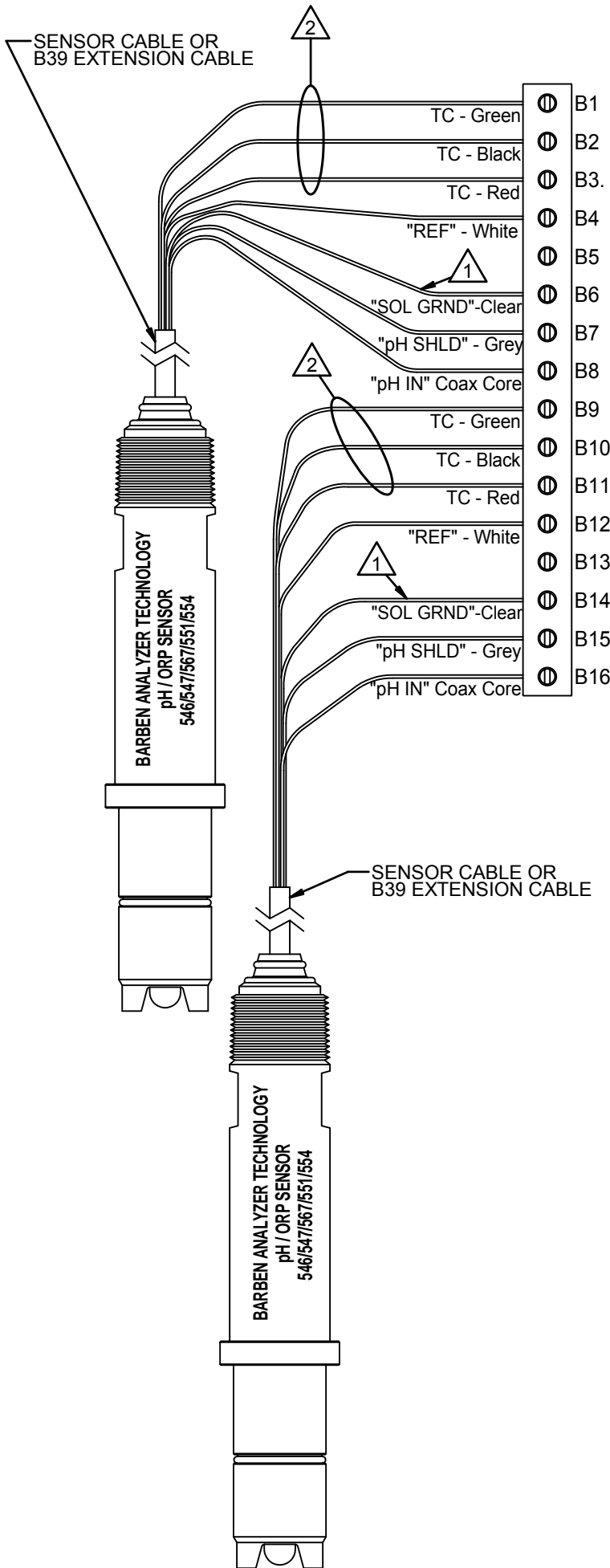


BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ABB AX460 / AX466
 BAT SENSOR CONFIGURATION: "E" TERMINATION, SOLUTION GROUND



"IMPORTANT WARNING"

- ⚠️ 1 THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH (GT, UT & LT) e.g. (B-V-546-X-LT-X-X-X-X-X)
 - ⚠️ 2 FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- NOTE:
 IF THE SENSOR IS FITTED WITH 2-WIRE TC, (e.g. 3.01KΩ BALCO), JUMPER TERMINALS B9 & B10 (AND B1 & B2 IF DUAL INPUT ANALYZER).
- ⚠️ 3 FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

ANALYZER CONFIGURATION AND SETTINGS

• WIRING

| Description | Sensor A Terminal | Sensor B Terminal |
|-------------------------------|-------------------|-------------------|
| TC - Green | B9 | B1 |
| TC - Black | B10 | B2 |
| TC - Red | B11 | B3 |
| "REF" - White | B12 | B4 |
| "SOL GRND" - Clear (Drain) | B14 | B6 |
| "pH SHLD" - Coax Shield | B15 | B7 |
| ⚠️ 3 "pH IN" - Coax Core Wire | B16 | B8 |

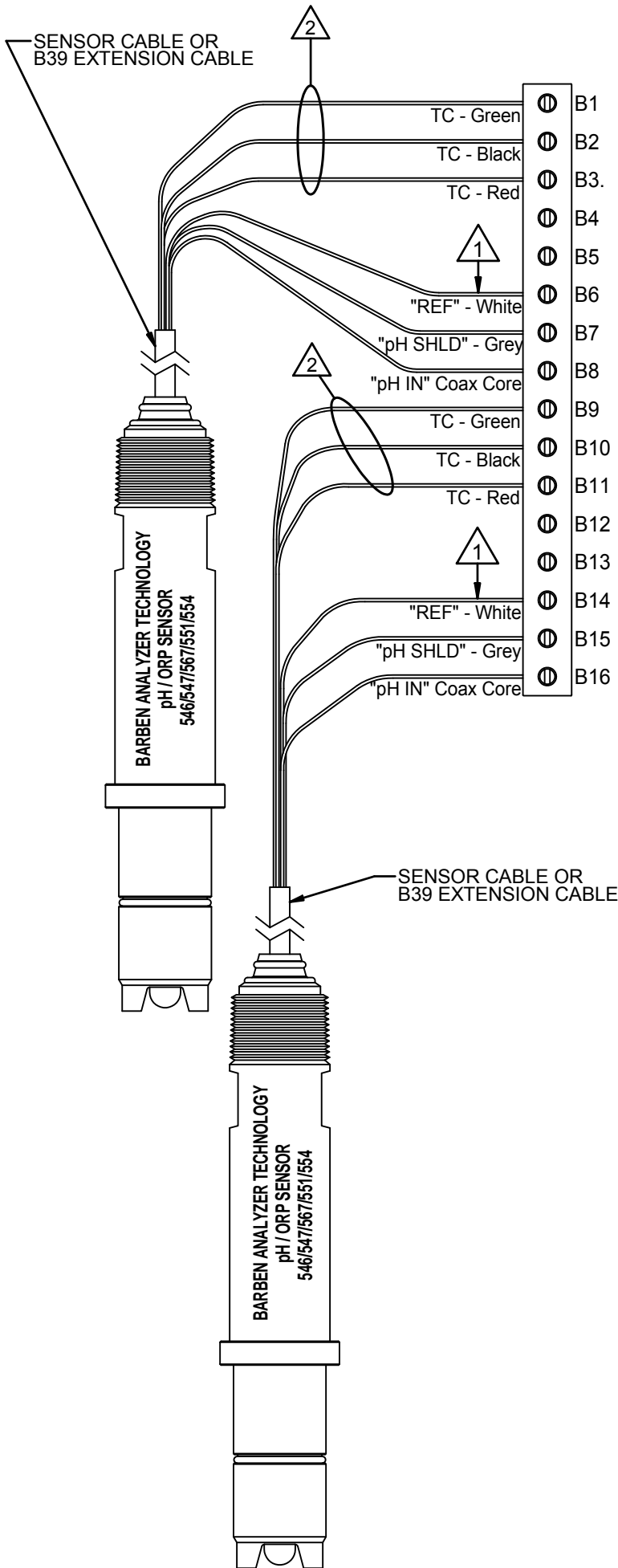
- Select PT100, PT1000 or 3.01kΩ Balco RTD
- Select automatic temperature compensation mode.

| | | | | |
|-----|----------|-------------|-----|------|
| - | 07/15/13 | INITIAL | WC | JL |
| REV | DATE | DESCRIPTION | DWN | APVD |

REVISIONS

| | | | | |
|---|---|------------|-------|------------|
| DIMENSIONS IN INCHES | BAT pH/ORP SENSOR "E" TERMINATION WITH SOLUTION GROUND TO ABB AX460 / AX466 | | | |
| TOLERANCES | FOR BAT pH SENSORS TO AX460/AX466 | | | |
| .0 ± .015" .00 ± .010" .000 ± .005" | | | | |
| FRACTIONAL ALL ± .015" | 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740 | | | |
| ANGLES ± 1/4° | DRAWN BY | W. COWAN | ECO | DRAWING NO |
| UNLESS OTHERWISE SPECIFIED | APVD BY | J. LANG | 1727 | 2P0276 |
| | DATE | 07/15/2013 | SCALE | 1:1 |
| | | | SIZE | A |
| | | | SHEET | 1 OF 4 |

BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ABB AX460 / AX466
 BAT SENSOR CONFIGURATION: "E" TERMINATION, NO SOLUTION GROUND



"IMPORTANT WARNING"

- ⚠️ THE WIRING SHOWS A SENSOR WITHOUT A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH (FT, ST & DT) e.g. (B-V-546-X-DT-X-X-X-X-X)
- FOR SENSORS WITHOUT SOLUTION GROUND (FT, ST & DT) YOU MUST LEAVE OFF / TURN OFF THE ADDITIONAL SENSOR DIAGNOSTICS. CONFIGURE / MODIFY / DIAGNOSTICS [OFF].
- ⚠️ FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- NOTE:
 IF THE SENSOR IS FITTED WITH 2-WIRE TC, (e.g. 3.01KΩ BALCO), JUMPER TERMINALS B9 & B10 (AND B1 & B2 IF DUAL INPUT ANALYZER).
- ⚠️ FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

ANALYZER CONFIGURATION AND SETTINGS

• WIRING

| Description | Sensor A Terminal | Sensor B Terminal |
|-----------------------------|-------------------|-------------------|
| TC - Green | B9 | B1 |
| TC - Black | B10 | B2 |
| TC - Red | B11 | B3 |
| "REF" - White | B14 | B6 |
| "pH SHLD" - Coax Shield | B15 | B7 |
| ⚠️ "pH IN" - Coax Core Wire | B16 | B8 |

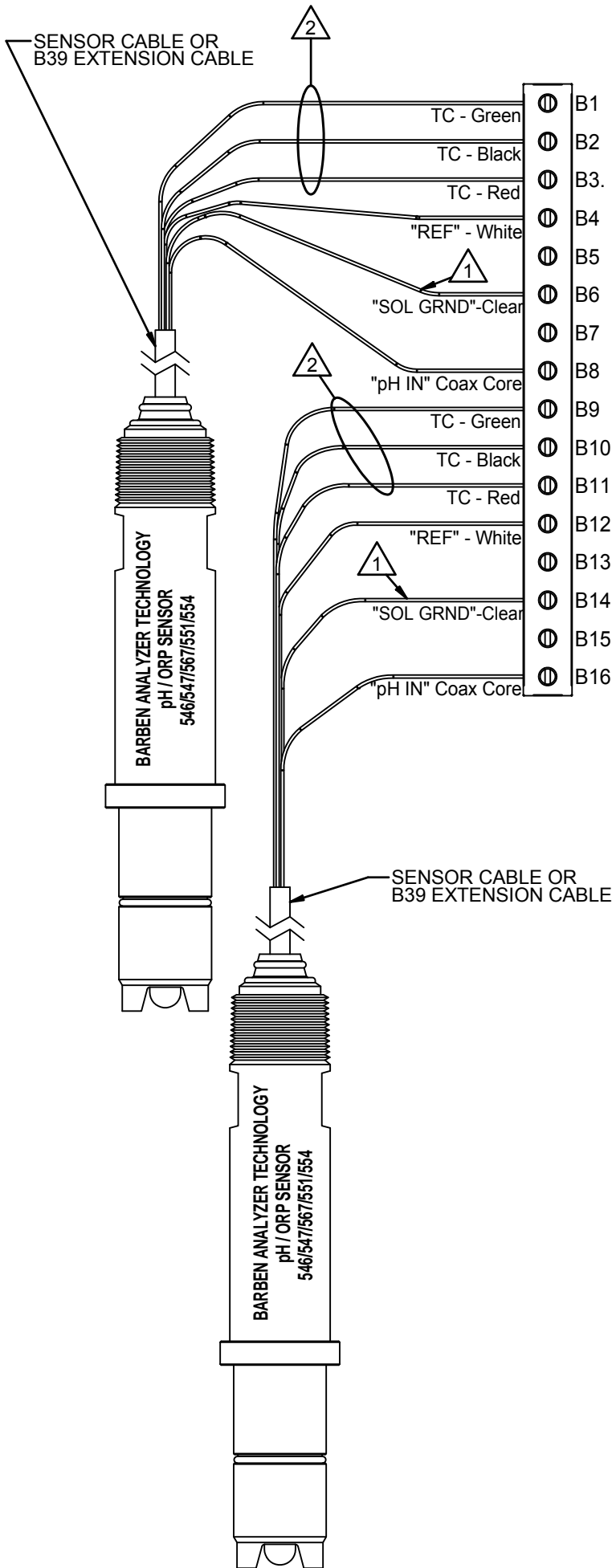
- Select PT100, PT1000 or 3.01kΩ Balco RTD
- Select automatic temperature compensation mode.

| | | | | |
|-----|----------|-------------|-----|------|
| - | 07/15/13 | INITIAL | WC | JL |
| REV | DATE | DESCRIPTION | DWN | APVD |

REVISIONS

| | | | | |
|---|--|------------|-------|------------|
| DIMENSIONS IN INCHES | BAT pH/ORP SENSOR "E" TERMINATION NO SOLUTION GROUND TO ABB AX460 / AX466 | | | |
| TOLERANCES | FOR BAT pH SENSORS to AX460/AX466 | | | |
| .0 ± .015" .00 ± .010" .000 ± .005" | | | | |
| FRACTIONAL ALL ± .015" | Analyzer Technology, LLC O'BRIEN 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740 | | | |
| ANGLES ± 1/4° | DRAWN BY | W. COWAN | ECO | DRAWING NO |
| UNLESS OTHERWISE SPECIFIED | APVD BY | J. LANG | 1727 | 2P0276 |
| | DATE | 07/15/2013 | SCALE | 1:1 |
| | | | SIZE | A |
| | | | SHEET | 2 OF 4 |

BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ABB AX460 / AX466
BAT SENSOR CONFIGURATION: "C" TERMINATION, SOLUTION GROUND



"IMPORTANT WARNING"

- ⚠️ **1** THE WIRING SHOWS A SENSOR WITH A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH (GT, UT & LT) e.g. (B-V-546-X-LT-X-X-X-X-X)
 - ⚠️ **2** FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- NOTE:
 IF THE SENSOR IS FITTED WITH 2-WIRE TC, (e.g. 3.01KΩ BALCO), JUMPER TERMINALS B9 & B10 (AND B1 & B2 IF DUAL INPUT ANALYZER).
- ⚠️ **3** FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

ANALYZER CONFIGURATION AND SETTINGS

• WIRING

| Description | Sensor A Terminal | Sensor B Terminal |
|--------------------------------------|-------------------|-------------------|
| TC - Green | B9 | B1 |
| TC - Black | B10 | B2 |
| TC - Red | B11 | B3 |
| "REF" - White | B12 | B4 |
| "SOL GRND" - Clear (Drain) | B14 | B6 |
| ⚠️ 3 "pH IN" - Coax Core Wire | B16 | B8 |

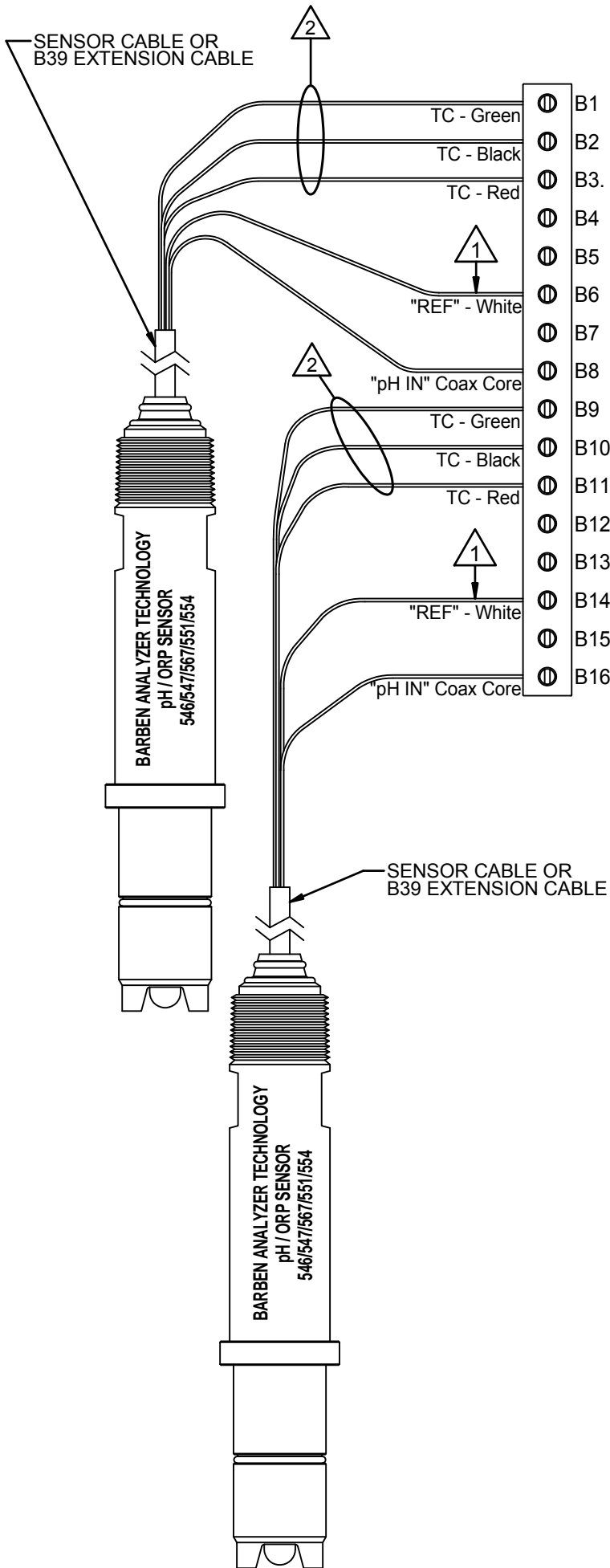
- Select PT100, PT1000 or 3.01kΩ Balco RTD
- Select automatic temperature compensation mode.

| | | | | |
|-----|----------|-------------|-----|------|
| - | 07/15/13 | INITIAL | WC | JL |
| REV | DATE | DESCRIPTION | DWN | APVD |

REVISIONS

| | | | | |
|----------------------------|---|------------|-------|------------|
| DIMENSIONS IN INCHES | BAT pH/ORP SENSOR "C" TERMINATION WITH SOLUTION GROUND TO ABB AX460 / AX466 | | | |
| TOLERANCES | FOR BAT pH SENSORS to AX460/AX466 | | | |
| .0 ± .015" | | | | |
| .00 ± .010" | | | | |
| .000 ± .005" | | | | |
| FRACTIONAL ALL ± .015" | 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740 | | | |
| ANGLES ± 1/4° | DRAWN BY | W. COWAN | ECO | DRAWING NO |
| UNLESS OTHERWISE SPECIFIED | APVD BY | J. LANG | 1727 | 2P0276 |
| | DATE | 07/15/2013 | SCALE | 1:1 |
| | | | SIZE | A |
| | | | SHEET | 3 OF 4 |

BARBEN ANALYZER TECHNOLOGY (BAT) pH/ORP SENSOR - WIRED TO ABB AX460 / AX466
BAT SENSOR CONFIGURATION: "C" TERMINATION, NO SOLUTION GROUND



"IMPORTANT WARNING"

- 1** THE WIRING SHOWS A SENSOR WITHOUT A "SOL GRND" WHICH IS AVAILABLE IN MODELS WITH (FT, ST & DT) e.g. (B-V-546-X-DT-X-X-X-X-X)
- FOR SENSORS WITHOUT SOLUTION GROUND (FT, ST & DT) YOU MUST LEAVE OFF / TURN OFF THE ADDITIONAL SENSOR DIAGNOSTICS. CONFIGURE / MODIFY / DIAGNOSTICS [OFF].
- 2** FOR SENSORS W/O TC, DISREGARD TC WIRES. PROGRAM ANALYZER FOR MANUAL TEMPERATURE COMPENSATION.
- NOTE:
 IF THE SENSOR IS FITTED WITH 2-WIRE TC, (e.g. 3.01KΩ BALCO), JUMPER TERMINALS B9 & B10 (AND B1 & B2 IF DUAL INPUT ANALYZER).
- 3** FOR ORP SENSORS COAX CORE WILL BE LABELED "ORP IN" AND WIRING IS THE SAME.

ANALYZER CONFIGURATION AND SETTINGS

• WIRING

| Description | Sensor A Terminal | Sensor B Terminal |
|-----------------------------------|-------------------|-------------------|
| TC - Green | B9 | B1 |
| TC - Black | B10 | B2 |
| TC - Red | B11 | B3 |
| "REF" - White | B14 | B6 |
| 3 "pH IN" - Coax Core Wire | B16 | B8 |

- Select PT100, PT1000 or 3.01kΩ Balco RTD
- Select automatic temperature compensation mode.

| | | | | |
|-----|----------|-------------|-----|------|
| - | 07/15/13 | INITIAL | WC | JL |
| REV | DATE | DESCRIPTION | DWN | APVD |

REVISIONS

| | | | | |
|---|--|------------|-------|------------|
| DIMENSIONS IN INCHES | BAT pH/ORP SENSOR "C" TERMINATION NO SOLUTION GROUND TO ABB AX460 / AX466 | | | |
| TOLERANCES | FOR BAT pH SENSORS to AX460/AX466 | | | |
| .0 ± .015" .00 ± .010" .000 ± .005" | | | | |
| FRACTIONAL ALL ± .015" | Analyzer Technology, LLC O'BRIEN 5200 Convair Drive Carson City, NV 89706 PH(775)883-2500 FAX (775)297-4740 | | | |
| ANGLES ± 1/4° | DRAWN BY | W. COWAN | ECO | DRAWING NO |
| UNLESS OTHERWISE SPECIFIED | APVD BY | J. LANG | 1727 | 2P0276 |
| | DATE | 07/15/2013 | SCALE | 1:1 |
| | | | SIZE | A |
| | | | SHEET | 4 OF 4 |