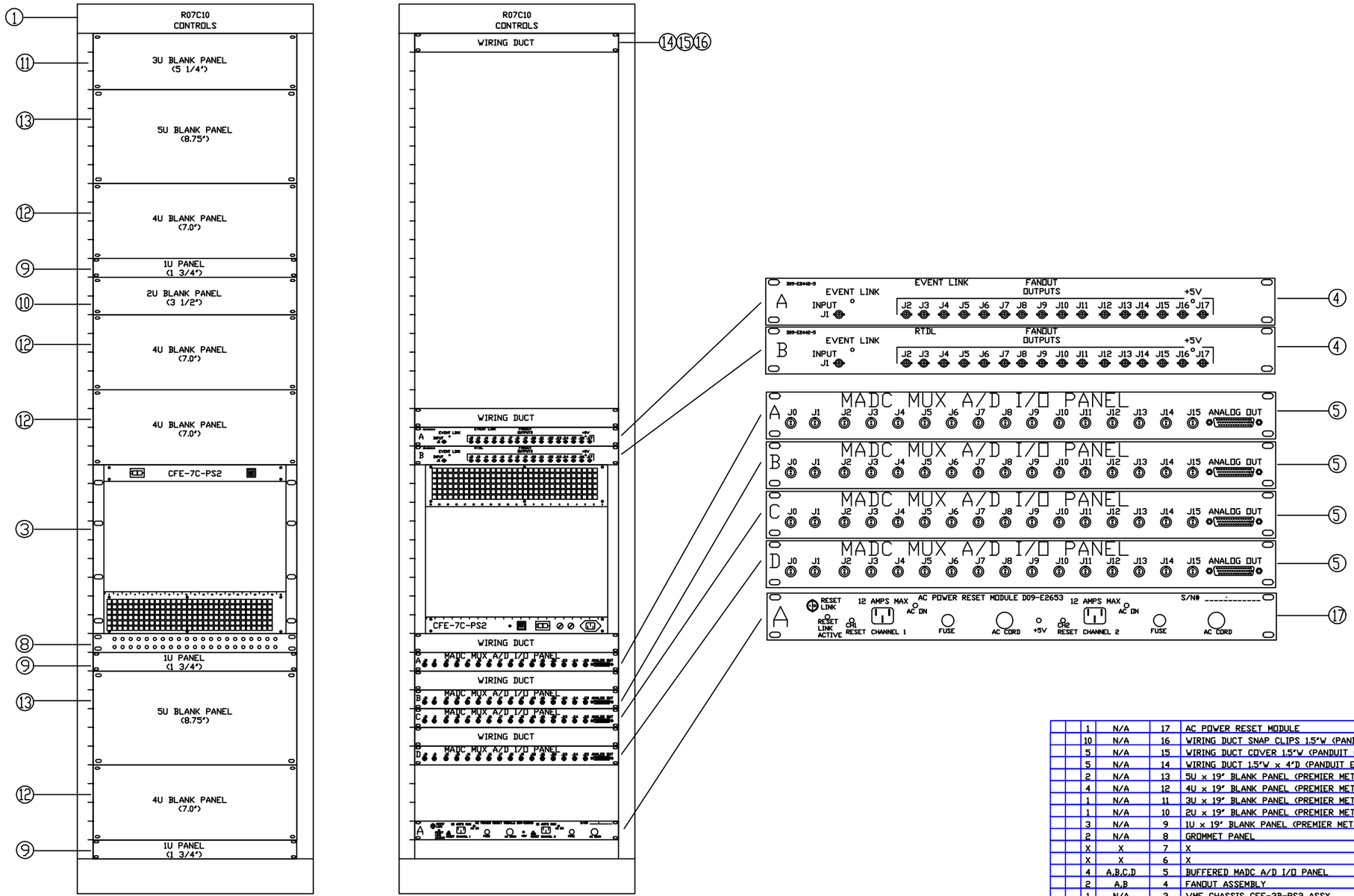
SIZE D | DRAWING NUMBER 94028611 | REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

ACS, BNL 8/23/00 2:47 PM8612.dwg




| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | 1 | N/A | 17 | AC POWER RESET MODULE | D09-E2653 |
| | | 10 | N/A | 16 | WIRING DUCT SNAP CLIPS 1.5"W (PANDUIT S1.5-C) | X |
| | | 5 | N/A | 15 | WIRING DUCT COVER 1.5"W (PANDUIT C1.5LG6) | X |
| | | 5 | N/A | 14 | WIRING DUCT 1.5"W x 4"D (PANDUIT E1.5X4LG6) | X |
| | | 2 | N/A | 13 | 5U x 19" BLANK PANEL (PREMIER METAL ARP-819-553) | X |
| | | 4 | N/A | 12 | 4U x 19" BLANK PANEL (PREMIER METAL ARP-719-553) | X |
| | | 1 | N/A | 11 | 3U x 19" BLANK PANEL (PREMIER METAL ARP-519-553) | X |
| | | 1 | N/A | 10 | 2U x 19" BLANK PANEL (PREMIER METAL ARP-319-553) | X |
| | | 3 | N/A | 9 | 1U x 19" BLANK PANEL (PREMIER METAL ARP-119-553) | X |
| | | 2 | N/A | 8 | GROMMET PANEL | 94028410 |
| | | X | X | 7 | X | X |
| | | X | X | 6 | X | X |
| | | 4 | A,B,C,D | 5 | BUFFERED MADC A/D I/O PANEL | 94028670 |
| | | 2 | A,B | 4 | FANOUT ASSEMBLY | D09-E2442 |
| | | 1 | N/A | 3 | VME CHASSIS CFE-3B-PS2 ASSY. | 94028351 |
| | | X | X | 2 | X | X |
| | | 1 | N/A | 1 | 19" RACK, 77"H RACK SPACE | X |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

FINISH: NA

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/23/97 |
| SUPVR. APPROVAL | | |
| NEXT ASSEMBLY | | |

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C

RACK R07C10 ASSEMBLY

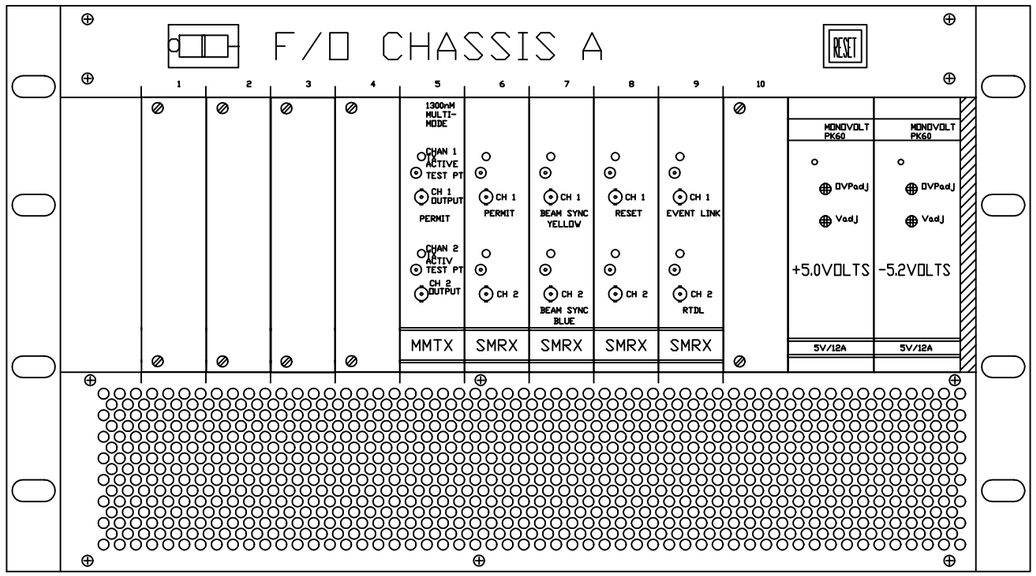
SIZE D — DRAWING NUMBER 94028612 — REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

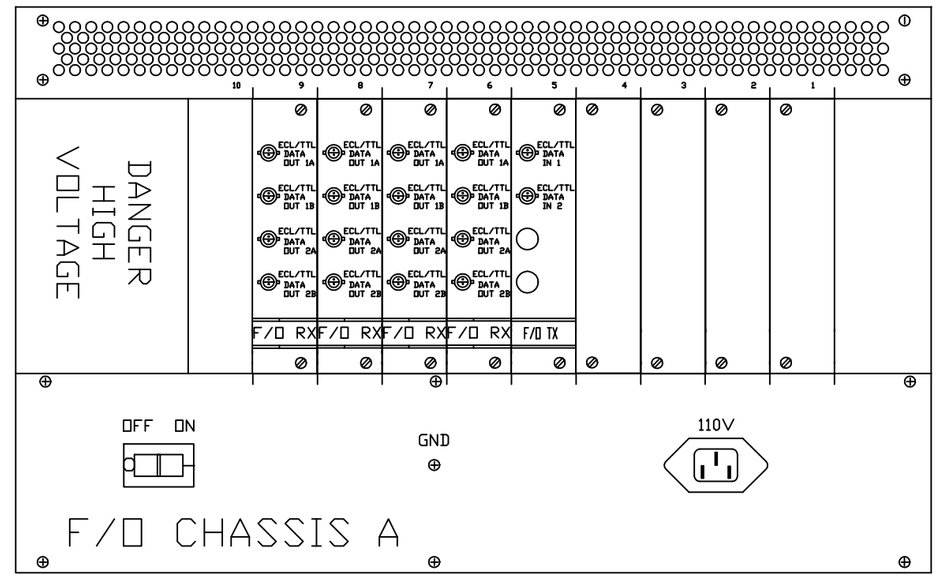
*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

Controls 8/11/99 2:19 PM 8613.dwg




FRONT VIEW




REAR VIEW

| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,SHL NO. |
|---|---|---|---|---|---|---|
| | | 1 | SLOT 7 | 7 | 3U FIBER OPTIC RECEIVER TRANSITION MODULE, ECL | D09-E2541-3 |
| | | 6 | ALL UNUSED | 6 | 3U x 6HP BLANK PANEL (ELECTRO-SPACE ESFE-3032) | X |
| | | 3 | SLOT6,8,9 | 5 | 3U FIBER OPTIC RECEIVER TRANSITION MODULE, TTL | D09-E2542-3 |
| | | 4 | SLOT6,7,8,9 | 4 | 3U FIBER OPTIC RECEIVER MODULE, MULTIMODE/SINGLEMODE | 94028101 |
| | | 1 | SLOT 5 | 3 | 3U FIBER OPTIC TRANSMITTER TRANSITION MODULE, TTL | D09-E2495-3 |
| | | 1 | SLOT 5 | 2 | 3U FIBER OPTIC TRANSMITTER MODULE, MULTIMODE | 94028168 |
| | | 1 | N/A | 1 | 3U FIBER OPTIC CHASSIS | 94028261 |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/20/97 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C RACK R07C08

F/O CHASSIS A ASSY.

SIZE D

DRAWING NUMBER 94028613

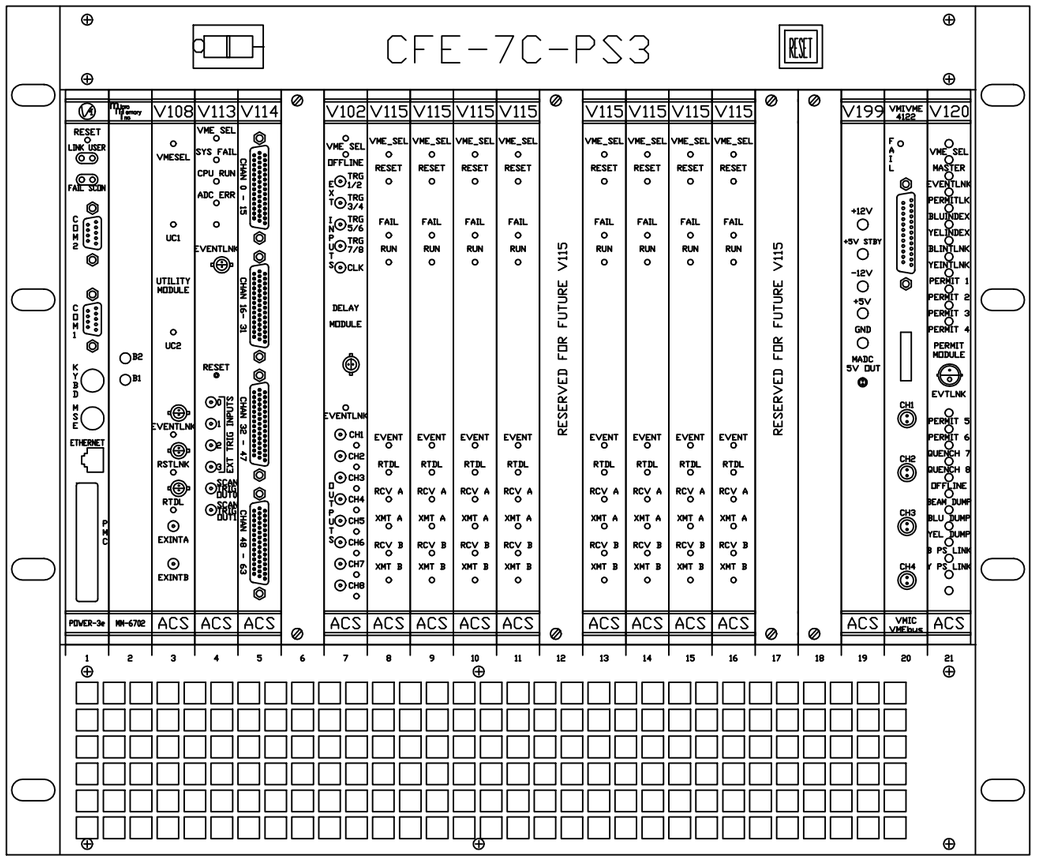
REV. A

MATERIAL: ——— SCALE: NA WEIGHT: – SHEET 1 OF 1

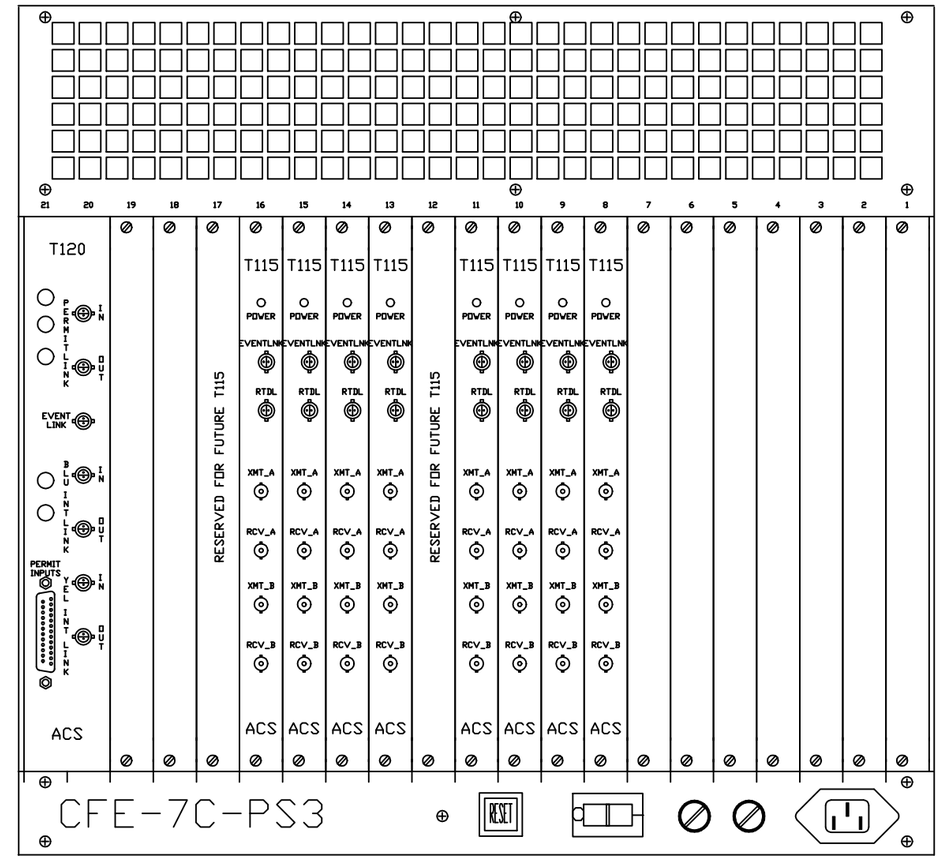
*AUTOCAD

CONTROLS- 6/17/03 1:03 PM 8614.dwg

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|




FRONT VIEW




REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

| QTY REQD -3 | QTY REQD -2 | QTY REQD -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,SHL NO. |
|---|---|---|---|---|---|---|
| | | 1 | SLOT 19 | 17 | V199 VOLTAGE MONITOR BD | XXXXXX |
| | | 4 | SL 13-16 | 16 | T115 WAVEFORM GENERATOR TRANSITION MODULE | 94028126 |
| | | 4 | SL 13-16 | 15 | V115 WAVEFORM GENERATOR MODULE | 94028108 |
| | | 4 | SL 8-11 | 14 | T115 WAVEFORM GENERATOR TRANSITION MODULE | 94028126 |
| | | 4 | SL 8-11 | 13 | V115 WAVEFORM GENERATOR MODULE | 94028108 |
| | | 1 | SLOT 2 | 12 | MM6702 MEMORY MODULE (MICRO MEMORY) | X |
| | | 1 | SLOT 20 | 11 | VMIVME 4122 | 94028793 |
| | | 16 | SEE NOTE 1 | 10 | VME BLANK PANEL (ELECTRO-SPACE ESFE-2985) | |
| | | 1 | SLOT 21 | 9 | T120 PERMIT SYSTEM TRANSITION MODULE | 94028199-2 |
| | | 1 | SLOT 21 | 8 | V120 PERMIT SYSTEM MODULE | 94028077 |
| | | 1 | SLOT 7 | 7 | V102 DELAY MODULE | 94028072 |
| | | | | 6 | | |
| | | 1 | SLOT5 | 5 | V114 MADC A/D CONVERTER MODULE | 94028226 |
| | | 1 | SLOT4 | 4 | V113 MADC CONTROLLER MODULE | 94028140 |
| | | 1 | SLOT 3 | 3 | V108 UTILITY MODULE | 94028094 |
| | | 1 | SLOT 1 | 2 | FRONT END COMPUTER | POWER-3e |
| | | 1 | N/A | 1 | VME CHASSIS | RHIC-93008000 |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/28/97 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C RACK R07C09

VME CHASSIS CFE-7C-PS3

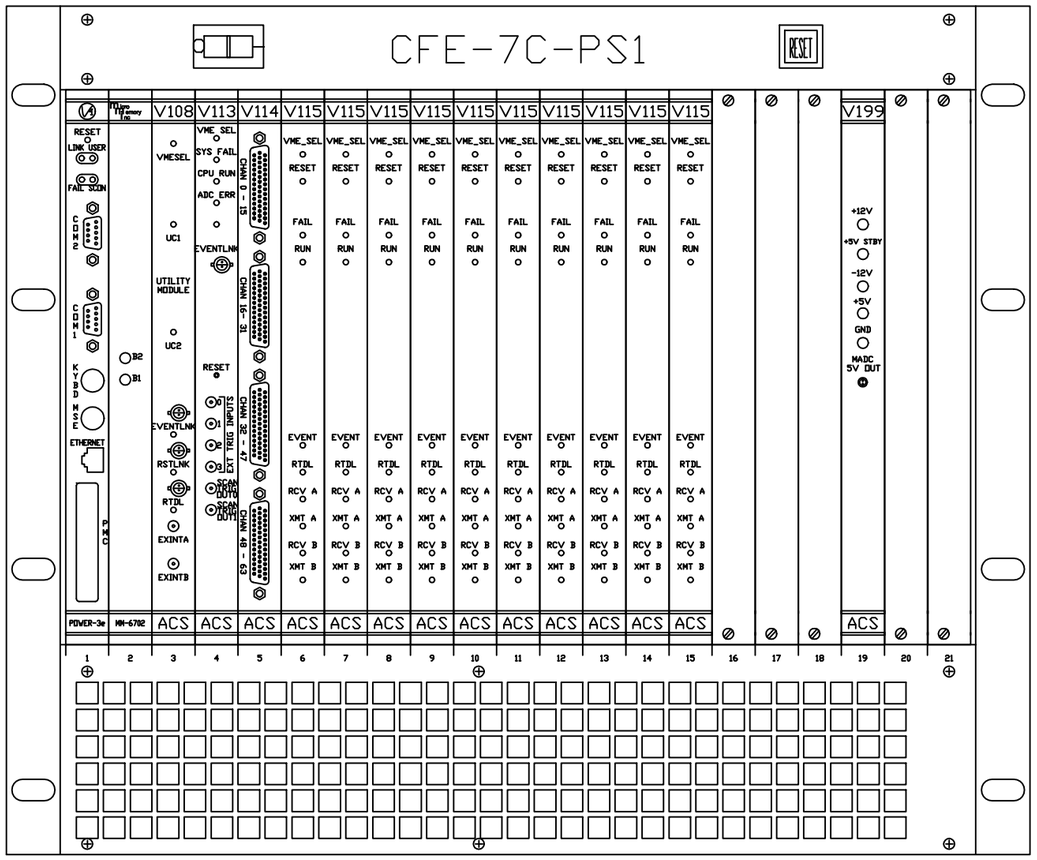
SIZE D | DRAWING NUMBER 94028614 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

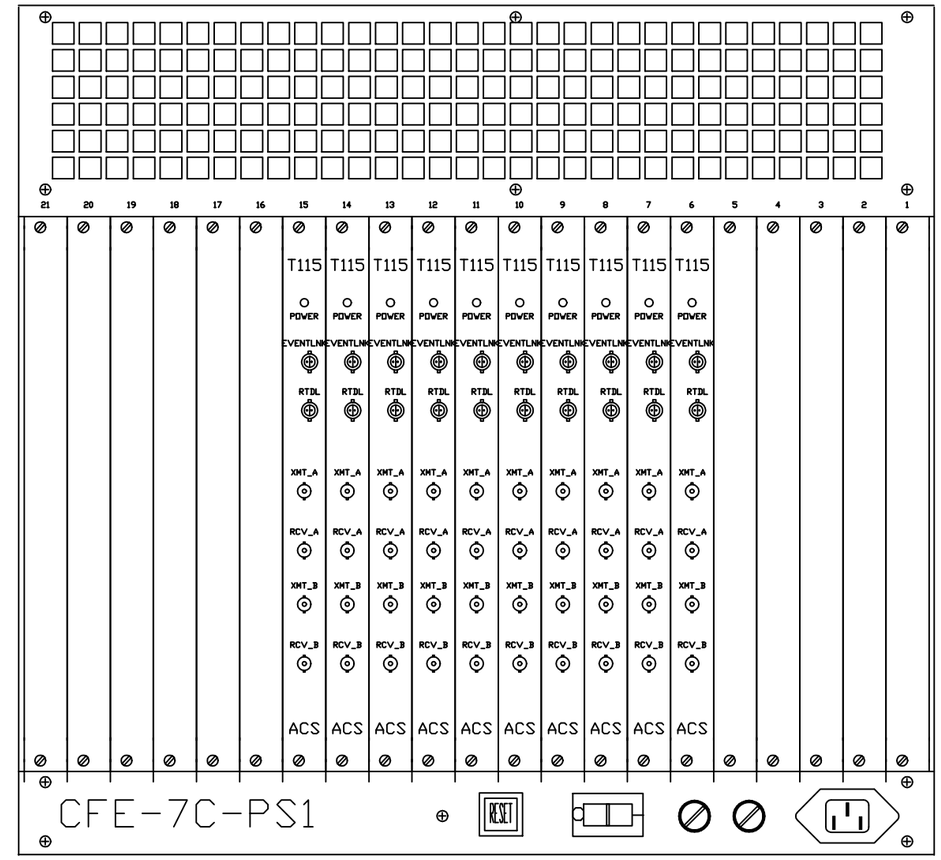
*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

CONTROLS- 6/17/03 1:06 PM 8615.dwg




FRONT VIEW




REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,SPNL NO. |
|---|---|---|---|---|---|---|
| | | 1 | SLOT 19 | 10 | V199 VOLTAGE MONITOR BD | XXXXXX |
| | | 1 | SLOT 2 | 9 | MM6702 MEMORY MODULE (MICRO MEMORY) | X |
| | | 17 | SEE NOTE 1 | 8 | VME BLANK PANEL (ELECTRO-SPACE ESFE-2985) | |
| | | 10 | SLOT 6-15 | 7 | T115 WAVEFORM GENERATOR TRANSITION MODULE | 94028126 |
| | | 10 | SLOT 6-15 | 6 | V115 WAVEFORM GENERATOR MODULE | 94028108 |
| | | 1 | SLOT5 | 5 | V114 MADC A/D CONVERTER MODULE | 94028226 |
| | | 1 | SLOT4 | 4 | V113 MADC CONTROLLER MODULE | 94028140 |
| | | 1 | SLOT 3 | 3 | V108 UTILITY MODULE | 94028094 |
| | | 1 | SLOT 1 | 2 | FRONT END COMPUTER | POWER-3e |
| | | 1 | N/A | 1 | VME CHASSIS | RHIC-93008000 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C RACK R07C09

VME CHASSIS CFE-7C-PS1

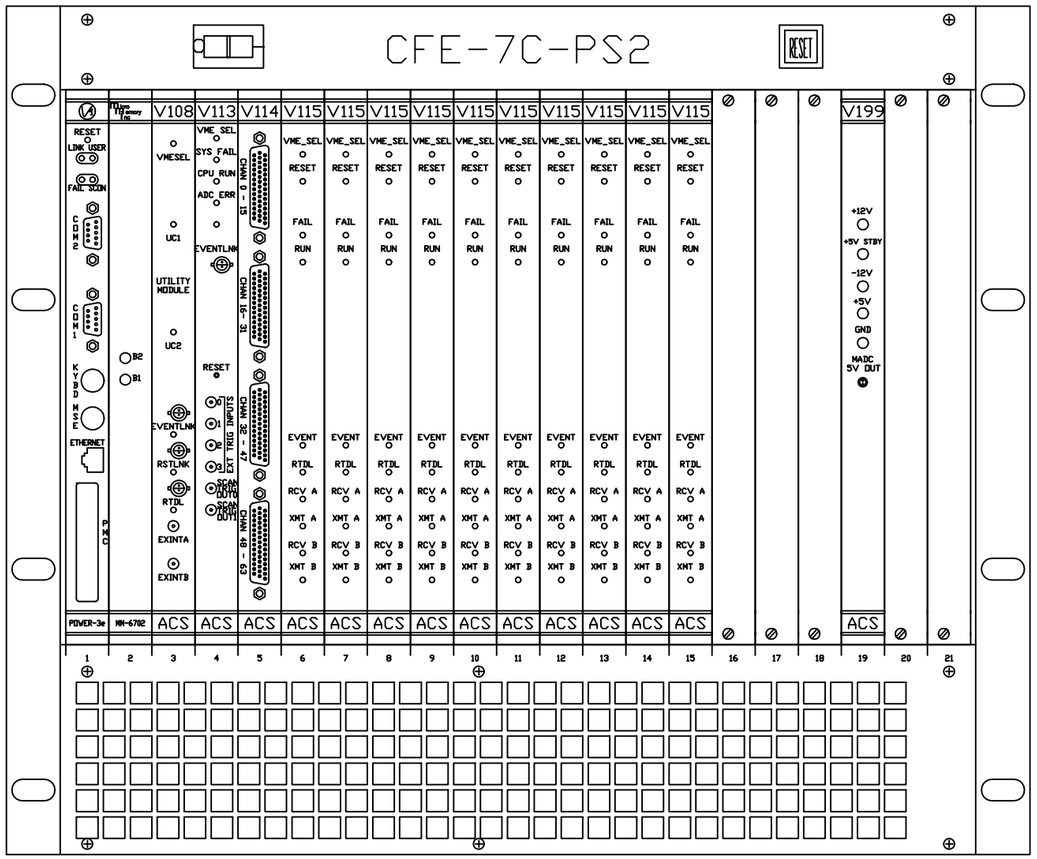
SIZE D | DRAWING NUMBER 94028615 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

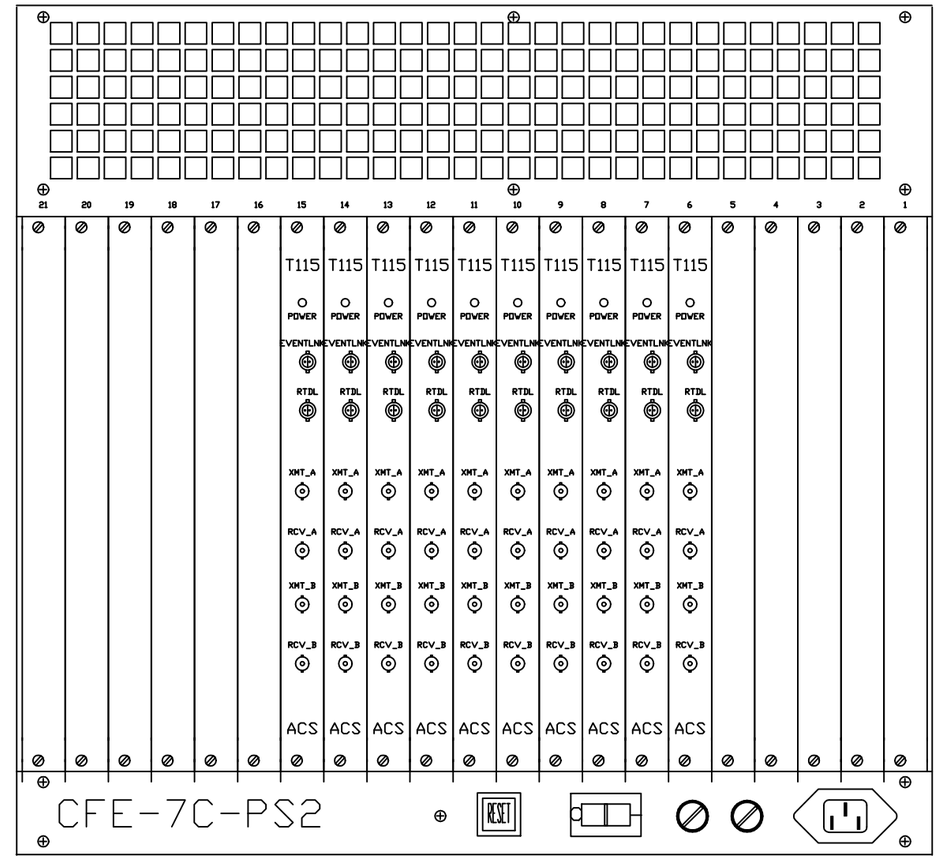
*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

CONTROLS- 6/17/03 1:08 PM 8616.dwg




FRONT VIEW




REAR VIEW

NOTE:

1. ALL UNUSED SLOTS, FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,SPNL NO. |
|---|---|---|---|---|---|---|
| | | 1 | SLOT 19 | 10 | V199 VOLTAGE MONITOR BD | XXXXXX |
| | | 1 | SLOT 2 | 9 | MM-6702 MEMORY MODULE (MICRO MEMORY) | |
| | | 17 | SEE NOTE 1 | 8 | VME BLANK PANEL (ELECTRO-SPACE ESFE-2985) | |
| | | 10 | SLOT 6-15 | 7 | T115 WAVEFORM GENERATOR TRANSITION MODULE | 94028126 |
| | | 10 | SLOT 6-15 | 6 | V115 WAVEFORM GENERATOR MODULE | 94028108 |
| | | 1 | SLOT5 | 5 | V114 MADC A/D CONVERTER MODULE | 94028226 |
| | | 1 | SLOT4 | 4 | V113 MADC CONTROLLER MODULE | 94028140 |
| | | 1 | SLOT 3 | 3 | V108 UTILITY MODULE | 94028094 |
| | | 1 | SLOT 1 | 2 | FRONT END COMPUTER | POWER-3e |
| | | 1 | N/A | 1 | VME CHASSIS | RHIC-93008000 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Venegas | 8/11/99 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 10/28/97 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS

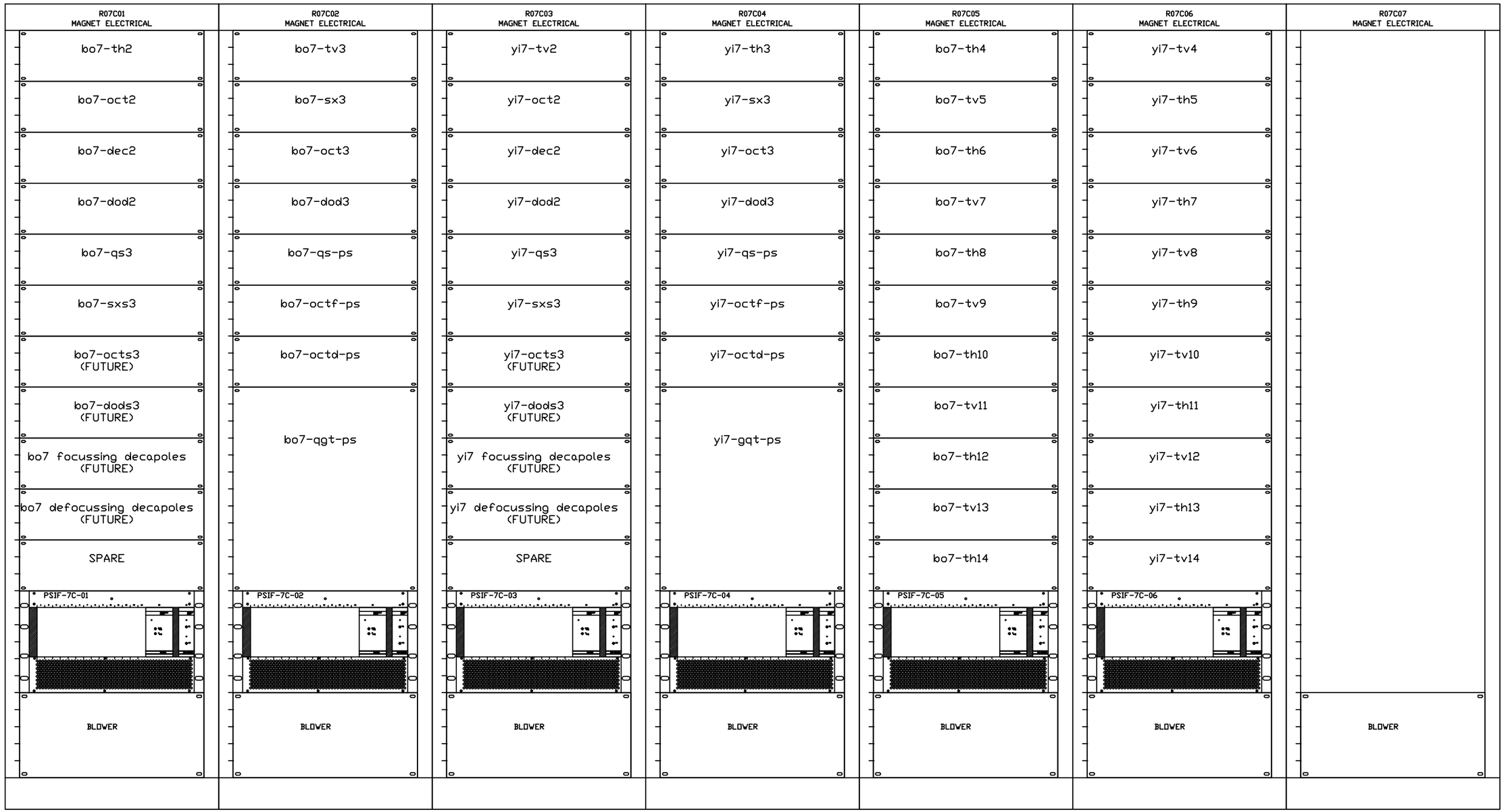
ALCOVE 1007C RACK R07A10

VME CHASSIS CFE-7C-PS2

SIZE D | DRAWING NUMBER 94028616 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD




FRONT VIEW

| QTY | REF DESIG | ITEM | DESCRIPTION | DWG NO.,BNL NO. |
|---|---|---|---|---|
| 7 | | 10 | BLOWER (PREMIER METAL PMB-8-525) | |
| 1 | | 9 | RACK R07A01 - R07A07 WIRING DIAGRAM | xxxx |
| 48 | | 8 | 50 AMP CORRECTOR POWER SUPPLIES | xxxx |
| 2 | | 7 | GAMMA-T CORRECTOR POWER SUPPLIES | xxxx |
| 1 | | 6 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-06 ASSY. | 94028623 |
| 1 | | 5 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-05 ASSY. | 94028622 |
| 1 | | 4 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-04 ASSY. | 94028621 |
| 1 | | 3 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-03 ASSY. | 94028620 |
| 1 | | 2 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-02 ASSY. | 94028619 |
| 1 | | 1 | LOW RESOLUTION POWER SUPPLY INTERFACE CHASSIS PSIF-7C-01 ASSY. | 94028618 |

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | X | X | X | X | X |

QTY REQD

OUTSTANDING ECN

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

Q.A. CATEGORY A-3

| | | |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

ALCOVE 1007C

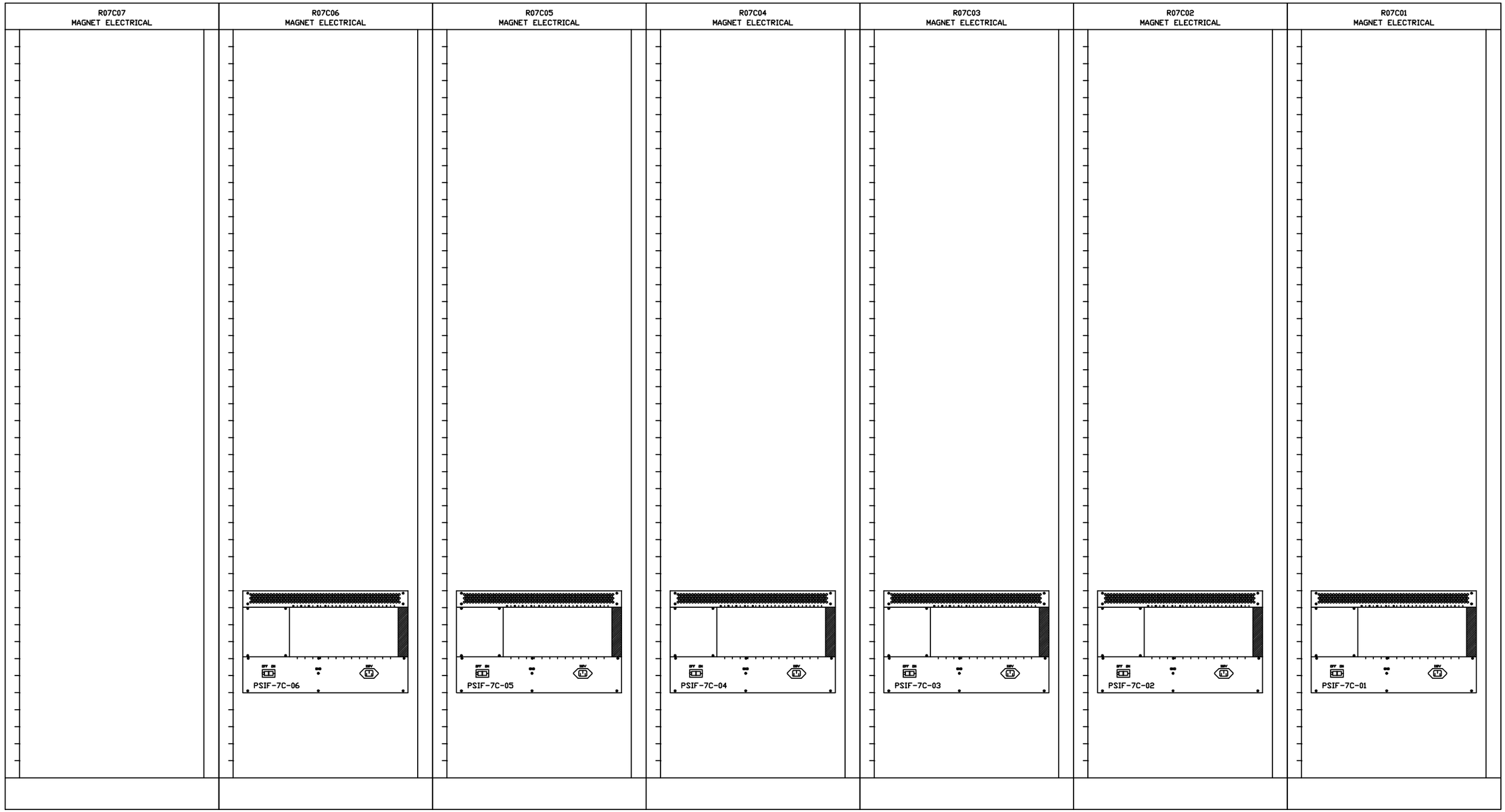
RACKS R07C01-R07C07 ASSEMBLY

SIZE D | DRAWING NUMBER 94028617 | REV. A

MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 1 OF 2

*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|




REAR VIEW

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,SPEC. NO. |
|---|---|---|---|---|---|---|
| QTY REQD | | | | | | |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
.X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE
± .5°

NA FINISH

BREAK SHARP EDGES
MAX. XX MIN. XX

OUTSTANDING ECN

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |
| NEXT ASSEMBLY | | |

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS

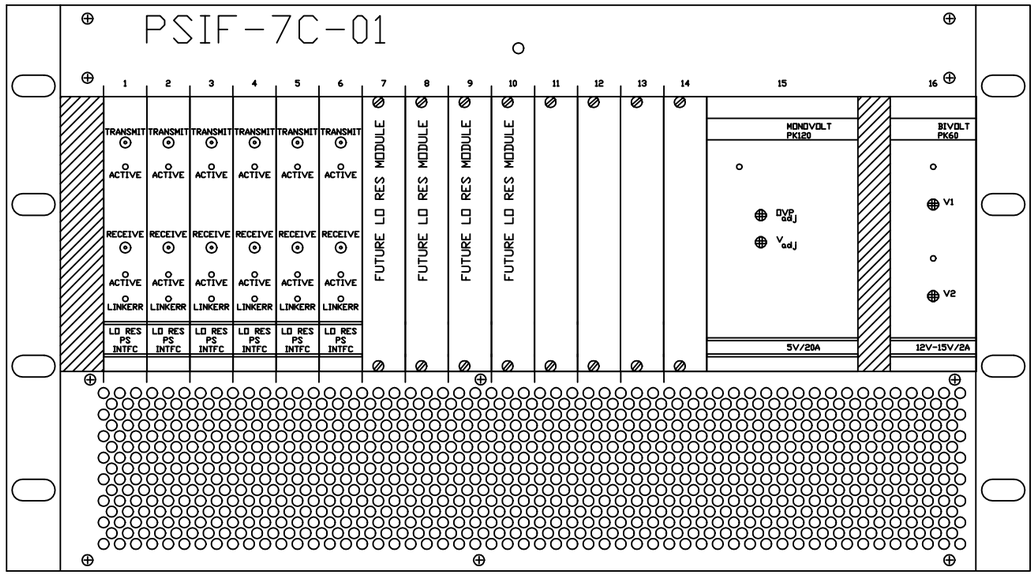
ALCOVE 1007C

RACKS R07C01-R07C07 ASSEMBLY

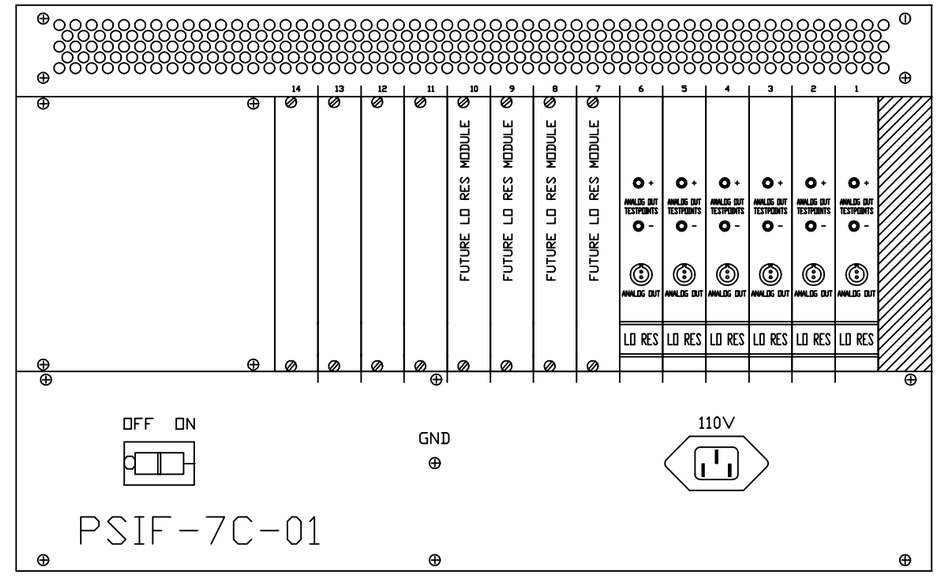
SIZE D | DRAWING NUMBER 94028617 | REV. A

MATERIAL: ——— | SCALE: FULL | WEIGHT: – | SHEET 2 OF 2

*AUTOCAD




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | QTY REQD | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,DIM. NO. |
|---|---|---|---|---|---|---|---|
| | | 16 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | | |
| | | 6 | SLOT 1-6 | 3 | LO RES PS INTERFACE TRANSITION MODULE | | 94028198 |
| | | 6 | SLOT 1-6 | 2 | LO RES PS INTERFACE MODULE | | 94028191 |
| | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | | 94028262 |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C

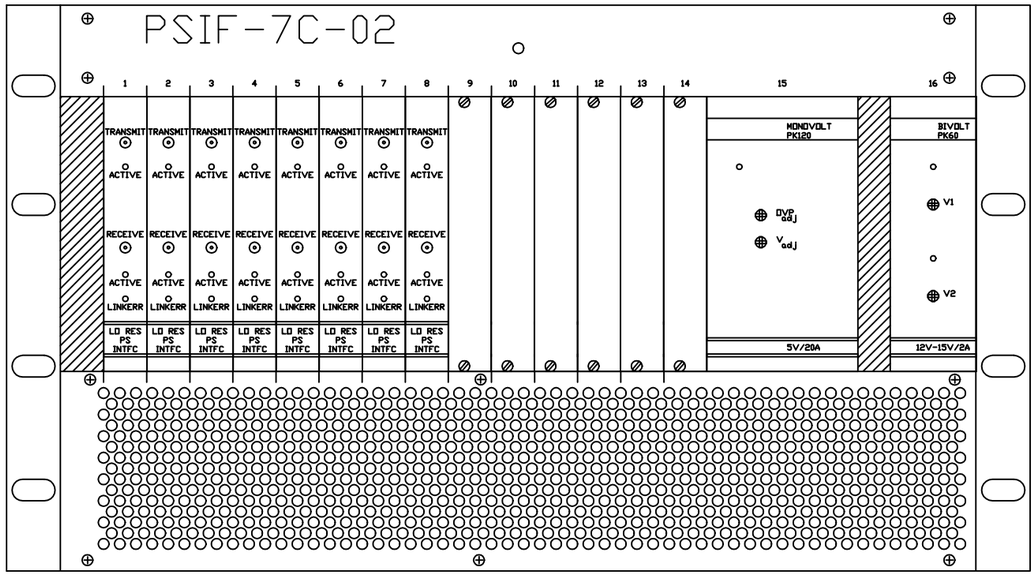
RACK R07C01, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-7C-01 ASSY

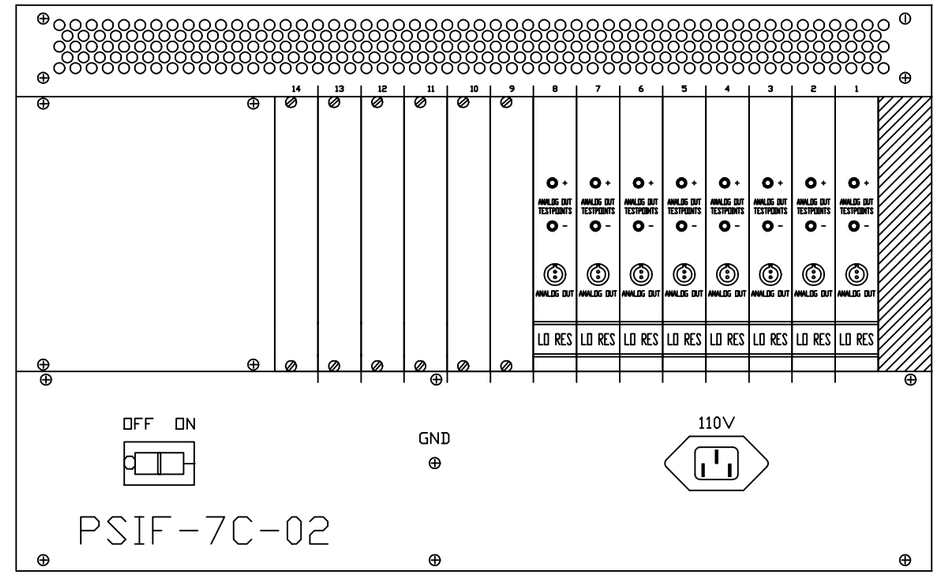
SIZE D | DRAWING NUMBER 94028618 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,DIM. NO. |
|---|---|---|---|---|---|---|
| | | 12 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | |
| | | 8 | SLOT 1-8 | 3 | LO RES PS INTERFACE TRANSITION MODULE | 94028198 |
| | | 8 | SLOT 1-8 | 2 | LO RES PS INTERFACE MODULE | 94028191 |
| | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | 94028262 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

FINISH NA — BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C

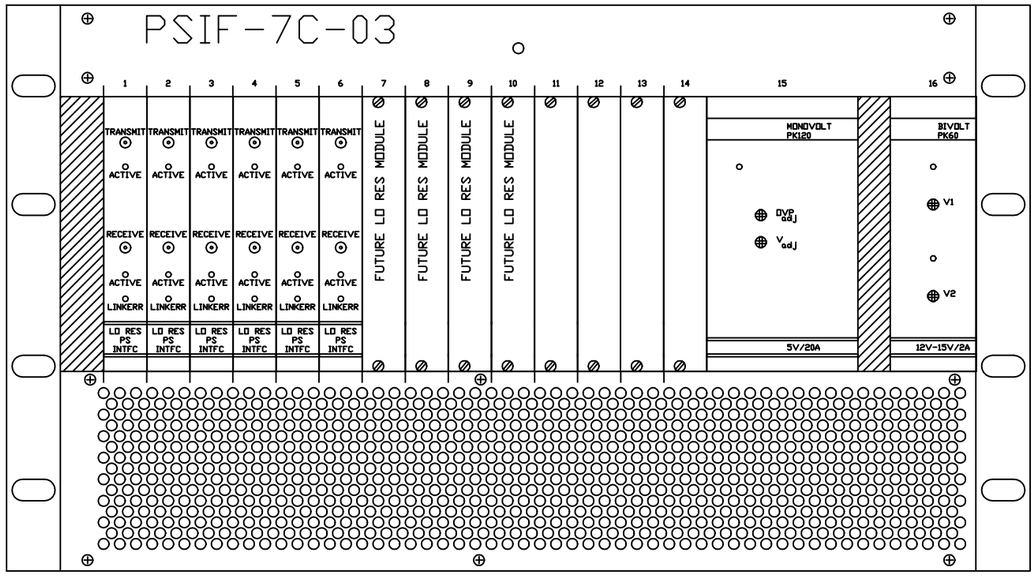
RACK R07C02, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-7C-02 ASSY

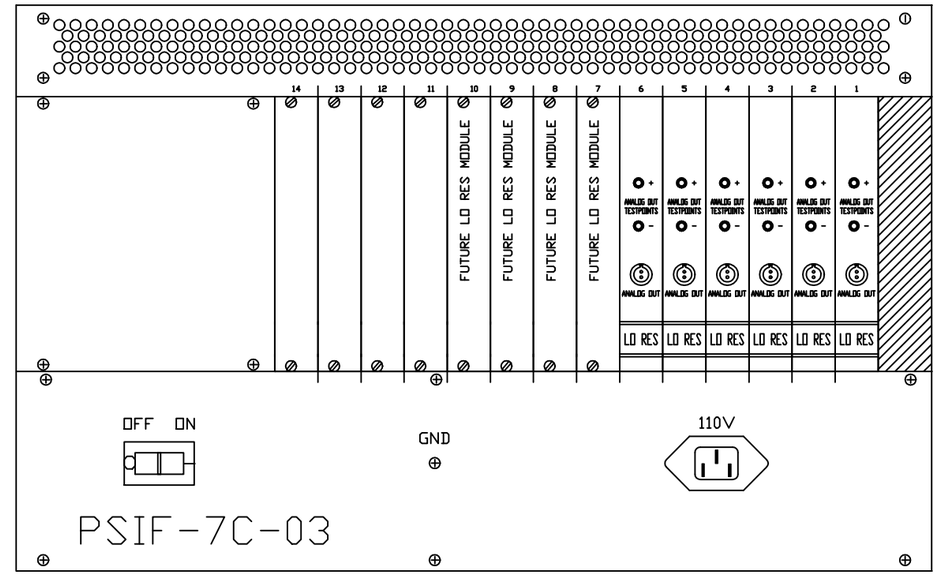
SIZE D — DRAWING NUMBER 94028619 — REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | QTY REQD | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,DIM. NO. |
|---|---|---|---|---|---|---|---|
| | | | 16 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | |
| | | | 6 | SLOT 1-6 | 3 | LO RES PS INTERFACE TRANSITION MODULE | 94028198 |
| | | | 6 | SLOT 1-6 | 2 | LO RES PS INTERFACE MODULE | 94028191 |
| | | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | 94028262 |

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°
NA FINISH
BREAK SHARP EDGES MAX. XX MIN. XX
OUTSTANDING ECN

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

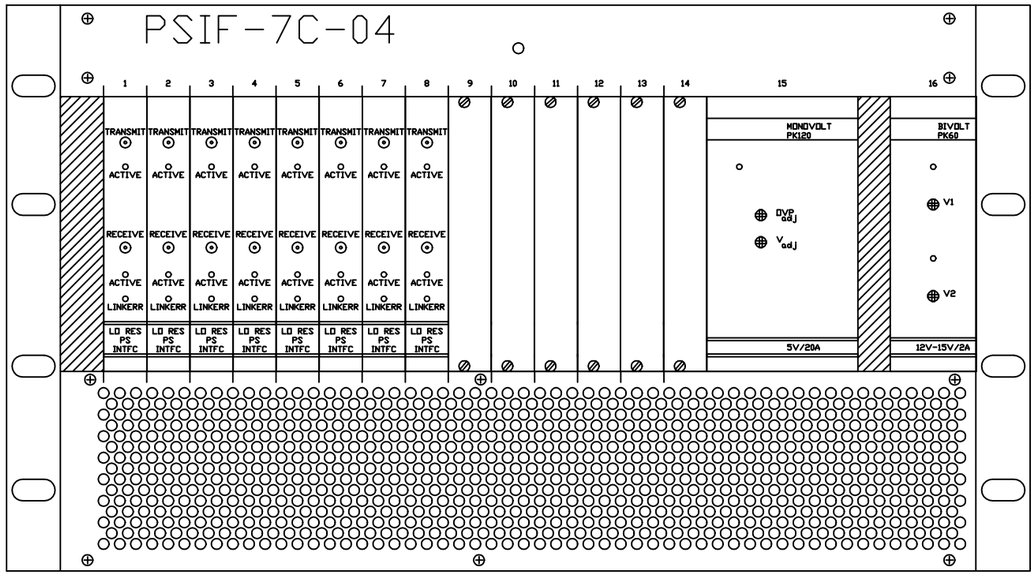
BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C
RACK R07C03, LOW RES PWR SPLY INTERFACE
CHASSIS PSIF-7C-03 ASSY

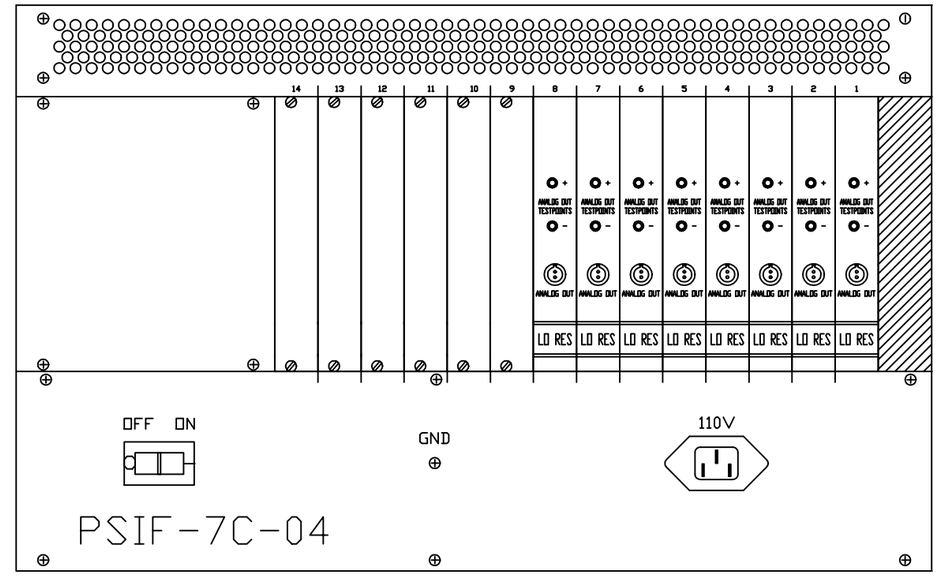
SIZE D | DRAWING NUMBER 94028620 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,DIM. NO. |
|---|---|---|---|---|---|---|
| | | 12 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | |
| | | 8 | SLOT 1-8 | 3 | LO RES PS INTERFACE TRANSITION MODULE | 94028198 |
| | | 8 | SLOT 1-8 | 2 | LO RES PS INTERFACE MODULE | 94028191 |
| | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | 94028262 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

OUTSTANDING ECN

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

Q.A. CATEGORY A-3

| | | DATE |
|---|---|---|
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C

RACK R07C04, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-7C-04 ASSY

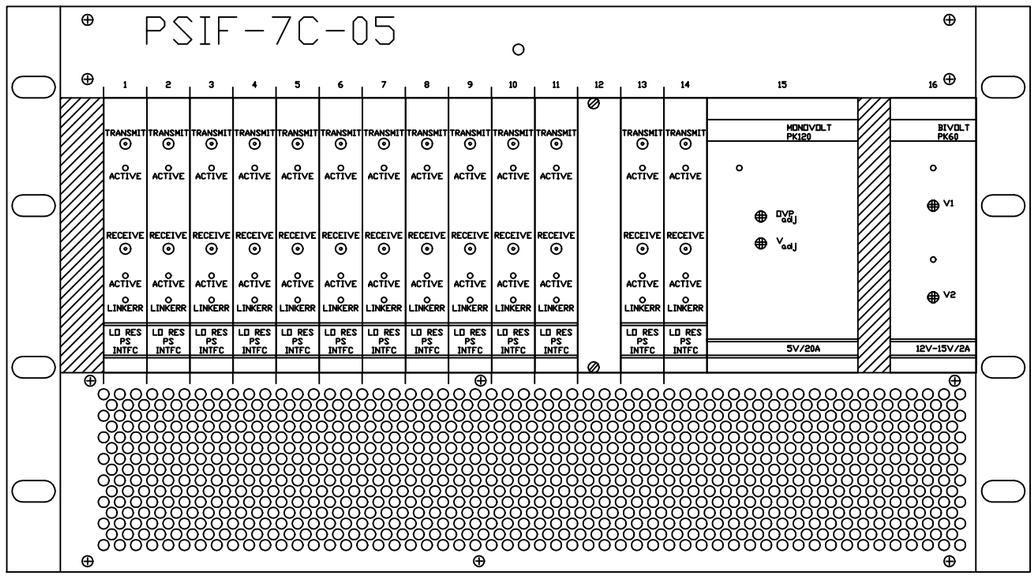
SIZE D | DRAWING NUMBER 94028621 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

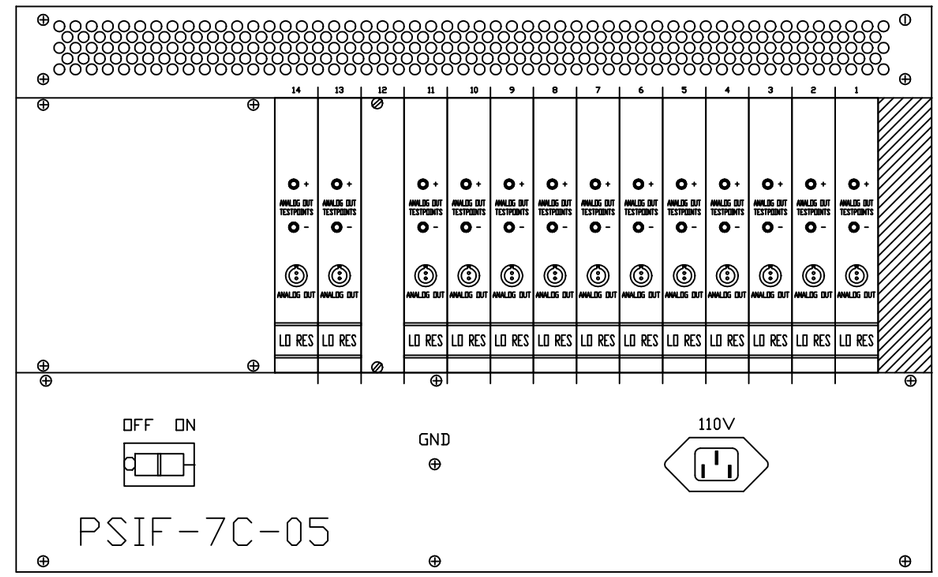
1 *AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
|---|---|---|---|---|---|---|

ACS, BNL 8/24/00 10:23 AM 8622.dwg




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L. DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | 2 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | |
| | | 13 | SL1-11,13,14 | 3 | LO RES PS INTERFACE TRANSITION MODULE | 94028198 |
| | | 13 | SL1-11,13,14 | 2 | LO RES PS INTERFACE MODULE | 94028191 |
| | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | 94028262 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

NA FINISH

BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |

NEXT ASSEMBLY

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C

RACK R07C05, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-7C-05 ASSY

SIZE D | DRAWING NUMBER 94028622 | REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

*AUTOCAD

| REV. | ZONE | ECN NO. | DATE | BY | CKR | APP. |
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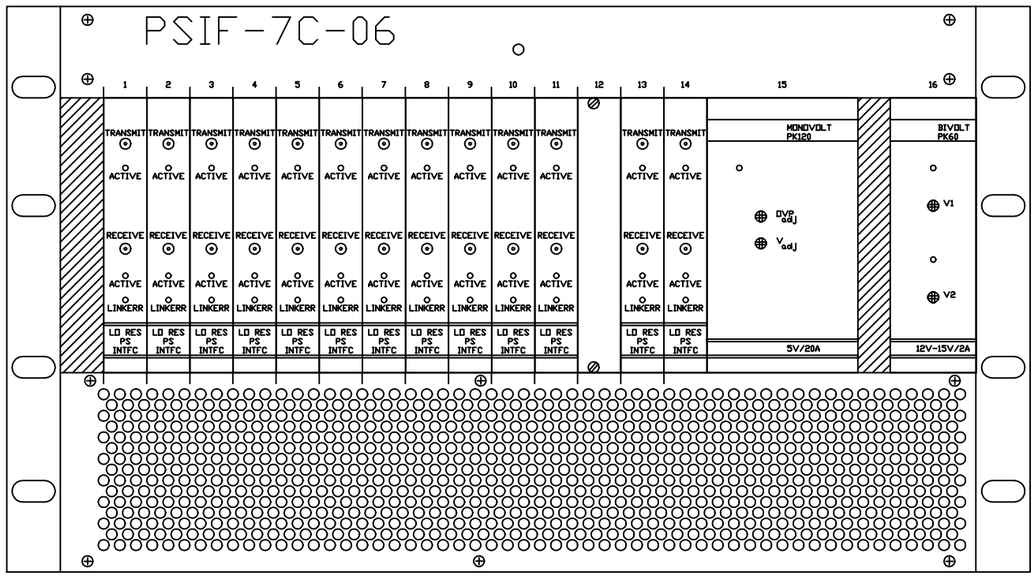
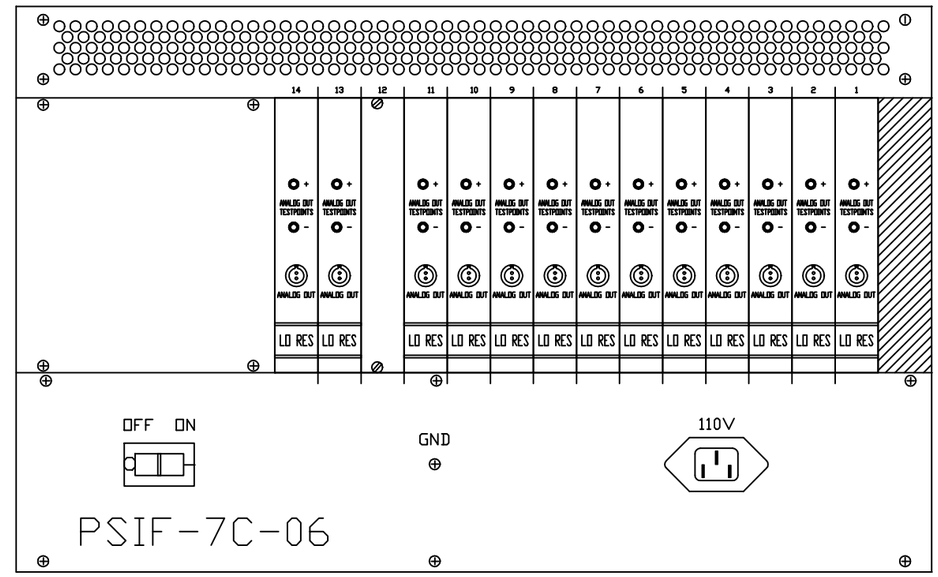
ACS, BNL 8/24/00 10:26 AM 8623.dwg




FRONT VIEW




REAR VIEW

NOTES:
1. ALL UNUSED SLOTS FRONT AND REAR

| -3 | -2 | -1 | REF DESIGNATOR | ITEM NO. | DESCRIPTION | MAT'L DWG NO.,BNL NO. |
|---|---|---|---|---|---|---|
| | | 2 | SEE NOTE 1 | 4 | 3U x 4HP BLANK PANEL (ELECTRO-SPACE ESFE-3549) | |
| | | 13 | SL1-11,13,14 | 3 | LO RES PS INTERFACE TRANSITION MODULE | 94028198 |
| | | 13 | SL1-11,13,14 | 2 | LO RES PS INTERFACE MODULE | 94028191 |
| | | 1 | N/A | 1 | 3U LO RES POWER SUPPLY INTERFACE CHASSIS | 94028262 |

QTY REQD

INTERPRET IN GENERAL ACCORDANCE WITH ASME Y14.24M-1989

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

DECIMAL TOLERANCES
X ±.030
.XX ±.015
.XXX ±.005
ANGULAR TOLERANCE ± .5°

FINISH NA BREAK SHARP EDGES MAX. XX MIN. XX

OUTSTANDING ECN

| | | |
|---|---|---|
| Q.A. CATEGORY A-3 | | DATE |
| DRAWN BY | Ed Koropsak | 3/5/98 |
| CHECKED BY | | |
| DESIGN APPROVAL | | |
| ENGINEER APPROVAL | R. MICHNOFF | 3/5/98 |
| SUPVR. APPROVAL | | |
| NEXT ASSEMBLY | | |

BROOKHAVEN NATIONAL LABORATORY
UPTON, N.Y. 11973

RHIC CONTROLS, ALCOVE 1007C

RACK R07C06, LOW RES PWR SPLY INTERFACE

CHASSIS PSIF-7C-06 ASSY

SIZE D — DRAWING NUMBER 94028623 — REV. A

MATERIAL: ——— SCALE: FULL WEIGHT: – SHEET 1 OF 1

1 *AUTOCAD