

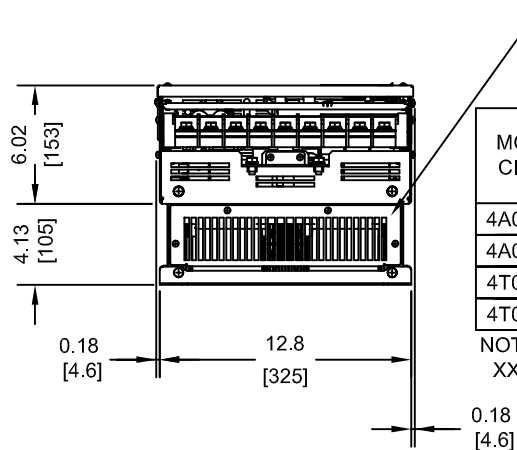
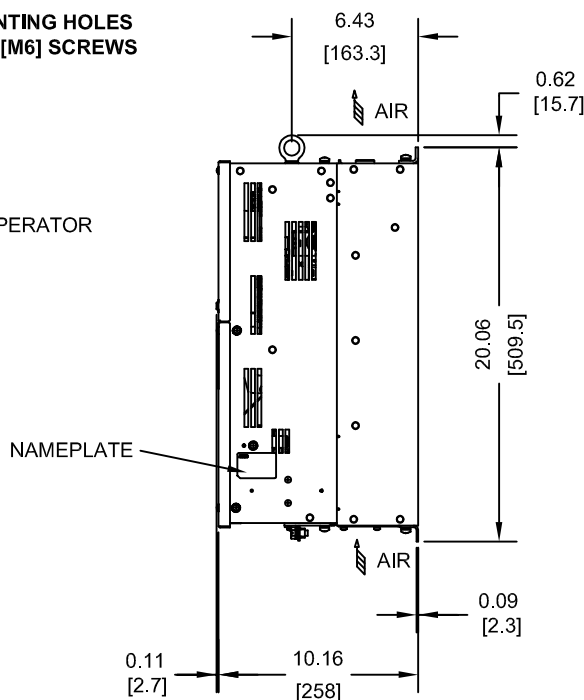
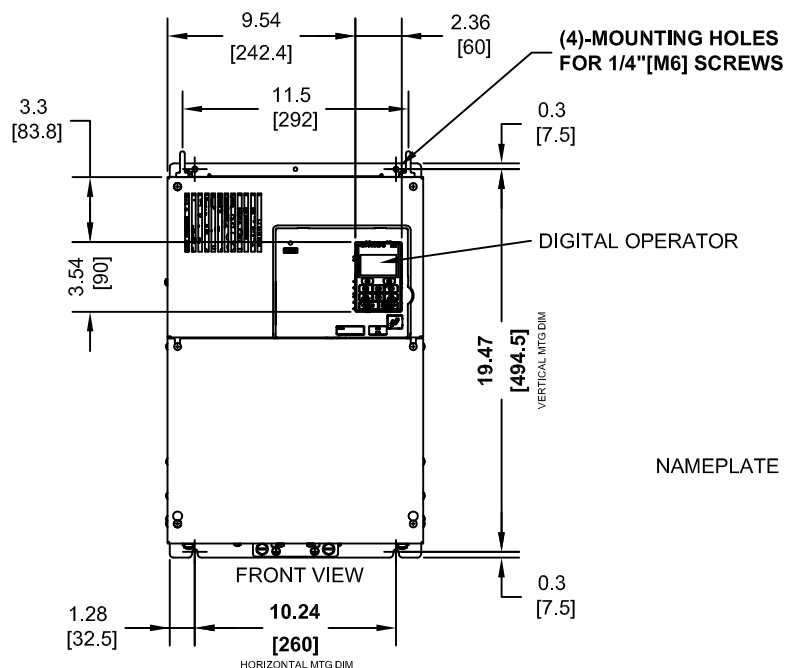
Ø0.79  
[Ø20]

1.31  
[33.3]

M8 THREAD

NOTE:

**NOTE:**  
SPREADER BAR REQUIRED TO  
AVOID DAMAGE DURING LIFTING



**OPTIONAL CAPACITOR COVER**  
WHEN USING AN EXTERNAL MOUNT HEATSINK, UL COMPLIANCE  
REQUIRES COVERING EXPOSED CAPACITORS IN THE MAIN  
CIRCUIT TO PREVENT INJURY. CONSULT MANUAL FOR DETAILS.

| MODEL #<br>CIMR-AU | INPUT<br>TYPE | VOLTAGE<br>3-PHASE<br>(VAC) | OUTPUT<br>CURRENT (A) |    | WEIGHT<br>LBS (Kg) | HEAT LOSS (W) |     |      |              |     |      |
|--------------------|---------------|-----------------------------|-----------------------|----|--------------------|---------------|-----|------|--------------|-----|------|
|                    |               |                             |                       |    |                    | ND (Fc=2kHz)  |     |      | HD (Fc=8kHz) |     |      |
|                    |               |                             | ND                    | HD |                    | INT           | EXT | TOT  | INT          | EXT | TOT  |
| 4A0088AXX          | 6 PULSE       | 380/480                     | 88                    | 75 | 79.2 (36)          | 308           | 684 | 992  | 254          | 563 | 817  |
| 4A0103AXX          | 6 PULSE       |                             | 103                   | 91 | 79.2 (36)          | 357           | 848 | 1205 | 299          | 723 | 1022 |
| 4T0088AXX          | 12 PULSE      |                             | 88                    | 75 | 74.0 (34)          | 285           | 669 | 954  | 241          | 556 | 797  |
| 4T0103AXX          | 12 PULSE      |                             | 103                   | 91 | 74.0 (34)          | 329           | 827 | 1156 | 285          | 714 | 999  |

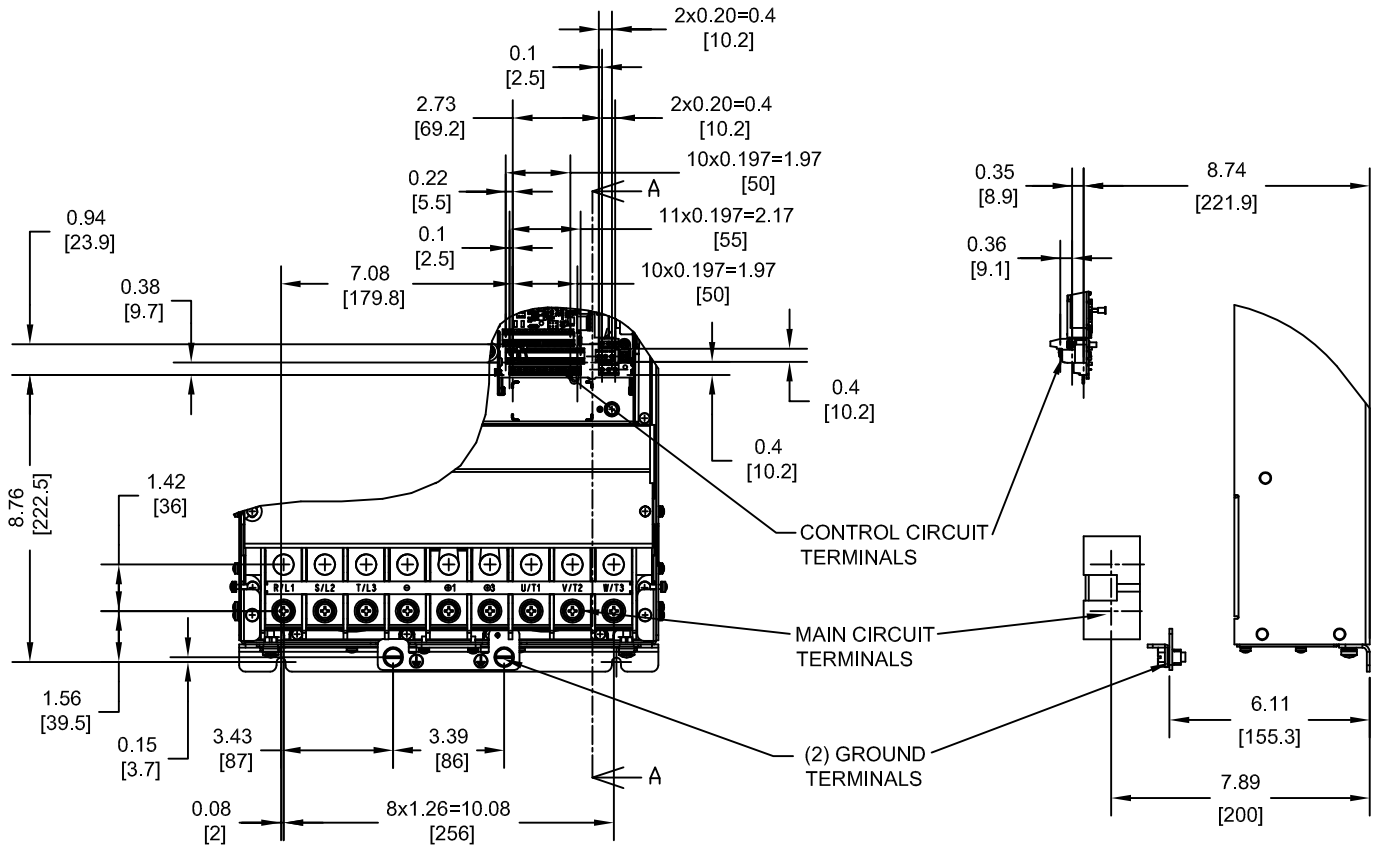
NOTE:  
XX DENOTES AA-ZZ

INT=INTERNAL COMPONENTS  
EXT=EXTERNAL HEATSINK  
TOT=TOTAL

FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

|                          |                |                                                                                                                                                                                                                                                                                                      |                               |                  |                                     |  |  |
|--------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------|-------------------------------------|--|--|
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|                          |                |                                                                                                                                                                                                                                                                                                      | CHECKED:<br>J. PIOTROWSKI     | DATE<br>12-14-10 | FRAME SIZE 9                        |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | TECH:<br>J. CAIRO             | DATE<br>12-19-10 | IP00 ENCLOSURE                      |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | APPROVED:<br>T. SASADA        | DATE<br>12-21-10 | 4A0088A, 4A0103A, 4T0088A & 4T0103A |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | ORIGINAL DESIGN:<br>-         | DATE<br>-        |                                     |  |  |
| UNITS:<br>IN [mm]        | SCALE:<br>1:10 |                                                                                                                                                                                                                                                                                                      | DRAWING #:<br>DD.A1K.FR9.IP00 |                  |                                     |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | SIZE<br>A                     |                  |                                     |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | REVISION<br>R01               |                  |                                     |  |  |
|                          |                |                                                                                                                                                                                                                                                                                                      | PAGE<br>1 of 4                |                  |                                     |  |  |

TERMINAL AND WIRING DETAILS (SCALE 1:6)  
FOR 6-PULSE INPUT DRIVES



TERMINAL AND WIRE SPECIFICATIONS FOR  
MAIN CIRCUIT AND GROUND

| MODEL #<br>CIMR-AU | TERMINAL<br>SYMBOL | TERMINAL<br>SCREW | CLAMPING TORQUE<br>lb.in.(N.m.) | WIRE RANGE<br>AWG(mm <sup>2</sup> ) |
|--------------------|--------------------|-------------------|---------------------------------|-------------------------------------|
| 4A0088A<br>4A0103A | R/L1, S/L2, T/L3   | M8                | 79.7 TO 97.4 (9 TO 11)          | 6-250kcmil<br>(13.3-127)            |
|                    | U/T1, V/T2, W/T3   |                   |                                 |                                     |
|                    | ⊖, ⊕1, ⊕3          |                   |                                 |                                     |
|                    | B1, B2             |                   |                                 |                                     |
|                    | ⊕                  | M8                | 79.7 TO 97.4 (9 TO 11)          | SEE NOTE                            |

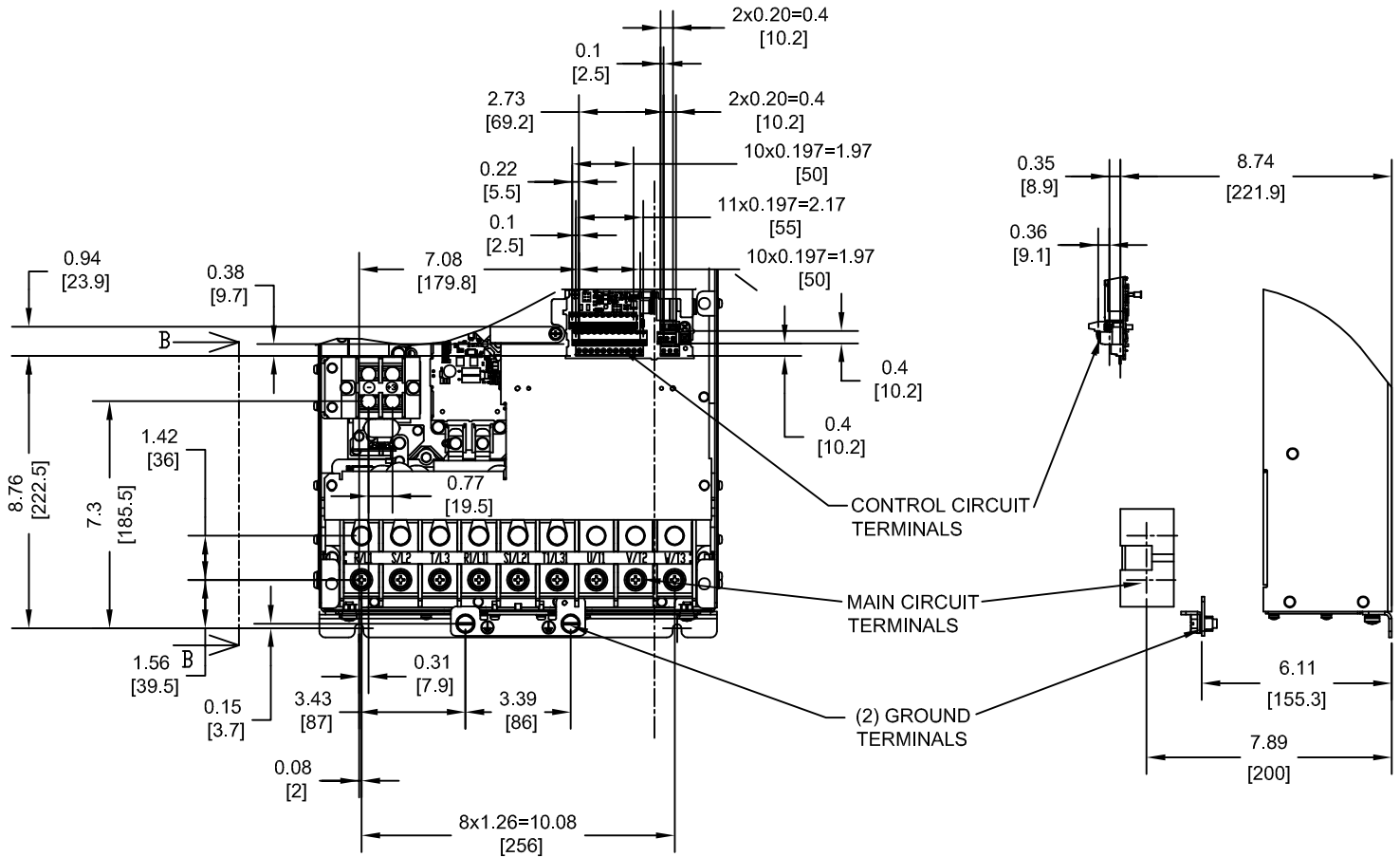
NOTE: REFER TO APPLICABLE CODES FOR PROPER WIRE TYPE AND SIZE

SECTION A-A

FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

|                          |                   |                                                                                                                                                                                                                                                                                                         |                           |           |                  |                               |                                                                                                            |                |  |
|--------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|------------------|-------------------------------|------------------------------------------------------------------------------------------------------------|----------------|--|
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|                          |                   |                                                                                                                                                                                                                                                                                                         | CHECKED:<br>J. PIOTROWSKI |           | DATE<br>12-14-10 |                               |                                                                                                            |                |  |
|                          |                   |                                                                                                                                                                                                                                                                                                         | TECH:<br>J. CAIRO         |           | DATE<br>12-19-10 |                               |                                                                                                            |                |  |
|                          |                   |                                                                                                                                                                                                                                                                                                         | APPROVED:<br>T. SASADA    |           | DATE<br>12-21-10 |                               |                                                                                                            |                |  |
|                          |                   |                                                                                                                                                                                                                                                                                                         | ORIGINAL DESIGN:<br>-     |           | DATE<br>-        |                               |                                                                                                            |                |  |
| UNITS:<br>IN[mm]         | SCALE:<br>BY VIEW |                                                                                                                                                                                                                                                                                                         |                           | SIZE<br>A |                  | REVISION<br>R01               |                                                                                                            | PAGE<br>2 of 4 |  |
|                          |                   |                                                                                                                                                                                                                                                                                                         |                           |           |                  | DRAWING #:<br>DD.A1K.FR9.IP00 |                                                                                                            |                |  |

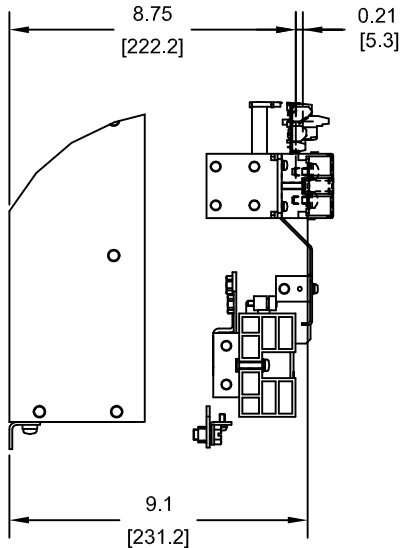
TERMINAL AND WIRING DETAILS (SCALE 1:6)  
FOR 12-PULSE INPUT DRIVES



TERMINAL AND WIRE SPECIFICATIONS FOR  
MAIN CIRCUIT AND GROUND

| MODEL #<br>CIMR-AU | TERMINAL<br>SYMBOL     | TERMINAL<br>SCREW | CLAMPING TORQUE<br>lb.in.(N.m.) | WIRE RANGE<br>AWG(mm <sup>2</sup> ) |
|--------------------|------------------------|-------------------|---------------------------------|-------------------------------------|
| 4T0088A<br>4T0103A | R/L1, S/L2, T/L3       | M8                | 79.7 TO 97.4 (9 TO 11)          | 6-250kcmil<br>(13.3-127)            |
|                    | R1/L11, S1/L21, T1/L31 |                   |                                 |                                     |
|                    | U/T1, V/T2, W/T3       |                   |                                 |                                     |
|                    | ⊖, ⊕3                  | M6                | 22.1 TO 26.6 (2.5 TO 3.0)       | 22-1/0 (0.3-53.5)                   |
|                    | ⊕                      | M8                | 79.7 TO 97.4 (9 TO 11)          | SEE NOTE                            |

NOTE: REFER TO APPLICABLE CODES FOR PROPER WIRE TYPE AND SIZE

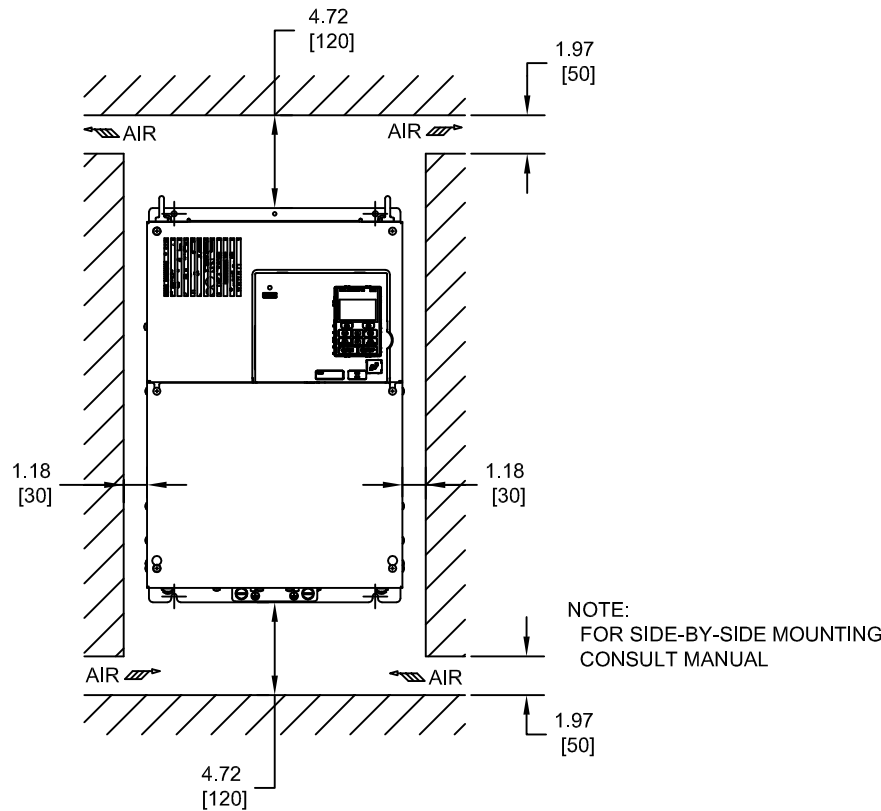


SECTION B-B

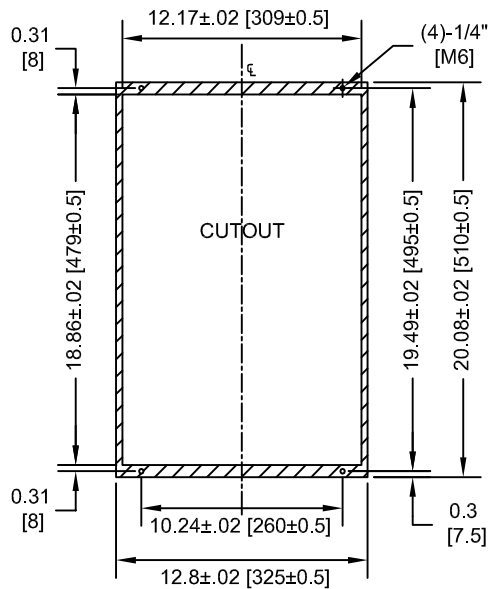
FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

|                          |                   |                                                                                                                                                                                                                                                                                                              |                           |  |                  |  |                                                                                                            |  |  |
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|                          |                   |                                                                                                                                                                                                                                                                                                              | CHECKED:<br>J. PIOTROWSKI |  | DATE<br>12-14-10 |  |                                                                                                            |  |  |
|                          |                   |                                                                                                                                                                                                                                                                                                              | TECH:<br>J. CAIRO         |  | DATE<br>12-19-10 |  |                                                                                                            |  |  |
|                          |                   |                                                                                                                                                                                                                                                                                                              | APPROVED:<br>T. SASADA    |  | DATE<br>12-21-10 |  |                                                                                                            |  |  |
|                          |                   |                                                                                                                                                                                                                                                                                                              | ORIGINAL DESIGN:<br>-     |  | DATE<br>-        |  |                                                                                                            |  |  |
| UNITS:<br>IN[mm]         | SCALE:<br>BY VIEW | DRAWING #:<br>DD.A1K.FR9.IP00                                                                                                                                                                                                                                                                                |                           |  |                  |  |                                                                                                            |  |  |

MINIMUM INSTALLATION CLEARANCES (SCALE 1:10)



PANEL CUTOUT FOR EXTERNAL HEATSINK MOUNTING CONFIGURATION (SCALE 1:10)



NOTE:  
EXPOSED HEATSINK DEPTH  
D=4.13" MINUS PANEL THICKNESS

FOR ADDITIONAL DETAILS AND SPECIFICATIONS, CONSULT MANUAL

|                          |                   |                                                                                                                                                                                                                                                                                  |                           |                  |                                                                                                            |                               |
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|                          |                   |                                                                                                                                                                                                                                                                                  | CHECKED:<br>J. PIOTROWSKI | DATE<br>12-14-10 |                                                                                                            |                               |
|                          |                   |                                                                                                                                                                                                                                                                                  | TECH:<br>J. CAIRO         | DATE<br>12-19-10 |                                                                                                            |                               |
|                          |                   |                                                                                                                                                                                                                                                                                  | APPROVED:<br>T. SASADA    | DATE<br>12-21-10 |                                                                                                            |                               |
| UNITS:<br>IN[mm]         | SCALE:<br>BY VIEW | ORIGINAL DESIGN:<br>-                                                                                                                                                                                                                                                            |                           | DATE<br>-        | SIZE<br>A                                                                                                  | REVISION<br>R01               |
|                          |                   |                                                                                                                                                                                                                                                                                  |                           |                  | PAGE<br>4 of 4                                                                                             | DRAWING #:<br>DD.A1K.FR9.IP00 |