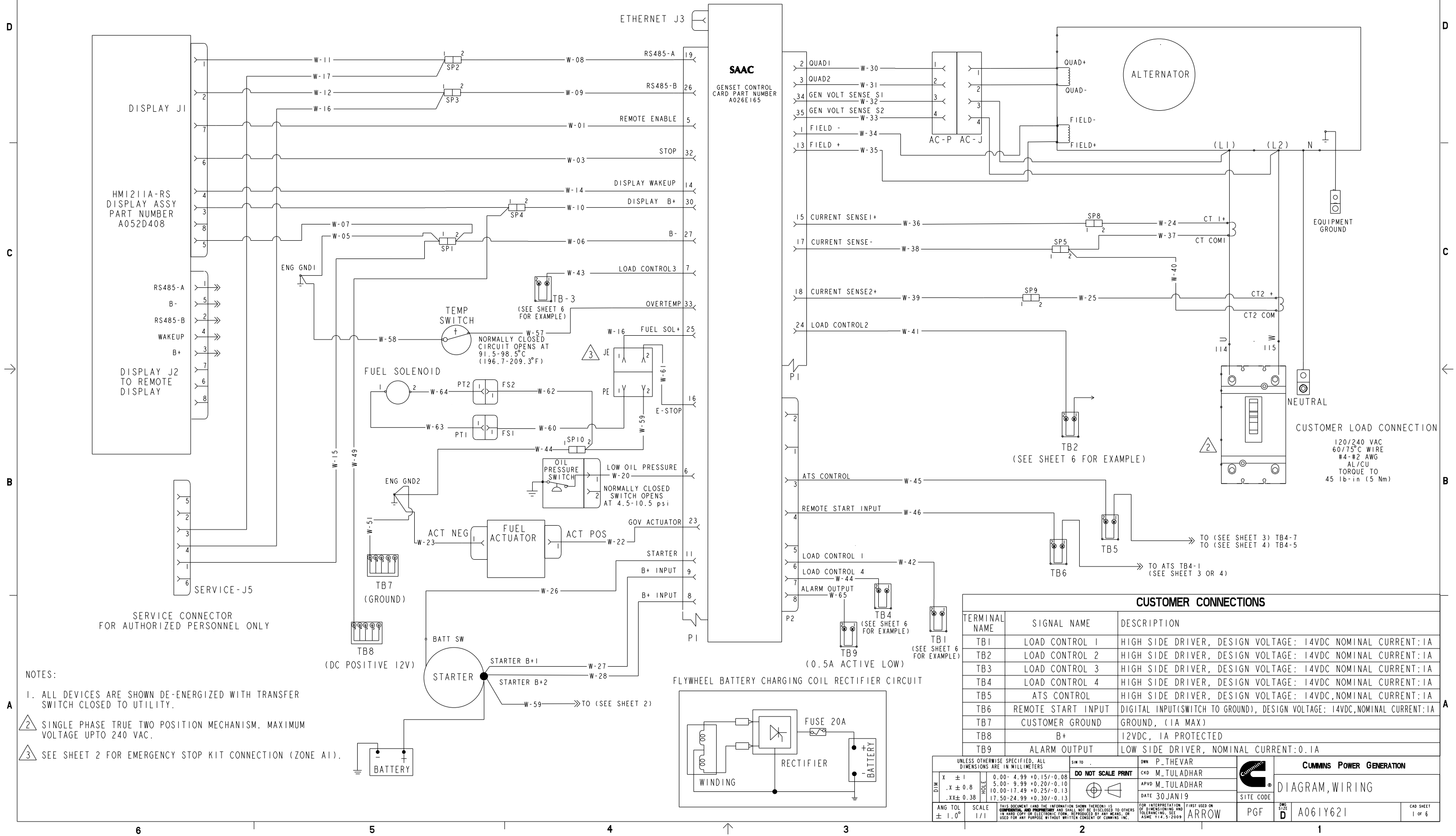
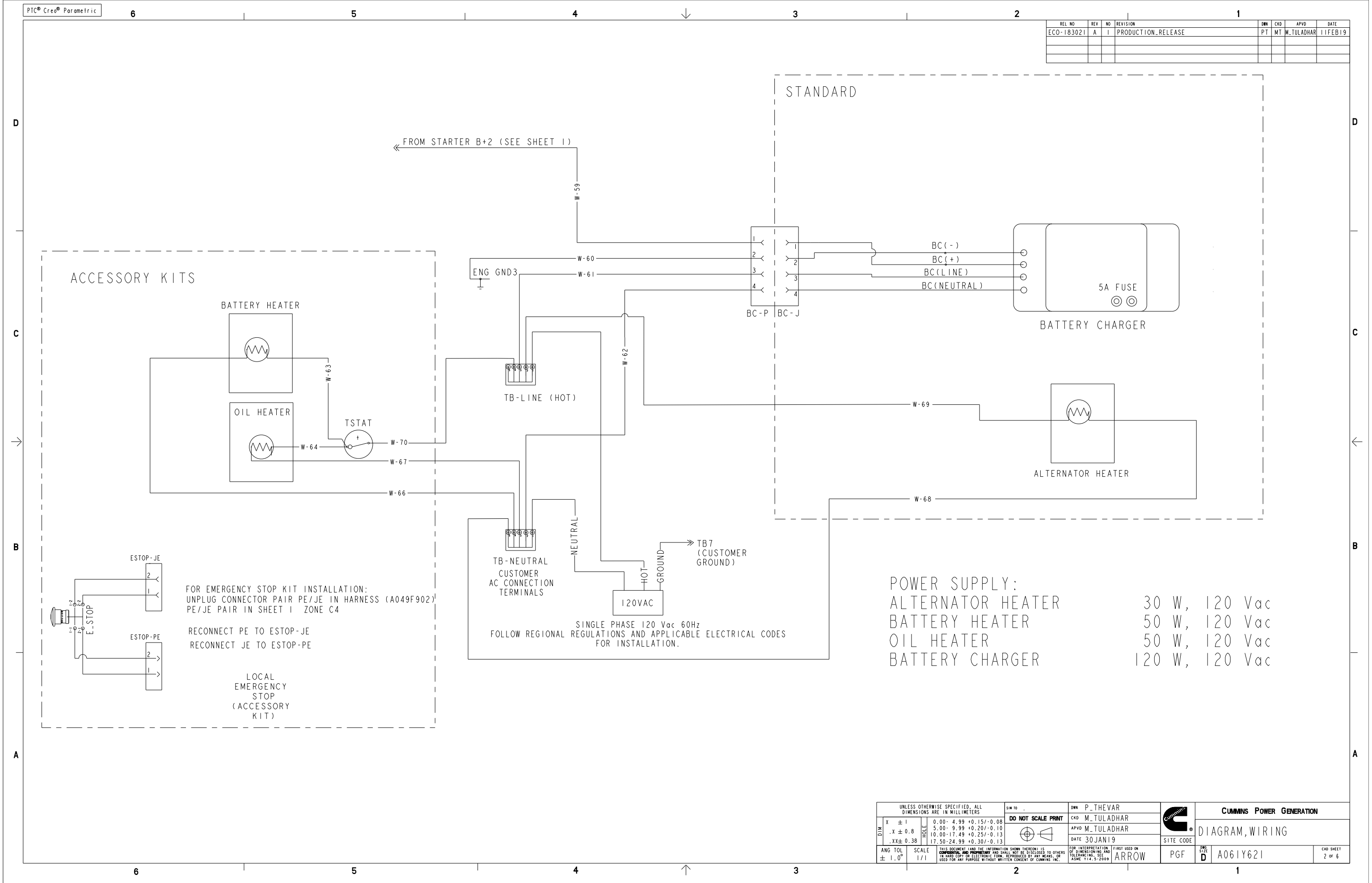


| REL NO     | REV | NO | REVISION           | DWN | CKD | APVD       | DATE    |
|------------|-----|----|--------------------|-----|-----|------------|---------|
| ECO-183021 | A   | 1  | PRODUCTION_RELEASE | PT  | MT  | M.TULADHAR | 11FEB19 |
|            |     |    |                    |     |     |            |         |
|            |     |    |                    |     |     |            |         |
|            |     |    |                    |     |     |            |         |





|                                                               |            |                                                                                                                                                                                                                                                  |      |                    |                                                                         |                                                                                       |                          |                  |
|---------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------|------------------|
| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS |            |                                                                                                                                                                                                                                                  |      | SIM TO             | DWN P_THEVAR                                                            |  | CUMMINS POWER GENERATION |                  |
| DIM                                                           | X ± 1      | 0.00- 4.99 +0.15/-0.08                                                                                                                                                                                                                           | HOLE | DO NOT SCALE PRINT | CKD M_TULADHAR                                                          |                                                                                       | DIAGRAM, WIRING          |                  |
|                                                               | .X ± 0.8   | 5.00- 9.99 +0.20/-0.10                                                                                                                                                                                                                           |      |                    | APVD M_TULADHAR                                                         |                                                                                       |                          |                  |
|                                                               | .XX ± 0.38 | 10.00-17.49 +0.25/-0.13                                                                                                                                                                                                                          |      |                    | DATE 30 JAN 19                                                          |                                                                                       |                          |                  |
|                                                               |            | 17.50-24.99 +0.30/-0.13                                                                                                                                                                                                                          |      |                    |                                                                         |                                                                                       |                          |                  |
| ANG TOL                                                       | SCALE 1/1  | THIS DOCUMENT (AND THE INFORMATION SHOWN THEREON) IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE DISCLOSED TO OTHERS IN HARD COPY OR ELECTRONIC FORM, REPRODUCED BY ANY MEANS, OR USED FOR ANY PURPOSE WITHOUT WRITTEN CONSENT OF CUMMINS INC. |      |                    | FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ASME Y14.5-2009 | FIRST USED ON                                                                         |                          |                  |
| ± 1.0°                                                        |            |                                                                                                                                                                                                                                                  |      |                    | ARROW                                                                   |                                                                                       | PGF                      | CAD SHEET 2 of 6 |

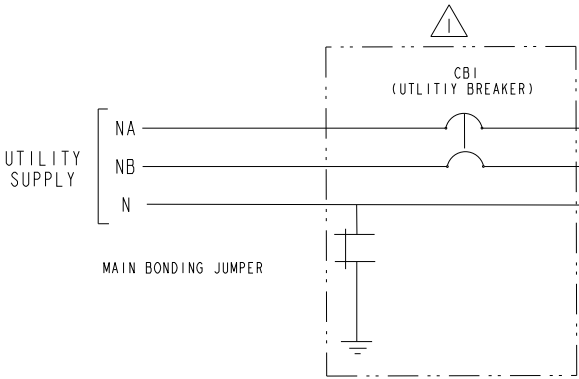
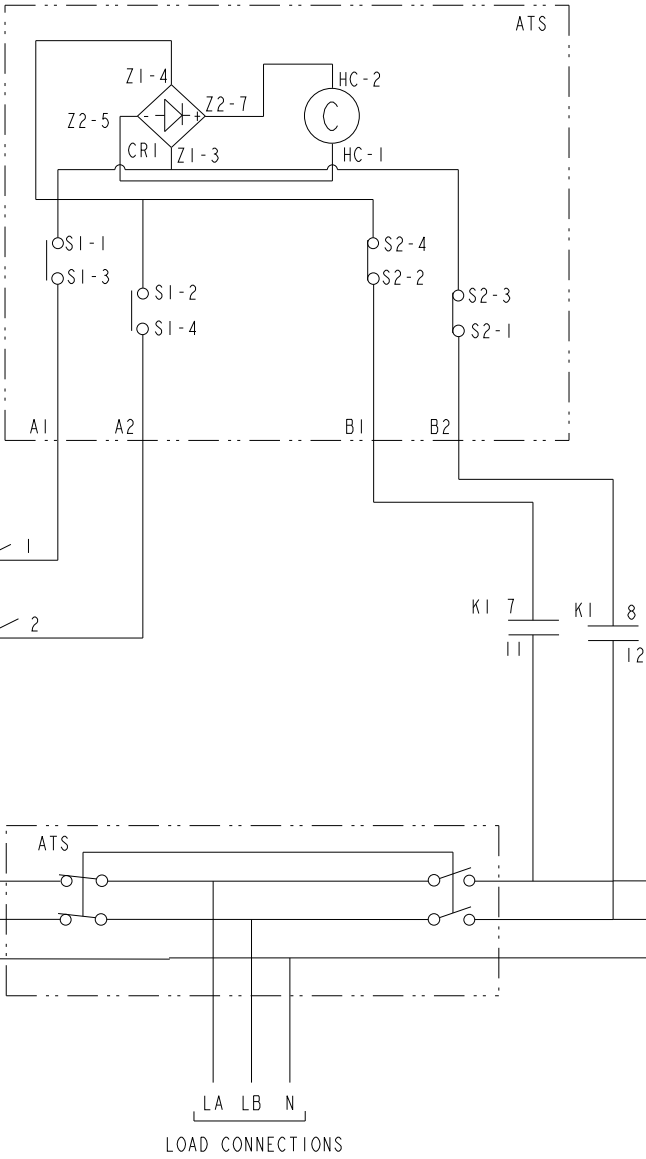
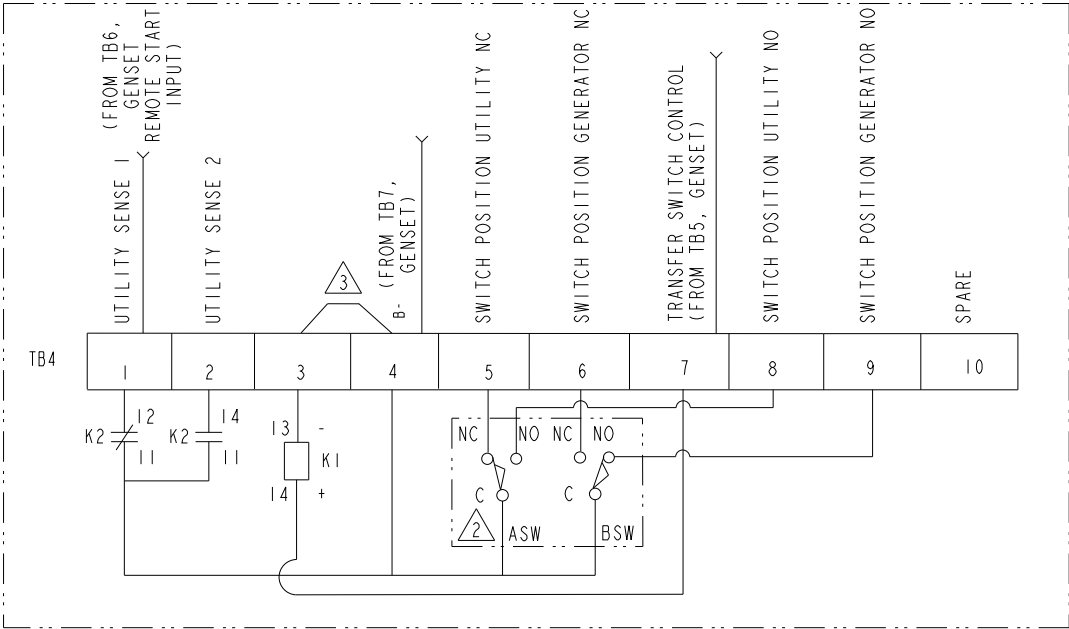
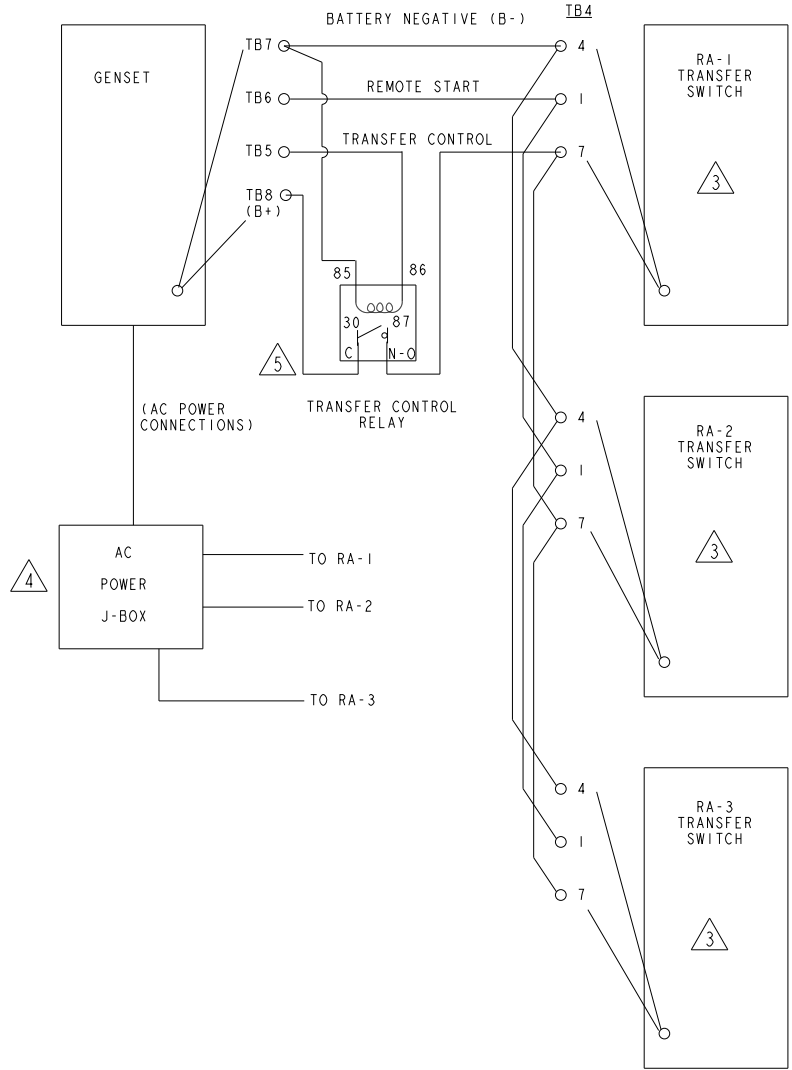
ATS WIRING WITH RA100, RA200, RA100SE, RA200SE, RA400, RA400SE

| REL NO     | REV | NO | REVISION           | DWN | CKD | APVD       | DATE      |
|------------|-----|----|--------------------|-----|-----|------------|-----------|
| ECO-183021 | A   | 1  | PRODUCTION RELEASE | PT  | MT  | M_TULADHAR | 11 FEB 19 |
|            |     |    |                    |     |     |            |           |
|            |     |    |                    |     |     |            |           |

- TB4 TERMINAL BLOCK  
K1 RELAY  
ASW UTILITY POSITION AUXILIARY SWITCH  
BSW GENERATOR POSITION AUXILIARY SWITCH  
ATS AUTOMATIC TRANSFER SWITCH  
K2 UTILITY SENSE RELAY  
S1 OPEN WHEN ATS IS CONNECTED TO UTILITY  
S2 OPEN WHEN ATS IS CONNECTED TO GENERATOR  
CRI BRIDGE RECTIFIER  
C ATS OPERATOR COIL  
CBI UTILITY CIRCUIT BREAKER

- NOTES:
- 1 SERVICE ENTRANCE MODELS ONLY.
- 2 LOCATED ON THE SIDE OF THE ATS MECHANISM.
- 3 INSTALL JUMPER A034NI06 SUPPLIED IN SHIPPING PARTS BAG WITH GENSET, BETWEEN TB4-3 AND TB4-4.
- 4 USE APPROPRIATELY SIZED TERMINAL BOX FOR POWER CONDUCTORS. LUGS ARE RATED FOR 1 CONDUCTOR ONLY.
- 5 INSTALL INTERPOSING RELAY 0307-2817-01 OR EQUIVALENT FOR MORE THAN 1 SWITCH

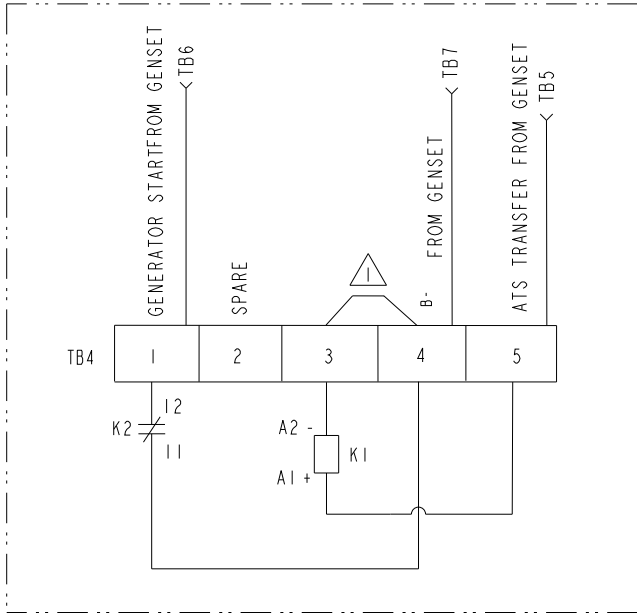
ATS WIRING WITH MULTIPLE RA100, RA200, RA100SE, RA200SE, RA400 & RA400SE TRANSFER SWITCHES.



|                                                               |            |                           |                                                                                                                                                                                                                                                  |                                                                                       |          |                                                                                       |                          |                 |  |
|---------------------------------------------------------------|------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|--------------------------|-----------------|--|
| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS |            |                           | SIN TO                                                                                                                                                                                                                                           | DWN                                                                                   | P.THEVAR |  | CUMMINS POWER GENERATION |                 |  |
| DIM                                                           | X ± 1      | 0.00 - 4.99 +0.15/-0.08   | DO NOT SCALE PRINT                                                                                                                                                                                                                               |  | CKD      |                                                                                       | M.TULADHAR               | DIAGRAM, WIRING |  |
|                                                               | .X ± 0.8   | 5.00 - 9.99 +0.20/-0.10   |                                                                                                                                                                                                                                                  |                                                                                       | APVD     |                                                                                       | M.TULADHAR               |                 |  |
|                                                               | .XX ± 0.38 | 10.00 - 17.49 +0.25/-0.13 |                                                                                                                                                                                                                                                  |                                                                                       | DATE     |                                                                                       | 30 JAN 19                |                 |  |
| ANG TOL                                                       |            | SCALE                     | THIS DOCUMENT (AND THE INFORMATION SHOWN THEREON) IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE DISCLOSED TO OTHERS IN HARD COPY OR ELECTRONIC FORM, REPRODUCED BY ANY MEANS, OR USED FOR ANY PURPOSE WITHOUT WRITTEN CONSENT OF CUMMINS INC. |                                                                                       |          | SITE CODE                                                                             | FIRST USED ON            |                 |  |
| ± 1.0°                                                        |            | 1/1                       | FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ASME Y14.5-2009                                                                                                                                                                          |                                                                                       |          | PGF                                                                                   | ARROW                    |                 |  |
|                                                               |            |                           |                                                                                                                                                                                                                                                  |                                                                                       |          | DWG. SIZE                                                                             | A061Y621                 |                 |  |
|                                                               |            |                           |                                                                                                                                                                                                                                                  |                                                                                       |          |                                                                                       | CAD SHEET                |                 |  |
|                                                               |            |                           |                                                                                                                                                                                                                                                  |                                                                                       |          |                                                                                       | 3 OF 6                   |                 |  |

| REL NO     | REV | NO | REVISION           | DWN | CKD | APVD       | DATE      |
|------------|-----|----|--------------------|-----|-----|------------|-----------|
| ECO-183021 | A   | 1  | PRODUCTION RELEASE | PT  | MT  | M_TULADHAR | 11 FEB 19 |
|            |     |    |                    |     |     |            |           |
|            |     |    |                    |     |     |            |           |

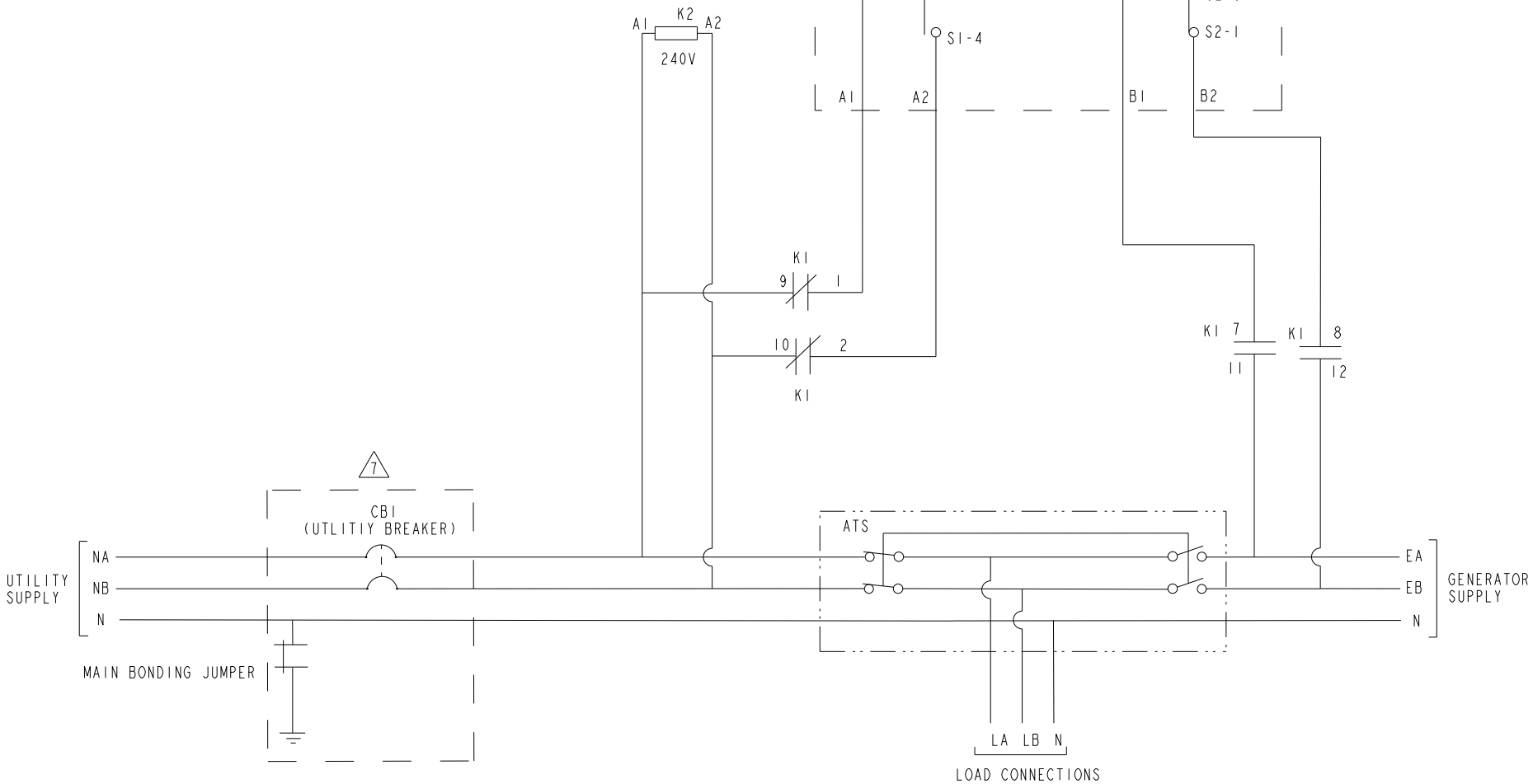
ATS WIRING WITH RA112L1



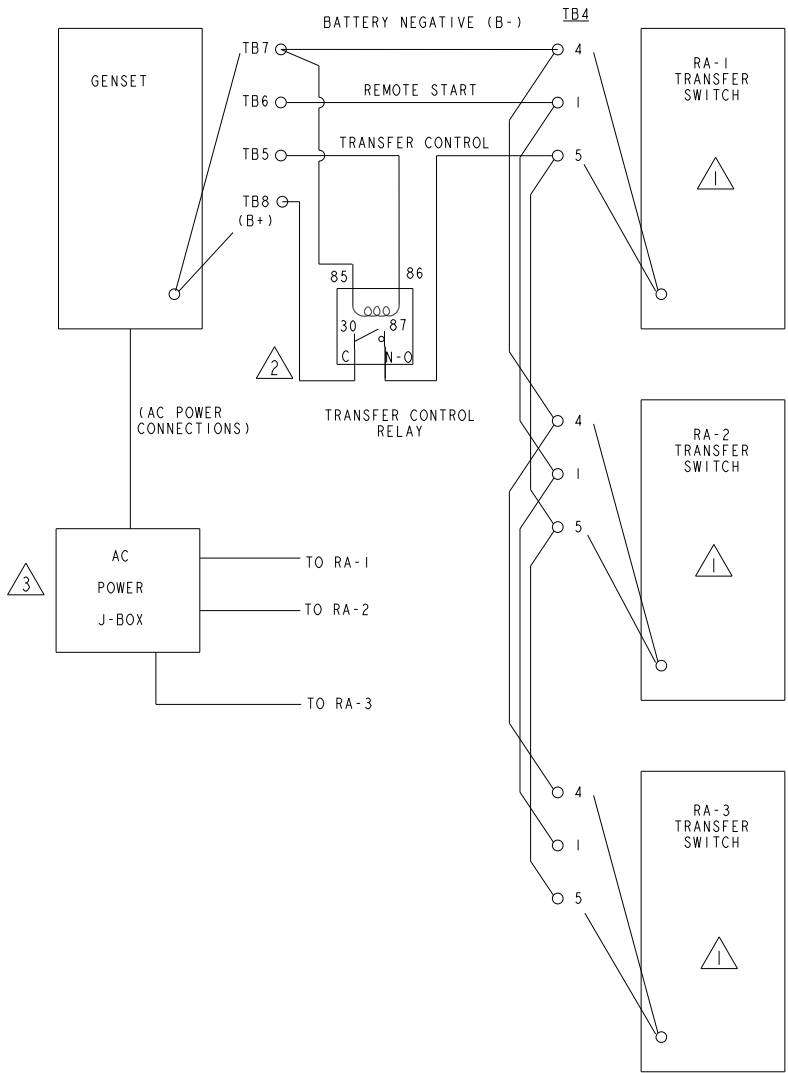
TB4 TERMINAL BLOCK  
K1 RELAY  
ATS AUTOMATIC TRANSFER SWITCH  
K2 UTILITY SENSE RELAY  
S1 OPEN WHEN ATS IS CONNECTED TO UTILITY  
S2 OPEN WHEN ATS IS CONNECTED TO GENERATOR  
CB1 UTILITY CIRCUIT BREAKER

NOTE:

- 1 INSTALL JUMPER A034NI06 SUPPLIED IN SHIPPING PARTS BAG WITH GENSET, BETWEEN TB4-3 AND TB4-4.
- 2 INSTALL INTERPOSING RELAY 0307-2817-01 OR EQUIVALENT FOR MORE THAN 1 SWITCH.
- 3 USE APPROPRIATELY SIZED TERMINAL BOX FOR POWER CONDUCTORS. LUGS ARE RATED FOR 1 CONDUCTOR ONLY.



ATS WIRING WITH MULTIPLE RA112L1, TRANSFER SWITCHES.



| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS                                                                                                                                                                                    |  |  |  | SIM TO | DWN      | CKD        | APVD       | DATE      | CUMMINS POWER GENERATION |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------|----------|------------|------------|-----------|--------------------------|--|
| DO NOT SCALE PRINT                                                                                                                                                                                                                               |  |  |  |        | P_THEVAR | M_TULADHAR | M_TULADHAR | 30 JAN 19 | DIAGRAM, WIRING          |  |
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| FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ASME Y14.5-2009                                                                                                                                                                          |  |  |  |        |          |            |            |           | PGF                      |  |
| ARROW                                                                                                                                                                                                                                            |  |  |  |        |          |            |            |           | A061Y621                 |  |

ATS WIRING WITH RSS 100-6634, RSS 200-6635

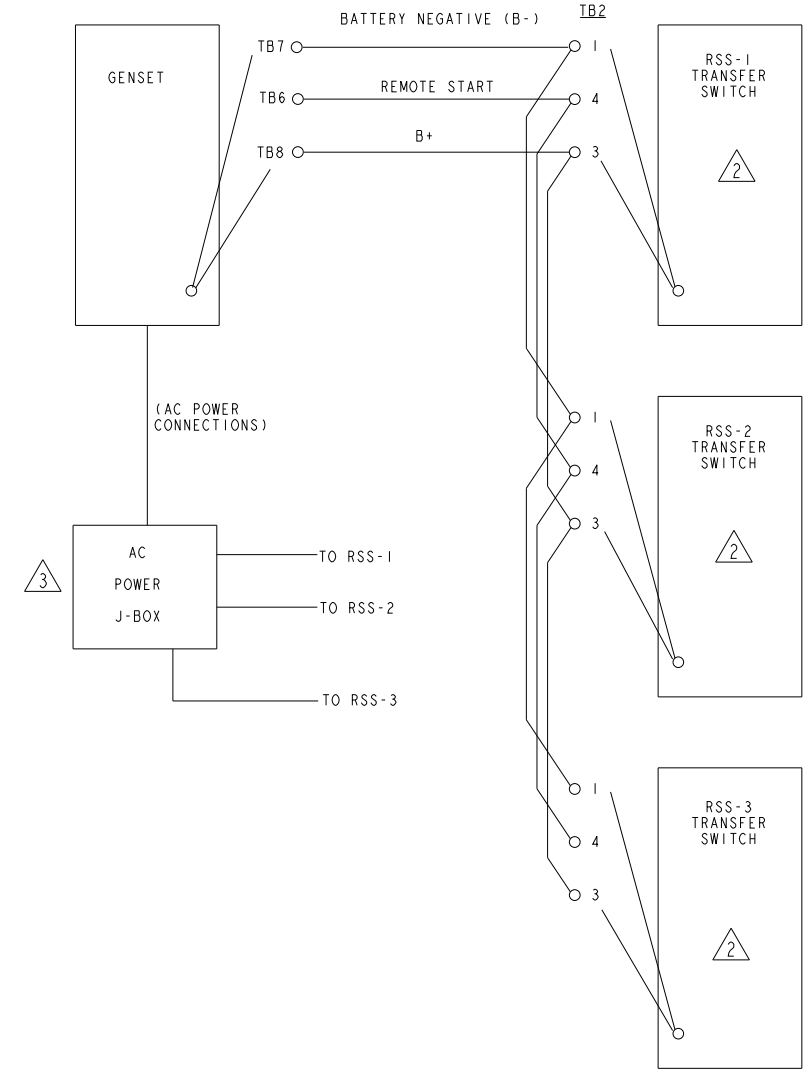
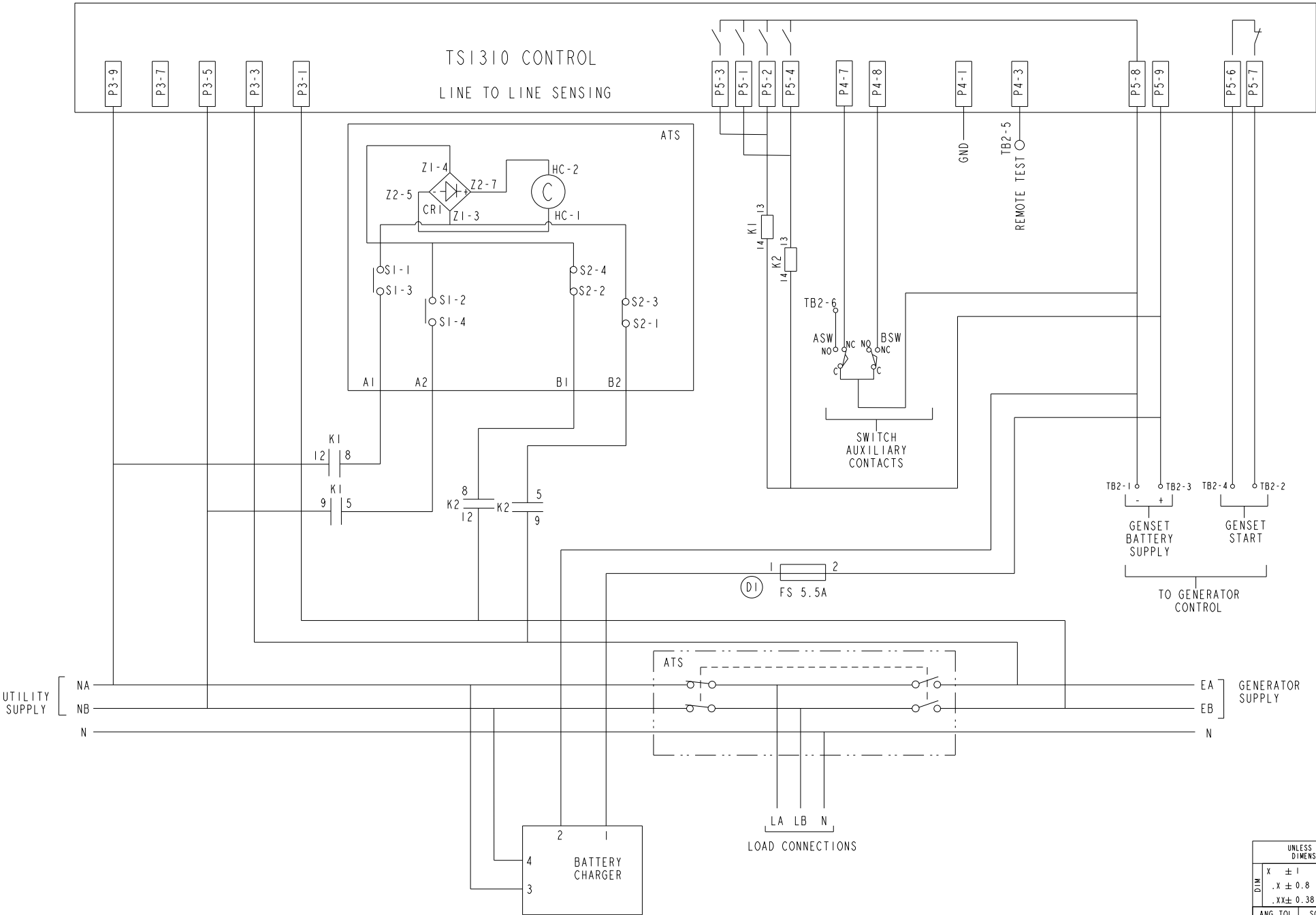
| REL NO     | REV | NO | REVISION           | DWN | CKD | APVD       | DATE      |
|------------|-----|----|--------------------|-----|-----|------------|-----------|
| ECO-183021 | A   | 1  | PRODUCTION RELEASE | PT  | MT  | M_TULADHAR | 11 FEB 19 |
|            |     |    |                    |     |     |            |           |
|            |     |    |                    |     |     |            |           |

NOTES:

- ALL DEVICES ARE SHOWN DE-ENERGIZED WITH TRANSFER SWITCH CLOSED TO NORMAL.
- ADD 16-18AWG JUMPER WIRE BETWEEN TB2-1 AND TB2-2.
- USE APPROPRIATELY SIZED TERMINAL BOX FOR POWER CONDUCTORS. LUGS ARE RATED FOR 1 CONDUCTOR ONLY.

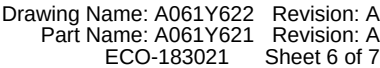
K1 CLOSE NORMAL RELAY  
K2 CLOSE EMERGENCY RELAY  
ASW NORMAL POSITION AUXILIARY SWITCH  
BSW EMERGENCY POSITION AUXILIARY SWITCH  
ATS AUTOMATIC TRANSFER SWITCH  
S1 OPENS WHEN ATS IS CONNECTED TO NORMAL  
S2 OPENS WHEN ATS IS CONNECTED TO EMERGENCY  
CRI BRIDGE RECTIFIER  
C ATS OPERATOR COIL

ATS WIRING WITH MULTIPLE RSS 100-6634, RSS 200-6635, TRANSFER SWITCHES.



| UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS                                                                                                                                                                                    |  |  |  | SIM TO | DWN      | CKD        | APVD       | DATE      | CUMMINS POWER GENERATION |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------|----------|------------|------------|-----------|--------------------------|--|
| DO NOT SCALE PRINT                                                                                                                                                                                                                               |  |  |  |        | P_THEVAR | M_TULADHAR | M_TULADHAR | 30 JAN 19 | DIAGRAM, WIRING          |  |
| FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ASME Y14.5-2009                                                                                                                                                                          |  |  |  |        |          |            |            |           | A061Y621                 |  |
| THIS DOCUMENT (AND THE INFORMATION SHOWN THEREON) IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE DISCLOSED TO OTHERS IN HARD COPY OR ELECTRONIC FORM, REPRODUCED BY ANY MEANS, OR USED FOR ANY PURPOSE WITHOUT WRITTEN CONSENT OF CUMMINS INC. |  |  |  |        |          |            |            |           | 5 of 6                   |  |

## GENERIC 2-WIRE START ATS





**Part A061Y621 A**

| Description    | Legacy Name | External Regulations          | Application Status | Release Phase Code | Security Classification | Alternates |
|----------------|-------------|-------------------------------|--------------------|--------------------|-------------------------|------------|
| DIAGRAM,WIRING | A061Y621    | No External Regulations Apply | Production Only    | Production         | Confidential            |            |

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**Part Specifications :A061Y621 A**

| Name     | Description            | Legacy Name |
|----------|------------------------|-------------|
| A030B356 | SPECIFICATION,MATERIAL | CES10903    |
| A061Y622 | DRAWING,ENGINEERING    | A061Y622    |