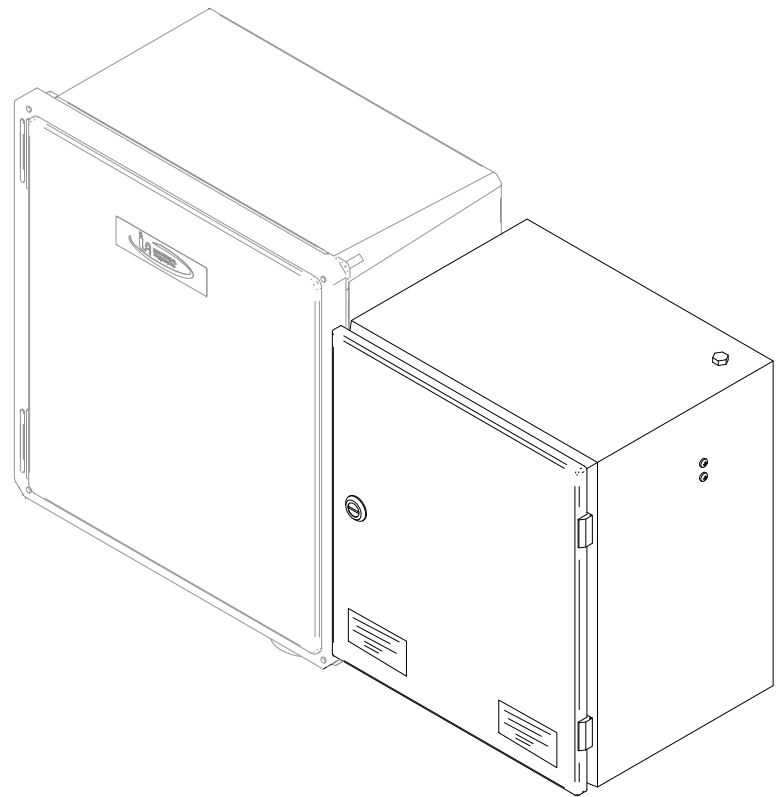
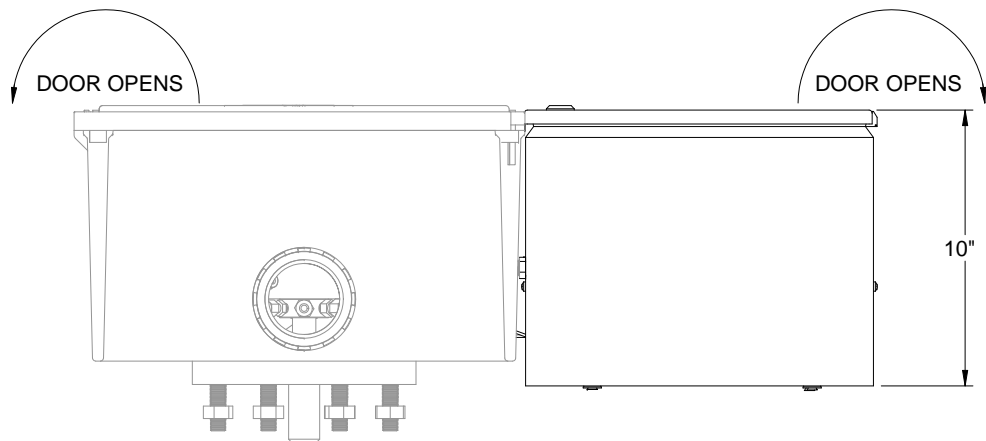


FRONT VIEW



ISOMETRIC VIEW



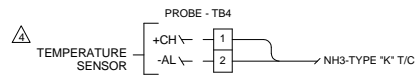
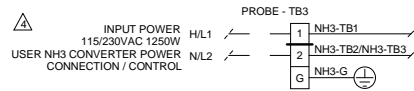
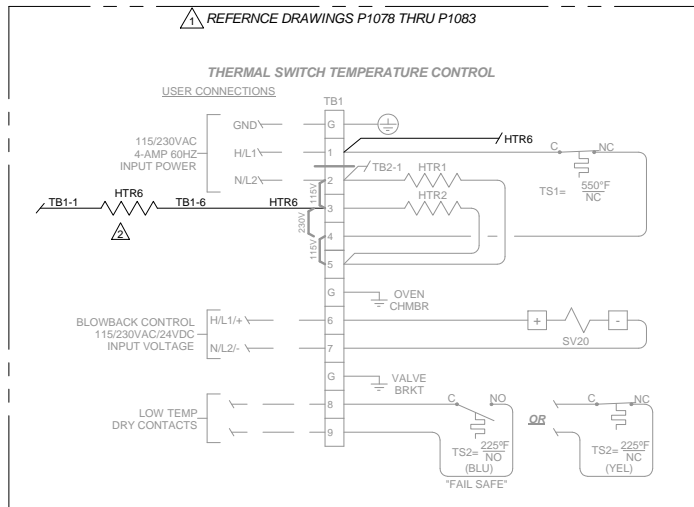
BOTTOM VIEW

| PART NUMBER TABLE |         |
|-------------------|---------|
| Part Number       | Voltage |
| 5209-1062         | 115 VAC |
| 5209-1148         | 230 VAC |

REFERENCE DWG. A0395

|   |  |                   |                 |             |          |
|---|--|-------------------|-----------------|-------------|----------|
| <b>UNIVERSAL ANALYZERS INC.</b><br>5209 Conair Drive<br>Carson City, Nevada 89706 USA |  | D 01/20/12        | Add Tag Sheet 5 | MW          | DA       |
| NH3 CONVERTOR ATTACHED TO SAMPLE PROBE  |  | REV               | DATE            | DESCRIPTION | DWN/APVD |
| PART NO. See Table  |  | REVISIONS         |                 |             |          |
| FOR 270-NH3   |  | DATE              | SCALE           | SIZE        | SHEET    |
|   |  | 10/13/2008        | NTS             | D           | 1 OF 5   |
|   |  | DRAWN BY R. Wells | ECO #           | DRAWING NO. |          |
|   |  | APVD BY D. Ayers  | 1171            | P1376       |          |

SAMPLE PROBE ENCLOSURE



NOTES:

△ 270Sf ELECTRICAL SHOWN FOR REFERENCE ONLY.  
REFER TO SPECIFIC DRAWING FOR DETAILS OF SPECIFIC CONFIGURATION.

△ HTR6: P/N 8000-0018

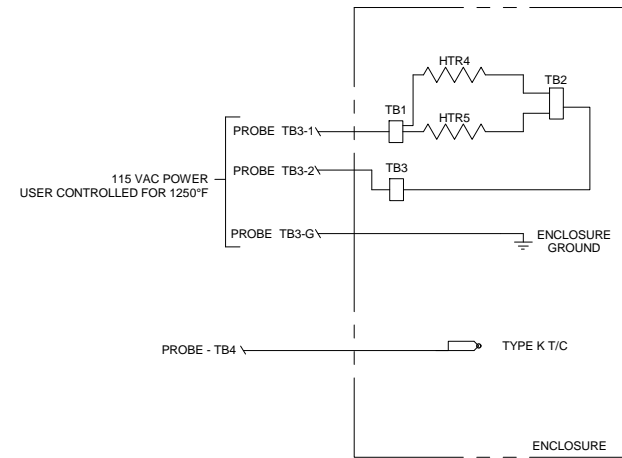
3) SYSTEM IS CONFIGURED AT THE FACTORY FOR REQUIRED VOLTAGE -  
CONTACT U.A.I. FOR VOLTAGE CHANGE.

△ USER TO CONTROL TEMPERATURE OF THERMAL OXIDIZER TO 1250°F (675°C).

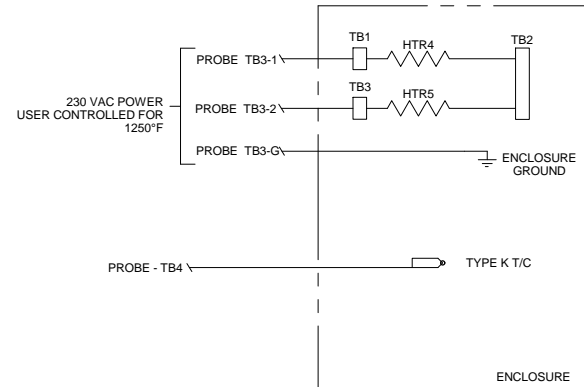
-----  
FIELD TO WIRE

NH3 CONVERTER ENCLOSURE

**115 VAC CONFIGURATION**  
**P/N 5209-1062**



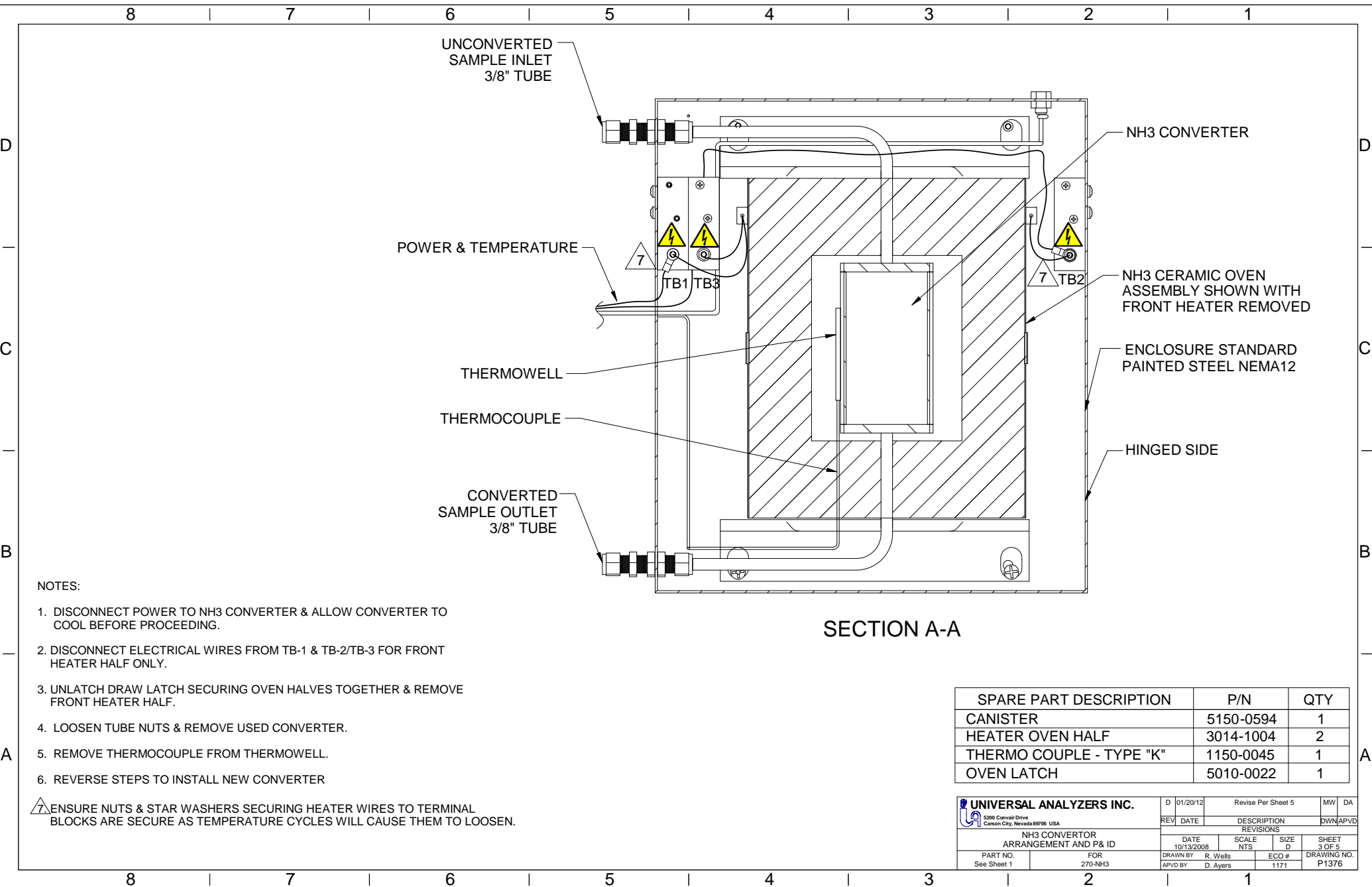
**230 VAC CONFIGURATION**  
**P/N 5209-1148**



|  |       |             |                    |     |      |
|--|-------|-------------|--------------------|-----|------|
| <b>UNIVERSAL ANALYZERS INC.</b>                      |       | D 01/20/12  | Revise Per Sheet 5 | MW  | DA   |
| 3200 Cornsair Drive<br>Carson City, Nevada 89706 USA |       | REV DATE    | DESCRIPTION        | DWN | APVD |
| REVISIONS  |       |             |                    |     |      |
| DATE   | SCALE | SIZE        | SHEET              |     |      |
| 10/13/2008   | NTS   | D           | 2 OF 5             |     |      |
| DRAWN BY   | ECO # | DRAWING NO. |                    |     |      |
| R. Wells   | 1171  | P1376       |                    |     |      |
| APVD BY  |       |             |                    |     |      |
| D. Ayers   |       |             |                    |     |      |

**NH3 CONVERTOR  
WIRING SCHEMATIC**

PART NO. See Sheet 1 FOR 270-NH3



NOTES:

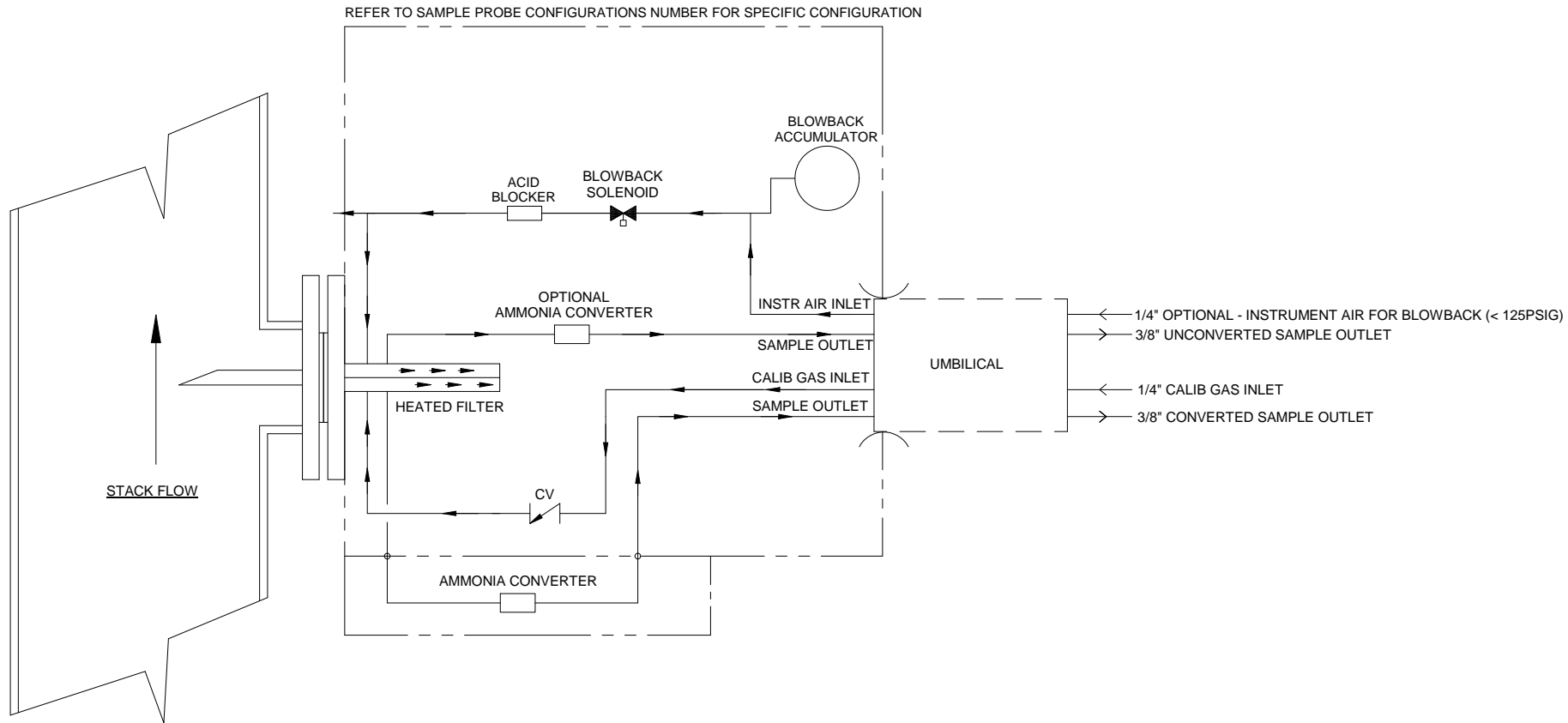
1. DISCONNECT POWER TO NH3 CONVERTER & ALLOW CONVERTER TO COOL BEFORE PROCEEDING.
2. DISCONNECT ELECTRICAL WIRES FROM TB-1 & TB-2/TB-3 FOR FRONT HEATER HALF ONLY.
3. UNLATCH DRAW LATCH SECURING OVEN HALVES TOGETHER & REMOVE FRONT HEATER HALF.
4. LOOSEN TUBE NUTS & REMOVE USED CONVERTER.
5. REMOVE THERMOCOUPLE FROM THERMOWELL.
6. REVERSE STEPS TO INSTALL NEW CONVERTER

**7** ENSURE NUTS & STAR WASHERS SECURING HEATER WIRES TO TERMINAL BLOCKS ARE SECURE AS TEMPERATURE CYCLES WILL CAUSE THEM TO LOOSEN.

SECTION A-A

| SPARE PART DESCRIPTION   | P/N       | QTY |
|--------------------------|-----------|-----|
| CANISTER                 | 5150-0594 | 1   |
| HEATER OVEN HALF         | 3014-1004 | 2   |
| THERMO COUPLE - TYPE "K" | 1150-0045 | 1   |
| OVEN LATCH               | 5010-0022 | 1   |

|   |                |                      |              |                    |                      |      |
|---|----------------|----------------------|--------------|--------------------|----------------------|------|
| <b>UNIVERSAL ANALYZERS INC.</b>                     |                | D                    | 01/20/12     | Revise Per Sheet 5 | MW                   | DA   |
| 3200 Conrail Drive<br>Carson City, Nevada 89706 USA |                | REV                  | DATE         | DESCRIPTION        | DWN                  | APVD |
| NH3 CONVERTOR<br>ARRANGEMENT AND P&ID               |                | REVISIONS            |              |                    |                      |      |
| PART NO.<br>See Sheet 1                             | FOR<br>270-NH3 | DATE<br>10/13/2008   | SCALE<br>NTS | SIZE<br>D          | SHEET<br>3 OF 5      |      |
|   |                | DRAWN BY<br>R. Wells | ECO #        | 1171               | DRAWING NO.<br>P1376 |      |
|   |                | APVD BY<br>D. Ayers  |              |                    |                      |      |



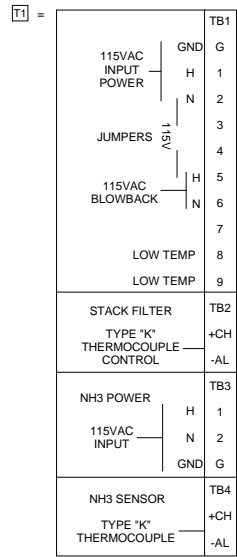
NOTES:

1. TYPICAL P&ID SHOWN AND WILL VARY PER OPTIONS CHOSEN AT TIME OF ORDER.

|  |                |                      |          |                    |                      |    |
|--|----------------|----------------------|----------|--------------------|----------------------|----|
| <b>UNIVERSAL ANALYZERS INC.</b>                      |                | D                    | 01/20/12 | Revise Per Sheet 5 | MW                   | DA |
| 3200 Cornsair Drive<br>Carson City, Nevada 89706 USA |                | REV                  | DATE     | DESCRIPTION        | DWN/APVD             |    |
| REVISIONS  |                |                      |          |                    |                      |    |
| NH3 CONVERTOR<br>P & ID                              |                | DATE                 | SCALE    | SIZE               | SHEET                |    |
|  |                | 10/13/2008           | NTS      | D                  | 4 OF 5               |    |
| PART NO.<br>See Sheet 1                              | FOR<br>270-NH3 | DRAWN BY<br>R. Wells | ECO #    | 1171               | DRAWING NO.<br>P1376 |    |
|  |                | APVD BY<br>D. Ayers  |          |                    |                      |    |

## TAG LIST

UNLESS OTHERWISE SPECIFIED, ALL TAGS ARE TO BE WHITE ON BLACK, 0.2" TALL LETTERS ON GRAVOPLI. ALL TAGS TO BE ATTACHED CLOSE TO ITEM IDENTIFIED, SUCH THAT NO OTHER COMPONENT NEARBY MAY BE MISTAKEN AS THE ITEM IDENTIFIED.



|                                 |                     |  |              |              |                 |                      |
|---------------------------------|---------------------|--|--------------|--------------|-----------------|----------------------|
| <b>UNIVERSAL ANALYZERS INC.</b> |                     | 5200 Cornsair Drive<br>Carson City, Nevada 89706 USA | D 01/20/12   | Add Tag List | MW              | DA                   |
| TAG LIST                        |                     | REVISIONS  |              | REV          | DATE            | DESCRIPTION          |
| PART NO.<br>See Sheet 1         | FOR<br>270-NH3      | DATE<br>10/13/2008                                   | SCALE<br>NTS | SIZE<br>D    | SHEET<br>5 OF 5 | DRAWING NO.<br>P1376 |
| DRAWN BY<br>R. Wells            | APVD BY<br>D. Ayers | ECO #<br>1171  |              |              |                 |                      |