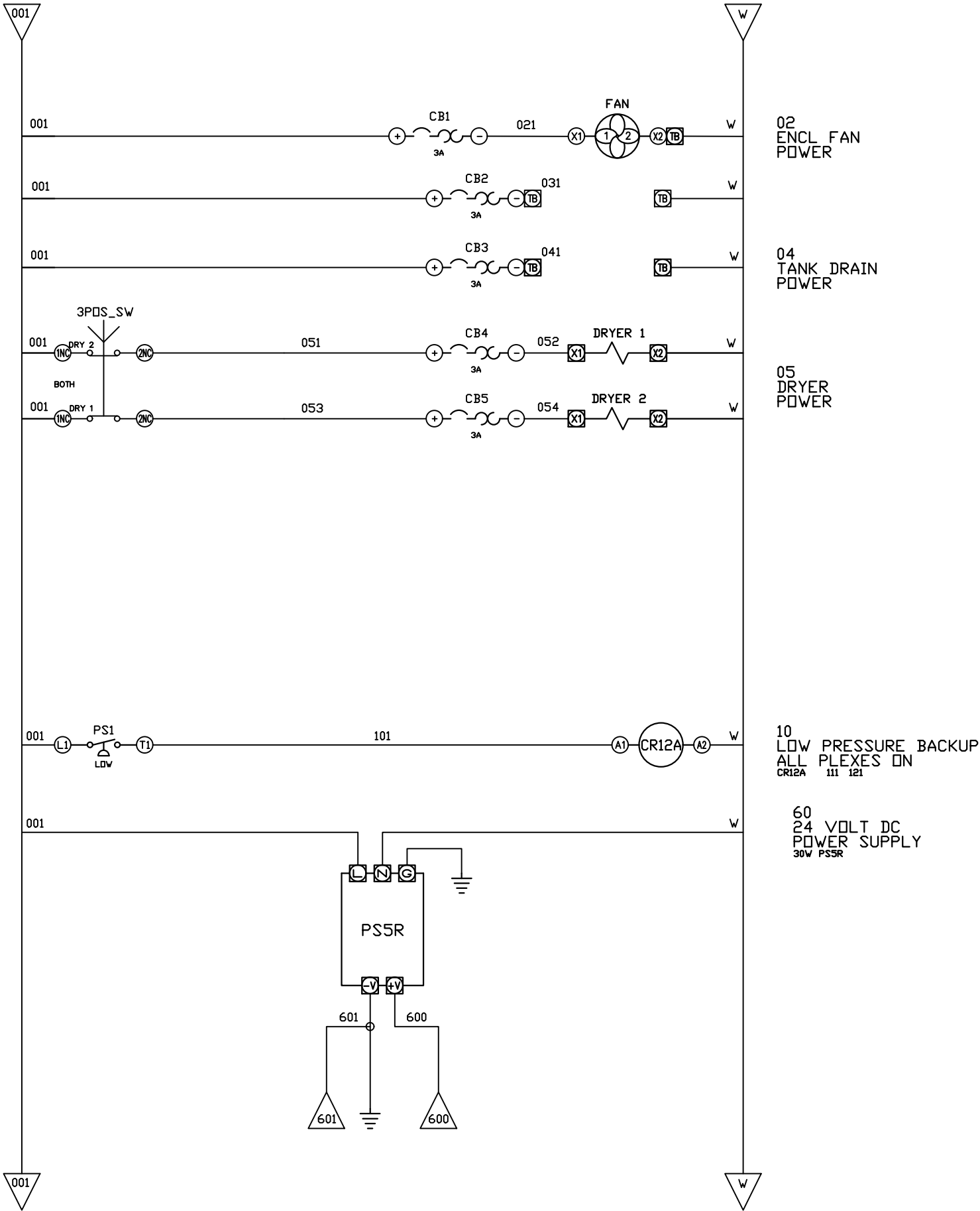




| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

CONFIDENTIAL DISCLOSURE:

This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

DWG. TYPE      WIRING

DWG. NO.

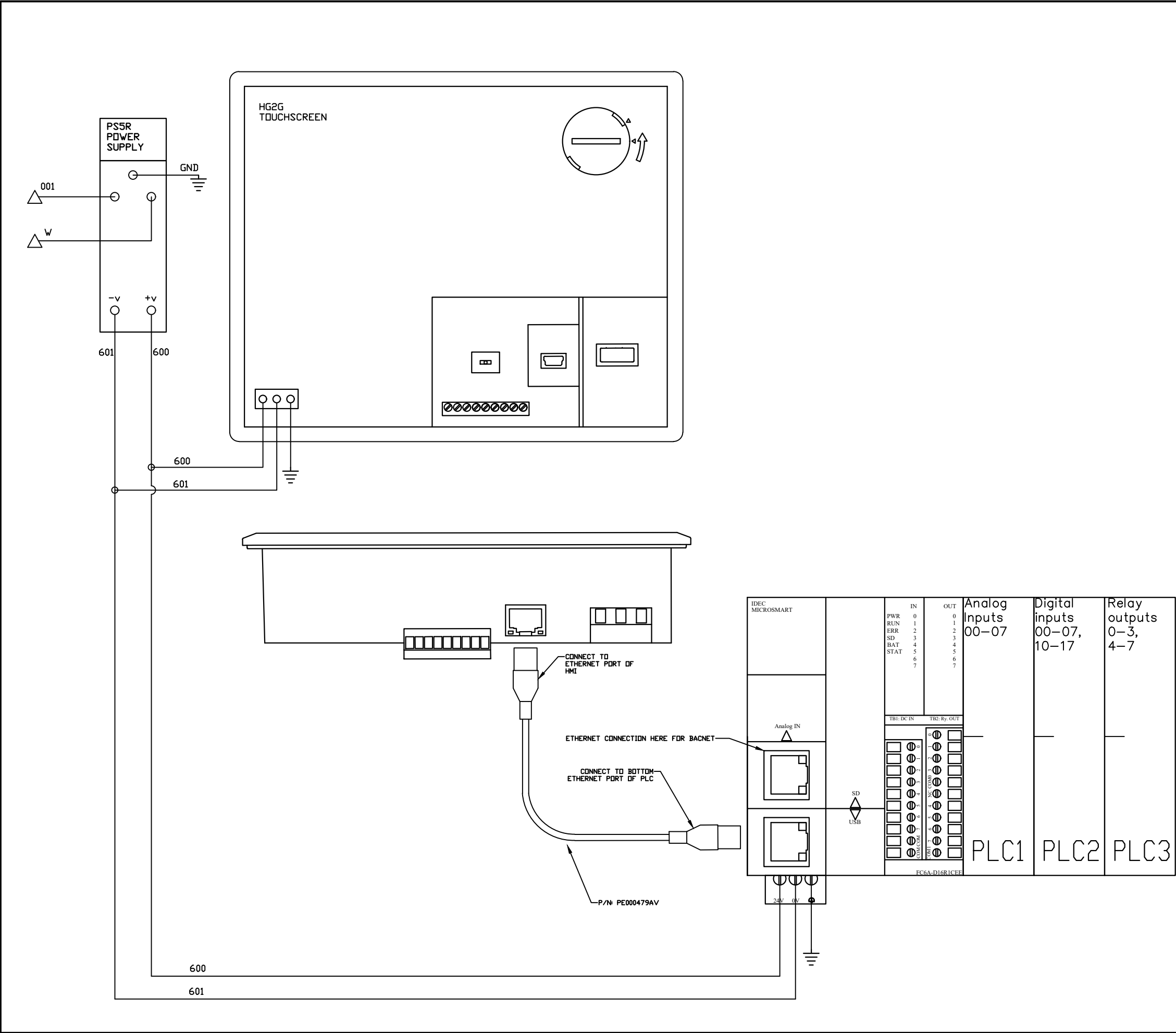
PBIA-269

|       |      |
|-------|------|
| SHEET | SIZE |
| W-2   | B    |

PBIA-269



| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

DWG. TYPE      WIRING

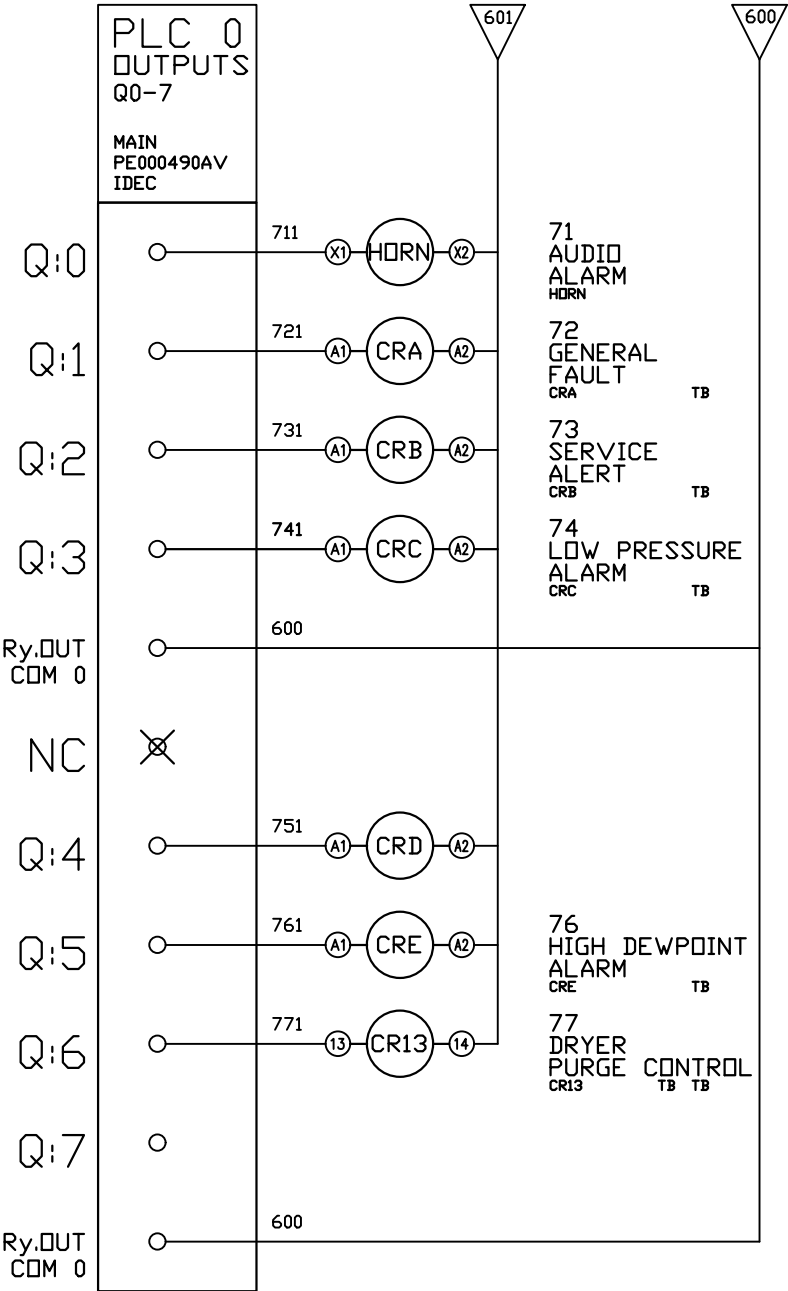
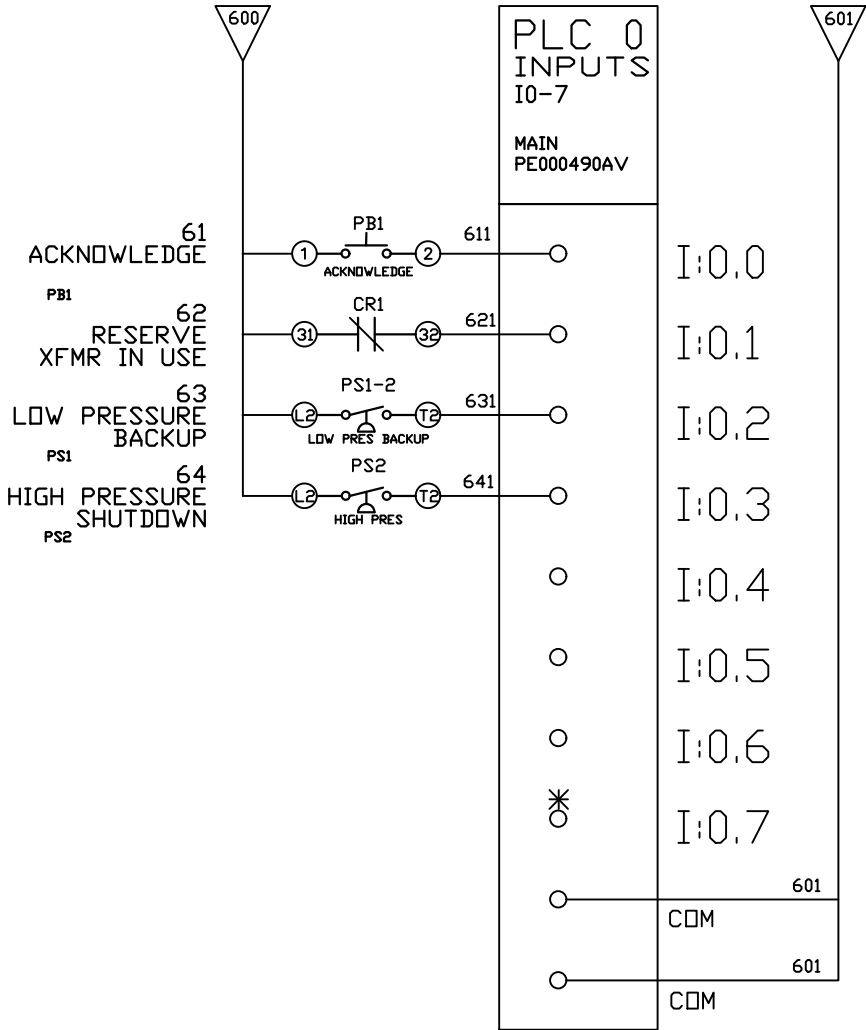
DWG. NO.

PBIA-269

|       |      |
|-------|------|
| SHEET | SIZE |
| W-4   | B    |

PBIA-269

| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

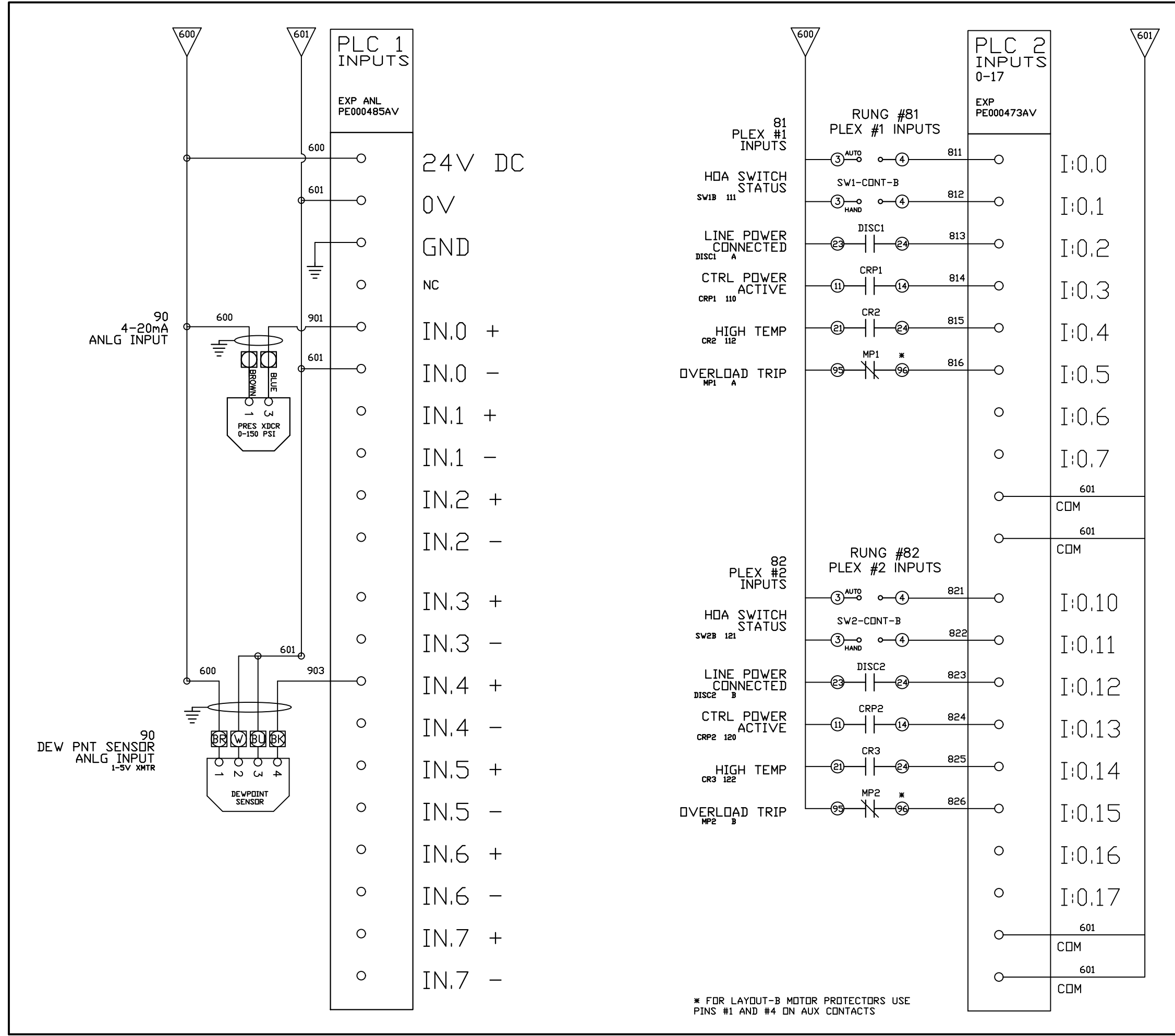
DWG. TYPE WIRING

DWG. NO. PBIA-269

|       |      |
|-------|------|
| SHEET | SIZE |
| W-5   | B    |

PBIA-269

\* INSTALL JUMPER FOR FACTORY TEST



| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |

OPTIONAL:

POWEREX™

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

DWG. TYPE      WIRING

DWG. NO.

PBIA-269

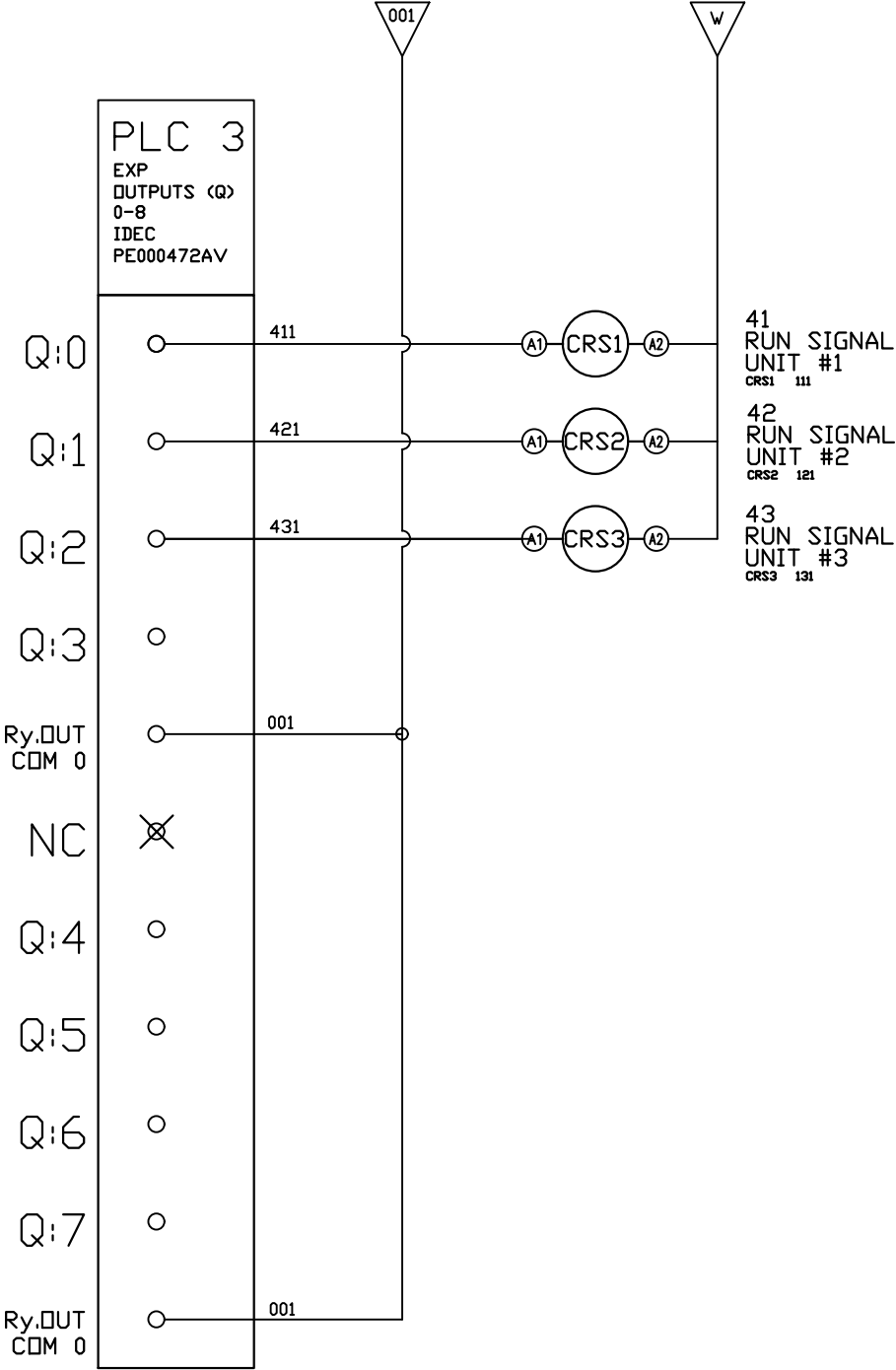
|       |      |
|-------|------|
| SHEET | SIZE |
| W-6   | B    |

PBIA-269

\* FOR LAYOUT-B MOTOR PROTECTORS USE PINS #1 AND #4 ON AUX CONTACTS



| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

POWEREX™

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|----------|------------|----------------------|
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE  
INST. AIR DUPLEX  
HMI, NFPA

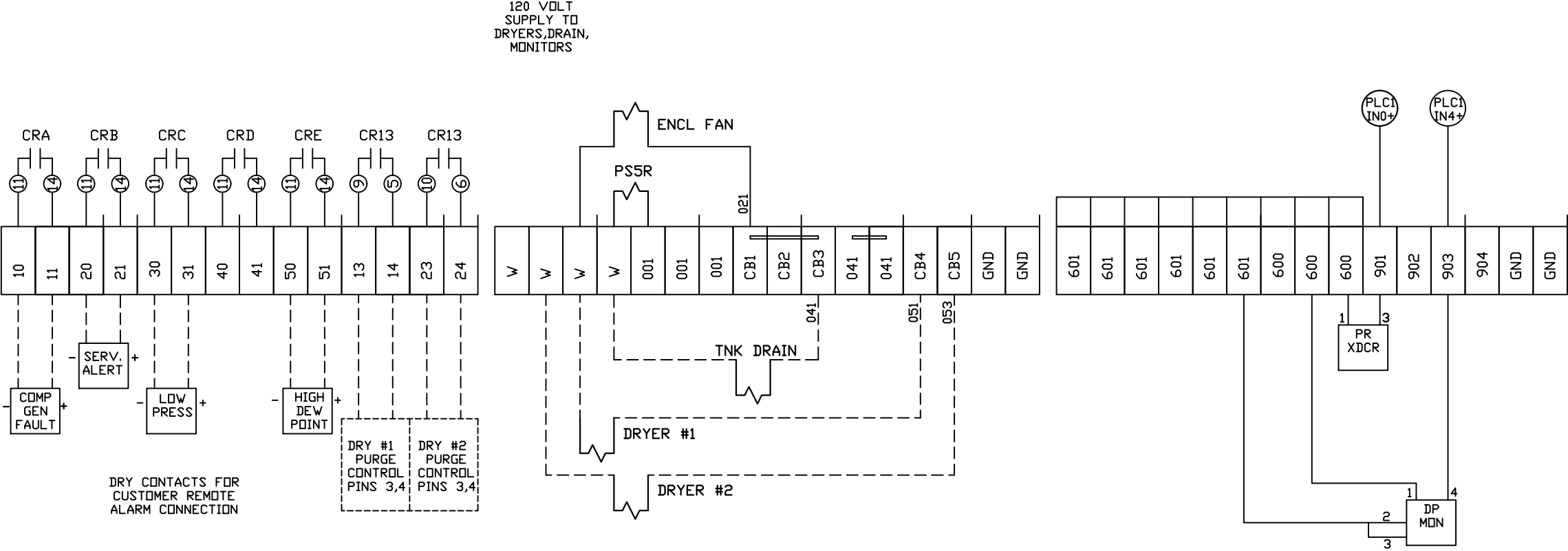
DWG. TYPE  
WIRING

DWG. NO.  
PBIA-269

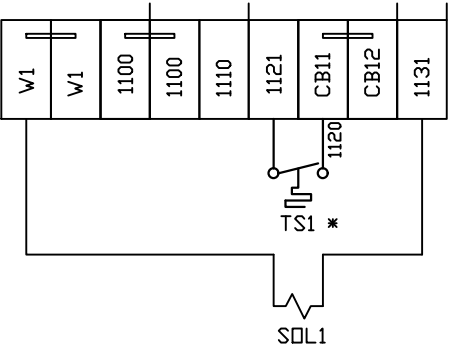
| SHEET | SIZE |
|-------|------|
| W-7   | B    |

| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |

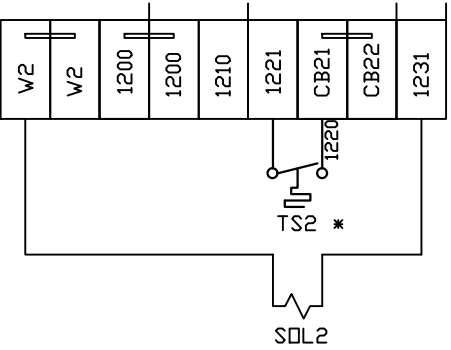
TERMINAL BLOCKS



PLEX #1 CONNECTIONS



PLEX #2 CONNECTIONS



FIELD WIRING NOTES:

- PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
- TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY.
- FIELD WIRING INDICATED BY -----, WIRE TO BE COPPER RATED AT 75° C.
- ALL ALARM DRY CONTACTS ARE CLOSED FOR NORMAL OPERATION AND OPEN IN ALARM.
- DRY CONTACT RATING: 30V DC/2A (resistive load, inductive load L/R = 7 ms)
- USE CAT-5 CABLE W/RJ45 CONNECTOR FOR ETHERNET CONNECTION TO COMMUNICATION NETWORK OR BAS SYSTEM

\*\*\* IF MULTIPLE TEMP SWITCHES PER PLEX, CONNECT SWITCHES IN SERIES.

OPTIONAL:

POWEREX™

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

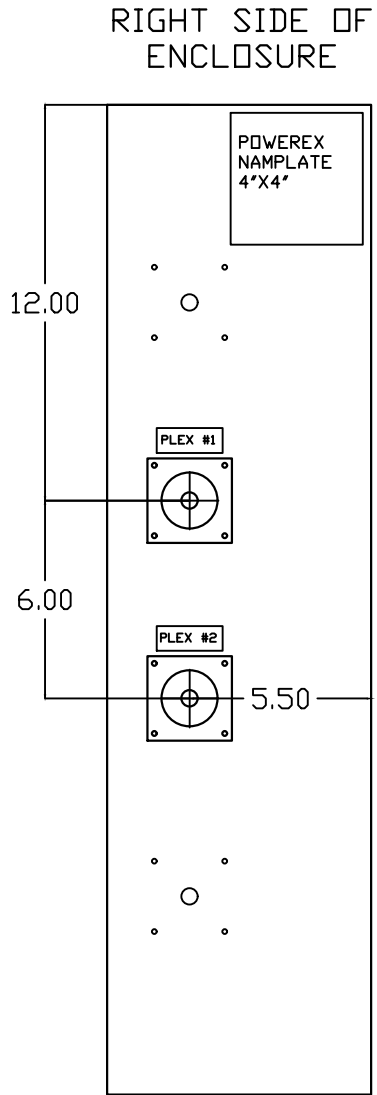
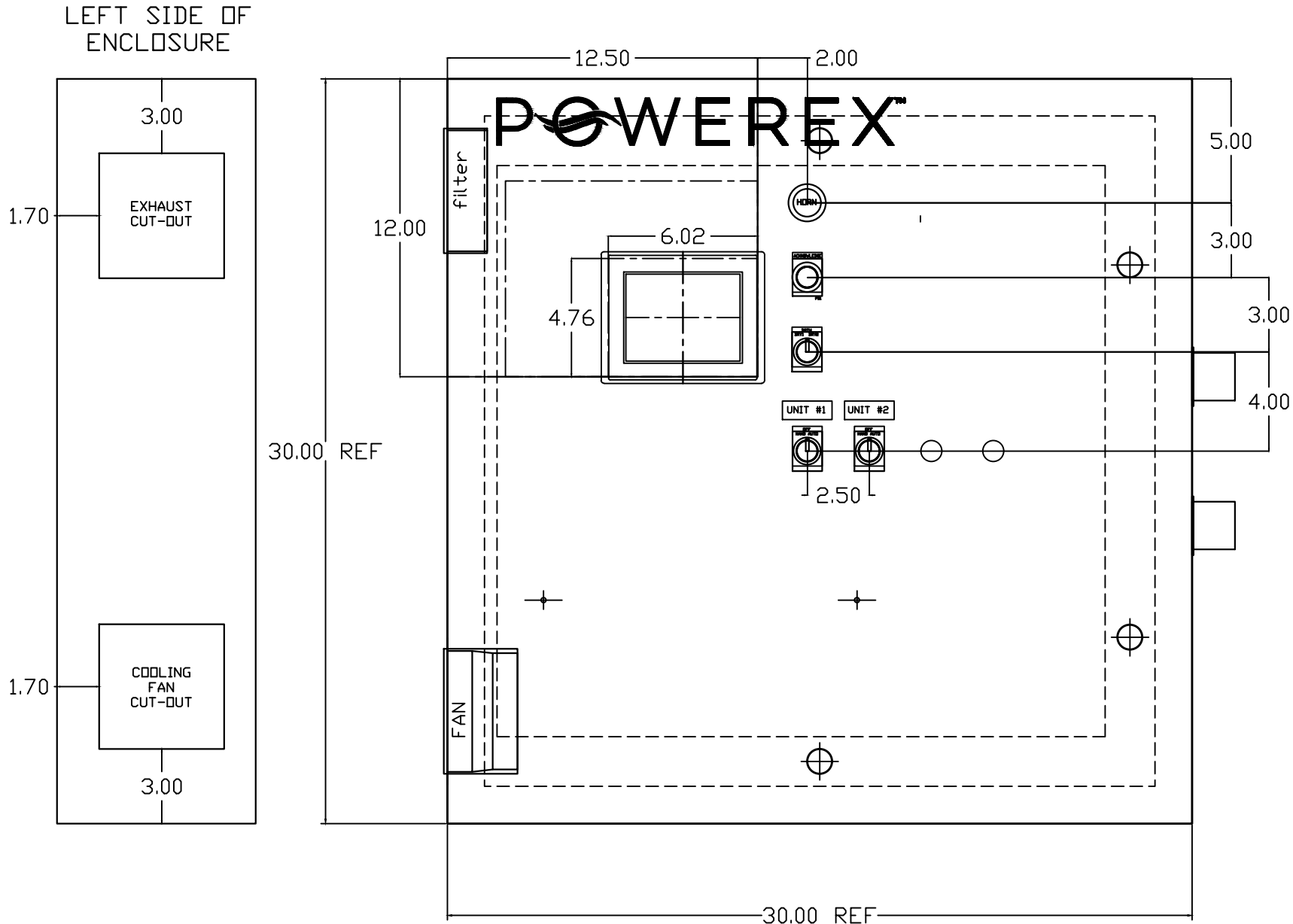
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|----------|------------|----------------------|
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

|                               |  |  |
|-------------------------------|--|--|
| PANEL TYPE                    |  |  |
| INST. AIR DUPLEX<br>HMI, NFPA |  |  |
| DWG. TYPE WIRING              |  |  |
| DWG. NO. PBIA-269             |  |  |

| SHEET | SIZE |
|-------|------|
| W-8   | B    |



| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

**POWEREX™**

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

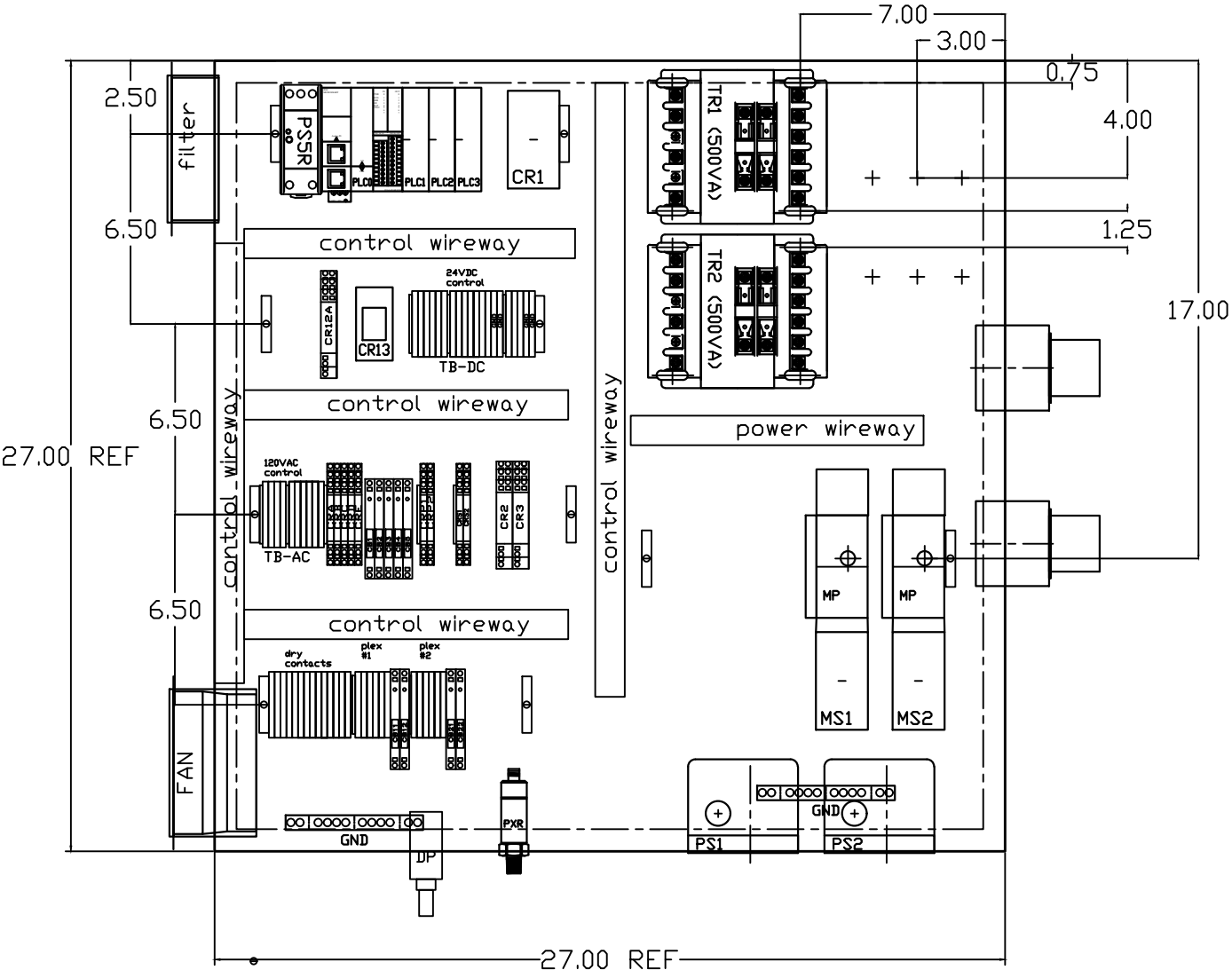
DWG. TYPE LAYOUT

DWG. NO. PBIA-269

|       |      |
|-------|------|
| SHEET | SIZE |
| LA-1  | B    |

PBIA-269

| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

POWEREX™

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
|----------|------------|----------------------|
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

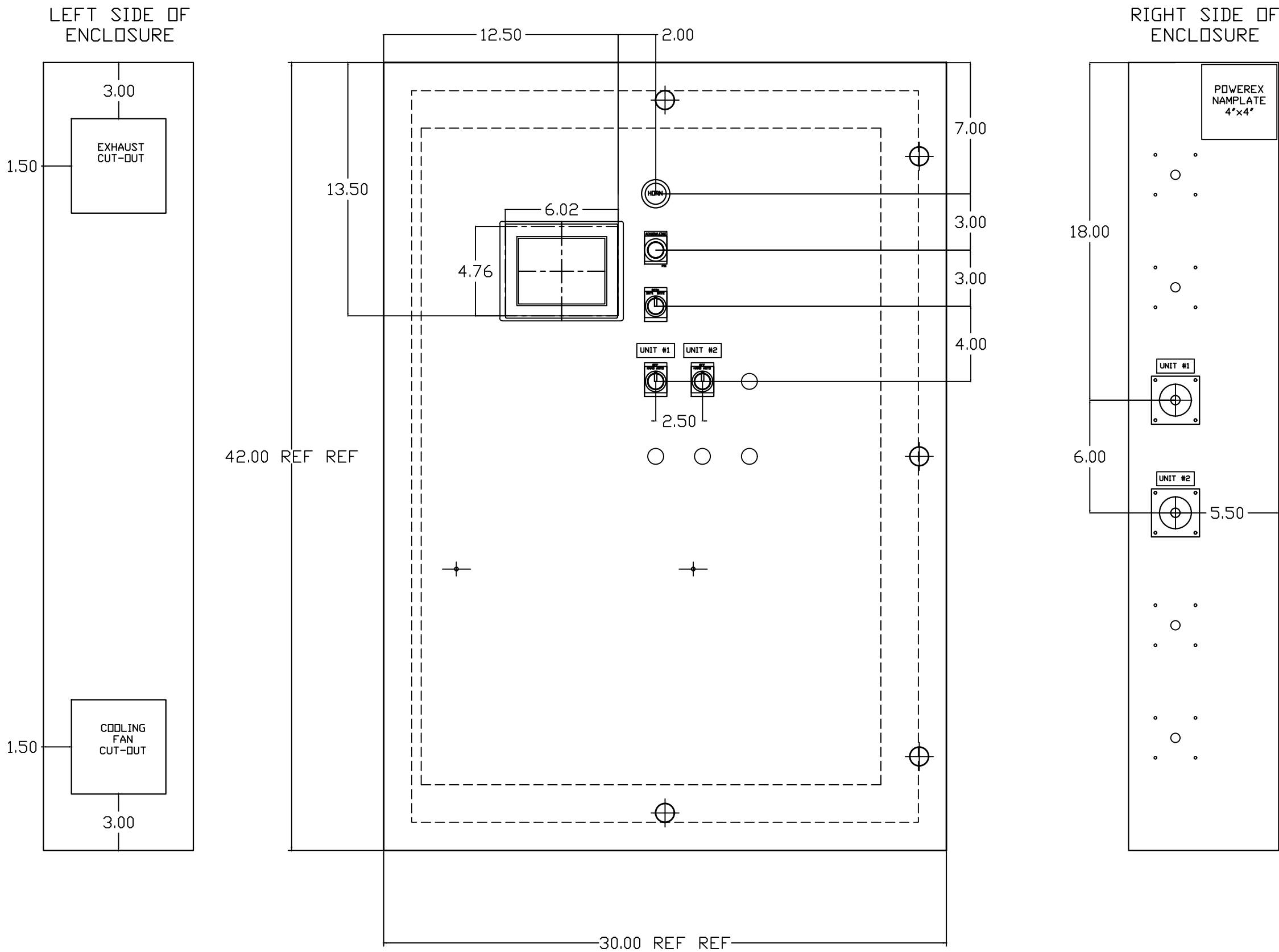
PANEL TYPE  
INST. AIR DUPLEX  
HMI, NFPA

DWG. TYPE LAYOUT

DWG. NO.  
PBIA-269

| SHEET | SIZE |
|-------|------|
| LA-2  | B    |

| REV | REVISION                     | DATE     | ECN      | NAME | CHKD |
|-----|------------------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION        | 09/15/23 | PXEC0521 | KMD  | AJL  |
| D-1 | ADDED GROUND TERMINAL BLOCKS | 07/14/25 | PXEC0688 | JRD  | STK  |
| E-1 | ADDED PLEX ISOLATION         | 07/21/25 | PXEC0639 | SEK  | WMM  |



OPTIONAL:

CONFIDENTIAL DISCLOSURE:  
This drawing is the property of POWEREX, INC. of the SCOTT FETZER COMPANY and subject to return on demand. Its contents are confidential and must not be copied or submitted to outside parties for use or examination.

|          |            |                      |
|----------|------------|----------------------|
| DRAWN BY | CHECKED BY | ENGINEERING APPROVAL |
| KMD      | AJL        | KMD                  |
| 09/15/23 | 09/15/23   | 09/15/23             |

PANEL TYPE

INST. AIR DUPLEX  
HMI, NFPA

DWG. TYPE LAYOUT

DWG. NO. PBIA-269

|       |      |
|-------|------|
| SHEET | SIZE |
| LB-1  | B    |

PBIA-269



