

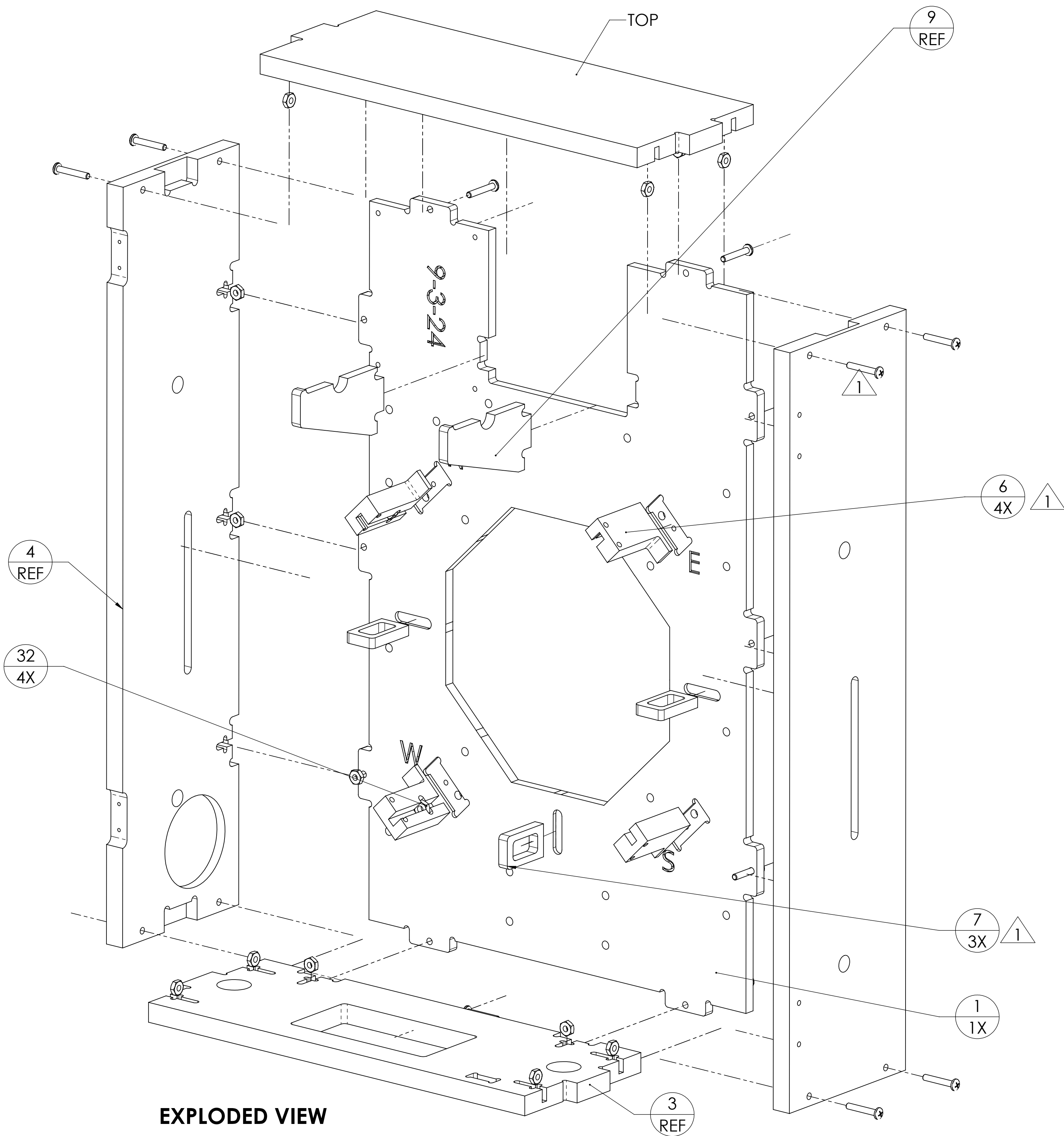
1. TO GAIN A BETTER UNDERSTANDING ON HOW TO ASSEMBLING THE freETarget COMPETITION KIT. VISIT Arme Vechi on YOUTUBE.com titled (freETarget COMPETITION KIT [EN]).



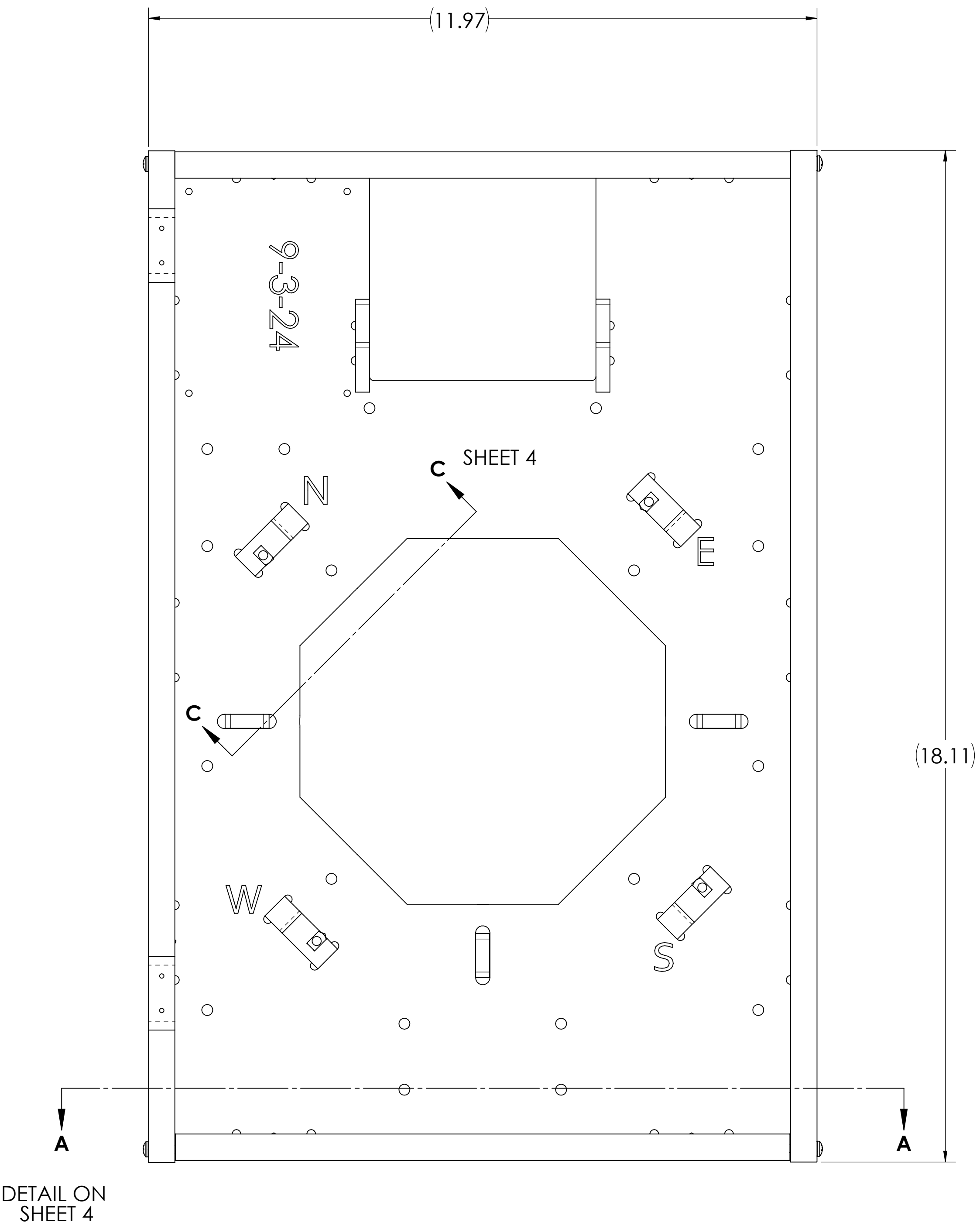
|             |            |   |  |           |          |            |  |               |
|-------------|------------|---|--|-----------|----------|------------|--|---------------|
|             |            | UNLESS OTHERWISE SPECIFIED:             |  | NAME      | DATE     | freETarget |  |               |
|             |            | DIMENSIONS ARE IN INCHES<br>TOLERANCES: |  | DRAWN     | J. SHAPP | 1 JAN 2025 | TITLE:<br><br>COMPETITION<br>TARGET ASSEMBLY |               |
|             |            | FRACTIONAL ±                            |  | CHECKED   |          |            |  |               |
|             |            | ANGULAR: HATCH ±                        |  | ENG APPR. |          |            |  |               |
|             |            | TWO PLACE DECIMAL ±                     |  | MFG APPR. |          |            |  |               |
|             |            | THREE PLACE DECIMAL ±                   |  |           |          |            |  |               |
|             |            | INTERPRET GEOMETRIC<br>TOLERANCING PER: |  | Q.A.      |          |            |  |               |
|             |            | MATERIAL                                |  | COMMENTS: |          |            |  |               |
| FET-000     | freETarget |   |  |           |          | SIZE       | DWG. NO.                                     | REV           |
| NEXT ASSY   | USED ON    | FINISH                                  |  |           |          | <b>D</b>   | FRE-000                                      |               |
| APPLICATION |            |   |  |           |          | SCALE: 1:4 | 7.54   | SHEET 1 OF 15 |

NOTES:

1 USE AN ANGLE SQUARE AGAINST EACH ITEM AS YOU GLUE ITEMS TO THE BACK PANEL

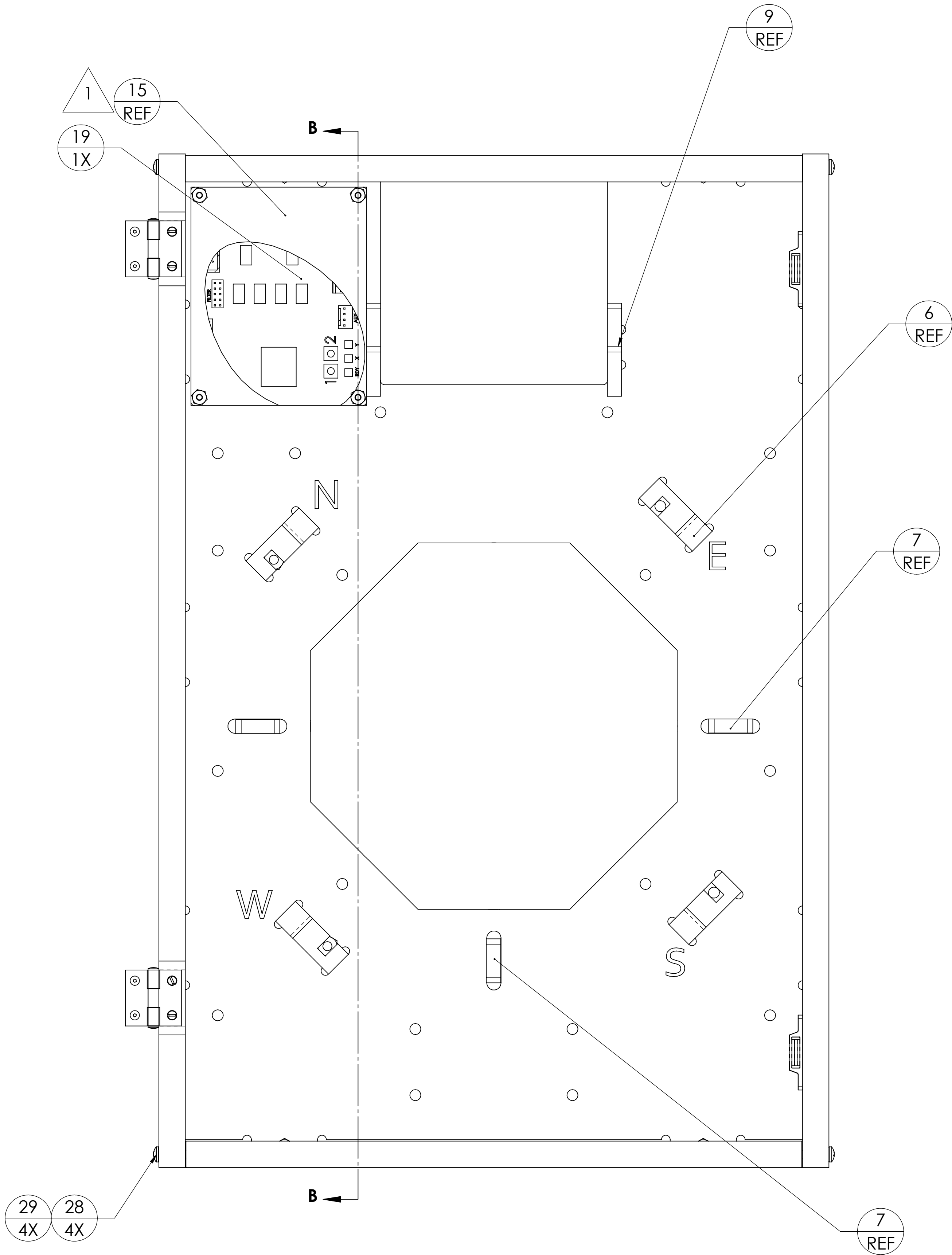


EXPLODED VIEW

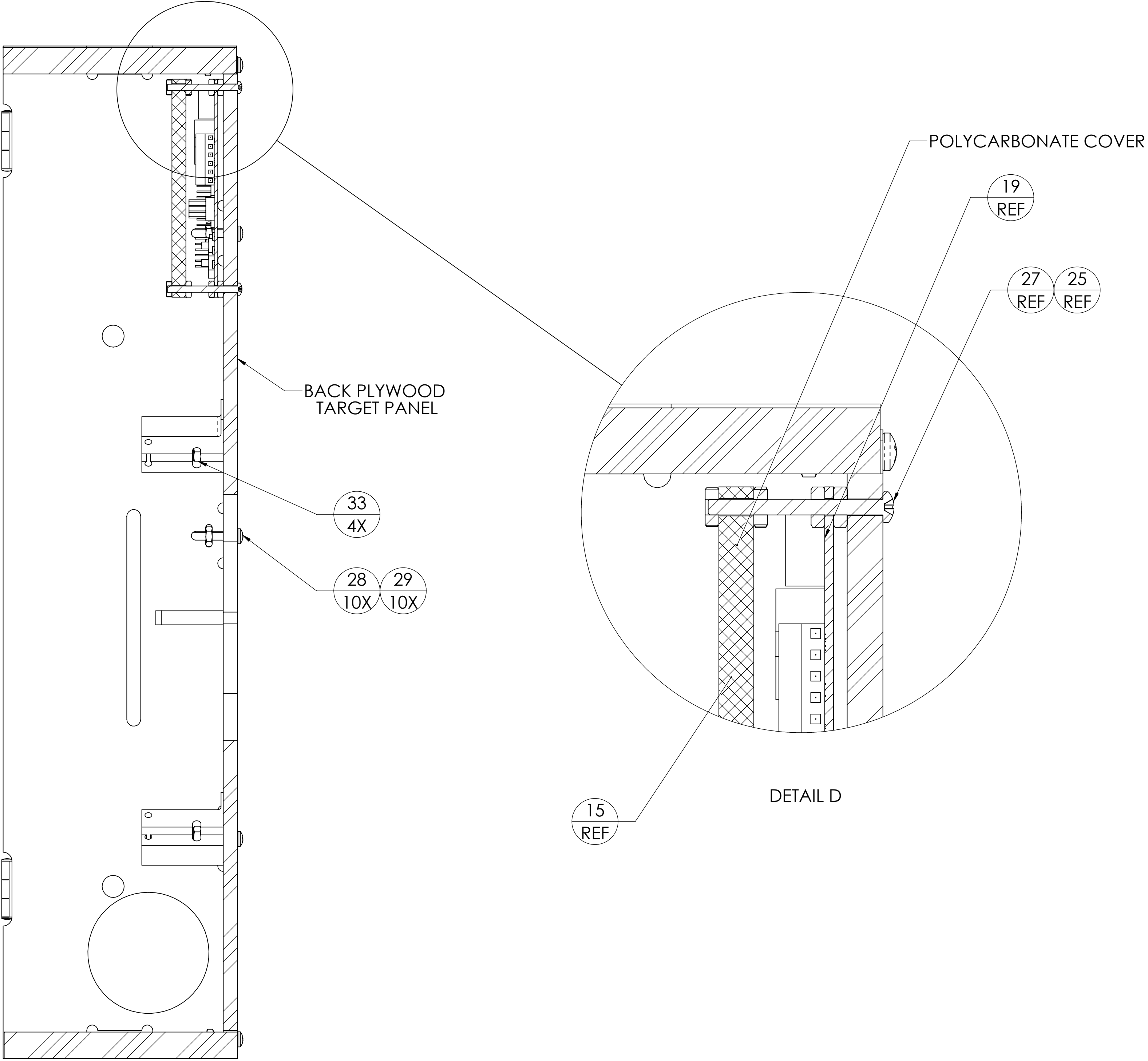


NOTES:

1 ITEM #15 FET-020 IS A POLYCARBONATE COVER DESIGNED FOR PROTECTING THE PC BOARD INSTALLED IN THE EVENT THE BUILDER CHOOSES NOT TO BUILD OR INSTALL A FRONT PANEL WITH LED LIGHT STRIP, THIS WILL SHIELD THE ELECTRONISCS FROM STRAY PELLETS.



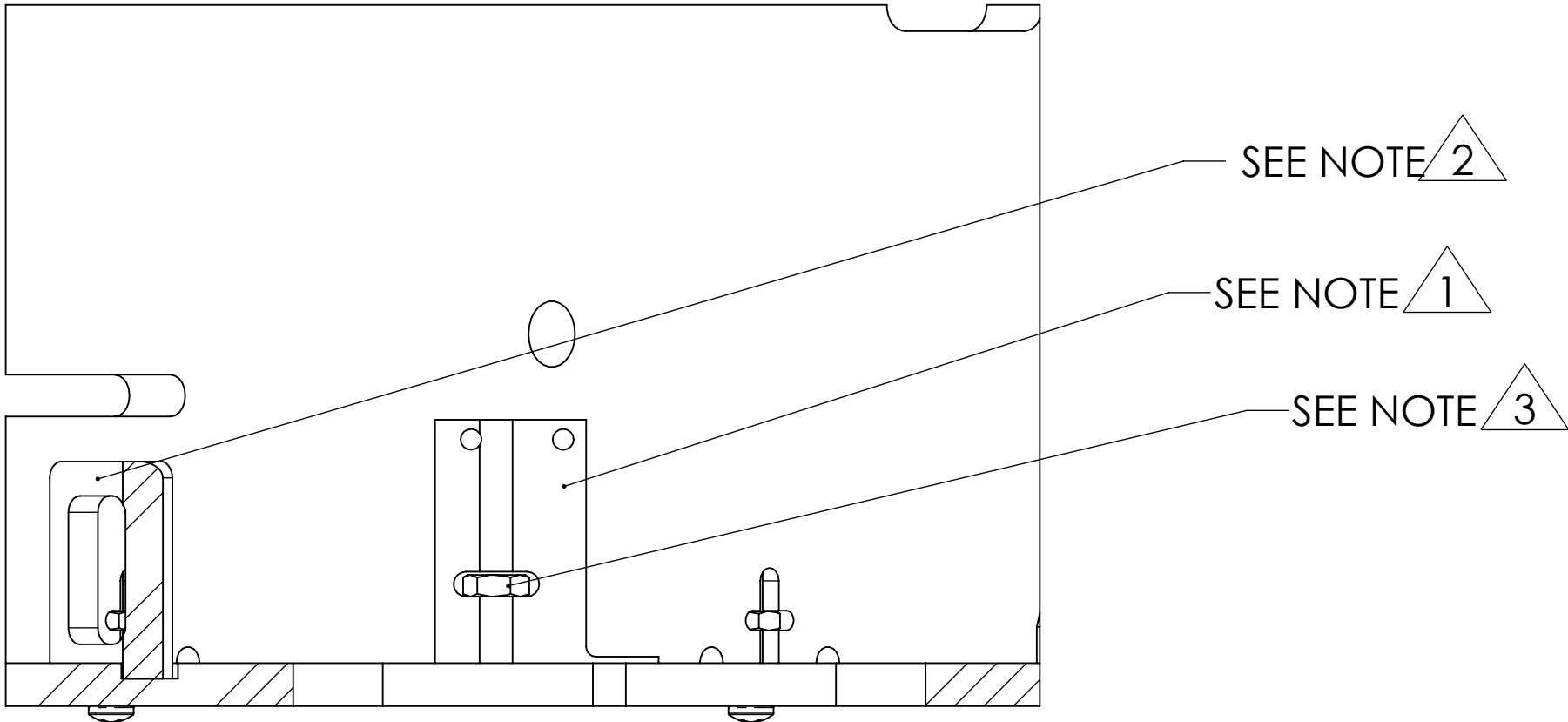
MOUNTING PC BOARD AND HARDWARE



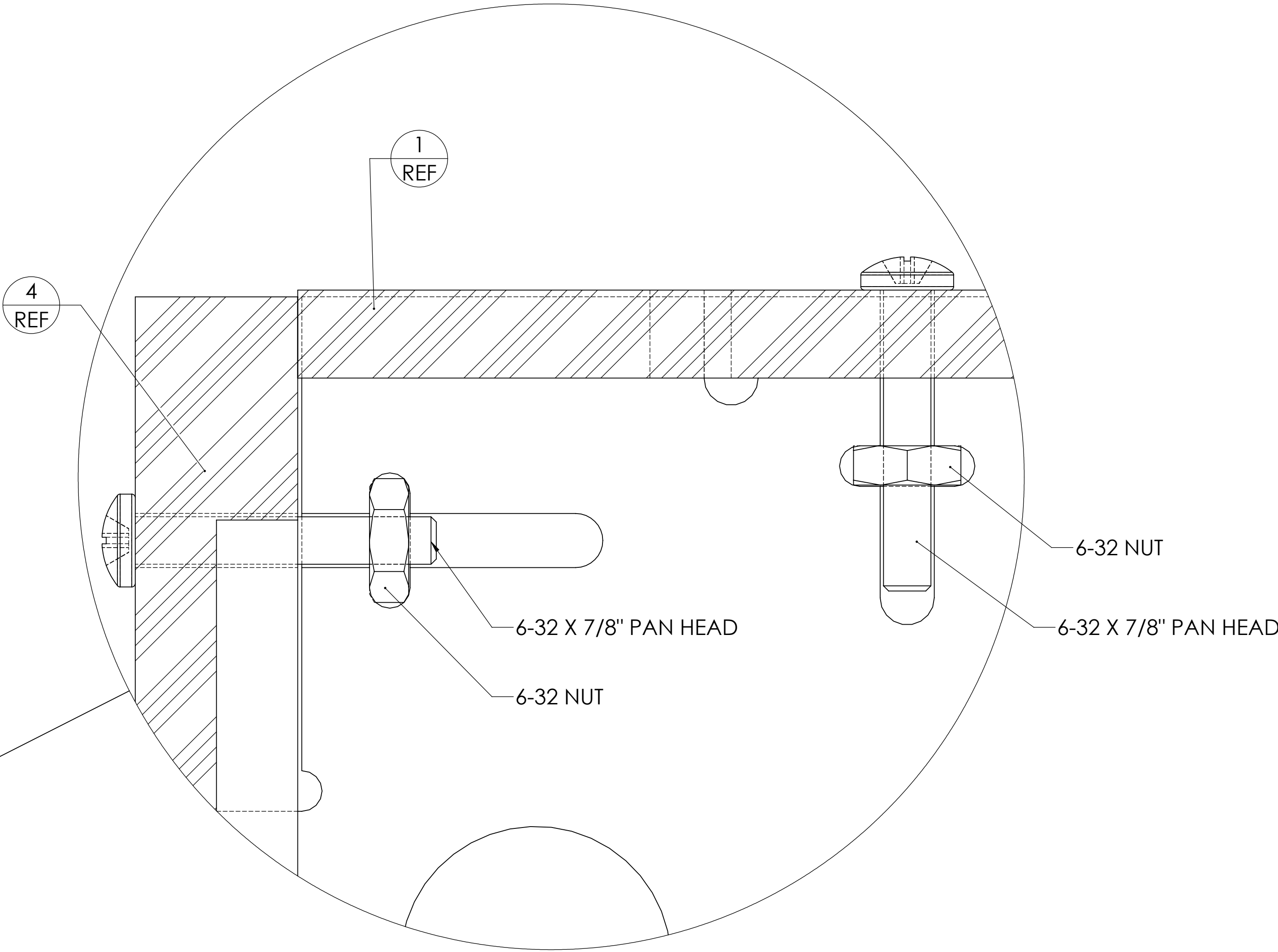
SECTION B-B

NOTES:

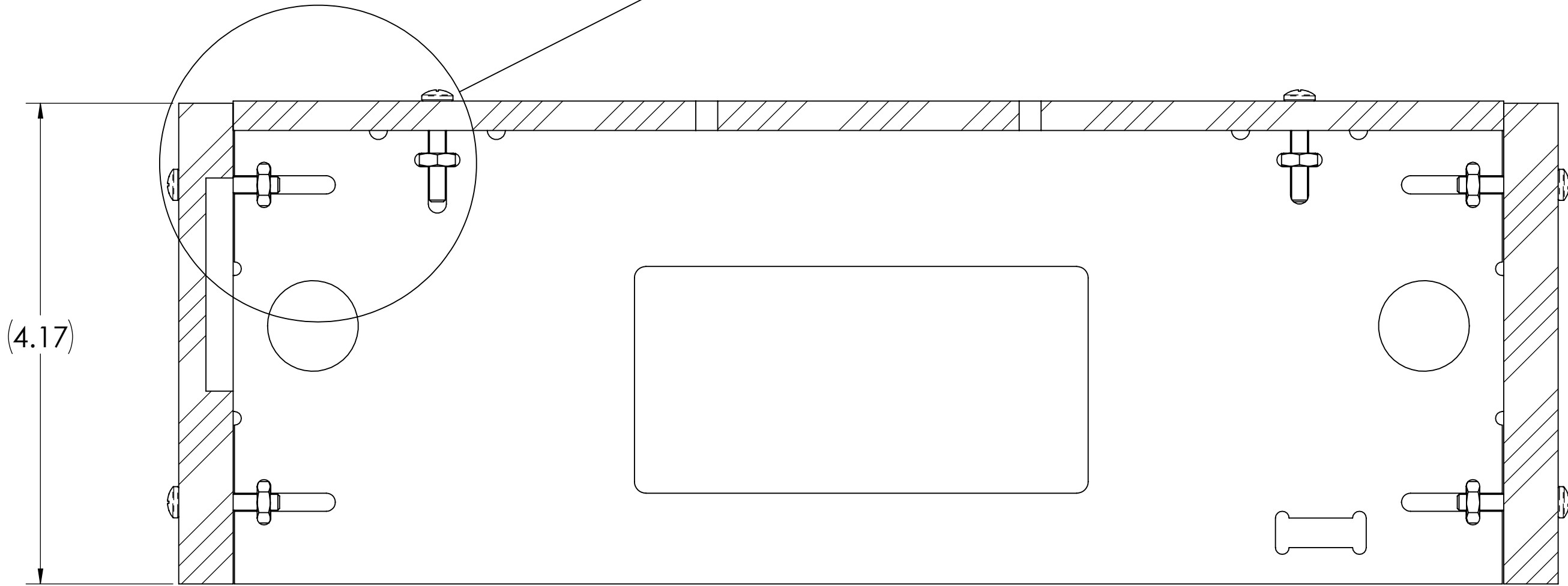
- 1 SENSOR MOUNTS ARE GLUED IN AS SHOWN . HOLES ARE PROVIDED SO BUILDER CAN USE ADDITIONAL SCREWS.
- 2 CABLE GUIDES ARE GLUED IN ONLY NO SCREW HOLES ARE PROVIDED.
- 3 INSTALL 4 8-32 NUTS INTO THE 4 SENSOR SUPPORTS.



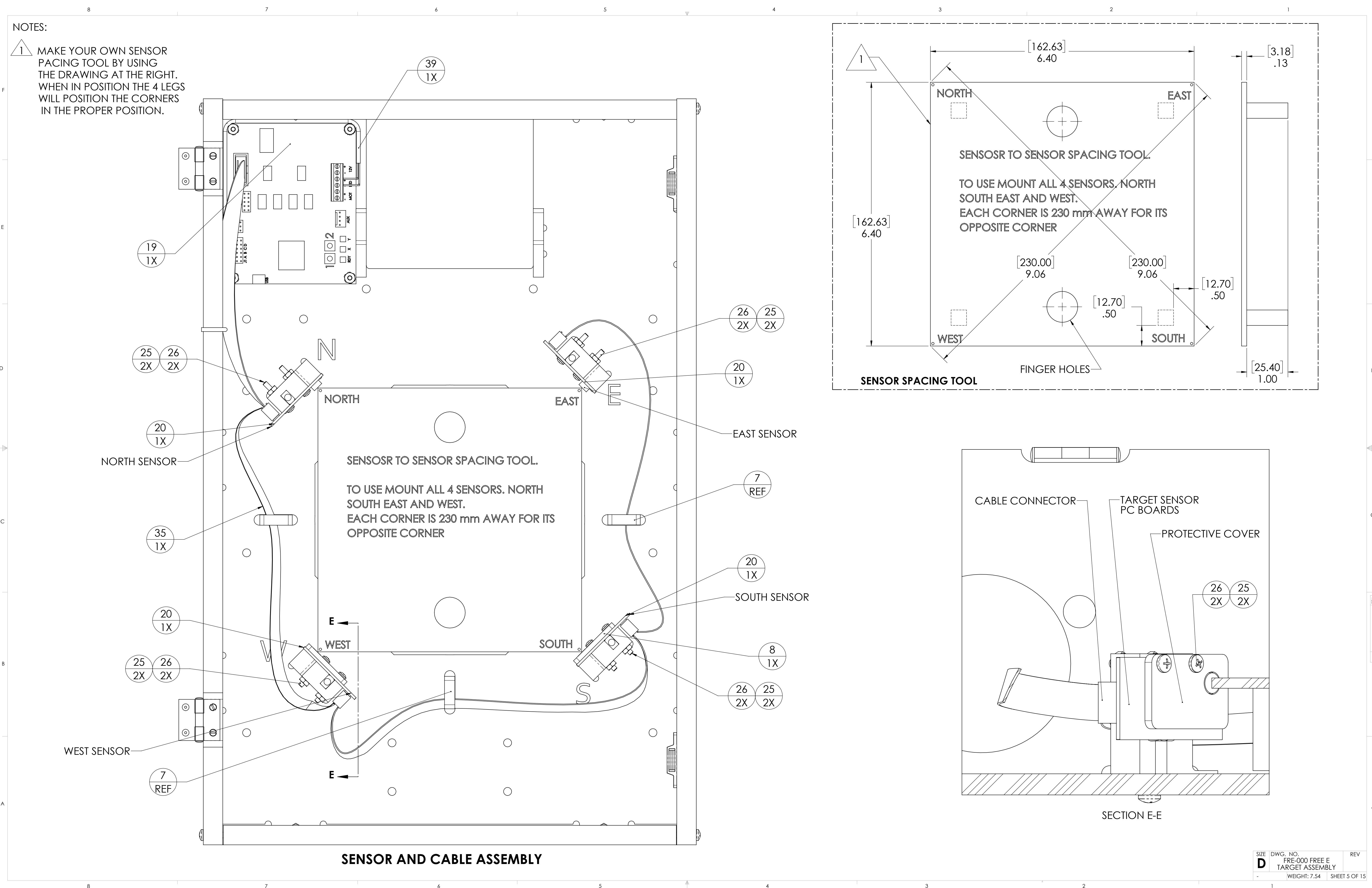
SECTION C-C

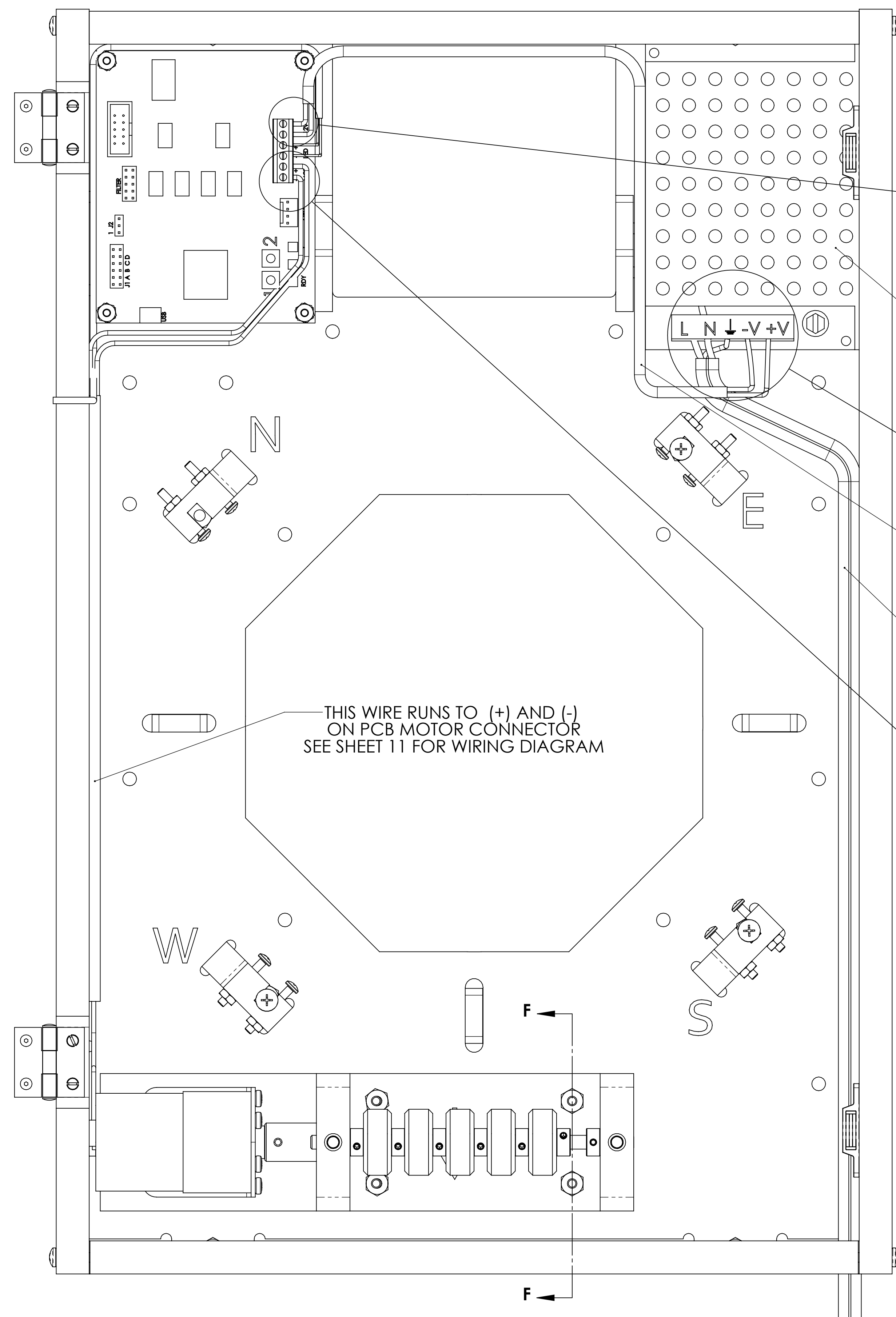


DETAIL D

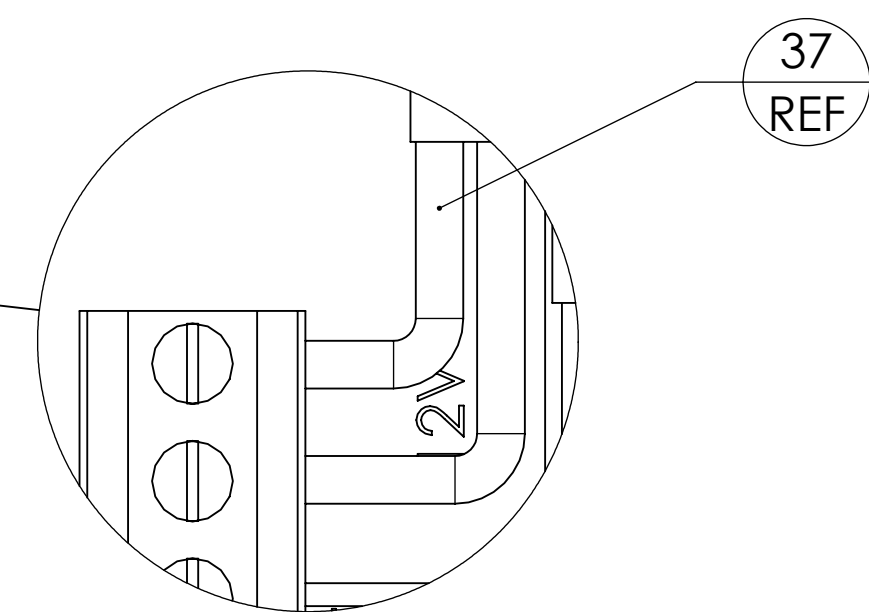


SECTION A-A

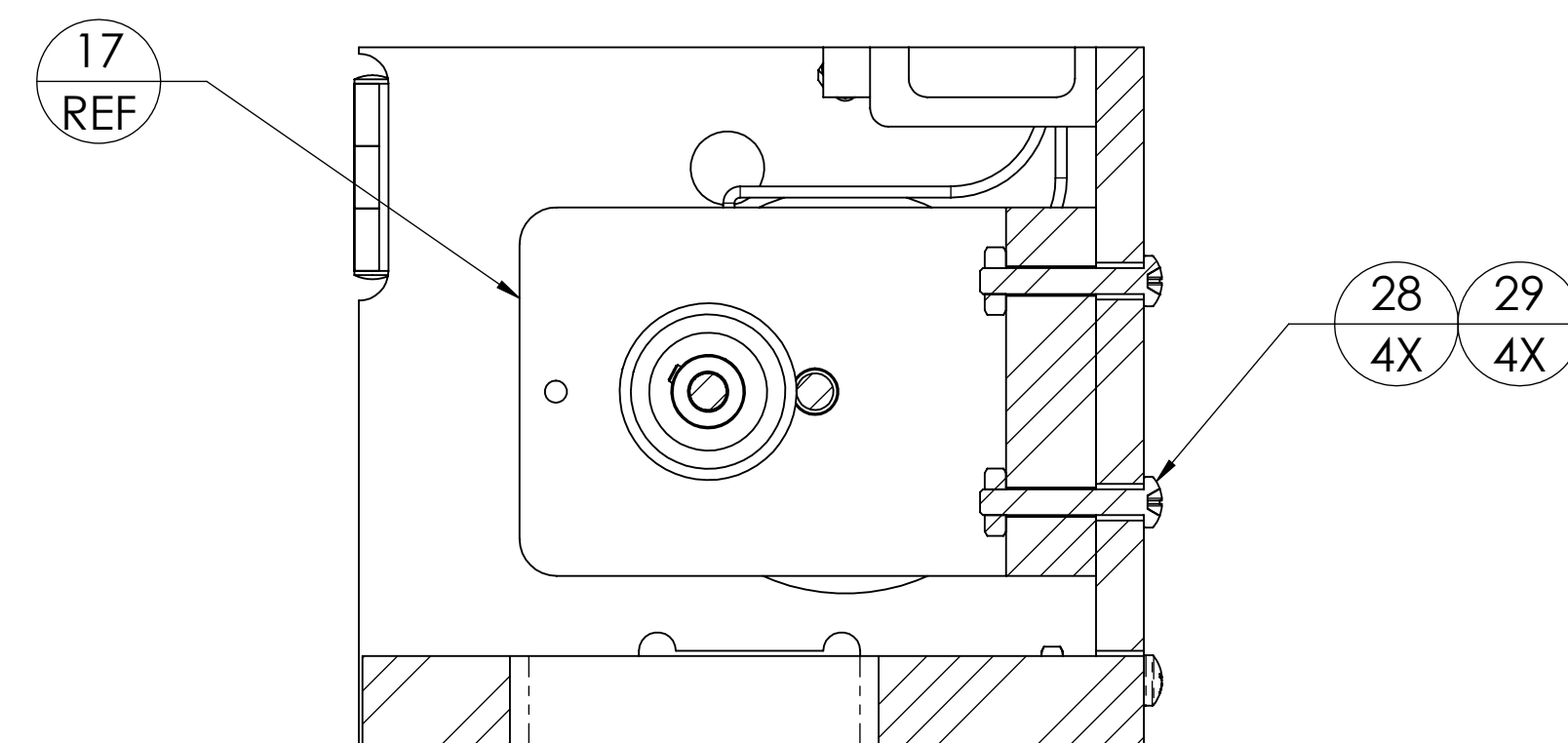




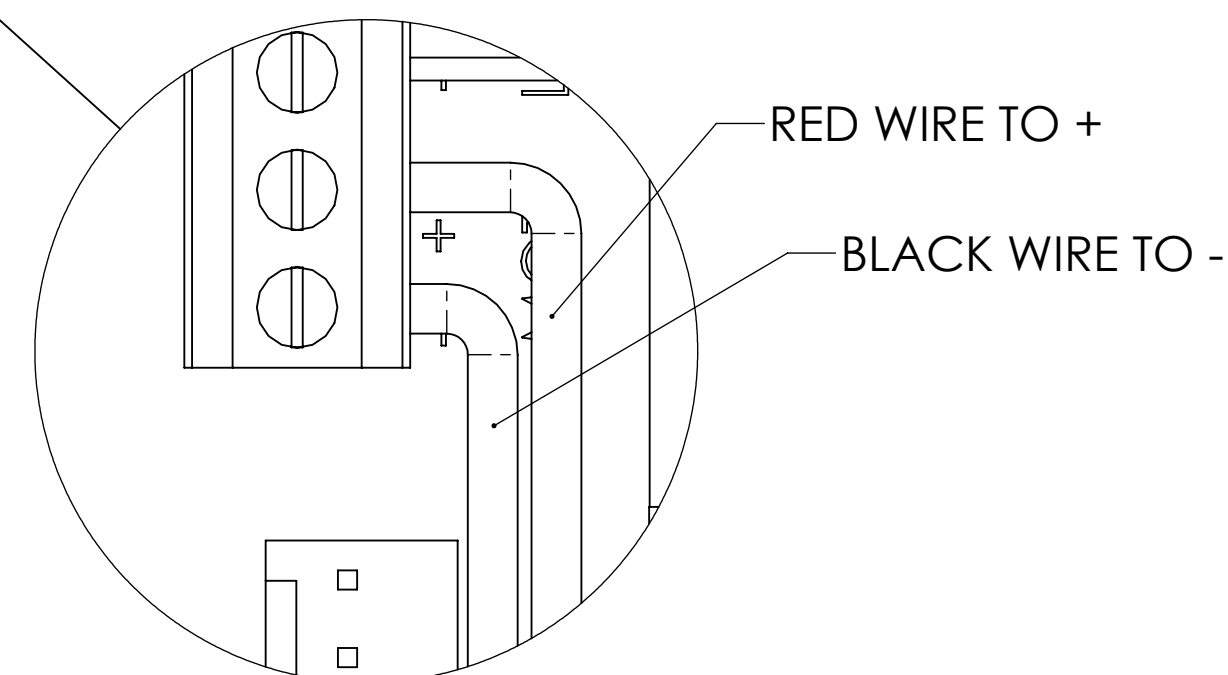
## WIRING POWER SUPPLY CONNECTIONS TO PC BOARD WITNESS PAPER DRIVE



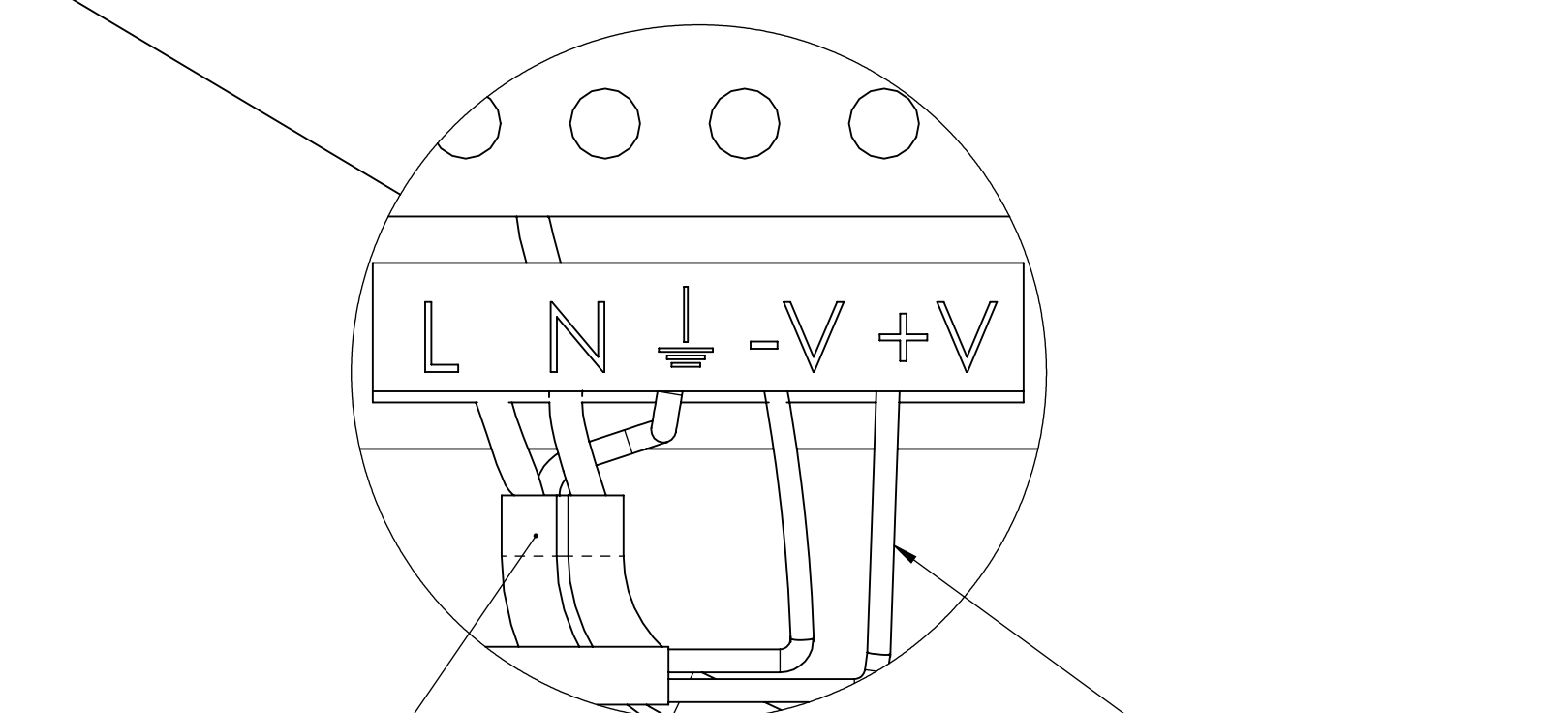
### DETAIL G



## SECTION F-F

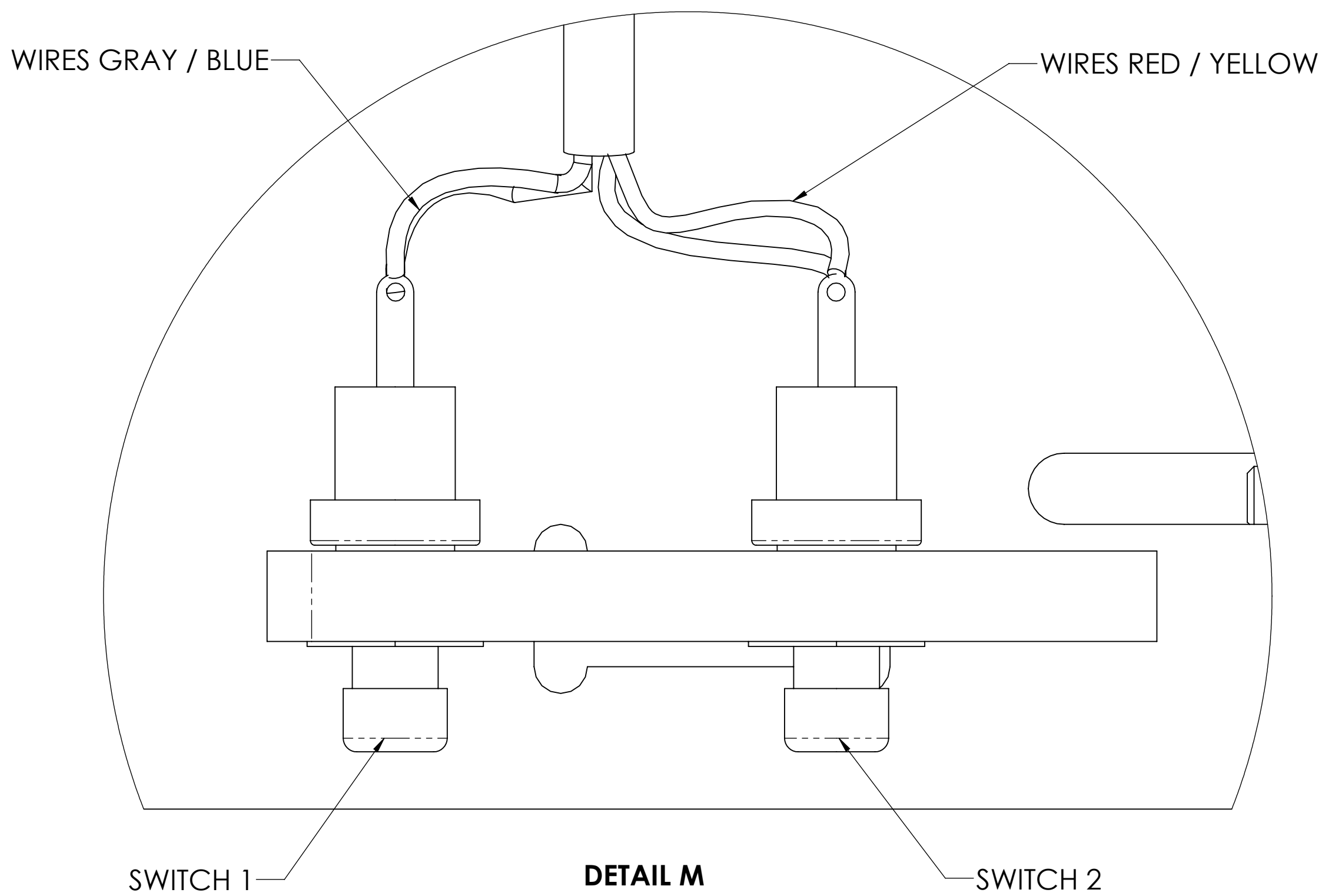
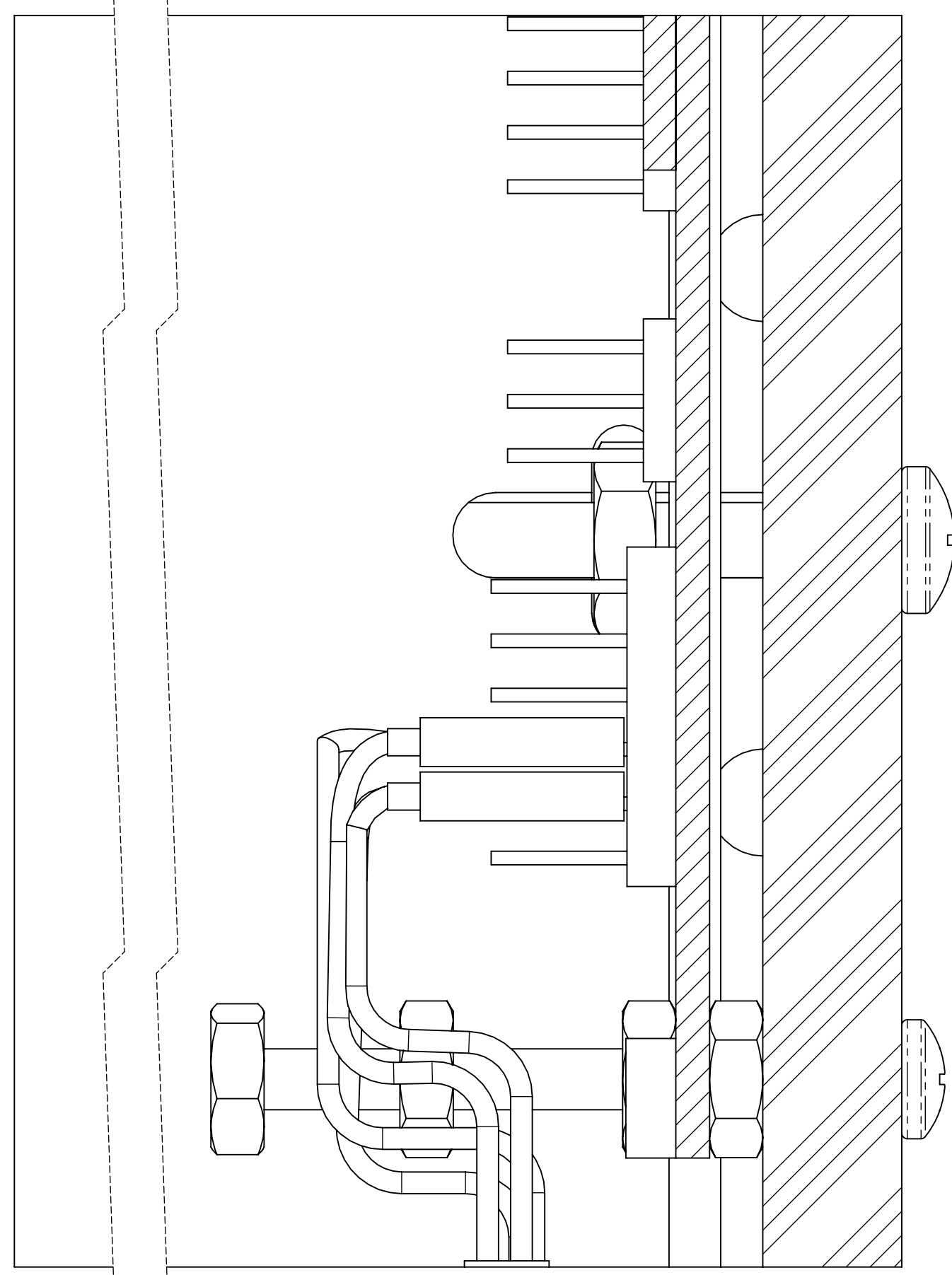
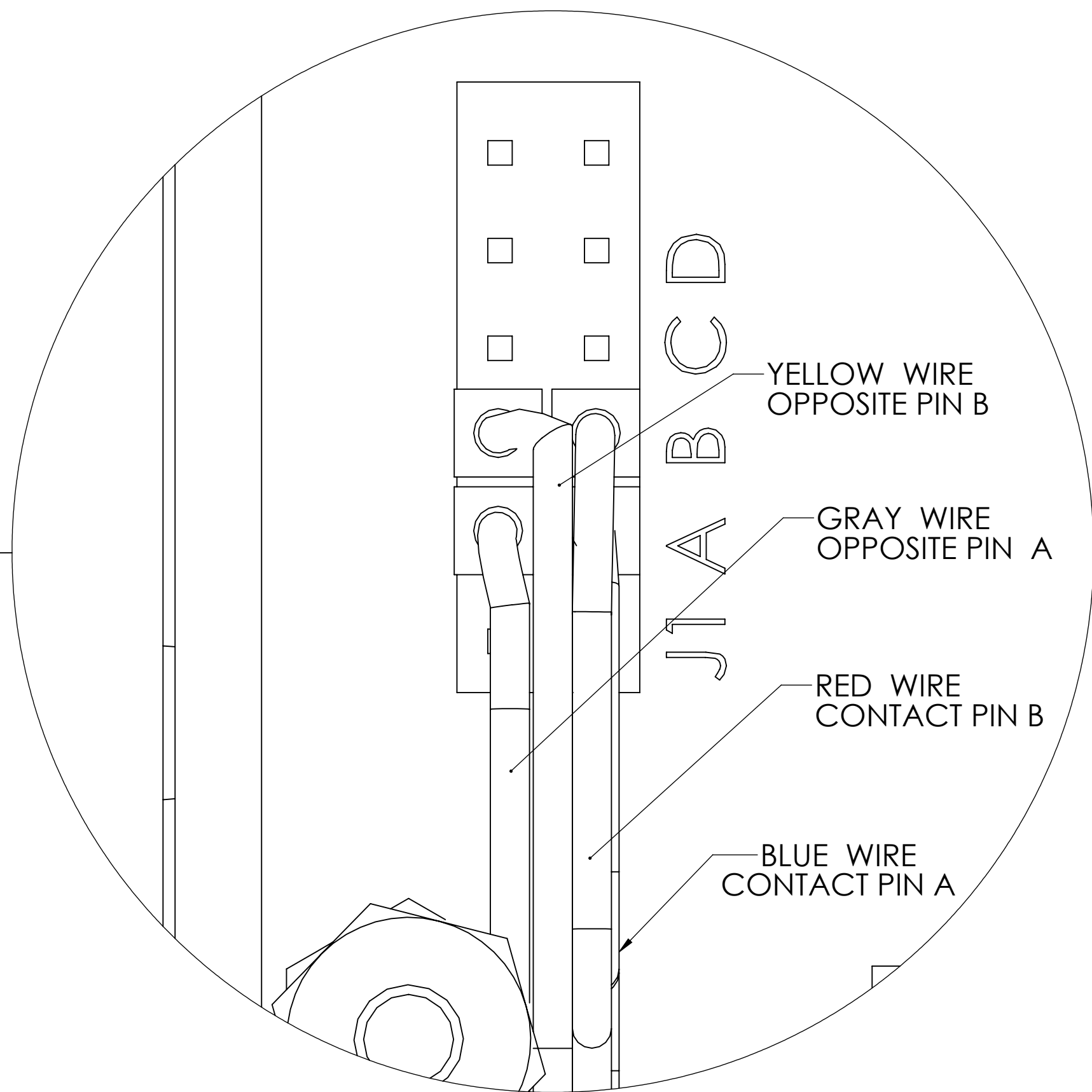
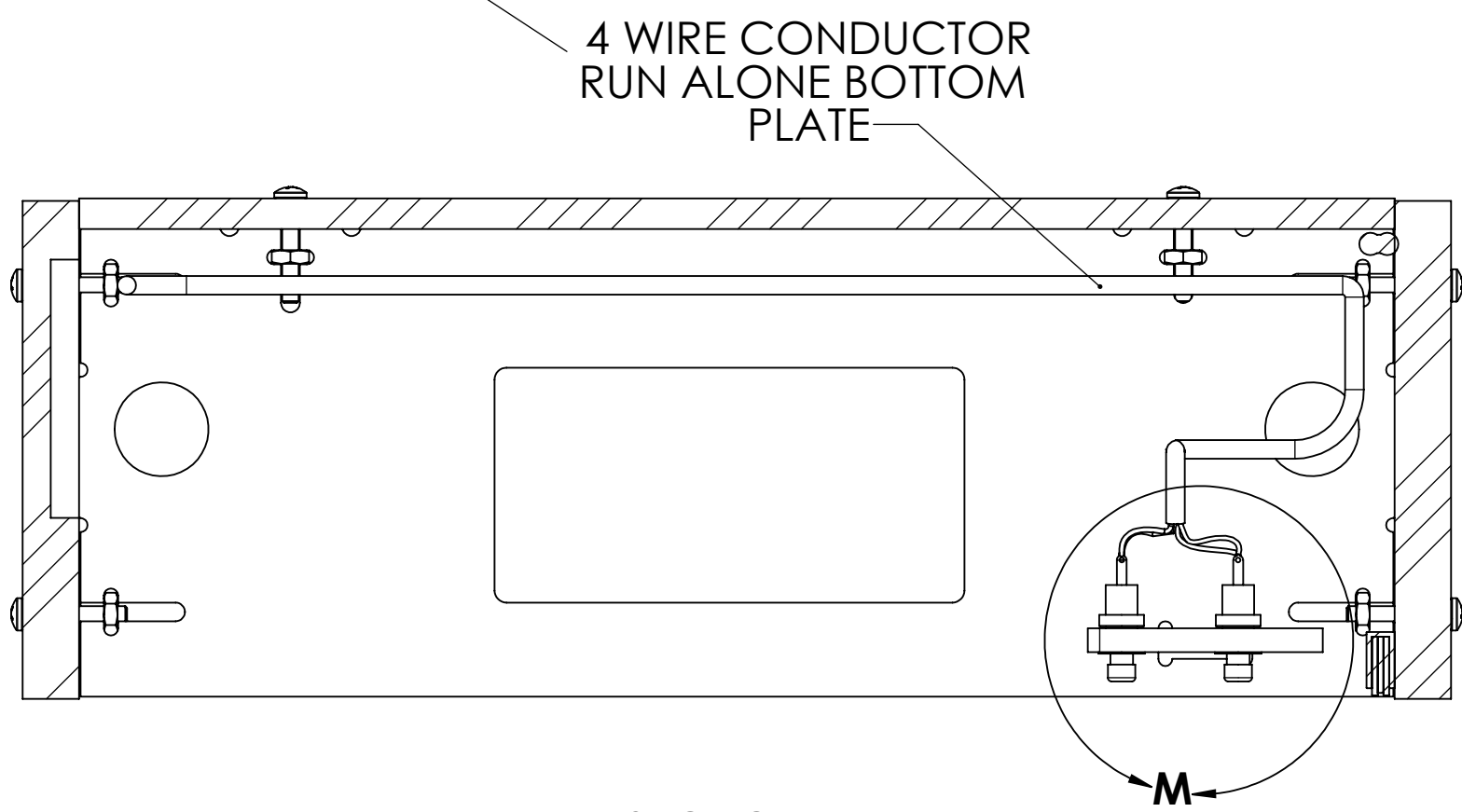
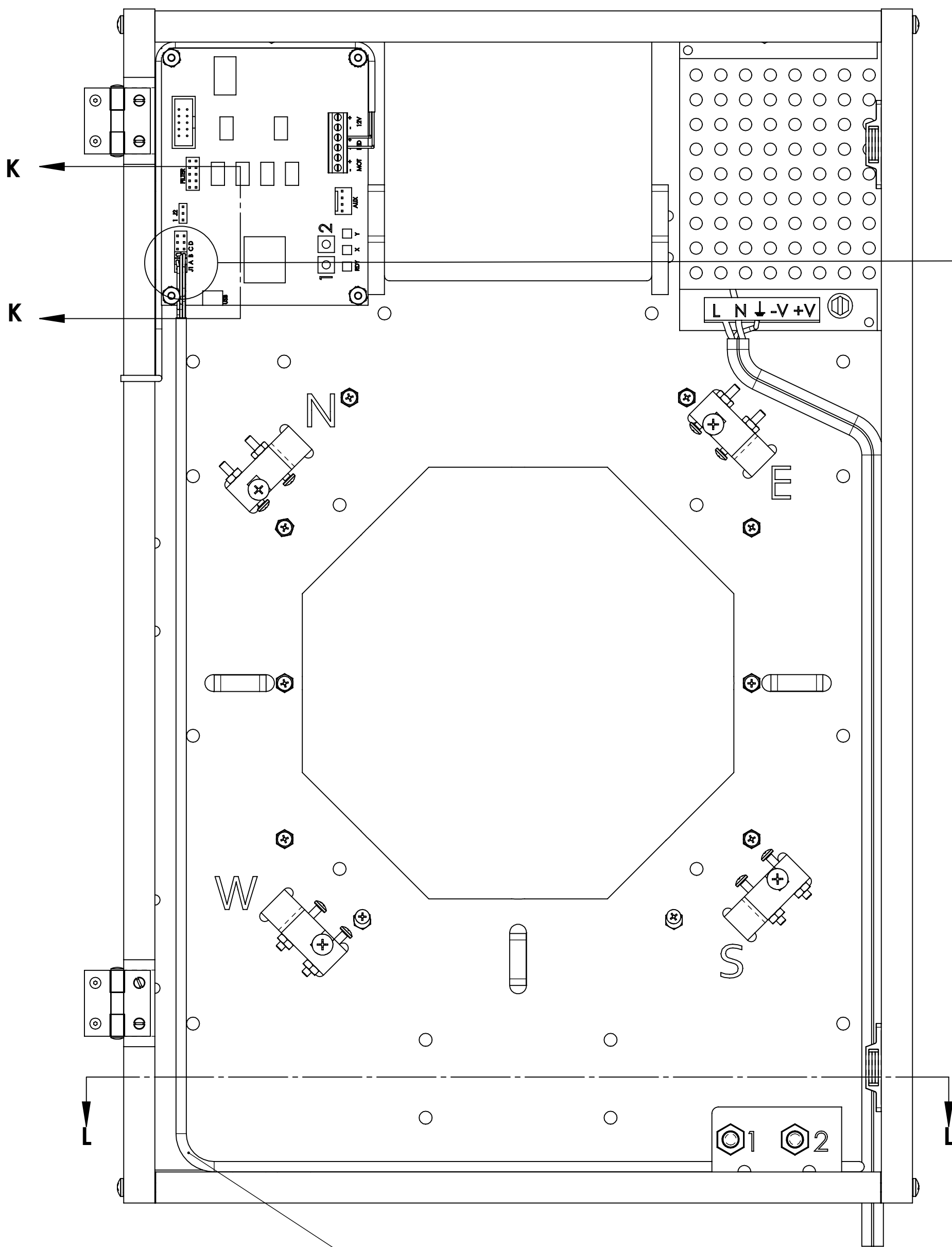


### DETAIL H



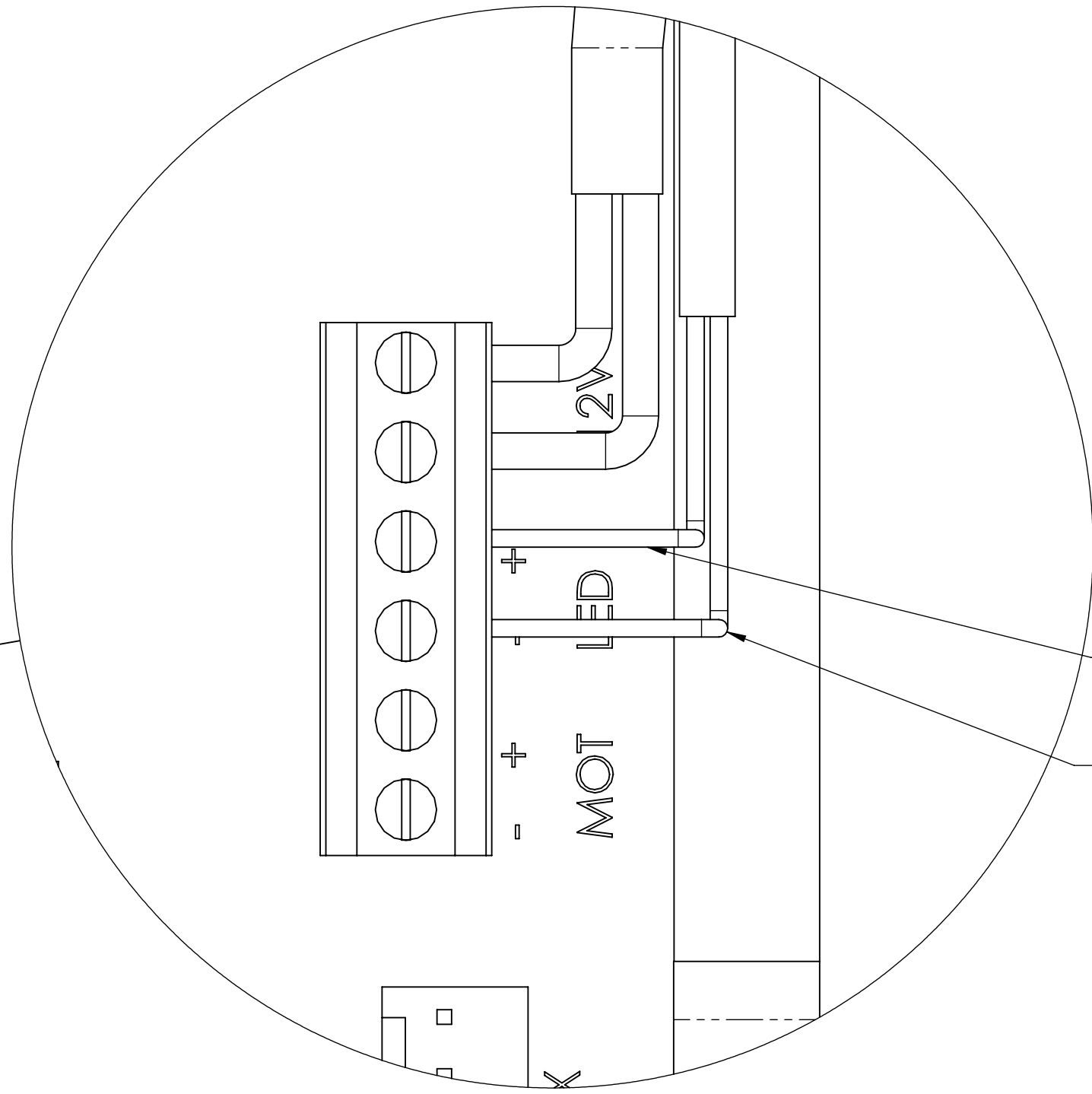
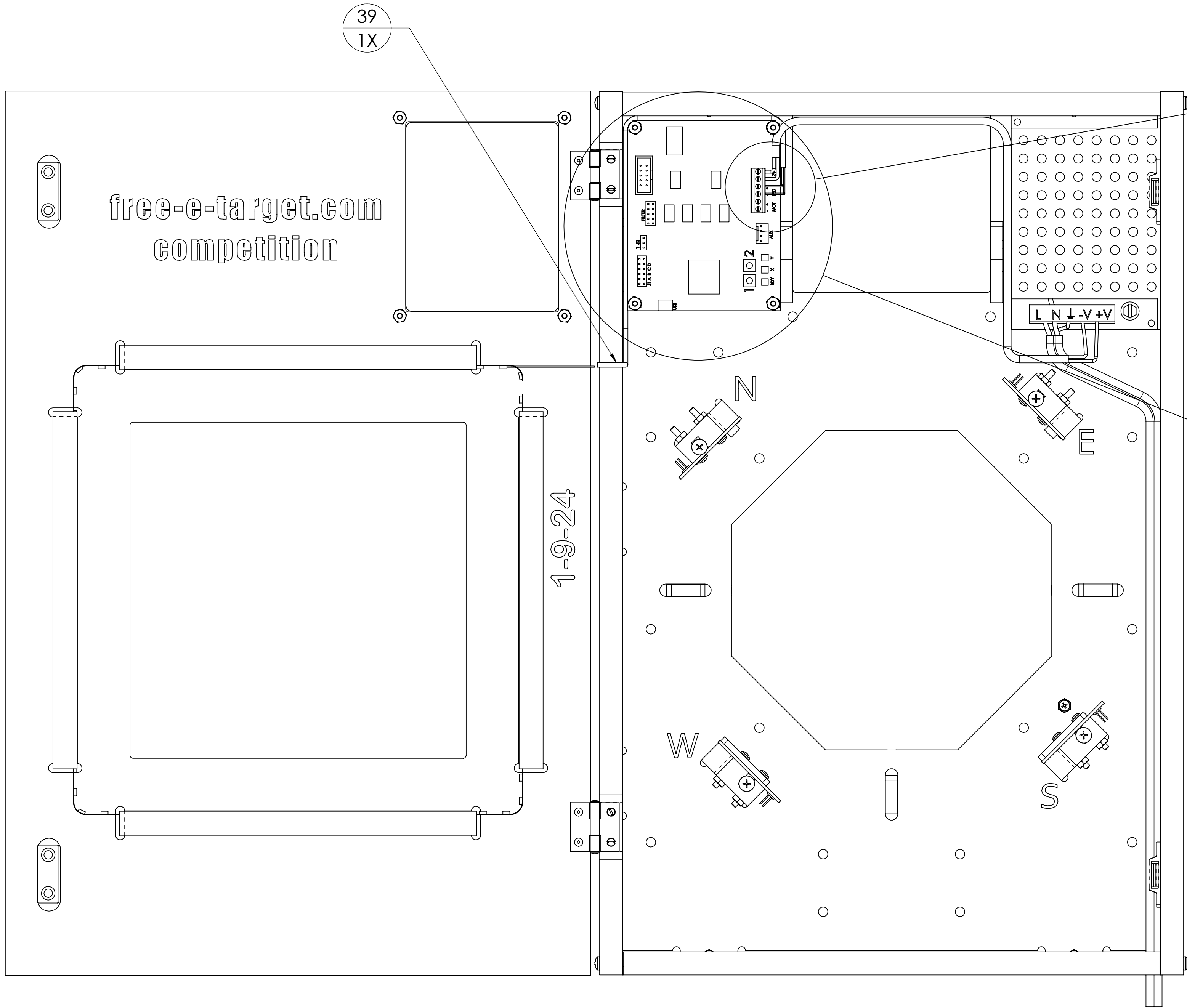
### DETAIL J

THIS SHEET SHOWS THE WIRING OF THE MULTIFUNCTION SWITCHES.  
SEE SHEET 13 FOR CLEARER WIRING DIAGRAM.



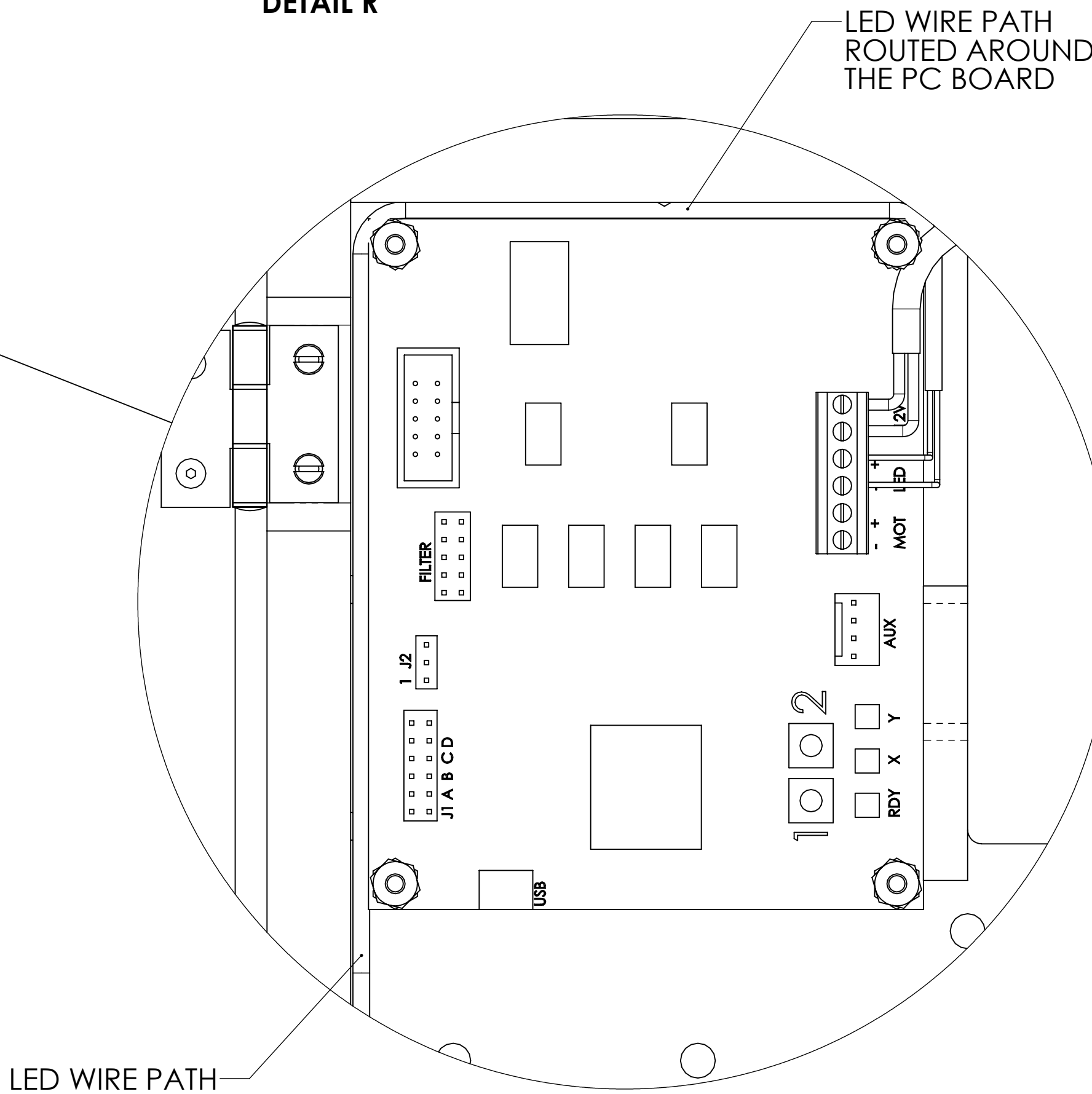


1. TO WIRE THE LED STRIP LOCATE A 2 CONDUCTOR WIRE. CONNECT THE RED WIRE TO (+) TERMINAL ON THE PC BOARD  
CONNECT THE BLACK WIRE TO (-) CONNECTOR ON THE PC BOARD. RUN THE WIRE IN ANY METHOD YOU CHOOSE. THE  
EXAMPLE SHOWN IS THIS DESIGNERS CHOICE, YOU RUNS YOU HOW EVER YOU WISH.
2. SOLDER THE SECOND OF THE WIRES TO THE (+) AND (-) SOLDER POINTS ON THE LED STRIP AND GIVE YOUR SELF ENOUGH  
WIRE SO NOT TO STRAIN IT WHEN OPENING THE FRONT PANEL. SEE SHEET 12 FOR CLEARER WIRING DIAGRAM.



RED LED WIRE INTO +  
BLACK LED WIRE INTO -

DETAIL R

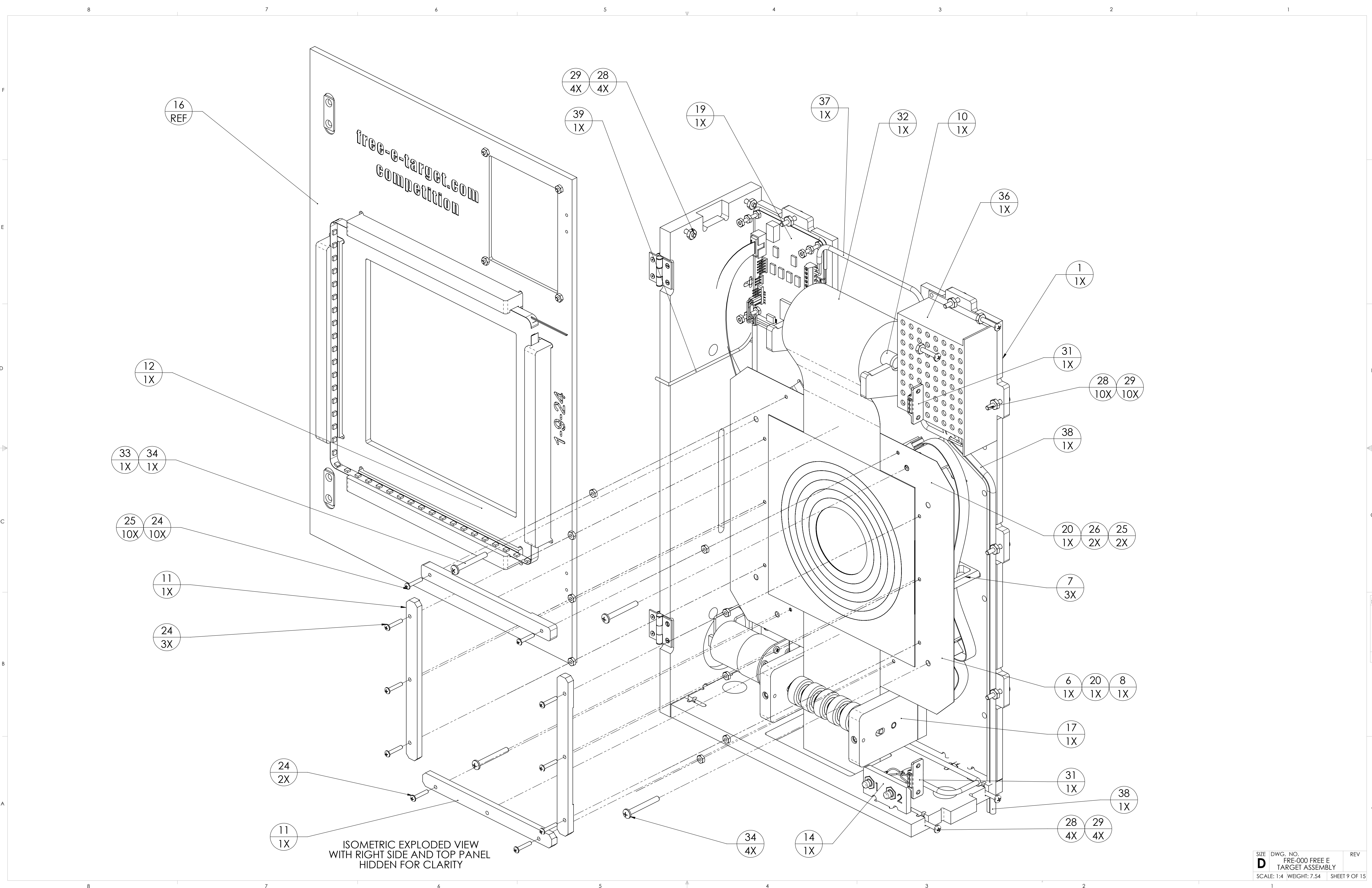


LED WIRE PATH

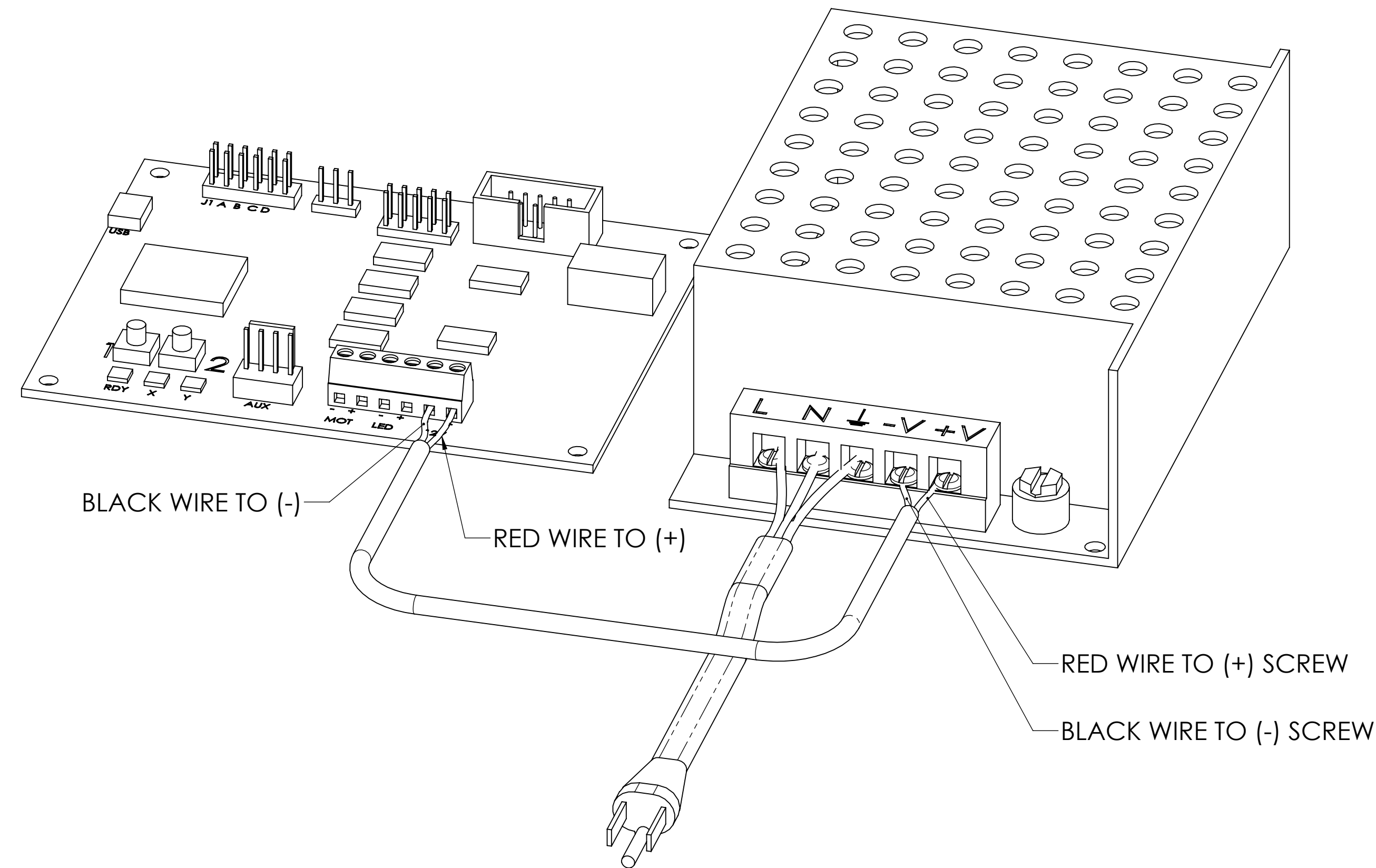
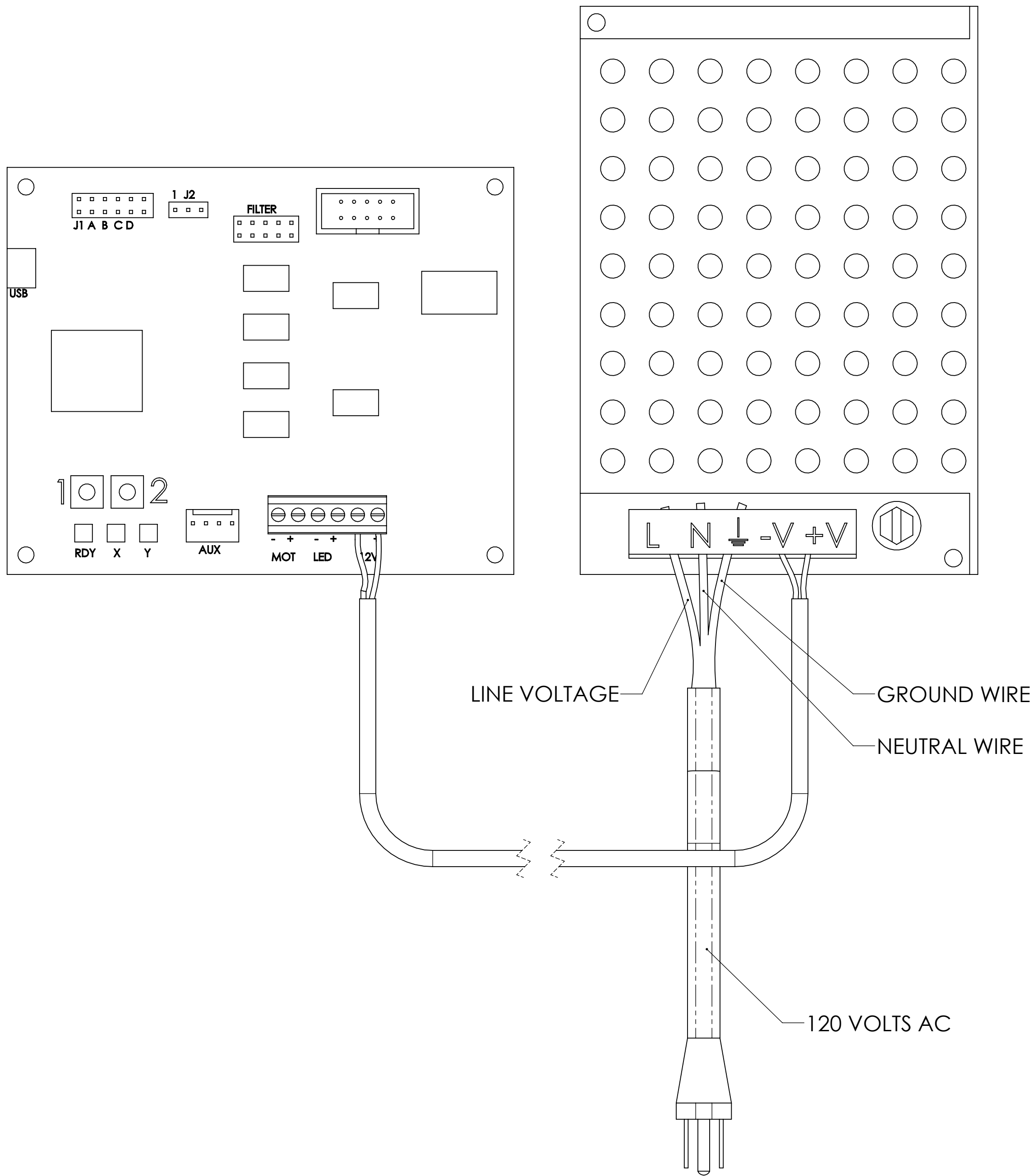
DETAIL P

DRAWING OF WIRING THE LED

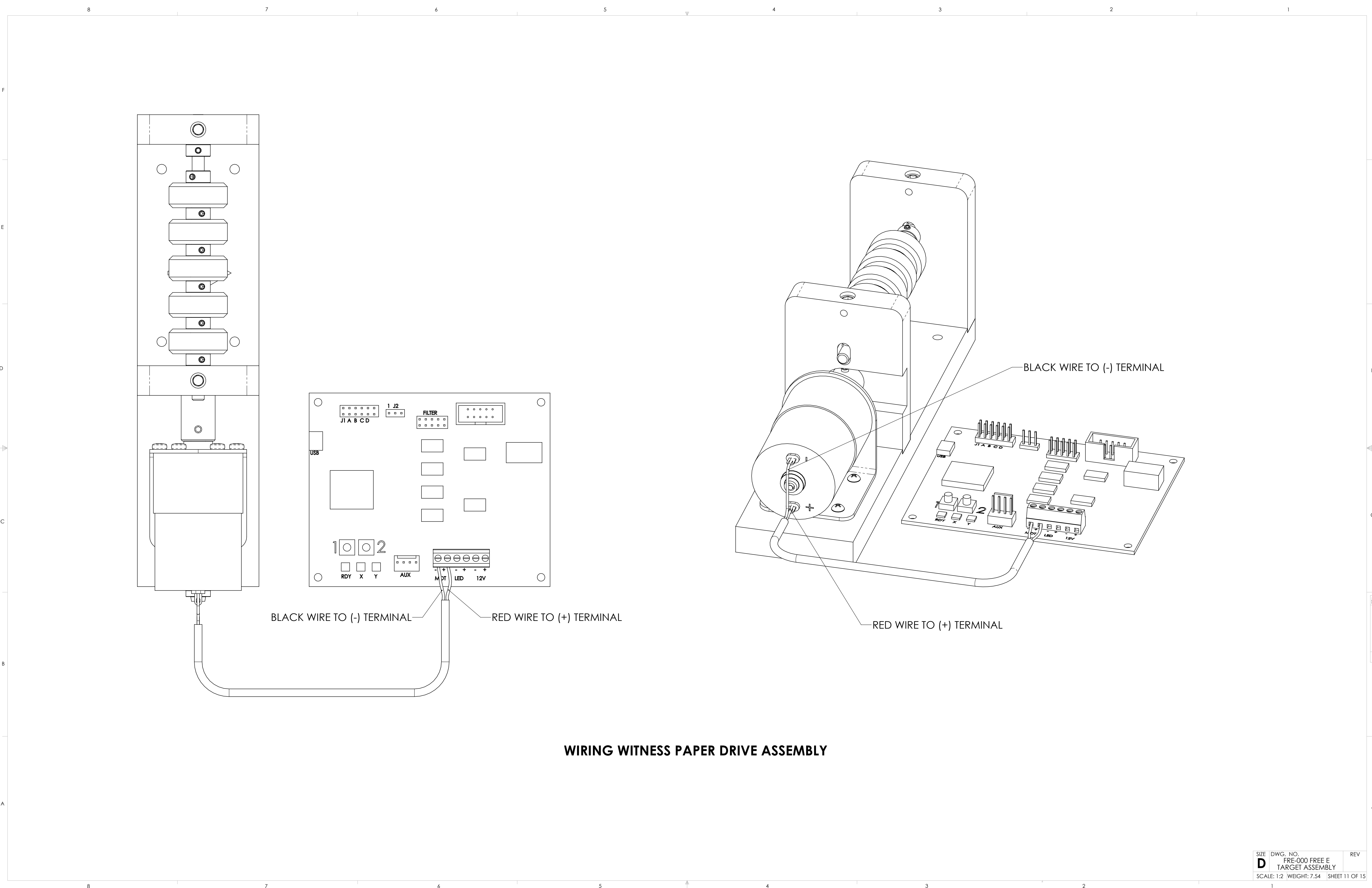




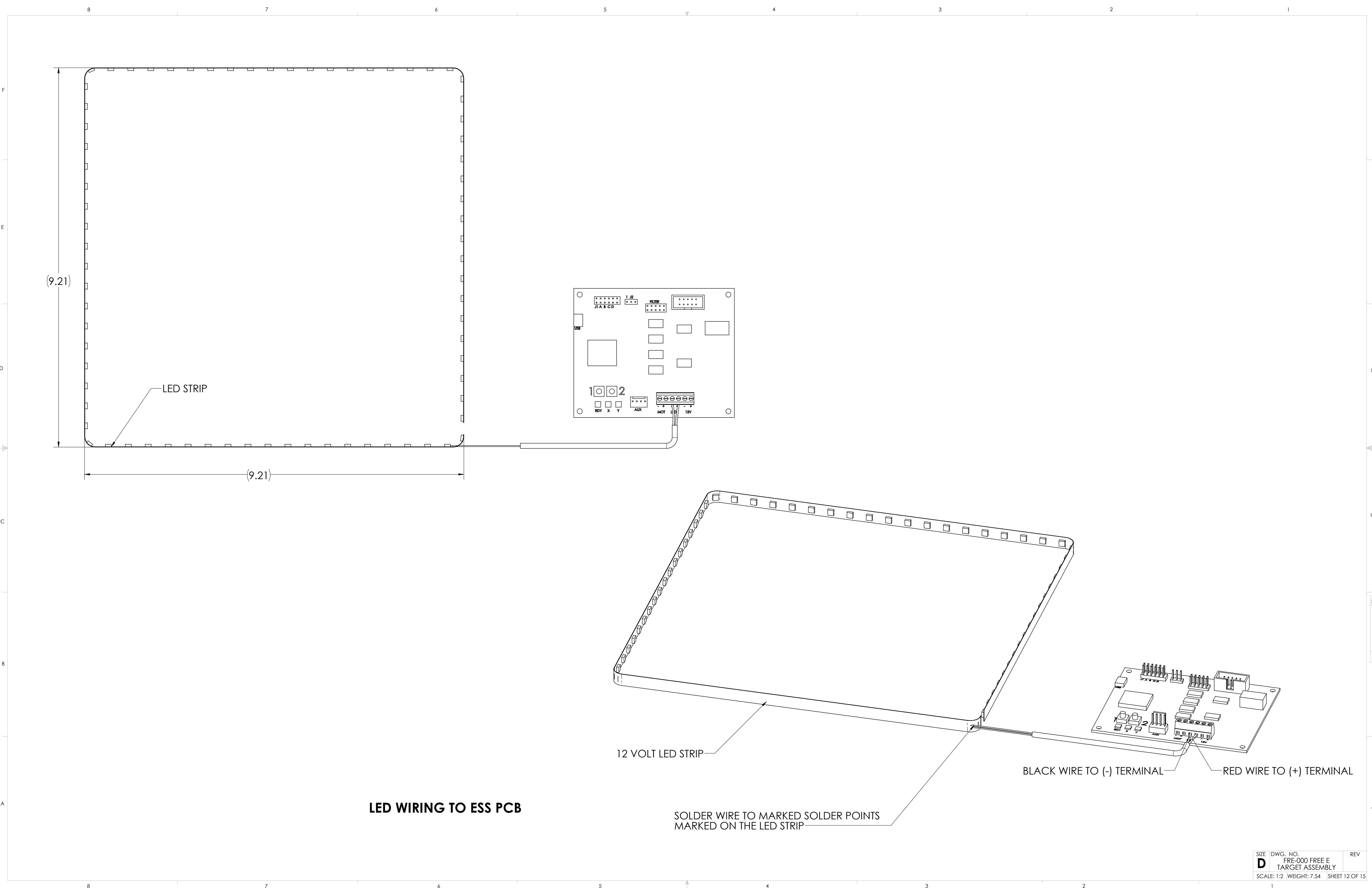
ISOMETRIC EXPLODED VIEW  
WITH RIGHT SIDE AND TOP PANEL  
HIDDEN FOR CLARITY

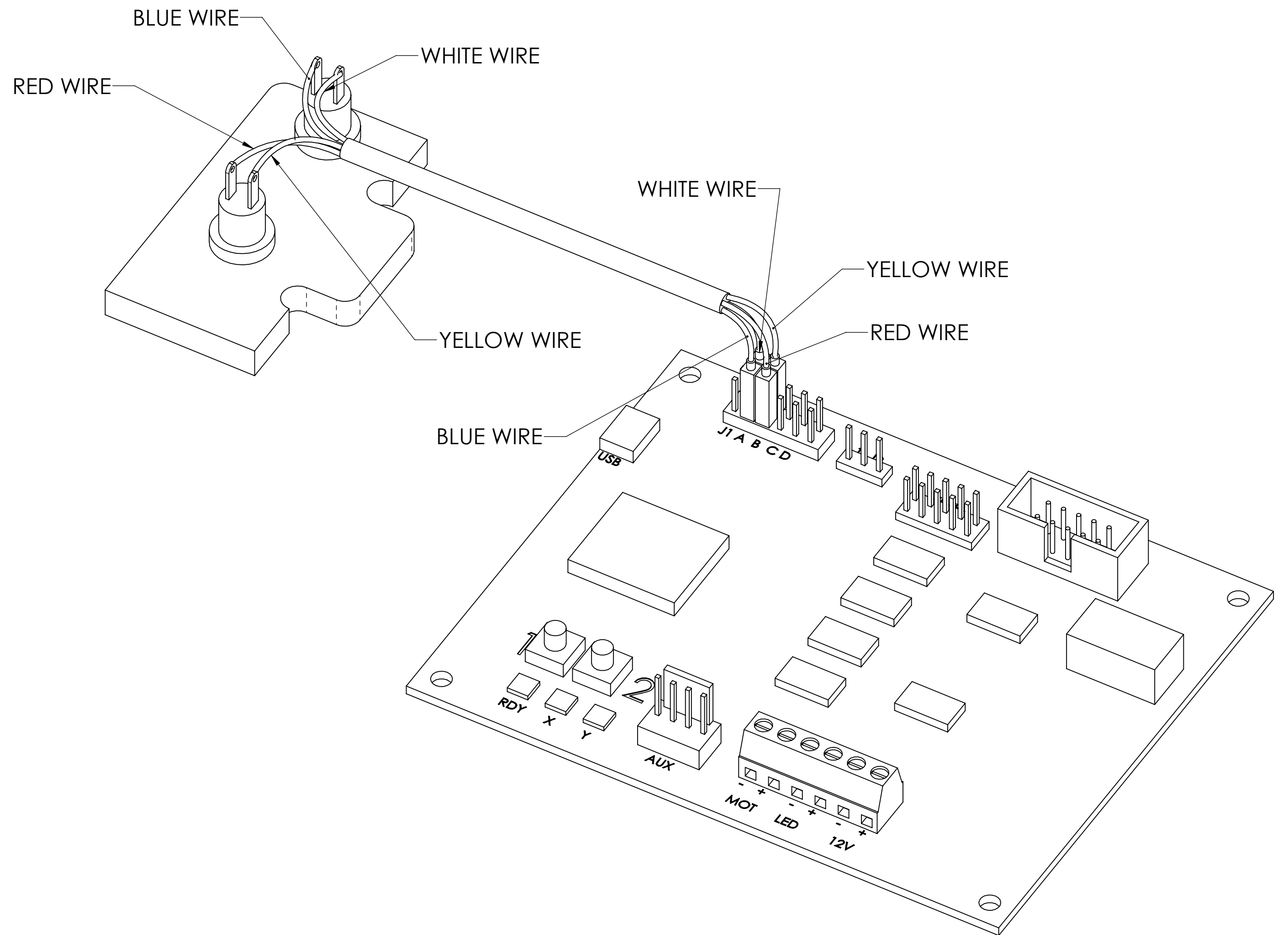
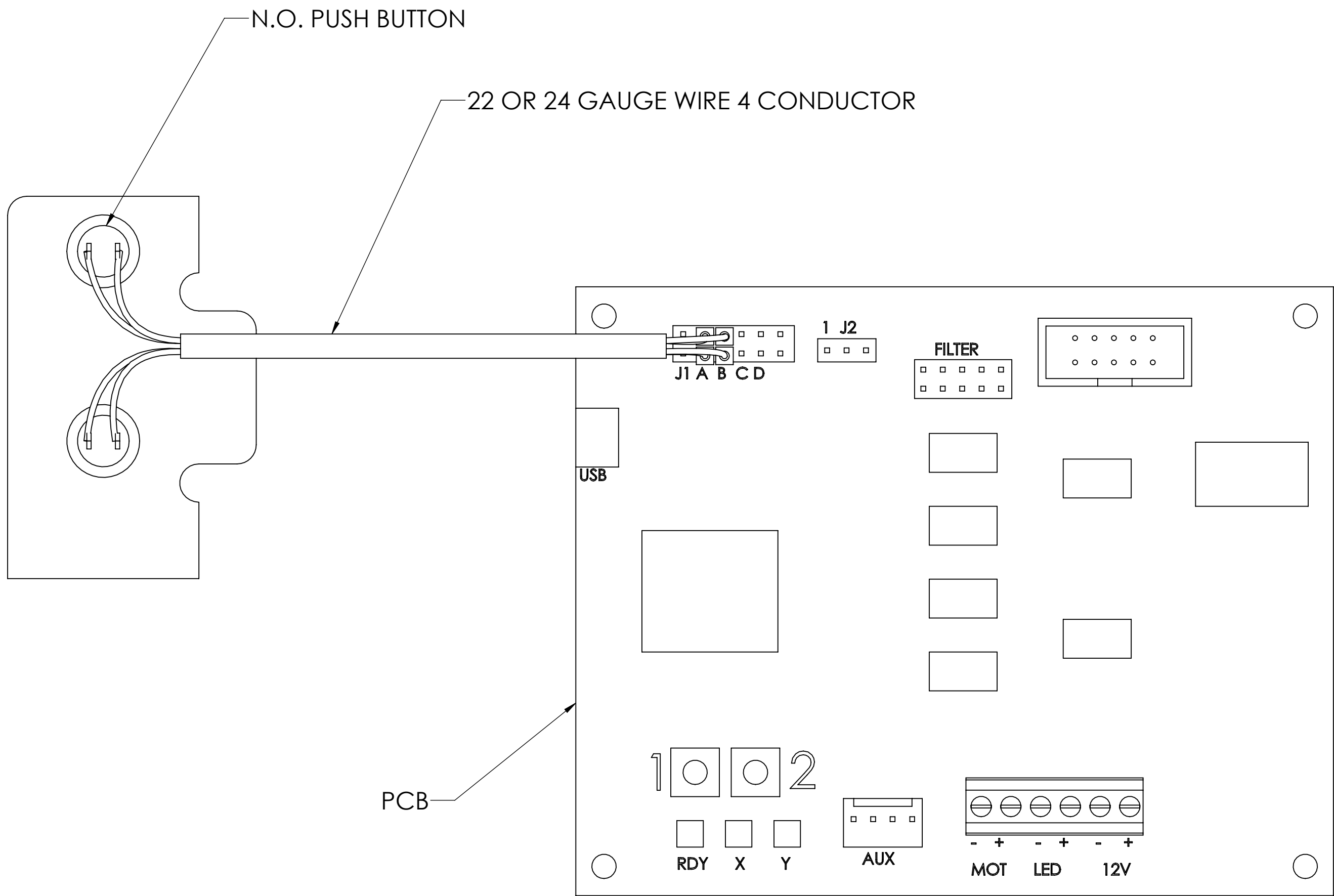


WIRING 12 VOLT POWER SUPPLY TO ESS PC BOARD



WIRING WITNESS PAPER DRIVE ASSEMBLY





## WIRING MULTI FUNCTION SWITCHES TO PCB

