

SCALABLE DISTRIBUTION BAY PRODUCT GUIDE

REVISION CHANGE HISTORY

| CHANGE CONTENTS                                                                                                                                                                                                                                                                                                                                    | DATE       | REVISION |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| INITIAL RELEASE                                                                                                                                                                                                                                                                                                                                    | 12/22/2011 | 1        |
| 1. ADD P/N TPL175 IN TABLE 3D<br>2. REMOVE P/N 291135 IN TABLE 5A<br>3. ADD P/N 296742, 298425 IN TABLE 5G<br>4. IN TABLE 7: REMOVE DOC NO. 350021.013, ADD DOC NO. 2119266 AND 2114073                                                                                                                                                            | 07/10/2011 | 2        |
| 1. CORRECT LGJGS01, LGJGS02, LGJGS03, LGJGS04 AND LTPLHS DIMENSIONS IN SECTION 3.0<br>2. IN TABLE 3F, ADD P/N 302195, NOTE "NO ALARM ON FUSE CARTRIDGE"; AND ADD NOTE "ALARM ON FUSE CARTRIDGE REMOVAL" ON P/N TPSB100, CHANGE TPSB100 RATING TO 1-125A.<br>3. CORRECT P/N 289367 DESCRIPTION IN TABLE 4                                           | 08/21/2012 | 3        |
| 1. ADD P/N 256562, 289133 IN TABLE 5G<br>2. ADD DOCUMENT NO. 350025.013 IN TABLE 7<br>3. CHANGE 242100.303 TO 242100.303.VC IN TABLE 5A; DELETE 242100.601, 242100.301 IN TABLE 5B<br>4. ADD E-TRIP GJ GS BREAKER IN TABLE 3C<br>5. CHANGE D1, D2 DESCRIPTION IN TABLE 1A, ADD TABLE 1B AND SP2 BASIC INDUSTRIAL CONTROLLER PICTURE IN SECTION 1.0 | 07/02/2013 | 4        |
| 1. ADD GROUP "N" IN DESCRIPTION IN COVER PAGE AND TABLE 3A<br>2. ADD "LTPLH8" IN TABLE 3D<br>3. UPDATE TABLE 5A, 5B WITH CABLE GAUGE; ADD SECTION 5.0-CONTINUED<br>4. ADD PART NUMBERS "SW50" "335397", REMOVE P/N "298425" IN TABLE 5G<br>5. REMOVE P/N 202073 FROM TABLE 5C<br>6. ADD DOCUMENT 370035.013 IN TABLE 7                             |            | 5        |
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DESCRIPTION OF CHANGE PER ECO NO.  
NEW DRAWING RELEASE

ENGINEER  
Franky Huang

ENG.  
10-13-14

DRAFTER

DRAWN

APPROVED

IFS

CAD

AUTOCAD

ASSEMBLY DRAWING  
SCALABLE DIST. BAY PRODUCT GUIDE  
REVISION CHANGE HISTORY

DRAWING ISSUE DATE

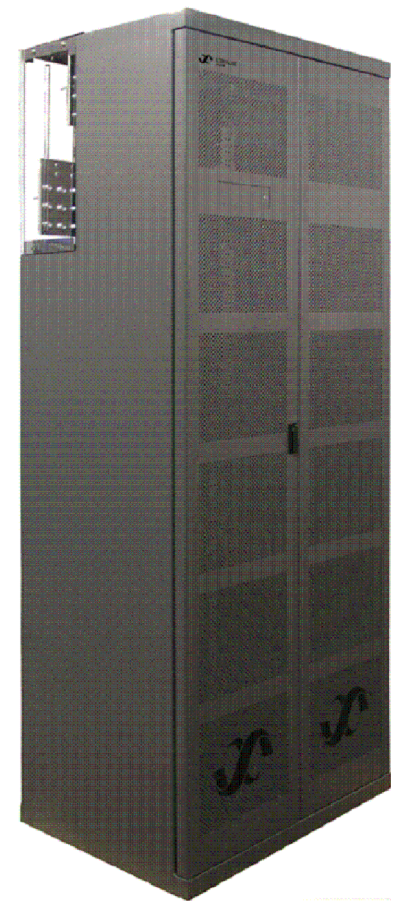
DRAWING  
NUMBER

2113503

REV

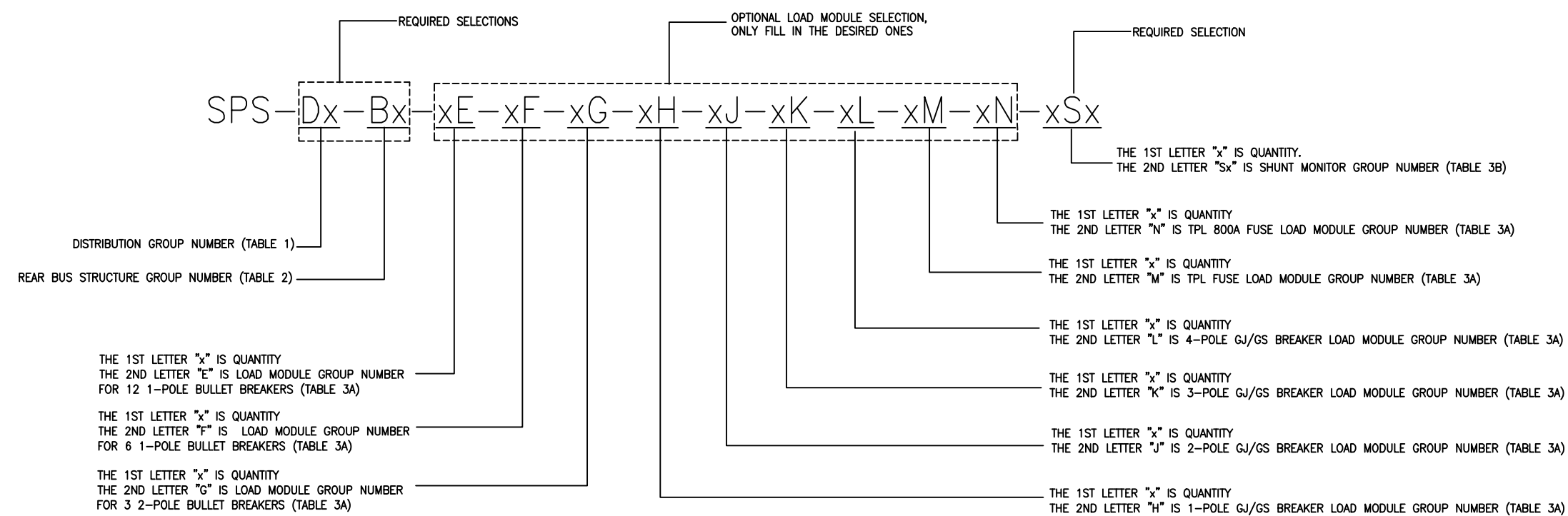
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# SCALABLE DISTRIBUTION BAY PRODUCT GUIDE



| SHEET CONTENTS                  | SECTION | NOTE |
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## PRODUCT DESCRIPTION:



NOTE:

- IF OPTIONAL LOAD MODULE IS NOT CONFIGURED IN THE SYSTEM, IT WON'T BE SHOWN IN THE DESCRIPTION

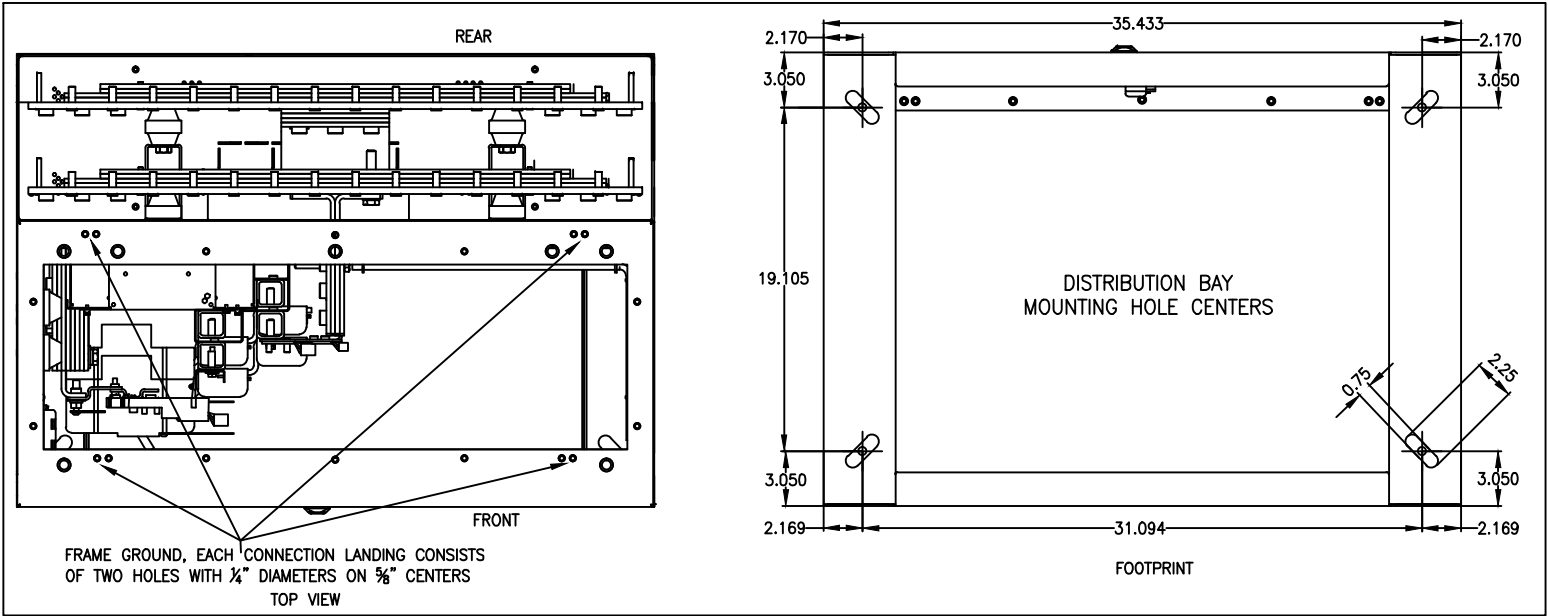
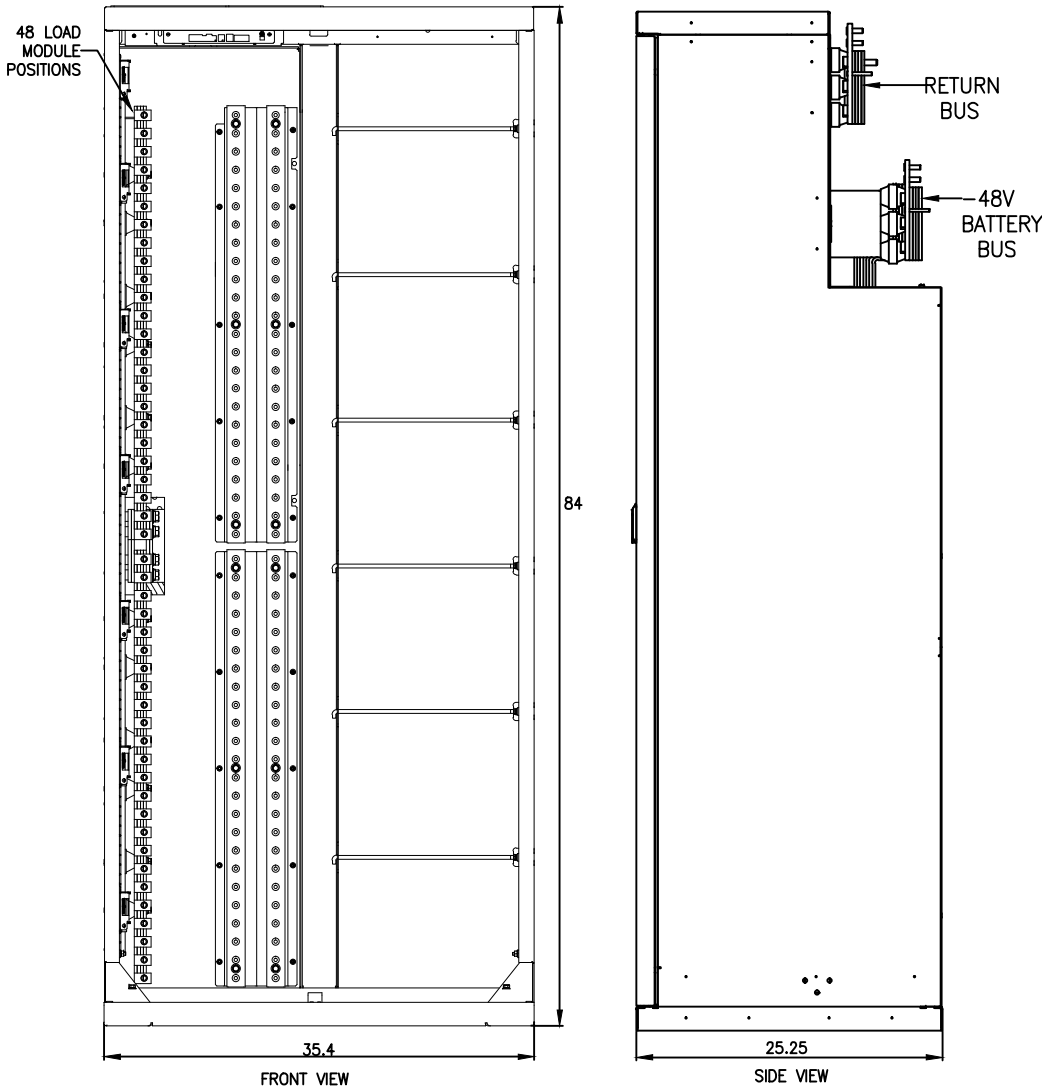
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
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| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE                                                                                                                                                             |                  |                                                                                       |
| ENGINEER<br>Franky Huang                                                                                                                                                                                             | ENG.<br>10-13-14 |  |
| DRAFTER<br>FMH                                                                                                                                                                                                       | DRAWN            |                                                                                       |
| APPROVED                                                                                                                                                                                                             | IFS              | CAD AUTOCAD                                                                           |
|                                                                                                                                                                                                                      |                  | ASSEMBLY DRAWING<br>SCALABLE DIST. BAY PRODUCT GUIDE<br>COVER                         |
|                                                                                                                                                                                                                      |                  | DRAWING ISSUE DATE                                                                    |
|                                                                                                                                                                                                                      |                  | DRAWING NUMBER 2113503                                                                |
|                                                                                                                                                                                                                      |                  | REV 5                                                                                 |

SECTION 1.0 DISTRIBUTION BAY

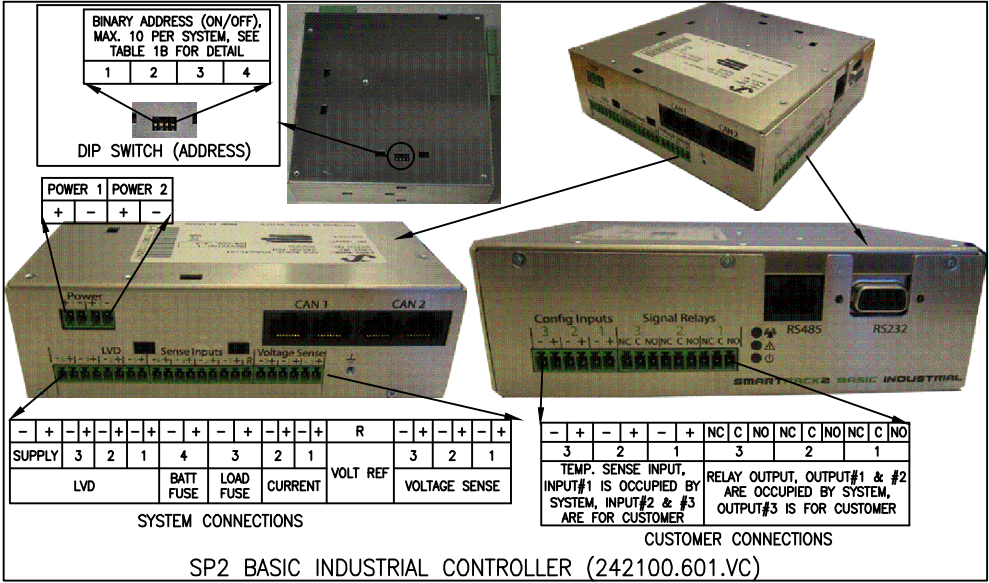
TABLE 1A DISTRIBUTION BAY MUST SELECT ONE

| GROUP NUMBER | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                           | COMPATIBLE CONTROLLER | DISTRIBUTION CAPACITY (A) | LOAD POSITIONS | SHUNT      | WIDTH (IN) | DEPTH (IN) | BAY HEIGHT (IN) | EST. WEIGHT (LBS) | NOTE |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|----------------|------------|------------|------------|-----------------|-------------------|------|
| D1           | SPS 3,000A 48 POSITION DISTRIBUTION COMPATIBLE WITH SMARTPACK2<br>-CONFIGURABLE DISTRIBUTION LOAD POSITIONS INCLUDE:<br>PLUG-IN BREAKERS UP TO 200A; TPS FUSES UP TO 125A<br>GJ OR GS BREAKERS 100 – 800A (WITH SHUNT)<br>TPL FUSES FROM 70 – 600A (WITH SHUNT)<br>-4,000A, 50mV BAY SHUNT IN HOT (-48V) BUS<br>-SMARTPACK2 BASIC INDUSTRIAL CONTROLLER (242100.601.VC), PROVIDES QTY 2 TEMPERATURE SENSE INPUTS, QTY 1 RELAY OUTPUTS | SMARTPACK2            | 3000                      | 48             | 50mV/4000A | 35.4       | 25.25      | 84              | 770               |      |
| D2           | SPS 6,000A 48 POSITION DISTRIBUTION COMPATIBLE WITH SMARTPACK2<br>-CONFIGURABLE DISTRIBUTION LOAD POSITIONS INCLUDE:<br>PLUG-IN BREAKERS UP TO 200A; TPS FUSES UP TO 125A<br>GJ OR GS BREAKERS 100 – 800A (WITH SHUNT)<br>TPL FUSES FROM 70 – 600A (WITH SHUNT)<br>-8,000A, 50mV BAY SHUNT IN HOT (-48V) BUS<br>-SMARTPACK2 BASIC INDUSTRIAL CONTROLLER (242100.601.VC), PROVIDES QTY 2 TEMPERATURE SENSE INPUTS, QTY 1 RELAY OUTPUTS | SMARTPACK2            | 6000                      | 48             | 50mV/8000A | 35.4       | 25.25      | 84              | 1000              |      |
| D3           | SPS 3,000A 48 POSITION DISTRIBUTION COMPATIBLE WITH XC CONTROLLER<br>CONFIGURABLE DISTRIBUTION LOAD POSITIONS INCLUDE:<br>PLUG-IN BREAKERS UP TO 200A; TPS FUSES UP TO 125A<br>GJ OR GS BREAKERS 100 – 800A (WITH SHUNT)<br>TPL FUSES FROM 70 – 600A (WITH SHUNT)<br>4,000A, 50mV BAY SHUNT IN HOT (-48V) BUS                                                                                                                         | XC CONTROLLER         | 3000                      | 48             | 50mV/4000A | 35.4       | 25.25      | 84              | 770               |      |
| D4           | SPS 6,000A 48 POSITION DISTRIBUTION COMPATIBLE WITH XC CONTROLLER<br>CONFIGURABLE DISTRIBUTION LOAD POSITIONS INCLUDE:<br>PLUG-IN BREAKERS UP TO 200A; TPS FUSES UP TO 125A<br>GJ OR GS BREAKERS 100 – 800A (WITH SHUNT)<br>TPL FUSES FROM 70 – 600A (WITH SHUNT)<br>8,000A, 50mV BAY SHUNT IN HOT (-48V) BUS                                                                                                                         | XC CONTROLLER         | 6000                      | 48             | 50mV/8000A | 35.4       | 25.25      | 84              | 1000              |      |

NOTE:  
1. DOOR IS REMOVED FOR CLARITY



| TABLE 1B DIP SWITCH SETTING |                     |     |     |     |
|-----------------------------|---------------------|-----|-----|-----|
| ADDRESS (ID#)               | DIP SWITCH POSITION |     |     |     |
|                             | 1                   | 2   | 3   | 4   |
| 1ST                         | OFF                 | OFF | OFF | OFF |
| 2ND                         | ON                  | OFF | OFF | OFF |
| 3RD                         | OFF                 | ON  | OFF | OFF |
| 4TH                         | ON                  | ON  | OFF | OFF |
| 5TH                         | OFF                 | OFF | ON  | OFF |
| 6TH                         | ON                  | OFF | ON  | OFF |
| 7TH                         | OFF                 | ON  | ON  | OFF |
| 8TH                         | ON                  | ON  | ON  | OFF |
| 9TH                         | OFF                 | OFF | OFF | ON  |
| 10TH                        | ON                  | OFF | OFF | ON  |
| 11TH                        | OFF                 | ON  | OFF | ON  |
| 12TH                        | ON                  | ON  | OFF | ON  |
| 13TH                        | OFF                 | OFF | ON  | ON  |
| 14TH                        | ON                  | OFF | ON  | ON  |

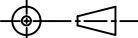


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|                                                          |                  |  |                                                                                       |
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| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |  |  |
| ENGINEER<br>Franky Huang                                 | ENG.<br>06-12-13 |  |                                                                                       |
| DRAFTER<br>FMH                                           | DRAWN            |  | CAD AUTOCAD                                                                           |
| APPROVED                                                 | IFS              |  | ASSEMBLY DRAWING<br>SCALABLE DIST. BAY PRODUCT GUIDE<br>DISTRIBUTION BAY              |
|                                                          |                  |  | DRAWING ISSUE DATE                                                                    |
|                                                          |                  |  | SECTION 1.0                                                                           |
|                                                          |                  |  | DRAWING NUMBER 2113503                                                                |

SECTION 2.0 REAR BUS STRUCTURE SELECTION

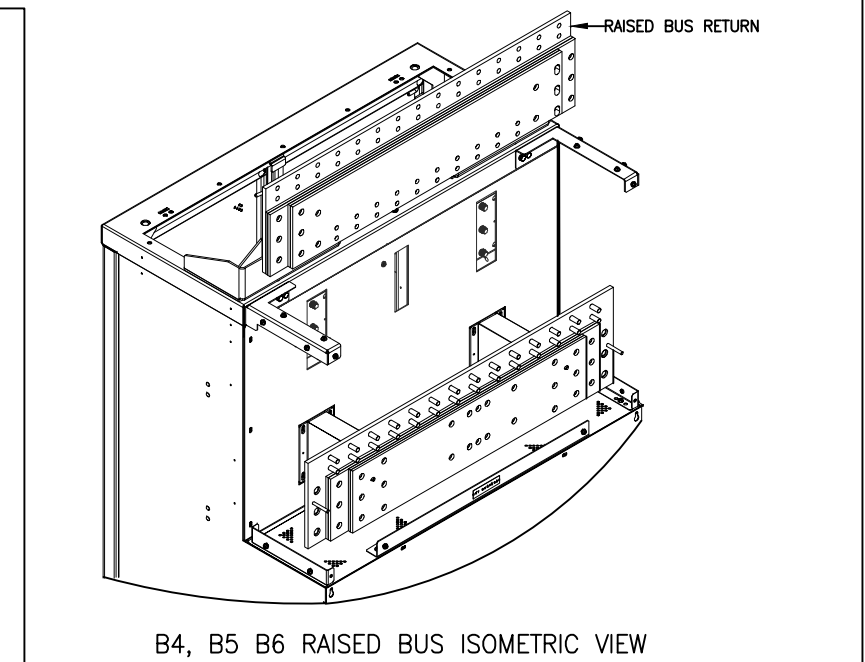
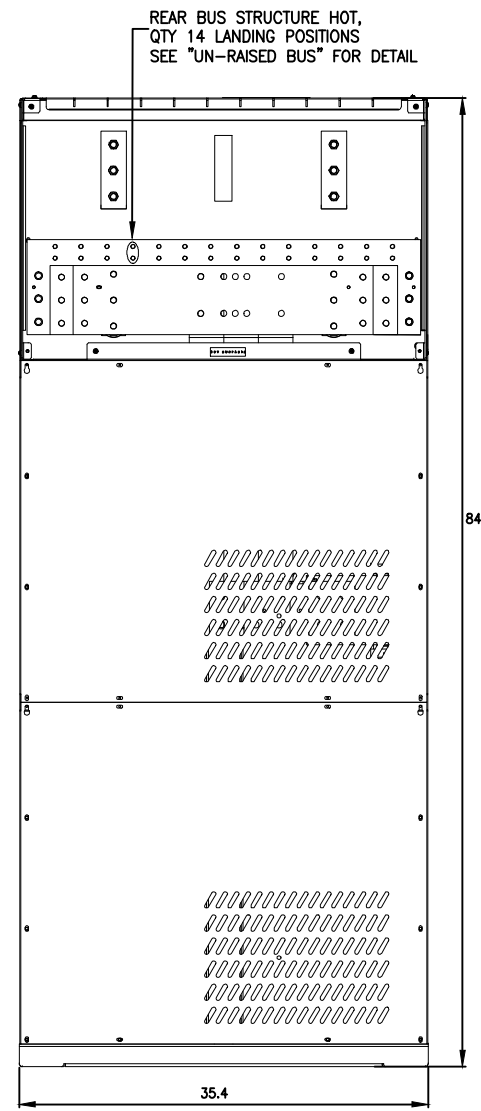
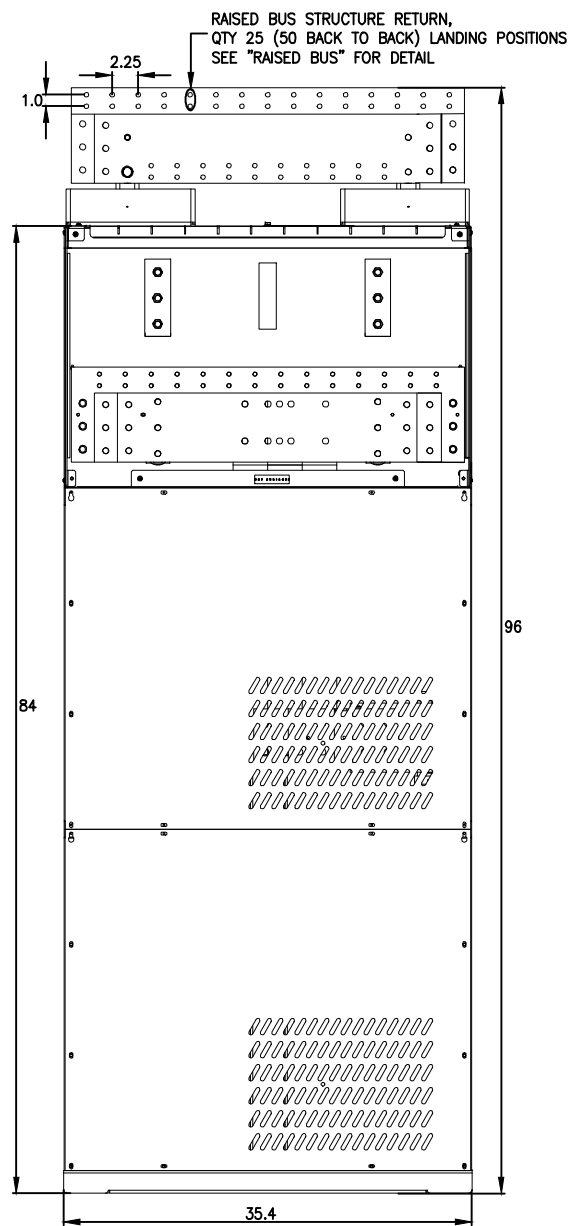
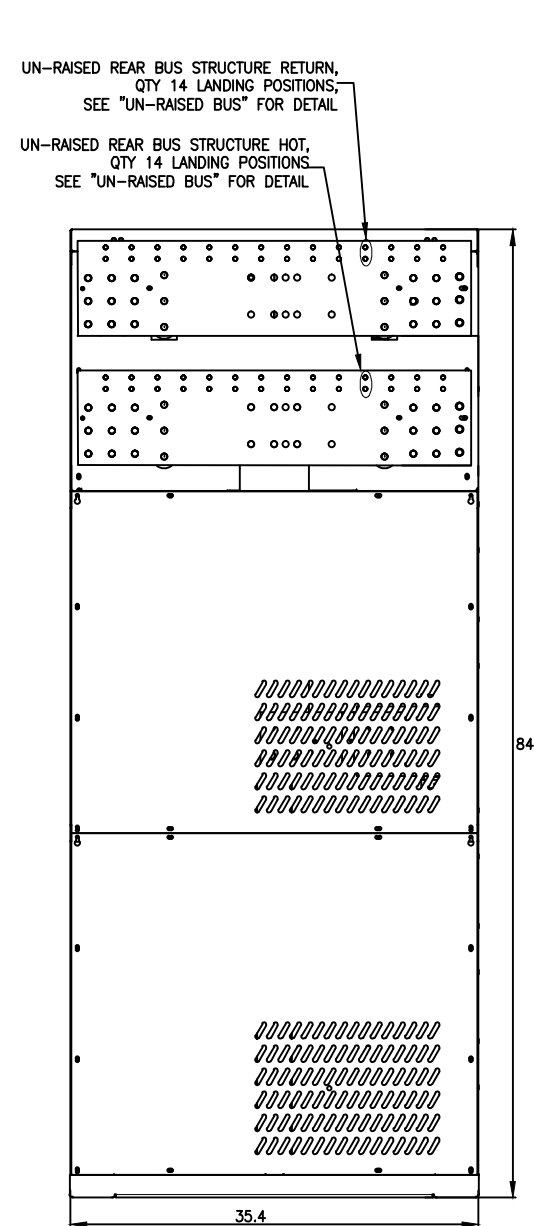
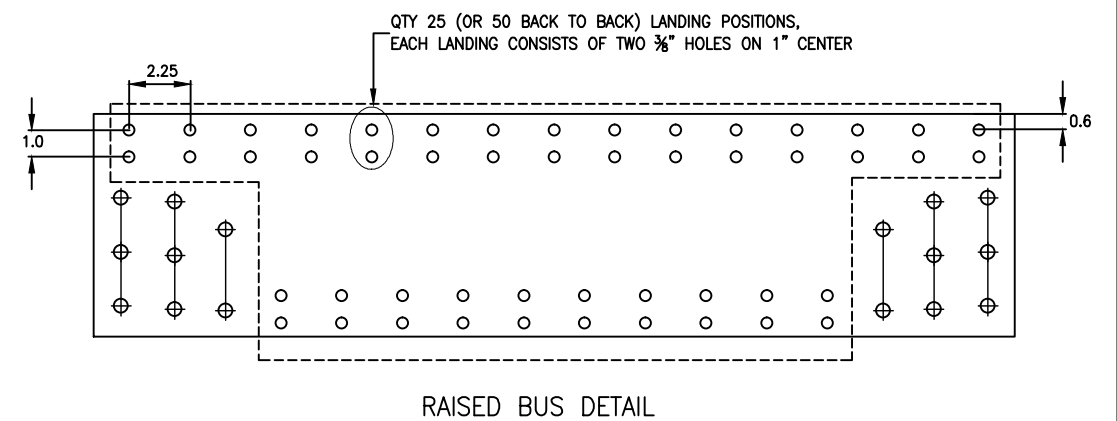
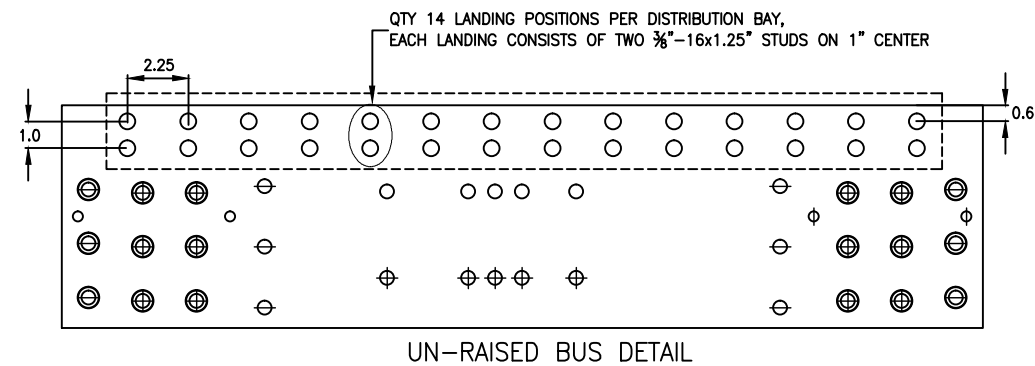
| TABLE 2 REAR BUS STRUCTURE MUST SELECT ONE |                                                                                                                                                                                                                                                                                                                                                                   |                                    |              |                                                      |                                                      |                             |                                 |                   |                                                                                                                                  |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|------------------------------------------------------|------------------------------------------------------|-----------------------------|---------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------|
| GROUP NUMBER                               | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                       | STRUCTURE TYPE                     | CAPACITY (A) | # OF BULK/BATT HOT CONNECTION                        | # OF BULK/BATT RETURN CONNECTION                     | APPLICABLE DISTRIBUTION BAY | ADD-ON HEIGHT ON DIST. BAY (IN) | EST. WEIGHT (LBS) | NOTE                                                                                                                             |
| B1                                         | 3KA REAR BUS STRUCTURE<br>INCLUDES: 3KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                    | REAR                               | 3,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | D1, D3                      | 0                               | 70                |                                                                                                                                  |
| B2                                         | 6KA REAR BUS STRUCTURE<br>INCLUDES: 6KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                    | REAR                               | 6,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | ALL                         | 0                               | 130               |                                                                                                                                  |
| B3                                         | 10KA REAR BUS STRUCTURE<br>INCLUDES: 10KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                  | REAR                               | 10,000       | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | ALL                         | 0                               | 182               |                                                                                                                                  |
| B4                                         | RAISED 3KA BUS STRUCTURE<br>INCLUDES: 3KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS ON LOWER UN-RAISED HOT BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER; QTY 25 OR 50 (BACK TO BACK) CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER                                                                     | RAISED                             | 3,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 25 OR 50 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | D1, D3                      | 12                              | 70                |                                                                                                                                  |
| B5                                         | RAISED 6KA BUS STRUCTURE<br>INCLUDES: 6KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS ON LOWER UN-RAISED HOT BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER; QTY QTY 25 OR 50 (BACK TO BACK) CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER                                                                 | RAISED                             | 6,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 25 OR 50 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | ALL                         | 12                              | 134               |                                                                                                                                  |
| B6                                         | RAISED 10KA BUS STRUCTURE<br>INCLUDES: 10KA HOT AND RETURN BUSES, QTY 14 CONNECTION LANDINGS ON LOWER UN-RAISED HOT BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER; QTY QTY 25 OR 50 (BACK TO BACK) CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER                                                               | RAISED                             | 10,000       | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 25 OR 50 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | ALL                         | 12                              | 190               |                                                                                                                                  |
| B7                                         | NO RETURN BUS 3KA BUS STRUCTURE<br>INCLUDES: 3KA HOT BUS ONLY, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                   | NO RETURN BUS                      | 3,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | N/A                                                  | D1, D3                      | 0                               | 35                | IF A SEPARATE EXTERNAL OVERHEAD RETURN BUS IS AVAILABLE AT CUSTOMER SIDE, USE THIS BUS STRUCTURE                                 |
| B8                                         | NO RETURN BUS 6KA BUS STRUCTURE<br>INCLUDES: 6KA HOT BUS ONLY, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                   | NO RETURN BUS                      | 6,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | N/A                                                  | ALL                         | 0                               | 65                |                                                                                                                                  |
| B9                                         | NO RETURN BUS 10KA BUS STRUCTURE<br>INCLUDES: 10KA HOT BUS ONLY, QTY 14 CONNECTION LANDINGS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER                                                                                                                                                                                                                 | NO RETURN BUS                      | 10,000       | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | N/A                                                  | ALL                         | 0                               | 91                |                                                                                                                                  |
| B10                                        | BOTTOM FEED 3KA BUS STRUCTURE<br>INCLUDING: 3KA UN-RAISED REAR BUS STRUCTURE AND 3KA BOTTOM FEED BUS KIT, QTY 10 OR 20 (BACK TO BACK) CONNECTION LANDINGS ON HOT BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER; QTY 8 CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" STUDS ON 1" CENTER                                               | BOTTOM FEED                        | 3,000        | 10 OR 20 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | 8<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)              | D1, D3                      | 0                               | 190               | BOTTOM FEED RETURN BUS OCCUPIES 8 LOAD POSITIONS IN DISTRIBUTION, SO THE QTY OF LOAD POSITIONS IN THE DISTRIBUTION CHANGES TO 40 |
| B11                                        | BOTTOM FEED 6KA BUS STRUCTURE<br>INCLUDING: 6KA UN-RAISED REAR BUS STRUCTURE AND 3KA BOTTOM FEED BUS KIT, QTY 10 OR 20 (BACK TO BACK) CONNECTION LANDINGS ON HOT BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER; QTY 8 CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" STUDS ON 1" CENTER                                               | BOTTOM FEED                        | 6,000        | 10 OR 20 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | 8<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)              | D1, D3                      | 0                               | 250               |                                                                                                                                  |
| B12                                        | BOTTOM FEED 10KA BUS STRUCTURE<br>INCLUDING: 10KA UN-RAISED REAR BUS STRUCTURE AND 3KA BOTTOM FEED BUS KIT, QTY 10 OR 20 (BACK TO BACK) CONNECTION LANDINGS ON HOT BUS, EACH LANDING INCLUDES TWO 3⁄8" HOLES ON 1" CENTER; QTY 8 CONNECTION LANDINGS ON RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8" STUDS ON 1" CENTER                                             | BOTTOM FEED                        | 10,000       | 10 OR 20 (BACK TO BACK)<br>(3⁄8" HOLES ON 1" CENTER) | 8<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)              | D1, D3                      | 0                               | 302               |                                                                                                                                  |
| B13                                        | INTERNAL RETURN FOR BULLET BREAKER, 3KA BUS STRUCTURE<br>INCLUDING: 3KA UN-RAISED REAR BUS STRUCTURE AND 3KA INTERNAL RETURN BASE BUS KIT, QTY 14 CONNECTION LANDINGS ON EACH UN-RAISED HOT AND RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER<br>***INTERNAL RETURN CONNECTION KIT (P/N: 263141) ORDER SEPARATELY, SEE TABLE 4 FOR DETAIL***   | INTERNAL RETURN FOR BULLET BREAKER | 3,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | ALL                         | 0                               | 80                |                                                                                                                                  |
| B14                                        | INTERNAL RETURN FOR BULLET BREAKER, 6KA BUS STRUCTURE<br>INCLUDING: 6KA UN-RAISED REAR BUS STRUCTURE AND 3KA INTERNAL RETURN BASE BUS KIT, QTY 14 CONNECTION LANDINGS ON EACH UN-RAISED HOT AND RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER<br>***INTERNAL RETURN CONNECTION KIT (P/N: 263141) ORDER SEPARATELY, SEE TABLE 4 FOR DETAIL***   | INTERNAL RETURN FOR BULLET BREAKER | 6,000        | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | ALL                         | 0                               | 140               |                                                                                                                                  |
| B15                                        | INTERNAL RETURN FOR BULLET BREAKER, 10KA BUS STRUCTURE<br>INCLUDING: 10KA UN-RAISED REAR BUS STRUCTURE AND 3KA INTERNAL RETURN BASE BUS KIT, QTY 14 CONNECTION LANDINGS ON EACH UN-RAISED HOT AND RETURN BUS, EACH LANDING INCLUDES TWO 3⁄8"-16 STUDS ON 1" CENTER<br>***INTERNAL RETURN CONNECTION KIT (P/N: 263141) ORDER SEPARATELY, SEE TABLE 4 FOR DETAIL*** | INTERNAL RETURN FOR BULLET BREAKER | 10,000       | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | 14<br>(3⁄8"-16x1.25" STUDS ON 1" CENTER)             | ALL                         | 0                               | 192               |                                                                                                                                  |



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| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                                                                       |
| ENGINEER<br>Franky Huang                                 | ENG.<br>06-12-13 |  |
| DRAFTER<br>FMH                                           | DRAWN            |                                                                                       |
| APPROVED                                                 | IFS              | CAD AUTOCAD                                                                           |
|                                                          |                  | ASSEMBLY DRAWING                                                                      |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                                          |                  | REAR BUS STRUCTURE                                                                    |
|                                                          |                  | DRAWING ISSUE DATE                                                                    |
|                                                          |                  | SECTION 2.0                                                                           |
|                                                          |                  | DRAWING NUMBER 2113503                                                                |

SECTION 2.0-CONTINUED 1 REAR BUS STRUCTURE SELECTION



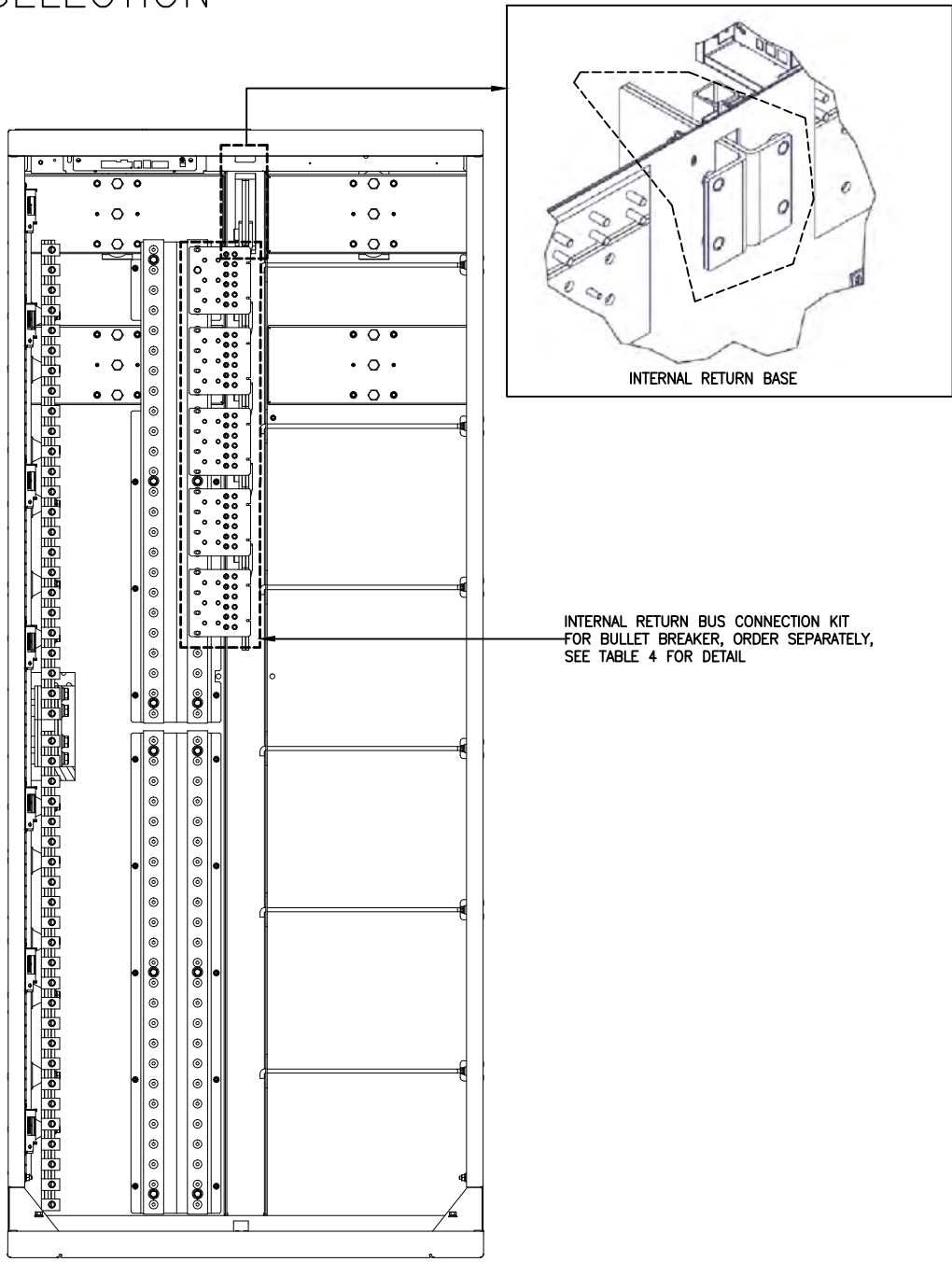
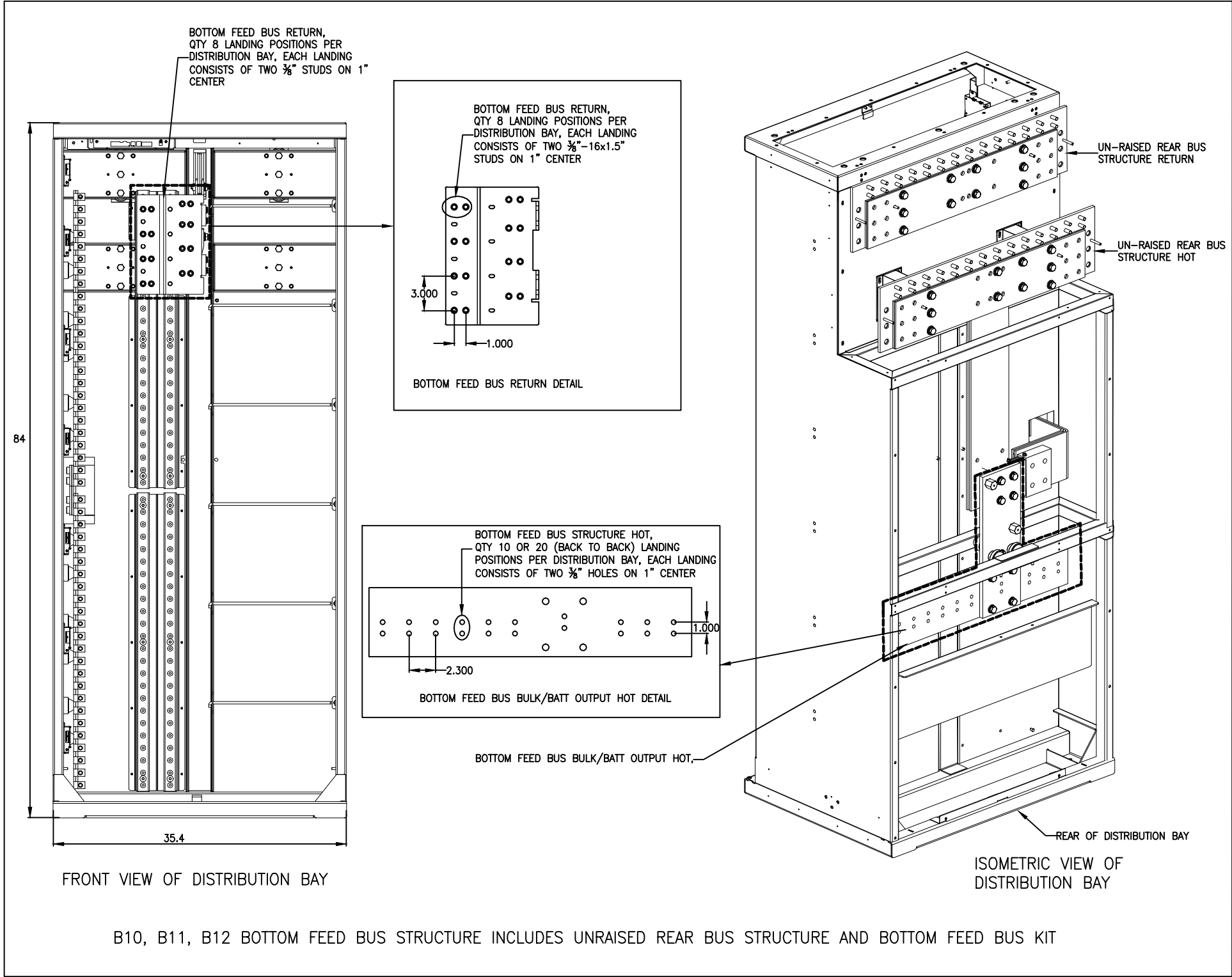
NOTE:  
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| DESCRIPTION OF CHANGE PER ECO NO. |                  |                                                                                       |
|-----------------------------------|------------------|---------------------------------------------------------------------------------------|
| NEW DRAWING RELEASE               |                  |                                                                                       |
| ENGINEER<br>Franky Huang          | ENG.<br>06-12-13 |  |
| DRAFTER<br>FMH                    | DRAWN            |                                                                                       |
| APPROVED                          | IFS              | CAD AUTOCAD                                                                           |
|                                   |                  | ASSEMBLY DRAWING                                                                      |
|                                   |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                   |                  | REAR BUS STRUCTURE                                                                    |
|                                   |                  | DRAWING ISSUE DATE                                                                    |
|                                   |                  | SECTION 2.0-CONTINUED 1                                                               |
|                                   |                  | DRAWING NUMBER 2113503                                                                |



SECTION 2.0—CONTINUED 2 REAR BUS STRUCTURE SELECTION



B13, B14, B15 INTERNAL RETURN FOR BULLET BREAKER BUS STRUCTURE INCLUDES UNRAISED REAR BUS STRUCTURE AND INTERNAL RETURN BASE BUS KIT

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UNLESS OTHERWISE SPECIFIED, ALL LINEAR DIMENSIONAL TOLERANCES ARE  $\pm 0.015$

|                                                          |                  |                                                                                                                    |
|----------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                                                                                                    |
| ENGINEER<br>Franky Huang                                 | ENG.<br>06-12-13 | <br><b>ELTEK</b><br>always on |
| DRAFTER<br>FMH                                           | DRAWN            |                                                                                                                    |
| APPROVED                                                 | IFS              |                                                                                                                    |
|                                                          |                  | CAD AUTOCAD                                                                                                        |
|                                                          |                  | ASSEMBLY DRAWING                                                                                                   |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                                                   |
|                                                          |                  | REAR BUS STRUCTURE                                                                                                 |
|                                                          |                  | DRAWING ISSUE DATE                                                                                                 |
|                                                          |                  | SECTION 2.0—CONTINUED 2                                                                                            |
|                                                          |                  | DRAWING NUMBER 2113503                                                                                             |

NOTE:  
1. THE DOORS AND REAR COVER ARE REMOVED FOR CLARITY

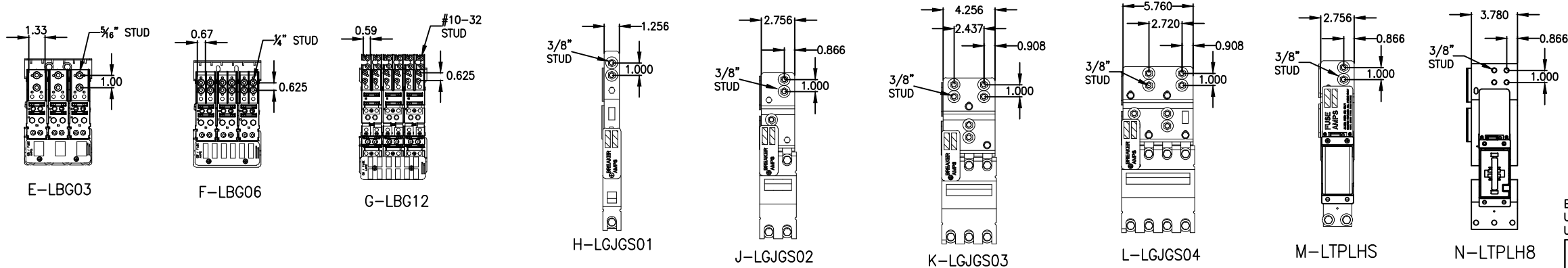
SECTION 3.0 LOAD MODULES

TABLE 3A LOAD MODULE LIST

| GROUP NUMBER                                                                                                                               | PART NUMBER | DESCRIPTION                                                               | AMP RANGE | NO. OF CB OR FUSE | REQUIRED CB OR FUSE TYPE                    | SHUNT MONITOR AVAILABLE | # OF LOAD CONNECTIONS | LANDING SIZE                | MAX. TONGUE WIDTH | OCCUPIED DIST. POSITIONS | REQUIRED QTY | SUBTOTAL OCCUPIED DIST. POSITIONS<br>(= OCCUPIED DIST POSITIONS x REQUIRED QTY) | NOTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-----------|-------------------|---------------------------------------------|-------------------------|-----------------------|-----------------------------|-------------------|--------------------------|--------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E                                                                                                                                          | LBG03       | BULLET BREAKER PANEL W/3-200A CB POSITIONS                                | 125-200   | 3                 | BULLET BREAKER (TABLE 3E)                   | NO                      | 3                     | 5⁄16"-18 STUDS ON 1" CENTER | 1.33"             | 4                        |              |                                                                                 | WHEN THESE MODULES ARE CONFIGURED IN THE SYSTEM, SHUNT MONITOR DEVICES ARE NOT AVAILABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| F                                                                                                                                          | LBG06       | BULLET BREAKER PANEL W/6-100A CB POSITIONS                                | 1-100     | 6                 | BULLET BREAKER OR TPS FUSE (TABLE 3E OR 3F) | NO                      | 6                     | ¼"-20 STUDS ON ¾" CENTER    | 0.67"             | 4                        |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| G                                                                                                                                          | LBG12       | BULLET BREAKER PANEL W/12-50A CB POSITIONS                                | 1-50      | 12                | BULLET BREAKER OR TPS FUSE (TABLE 3E OR 3F) | NO                      | 12                    | #10-32 STUDS ON ¾" CENTER   | 0.59"             | 4                        |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| H                                                                                                                                          | LGJGS01     | GJ/GS BREAKER BUSBAR KIT WITH ALARM CABLE HARNESS, FOR 1-POLE GJ BREAKERS | 100-250   | 1                 | GJ BREAKER (TABLE 3C)                       | YES                     | 1                     | ¾"-16 STUDS ON 1" CENTER    | 1.25"             | 1                        |              |                                                                                 | WHEN THESE LOAD MODULES AND GS BREAKERS ARE CONFIGURED IN SYSTEM, SHUNT MONITOR IS AVAILABLE<br>- FOR SMARTPACK2, IT IS LOAD MONITOR WHICH CAN MONITOR 8 LOAD MODULES (SEE TABLE 3B FOR DETAIL) IN ANOTHER WORD, EVERY 8 THESE LOAD MODULES NEED ONE LOAD MONITOR (GROUP NO. S1).<br>MAX. 3 LOAD MONITORS (GROUP NO. S1) IN ONE DISTRIBUTION BAY<br>- FOR XC CONTROLLER, IT IS DM40400B WHICH CAN MONITOR 4 LOAD MODULES (SEE TABLE 3B FOR DETAIL) IN ANOTHER WORD, EVERY 4 THESE LOAD MODULES NEED ONE DM40400B (GROUP NO. S2).<br>MAX. 6 DM40400B (GROUP NO. S2) IN ONE DISTRIBUTION BAY |
| J                                                                                                                                          | LGJGS02     | GJ/GS BREAKER BUSBAR KIT WITH ALARM CABLE HARNESS, FOR 2-POLE GJ BREAKERS | 275-400   | 1                 | GJ BREAKER (TABLE 3C)                       | YES                     | 2                     | ¾"-16 STUDS ON 1" CENTER    | SEE DRAWING BELOW | 2                        |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| K                                                                                                                                          | LGJGS03     | GJ/GS BREAKER BUSBAR KIT WITH ALARM CABLE HARNESS, FOR 3-POLE GJ BREAKERS | 450-600   | 1                 | GJ BREAKER (TABLE 3C)                       | YES                     | 3                     | ¾"-16 STUDS ON 1" CENTER    | SEE DRAWING BELOW | 3                        |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| L                                                                                                                                          | LGJGS04     | GJ/GS BREAKER BUSBAR KIT WITH ALARM CABLE HARNESS, FOR 4-POLE GJ BREAKERS | 650-800   | 1                 | GJ BREAKER (TABLE 3C)                       | YES                     | 4                     | ¾"-16 STUDS ON 1" CENTER    | SEE DRAWING BELOW | 4                        |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| M                                                                                                                                          | LTPLHS      | TPL FUSE BASE ASSY WITH SHUNT                                             | 70-600    | 1                 | TPL FUSE (TABLE 3D)                         | YES                     | 2                     | ¾"-16 STUDS ON 1" CENTER    | SEE DRAWING BELOW | 2                        |              |                                                                                 | WHEN IT IS CONFIGURED IN THE SYSTEM, SHUNT MONITOR IS NEEDED<br>- FOR SMARTPACK2, IT IS LOAD MONITOR WHICH CAN MONITOR 8 LOAD MODULES (SEE TABLE 3B FOR DETAIL) IN ANOTHER WORD, EVERY 8 THESE LOAD MODULES NEED ONE LOAD MONITOR (GROUP NO. S1)<br>MAX. 3 LOAD MONITORS (GROUP NO. S1) IN ONE DISTRIBUTION BAY<br>- FOR XC CONTROLLER, IT IS DM40400B WHICH CAN MONITOR 4 LOAD MODULES (SEE TABLE 3B FOR DETAIL) IN ANOTHER WORD, EVERY 4 THESE LOAD MODULES NEED ONE DM40400B (GROUP NO. S2)<br>MAX. 6 DM40400B (GROUP NO. S2) IN ONE DISTRIBUTION BAY                                   |
| N                                                                                                                                          | LTPLH8      | TPL FUSE BASE FOR 800A FUSE                                               | 800       | 1                 | TPL FUSE (TABLE 3D)                         | NO                      | 4                     | ¾"-16 STUDS ON 1" CENTER    | SEE DRAWING BELOW | 3                        |              |                                                                                 | WHEN THIS MODULE IS CONFIGURED IN THE SYSTEM, SHUNT MONITOR DEVICES ARE NOT AVAILABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TOTAL OCCUPIED DIST. POSITIONS SHOULD BE NO MORE THAN 48<br>IF IT IS BOTTOM FEED, TOTAL OCCUPIED DIST. POSITIONS SHOULD BE NO MORE THAN 40 |             |                                                                           |           |                   |                                             |                         |                       |                             |                   |                          |              |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

TABLE 3B LOAD SHUNT MONITOR MUST SELECT ONE AND SPECIFY THE QUANTITY

| GROUP NUMBER | PART NUMBER | DESCRIPTION                                                                                                                                                                                                 | INPUT            | MAX. QTY IN ONE DISTRIBUTION BAY | COMPATIBLE DIST. BAY | NOTE                                                                                                |
|--------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|
| S0           | N/A         | NO SHUNT MONITOR                                                                                                                                                                                            | N/A              | N/A                              | N/A                  |                                                                                                     |
| S1           | 289885      | SCALABLE SMARTPACK2 LOAD MONITOR KIT FOR DISTRIBUTION BAY, KIT INCLUDES QTY 8 SHUNT INPUTS<br>INCLUDES: LOAD MONITOR MODULE (242100.301), MOUNTING BRACKET, 3 FEET CAN CABLE, SHUNT AND ALARM CABLE HARNESS | 8 x SHUNT INPUTS | 3                                | D1, D2               | THE QUANTITY OF SHUNT MONITOR IS DETERMINED BY THE QUANTITY OF LOAD MODULE, SEE TABLE 3A FOR DETAIL |
| S2           | DM40400B    | SCALABLE XC CONTROLLER LOAD MONITOR KIT FOR DISTRIBUTION BAY, IT PROVIDES QTY 4 SHUNT INPUTS, QTY 4 FUSE ALARMS INPUTS INCLUDING 1 MONITOR MODULE (XDST2000), MOUNTING BRACKET AND CABLE KITS               | 4 x SHUNT INPUTS | 6                                | D3, D4               |                                                                                                     |



- NOTE:
- EACH LOAD MODULE INCLUDES ALARM CABLES
  - LTPLHS INCLUDES ONE GMT0018 ALARM FUSE
  - LOAD MODULE INSTALLED ORDER
    - LTPLHS - LOCATION: FROM BOTTOM UP
    - LGJGS MODULE - RATING: FROM LARGE TO SMALL; LOCATION: FROM THE TOP LTPLHS (IF ADDED), BOTTOM UP
    - LBG MODULE - RATING: FROM SMALL TO LARGE; LOCATION: FROM TOP DOWN

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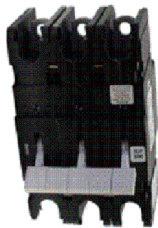
|                                                          |                  |                                                                      |                                                                                                                 |
|----------------------------------------------------------|------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                                                      |  <b>ELTEK</b><br>always on |
| ENGINEER<br>Franky Huang                                 | ENG.<br>10-13-14 | DRAWN                                                                |                                                                                                                 |
| DRAFTER<br>FMH                                           |                  |                                                                      |                                                                                                                 |
| APPROVED                                                 | IFS              | CAD AUTOCAD                                                          |                                                                                                                 |
|                                                          |                  | ASSEMBLY DRAWING<br>SCALABLE DIST. BAY PRODUCT GUIDE<br>LOAD MODULES |                                                                                                                 |
|                                                          |                  | DRAWING ISSUE DATE                                                   |                                                                                                                 |
|                                                          |                  | SECTION 3.0                                                          |                                                                                                                 |
|                                                          |                  | DRAWING<br>NUMBER 2113503                                            |                                                                                                                 |

SECTION 3.1 GS/GJ BREAKER, TPL FUSE AND BREAKERS

| TABLE 3C GJ/GS BREAKER LIST |                                                      |         |                 |            |                      |      |
|-----------------------------|------------------------------------------------------|---------|-----------------|------------|----------------------|------|
| PART NUMBER                 | DESCRIPTION                                          | SIZE(A) | NUMBER OF POLES | WITH SHUNT | REQUIRES LOAD MODULE | NOTE |
| CBGJ100M                    | GJ CIRCUIT BREAKER, 100A 1 POLE MID-TRIP             | 100     | 1               | NO         | LGJGS01              |      |
| CBGJ125M                    | GJ CIRCUIT BREAKER, 125A 1 POLE MID-TRIP             | 125     | 1               | NO         | LGJGS01              |      |
| CBGJ150M                    | GJ CIRCUIT BREAKER, 150A 1 POLE MID-TRIP             | 150     | 1               | NO         | LGJGS01              |      |
| CBGJ200M                    | GJ CIRCUIT BREAKER, 200A 1 POLE MID-TRIP             | 200     | 1               | NO         | LGJGS01              |      |
| CBGJ225M                    | GJ CIRCUIT BREAKER, 225A 1 POLE MID-TRIP             | 225     | 1               | NO         | LGJGS01              |      |
| CBGJ250M                    | GJ CIRCUIT BREAKER, 250A 1 POLE MID-TRIP             | 250     | 1               | NO         | LGJGS01              |      |
| CBGJ300M                    | GJ CIRCUIT BREAKER, 300A 2 POLE MID-TRIP             | 300     | 2               | NO         | LGJGS02              |      |
| CBGJ350M                    | GJ CIRCUIT BREAKER, 350A 2 POLE MID-TRIP             | 350     | 2               | NO         | LGJGS02              |      |
| CBGJ400M                    | GJ CIRCUIT BREAKER, 400A 2 POLE MID-TRIP             | 400     | 2               | NO         | LGJGS02              |      |
| CBGJ450M                    | GJ CIRCUIT BREAKER, 400A 3 POLE MID-TRIP             | 450     | 3               | NO         | LGJGS03              |      |
| CBGJ500M                    | GJ CIRCUIT BREAKER, 500A 3 POLE MID-TRIP             | 500     | 3               | NO         | LGJGS03              |      |
| CBGJ600M                    | GJ CIRCUIT BREAKER, 600A 3 POLE MID-TRIP             | 600     | 3               | NO         | LGJGS03              |      |
| CBGS100M                    | GS CIRCUIT BREAKER, 100A 1 POLE MID-TRIP, WITH SHUNT | 100     | 1               | YES        | LGJGS01              |      |
| CBGS125M                    | GS CIRCUIT BREAKER, 125A 1 POLE MID-TRIP, WITH SHUNT | 125     | 1               | YES        | LGJGS01              |      |
| CBGS150M                    | GS CIRCUIT BREAKER, 150A 1 POLE MID-TRIP, WITH SHUNT | 150     | 1               | YES        | LGJGS01              |      |
| CBGS200M                    | GS CIRCUIT BREAKER, 200A 1 POLE MID-TRIP, WITH SHUNT | 200     | 1               | YES        | LGJGS01              |      |
| CBGS225M                    | GS CIRCUIT BREAKER, 225A 1 POLE MID-TRIP, WITH SHUNT | 225     | 1               | YES        | LGJGS01              |      |
| CBGS250M                    | GS CIRCUIT BREAKER, 250A 1 POLE MID-TRIP, WITH SHUNT | 250     | 1               | YES        | LGJGS01              |      |
| CBGS300M                    | GS CIRCUIT BREAKER, 300A 2 POLE MID-TRIP, WITH SHUNT | 300     | 2               | YES        | LGJGS02              |      |
| CBGS350M                    | GS CIRCUIT BREAKER, 350A 2 POLE MID-TRIP, WITH SHUNT | 350     | 2               | YES        | LGJGS02              |      |
| CBGS400M                    | GS CIRCUIT BREAKER, 400A 2 POLE MID-TRIP, WITH SHUNT | 400     | 2               | YES        | LGJGS02              |      |
| CBGS450M                    | GS CIRCUIT BREAKER, 450A 3 POLE MID-TRIP, WITH SHUNT | 450     | 3               | YES        | LGJGS03              |      |
| CBGS500M                    | GS CIRCUIT BREAKER, 500A 3 POLE MID-TRIP, WITH SHUNT | 500     | 3               | YES        | LGJGS03              |      |
| CBGS600M                    | GS CIRCUIT BREAKER, 600A 3 POLE MID-TRIP, WITH SHUNT | 600     | 3               | YES        | LGJGS03              |      |
| CBGS800M                    | GS CIRCUIT BREAKER, 800A 4 POLE MID-TRIP, WITH SHUNT | 800     | 4               | YES        | LGJGS04              |      |
| CBGJ125E                    | GJ CIRCUIT BREAKER, 125A 1 POLE E-TRIP               | 125     | 1               | NO         | LGJGS01              |      |
| CBGJ225E                    | GJ CIRCUIT BREAKER, 225A 1 POLE E-TRIP               | 225     | 1               | NO         | LGJGS01              |      |
| CBGJ250E                    | GJ CIRCUIT BREAKER, 150A 1 POLE E-TRIP               | 250     | 1               | NO         | LGJGS01              |      |
| CBGJ400E                    | GJ CIRCUIT BREAKER, 400A 2 POLE E-TRIP               | 400     | 2               | NO         | LGJGS02              |      |
| CBGJ600E                    | GJ CIRCUIT BREAKER, 600A 3 POLE MID-TRIP             | 600     | 3               | NO         | LGJGS03              |      |
| CBGS100E                    | GS CIRCUIT BREAKER, 100A 1 POLE E-TRIP, WITH SHUNT   | 100     | 1               | YES        | LGJGS01              |      |
| CBGS125E                    | GS CIRCUIT BREAKER, 125A 1 POLE E-TRIP, WITH SHUNT   | 125     | 1               | YES        | LGJGS01              |      |
| CBGS200E                    | GS CIRCUIT BREAKER, 200A 1 POLE E-TRIP, WITH SHUNT   | 200     | 1               | YES        | LGJGS01              |      |
| CBGS225E                    | GS CIRCUIT BREAKER, 225A 1 POLE E-TRIP, WITH SHUNT   | 225     | 1               | YES        | LGJGS01              |      |
| CBGS250E                    | GS CIRCUIT BREAKER, 250A 1 POLE E-TRIP, WITH SHUNT   | 250     | 1               | YES        | LGJGS01              |      |
| CBGS600E                    | GS CIRCUIT BREAKER, 600A 3 POLE E-TRIP, WITH SHUNT   | 600     | 3               | YES        | LGJGS03              |      |

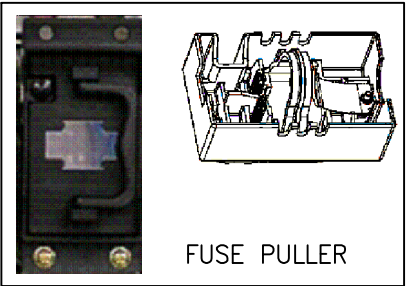
NOTE:

1. THE MID-TRIP GJ/GS BREAKER HAS A WHITE HANDLE
2. GJ/GS BREAKERS ARE INSTALLED IN FACTORY BY DEFAULT WHEN THEY ARE ORDERED WITH DISTRIBUTION BAY



3-POLE CBGJ/GS BREAKER

| TABLE 3D TPL LIST                                                           |                               |         |                      |                       |
|-----------------------------------------------------------------------------|-------------------------------|---------|----------------------|-----------------------|
| EACH TPL FUSE REQUIRES ONE FUSE BASE (LTPLHS OR LTPLH8) AND ONE FUSE PULLER |                               |         |                      |                       |
| PART NUMBER                                                                 | DESCRIPTION                   | SIZE(A) | REQUIRES LOAD MODULE | NOTE                  |
| TPLR1                                                                       | FUSE PULLER, TPL, UP TO 250A  | 70-250  | LTPLHS               | FOR 70A TO 250A FUSE  |
| TPLR2                                                                       | FUSE PULLER, TPL, 275 TO 800A | 300-800 | LTPLHS               | FOR 300A TO 800A FUSE |
| TPL070                                                                      | FUSE, TPL STYLE, 70 AMP       | 70      | LTPLHS               |                       |
| TPL100                                                                      | FUSE, TPL STYLE, 100 AMP      | 100     | LTPLHS               |                       |
| TPL125                                                                      | FUSE, TPL STYLE, 125 AMP      | 125     | LTPLHS               |                       |
| TPL150                                                                      | FUSE, TPL STYLE, 150 AMP      | 150     | LTPLHS               |                       |
| TPL175                                                                      | FUSE, TPL STYLE, 175 AMP      | 175     | LTPLHS               |                       |
| TPL200                                                                      | FUSE, TPL STYLE, 200 AMP      | 200     | LTPLHS               |                       |
| TPL225                                                                      | FUSE, TPL STYLE, 225 AMP      | 225     | LTPLHS               |                       |
| TPL250                                                                      | FUSE, TPL STYLE, 250 AMP      | 250     | LTPLHS               |                       |
| TPL300                                                                      | FUSE, TPL STYLE, 300 AMP      | 300     | LTPLHS               |                       |
| TPL400                                                                      | FUSE, TPL STYLE, 400 AMP      | 400     | LTPLHS               |                       |
| TPL500                                                                      | FUSE, TPL STYLE, 500 AMP      | 500     | LTPLHS               |                       |
| TPL600                                                                      | FUSE, TPL STYLE, 600 AMP      | 600     | LTPLHS               |                       |
| TPL800                                                                      | FUSE, TPL STYLE, 800 AMP      | 800     | LTPLH8               |                       |



FUSE PULLER

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| DESCRIPTION OF CHANGE PER ECO NO. |                  |                                  |
|-----------------------------------|------------------|----------------------------------|
| NEW DRAWING RELEASE               |                  |                                  |
| ENGINEER<br>Franky Huang          | ENG.<br>10-13-14 |                                  |
| DRAFTER<br>FMH                    | DRAWN            |                                  |
| APPROVED                          | IFS              | CAD AUTOCAD                      |
|                                   |                  | ASSEMBLY DRAWING                 |
|                                   |                  | SCALABLE DIST. BAY PRODUCT GUIDE |
|                                   |                  | GJ/GS, TPL FUSE AND BREAKERS     |
|                                   |                  | DRAWING ISSUE DATE               |
|                                   |                  | SECTION 3.1                      |
|                                   |                  | DRAWING NUMBER 2113503           |



SECTION 3.1–CONTINUED GS/GJ BREAKER, TPL FUSE AND BREAKERS

TABLE 3E BULLET BREAKER LIST

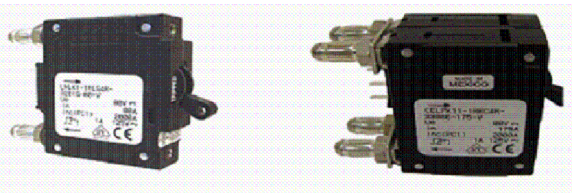
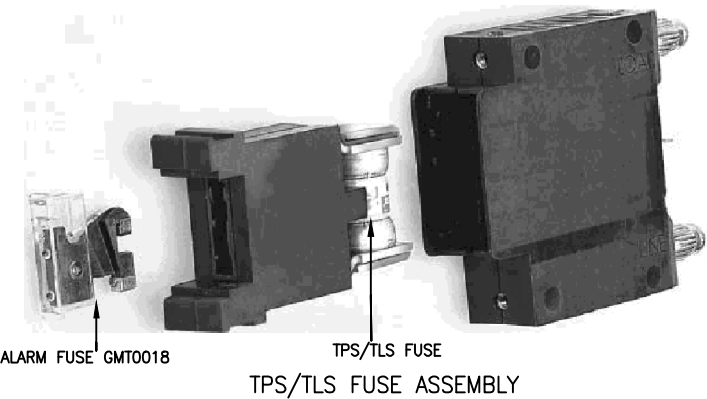
| PART NUMBER | DESCRIPTION                                      | SIZE (A) | NUMBER OF POLES | APPLICABLE LOAD MODULE | NOTE |
|-------------|--------------------------------------------------|----------|-----------------|------------------------|------|
| CBB005E     | BULLET BREAKER, 5 AMP, ELECTRO MECHANICAL        | 5        | 1               | LBG06, LBG12           |      |
| CBB010E     | BULLET BREAKER, 10 AMP, ELECTRO MECHANICAL       | 10       | 1               | LBG06, LBG12           |      |
| CBB015E     | BULLET BREAKER, 15 AMP, ELECTRO MECHANICAL       | 15       | 1               | LBG06, LBG12           |      |
| CBB020E     | BULLET BREAKER, 20 AMP, ELECTRO MECHANICAL       | 20       | 1               | LBG06, LBG12           |      |
| CBB025E     | BULLET BREAKER, 25 AMP, ELECTRO MECHANICAL       | 25       | 1               | LBG06, LBG12           |      |
| CBB030E     | BULLET BREAKER, 30 AMP, ELECTRO MECHANICAL       | 30       | 1               | LBG06, LBG12           |      |
| CBB040E     | BULLET BREAKER, 40 AMP, ELECTRO MECHANICAL       | 40       | 1               | LBG06, LBG12           |      |
| CBB050E     | BULLET BREAKER, 50 AMP, ELECTRO MECHANICAL       | 50       | 1               | LBG06                  |      |
| CBB060E     | BULLET BREAKER, 60 AMP, ELECTRO MECHANICAL       | 60       | 1               | LBG06                  |      |
| CBB075E     | BULLET BREAKER, 75 AMP, ELECTRO MECHANICAL       | 75       | 1               | LBG06                  |      |
| CBB090E     | BULLET BREAKER, 90 AMP, ELECTRO MECHANICAL       | 90       | 1               | LBG06                  |      |
| CBB100E     | BULLET BREAKER, 100 AMP, ELECTRO MECHANICAL      | 100      | 1               | LBG06                  |      |
| CBB125E     | BULLET BREAKER, 125 AMP, ELECTRO MECHANICAL      | 125      | 2               | LBG03                  |      |
| CBB150E     | BULLET BREAKER, 150 AMP, ELECTRO MECHANICAL      | 150      | 2               | LBG03                  |      |
| CBB175E     | BULLET BREAKER, 175 AMP, ELECTRO MECHANICAL      | 175      | 2               | LBG03                  |      |
| CBB200E     | BULLET BREAKER, 200 AMP, ELECTRO MECHANICAL      | 200      | 2               | LBG03                  |      |
| CBB005M     | BULLET BREAKER, 5 AMP, MID–TRIP W WHITE HANDLE   | 5        | 1               | LBG06, LBG12           |      |
| CBB010M     | BULLET BREAKER, 10 AMP, MID–TRIP W WHITE HANDLE  | 10       | 1               | LBG06, LBG12           |      |
| CBB015M     | BULLET BREAKER, 15 AMP, MID–TRIP W WHITE HANDLE  | 15       | 1               | LBG06, LBG12           |      |
| CBB020M     | BULLET BREAKER, 20 AMP, MID–TRIP W WHITE HANDLE  | 20       | 1               | LBG06, LBG12           |      |
| CBB025M     | BULLET BREAKER, 25 AMP, MID–TRIP W WHITE HANDLE  | 25       | 1               | LBG06, LBG12           |      |
| CBB030M     | BULLET BREAKER, 30 AMP, MID–TRIP W WHITE HANDLE  | 30       | 1               | LBG06, LBG12           |      |
| CBB040M     | BULLET BREAKER, 40 AMP, MID–TRIP W WHITE HANDLE  | 40       | 1               | LBG06, LBG12           |      |
| CBB050M     | BULLET BREAKER, 50 AMP, MID–TRIP W WHITE HANDLE  | 50       | 1               | LBG06, LBG12           |      |
| CBB060M     | BULLET BREAKER, 60 AMP, MID–TRIP W WHITE HANDLE  | 60       | 1               | LBG06                  |      |
| CBB075M     | BULLET BREAKER, 75 AMP, MID–TRIP W WHITE HANDLE  | 75       | 1               | LBG06                  |      |
| CBB090M     | BULLET BREAKER, 90 AMP, MID–TRIP W WHITE HANDLE  | 90       | 1               | LBG06                  |      |
| CBB100M     | BULLET BREAKER, 100 AMP, MID–TRIP W WHITE HANDLE | 100      | 1               | LBG06                  |      |
| CBB125M     | BULLET BREAKER, 125 AMP, MID–TRIP W WHITE HANDLE | 125      | 2               | LBG03                  |      |
| CBB150M     | BULLET BREAKER, 150 AMP, MID–TRIP W WHITE HANDLE | 150      | 2               | LBG03                  |      |
| CBB175M     | BULLET BREAKER, 175 AMP, MID–TRIP W WHITE HANDLE | 175      | 2               | LBG03                  |      |
| CBB200M     | BULLET BREAKER, 200 AMP, MID–TRIP W WHITE HANDLE | 200      | 2               | LBG03                  |      |

TABLE 3F TPS LIST

| PART NUMBER | DESCRIPTION                          | SIZE(A) | NUMBER OF POLES | APPLICABLE LOAD MODULE | NOTE                               |
|-------------|--------------------------------------|---------|-----------------|------------------------|------------------------------------|
| TPSB100     | FUSE HOLDER, TPS IN BULLET BKR FORM  | 1–125   | 1               | LBG06, LBG12           | ALARM ON FUSE CARTRIDGE REMOVEL    |
| 302195      | TPS HOLDER, CARTRIDGE REMOVED NO ALM | 1–125   | 1               | LBG06, LBG12           | NO ALARM ON FUSE CARTRIDGE REMOVEL |
| TPS002      | FUSE, TPS STYLE, 2 AMP               | 2       | 1               | LBG06, LBG12           |                                    |
| TPS006      | FUSE, TPS STYLE, 6 AMP               | 6       | 1               | LBG06, LBG12           |                                    |
| TPS010      | FUSE, TPS STYLE, 10 AMP              | 10      | 1               | LBG06, LBG12           |                                    |
| TPS015      | FUSE, TPS STYLE, 15 AMP              | 15      | 1               | LBG06, LBG12           |                                    |
| TPS020      | FUSE, TPS STYLE, 20 AMP              | 20      | 1               | LBG06, LBG12           |                                    |
| TPS025      | FUSE, TPS STYLE, 25 AMP              | 25      | 1               | LBG06, LBG12           |                                    |
| TPS030      | FUSE, TPS STYLE, 30 AMP              | 30      | 1               | LBG06, LBG12           |                                    |
| TPS040      | FUSE, TPS STYLE, 40 AMP              | 40      | 1               | LBG06, LBG12           |                                    |
| TPS050      | FUSE, TPS STYLE, 50 AMP              | 50      | 1               | LBG06, LBG12           |                                    |
| TPS060      | FUSE, TPS STYLE, 60 AMP              | 60      | 1               | LBG06                  |                                    |
| TPS070      | FUSE, TPS STYLE, 70 AMP              | 70      | 1               | LBG06                  |                                    |
| TPS100      | FUSE, TPS STYLE, 100 AMP             | 100     | 1               | LBG06                  |                                    |

NOTE:

1. EACH TLS/TPS FUSE REQUIRES ONE TLS/TPS FUSE HOLDER
2. THE ALARM FUSE ON TPS/TLS FUSE HOLDER IS GMT0018, WHICH IS INCLUDED IN THE FUSE HOLDER (TPSB100)
3. TLS/TPS FUSE HOLDER IS THE SAME SIZE AS A 1–POLE BULLET BREAKER



1P BULLET BREAKER

2P BULLET BREAKER

TABLE 3G GMT FUSE LIST

| PART NUMBER | DESCRIPTION                  | SIZE (A) | APPLICABLE LOAD MODULE | NOTE |
|-------------|------------------------------|----------|------------------------|------|
| GMT0018     | GMT FUSE 60VDC/125VAC 0.18 A | 0.18     | LTPHLS, TPSB100        |      |



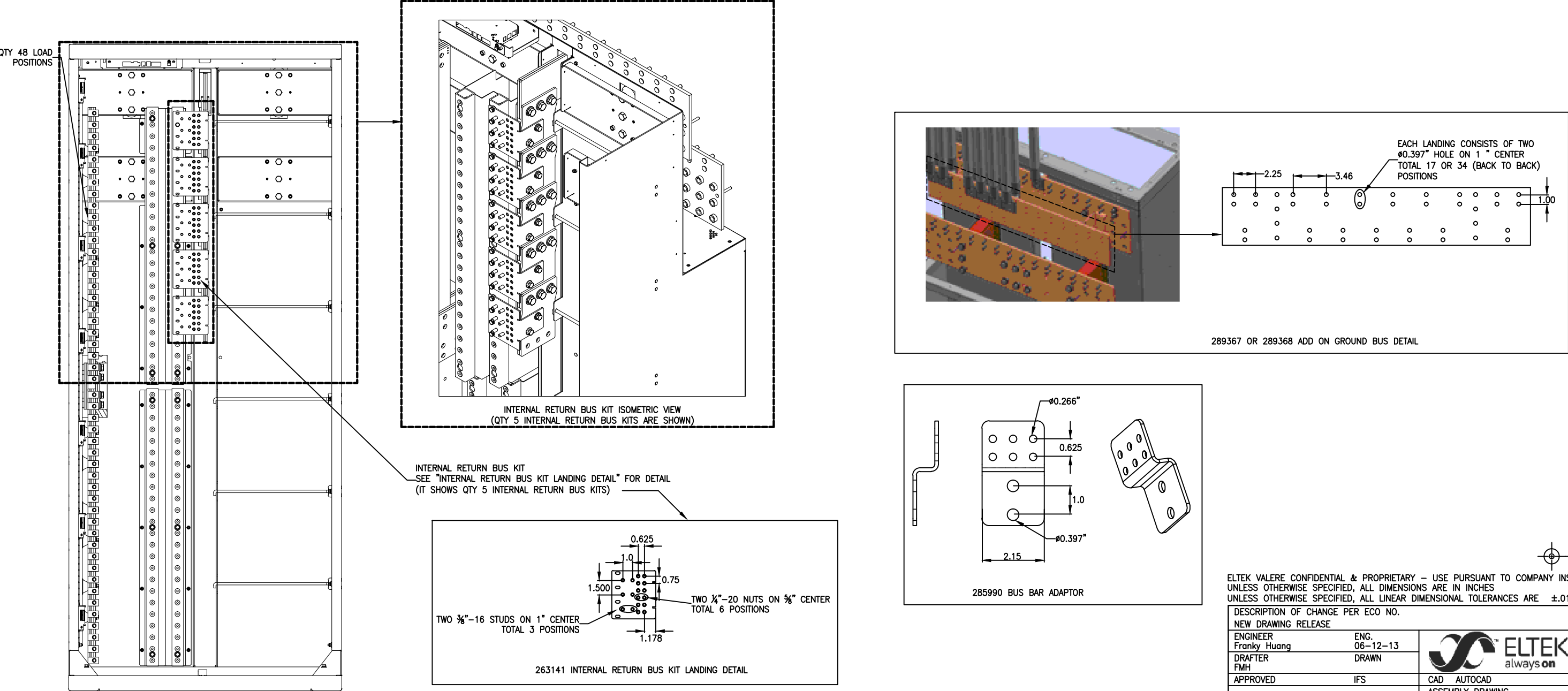
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|                                                          |                  |  |                                                                                       |
|----------------------------------------------------------|------------------|--|---------------------------------------------------------------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |  |  |
| ENGINEER<br>Franky Huang                                 | ENG.<br>06–12–13 |  |                                                                                       |
| DRAFTER<br>FMH                                           | DRAWN            |  |                                                                                       |
| APPROVED                                                 | IFS              |  | CAD AUTOCAD                                                                           |
|                                                          |                  |  | ASSEMBLY DRAWING                                                                      |
|                                                          |                  |  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                                          |                  |  | GJ/GS, TPL FUSE AND BREAKERS                                                          |
|                                                          |                  |  | DRAWING ISSUE DATE                                                                    |
|                                                          |                  |  | SECTION 3.1–CONTINUED                                                                 |
|                                                          |                  |  | DRAWING NUMBER 2113503                                                                |

SECTION 4.0 OPTIONAL RETURN BUS

TABLE 4 OPTIONAL RETURN BUS, SHIP LOOSE KITS, SELECT IF NECESSARY

| PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CAPACITY (A) | # OF LANDINGS AND REQUIRED LUG SIZE                                                | MAX. QTY IN ONE DISTRIBUTION BAY | COMPATIBLE REAR BUS STRUCTURE         | NOTE                                                                      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|---------------------------------------------------------------------------|
| 263141      | SPS DISTRIBUTION BAY INTERNAL RETURN BUS FOR SMALL LOAD (BULLET BREAKER, LOAD MODULE LBG03, LBG06 AND LBG12) 600 AMP SMALL LOAD INTERNAL ADD-ON RETURN BAR KIT (3KA BACKBONE), EXTENDS FROM INTERNAL RETURN BASE, INCLUDES:<br>- QTY 3 LANDING POSITIONS FOR LBG03, EACH LANDING CONSISTS OF TWO 3/8"-16 ON 1" CENTER<br>- QTY 6 LANDING POSITIONS FOR LBG06 OR LBG12, EACH LANDING CONSISTS OF TWO 1/4"-20 ON 5/8" CENTER<br>MAX 6 IN ONE DISTRIBUTION BAY | 600          | QTY 3 LANDINGS, 3/8" HOLE ON 1" CENTER<br>QTY 6 LANDINGS, 1/4" HOLE ON 5/8" CENTER | 6                                | B13, B14, B15                         | EACH LBG03, LBG06 OR LBG12 NEEDS ONE INTERNAL RETURN BUS KIT IF NECESSARY |
| 289367      | ADD ON GROUND BUS KIT, INCLUDING QTY 17 OR 34 (BACK TO BACK) LANDING POSITIONS, EACH LANDING CONSISTS OF TWO 3/8" HOLES ON 1" CENTER                                                                                                                                                                                                                                                                                                                        | 1500         | QTY 17 OR 34 (BACK TO BACK), 3/8" HOLE ON 1" CENTER                                | 1                                | B1, B2, B3, B13, B14, B15             |                                                                           |
| 289368      | ADD ON GROUND BUS KIT, INCLUDING QTY 17 OR 34 (BACK TO BACK) LANDING POSITIONS, EACH LANDING CONSISTS OF TWO 3/8" HOLES ON 1" CENTER                                                                                                                                                                                                                                                                                                                        | 3000         | QTY 17 OR 34 (BACK TO BACK), 3/8" HOLE ON 1" CENTER                                | 1                                | B1, B2, B3, B13, B14, B15             |                                                                           |
| 285990      | BUS BAR ADAPTOR<br>TRANSFER ONE 3/8" ON 1" LANDING TO THREE 1/4" ON 5/8" CENTER LANDINGS, FOR SMALL LOAD RETURN                                                                                                                                                                                                                                                                                                                                             | 800          | QTY 3, 1/4" HOLE ON 5/8" CENTER                                                    | 14                               | B1, B2, B3, B4, B5, B6, B13, B14, B15 |                                                                           |



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DESCRIPTION OF CHANGE PER ECO NO.  
NEW DRAWING RELEASE

|                          |                  |
|--------------------------|------------------|
| ENGINEER<br>Franky Huang | ENG.<br>06-12-13 |
| DRAFTER<br>FMH           | DRAWN            |
| APPROVED                 | IFS              |



|                                  |         |
|----------------------------------|---------|
| CAD                              | AUTOCAD |
| ASSEMBLY DRAWING                 |         |
| SCALABLE DIST. BAY PRODUCT GUIDE |         |
| OPTIONAL INTERNAL RETURN BUS     |         |
| DRAWING ISSUE DATE               |         |
| SECTION                          | 4.0     |
| DRAWING NUMBER                   | 2113503 |

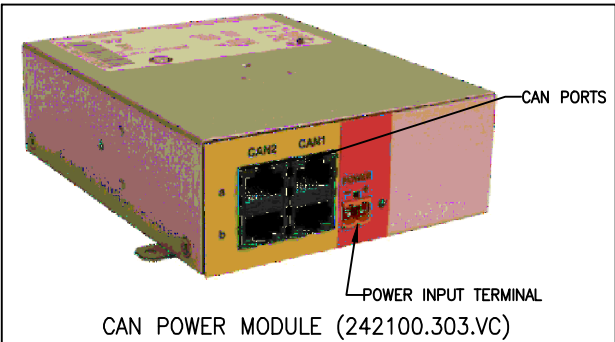
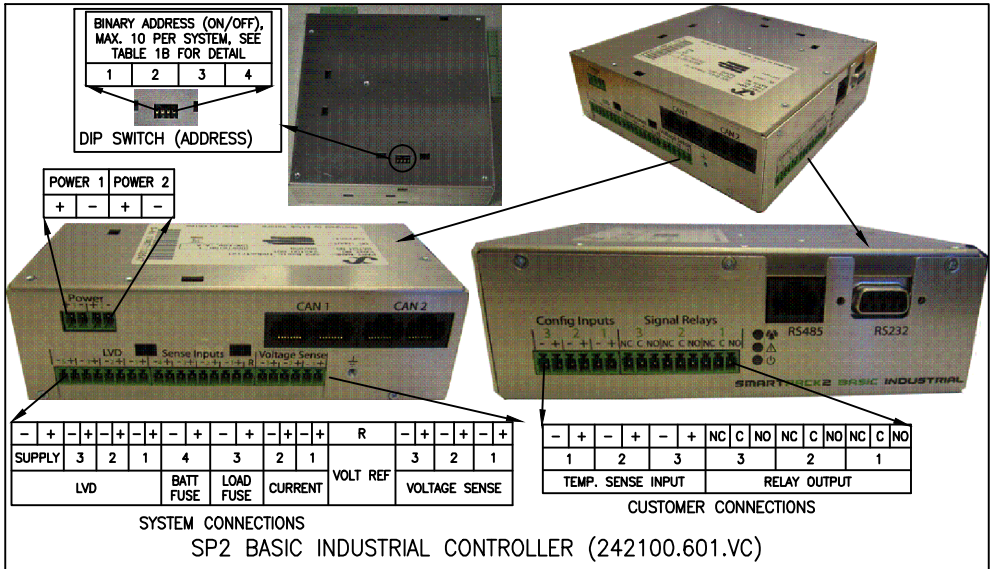
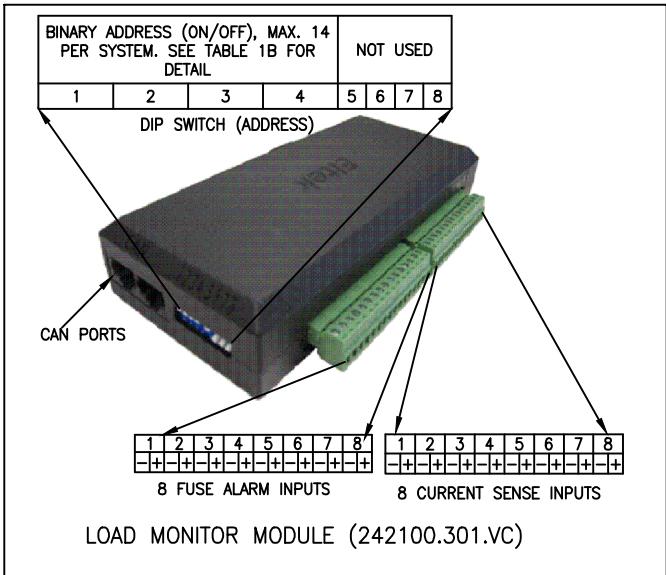
SECTION 5.0 SMARTPACK2 CONTROLLER ACCESSORIES

TABLE 5A SMARTPACK2 CONTROLLER ACCESSORIES    SELECT IF NECESSARY

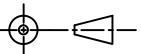
| PART NUMBER   | DESCRIPTION                                                                                                                                                                                                                                             | RELAY OUTPUT | CONFIGURABLE INPUT                                                                | AGENCY APPROVAL                | WIDTH (IN) | DEPTH (IN) | HEIGHT (RU) | COMPATIBLE DIST. BAY | EST. WEIGHT (LBS) | NOTE |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|--------------------------------|------------|------------|-------------|----------------------|-------------------|------|
| 289885        | SCALABLE SMARTPACK2 LOAD MONITOR KIT FOR DISTRIBUTION BAY<br>- INCLUDES: LOAD MONITOR MODULE (242100.301.VC), 3 FEET CAN CABLE, SHUNT CABLE HARNESS AND MOUNTING BRACKET<br>- CONFIGURABLE INPUTS: COMPRESSION TERMINAL BLOCK, ACCEPTS MAX. 16AWG CABLE | N/A          | 8 x CONFIGURABLE (FUSE FAILURE)<br>8 x SHUNT INPUTS<br>(ACCEPTS MAX. 16AWG CABLE) | CE, UL, NEBS<br>RoHS COMPLIANT | 6.12       | 2.78       | 1.22        | D1, D2               | 1                 |      |
| 242100.303.VC | CAN POWER MODULE<br>- PROVIDES INSOLATED OR ADDITIONAL CAN BUS POWER, OUTPUT ±15V, 500mA, DUAL RJ45 CONNECTORS<br>- COMPRESSION TERMINAL BLOCK FOR POWER INPUT, ACCEPTS MAX. 12AWG CABLE                                                                | N/A          | N/A                                                                               | CE, UL<br>RoHS COMPLIANT       | 5.23       | 4.25       | 1.59        | D1, D2               | 1                 |      |

TABLE 5B SMARTPACK2 CONTROLLER SPARE PARTS

| PART NUMBER   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                          | RELAY OUTPUT                   | CONFIGURABLE INPUT                                                         | CAN POWER<br>OUTPUT/CONSUMPTION     | AGENCY APPROVAL                | WIDTH (IN) | DEPTH (IN) | HEIGHT (RU) | COMPATIBLE DIST. BAY | EST. WEIGHT (LBS) | CLEI / CPR | NOTE |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------|-------------------------------------|--------------------------------|------------|------------|-------------|----------------------|-------------------|------------|------|
| 242100.601.VC | SMARTPACK2 BASIC INDUSTRIAL CONTROLLER<br>SUITABLE FOR SYSTEM WITH NEGATIVE, POSITIVE AND FLOATING DC DISTRIBUTION<br>-QTY 2 SEPARATE CAN BUS WITH DISTRIBUTED POWER FOR CONNECTED CAN DEVICES<br>-HANDLES LVD CONTROL, TAKES CONTROL OF CRITICAL SYSTEM FUNCTIONS<br>-PROVIDES QTY 3 TEMPERATURE SENSE INPUTS, QTY 3 RELAY OUTPUTS, COMPRESSION<br>TERMINAL BLOCK, MAX. 16AWG CABLE | QTY 3<br>(MAX. 16AWG<br>CABLE) | QTY 3<br>(MAX. 16AWG CABLE)                                                | 500mA OUTPUT<br>DUAL RJ45 TERMINALS | CE, UL<br>RoHS COMPLIANT       | 5.75       | 5.75       | 1.75        | D1, D2               | 1                 | YES        |      |
| 242100.301.VC | LOAD MONITOR MODULE, POWERED BY CAN BUS<br>- QTY 8 SHUNTS INPUTS AND QTY 8 FUSE ALARM INPUTS, COMPRESSION TERMINAL BLOCK,<br>ACCEPTS MAX. 16AWG CABLE                                                                                                                                                                                                                                | N/A                            | 8 x CONFIGURABLE (FUSE FAILURE)<br>8 x CURRENT SENSE<br>(MAX. 16AWG CABLE) | 120mA CONSUMPTION                   | CE, UL, NEBS<br>RoHS COMPLIANT | 6.12       | 2.78       | 1.22        | D1, D2               | 0.5               | YES        |      |



| TABLE 5C SMARTPACK2 CABLES ACCESSORIES |                             |            |      |
|----------------------------------------|-----------------------------|------------|------|
| PART NUMBER                            | DESCRIPTION                 | LENGTH (M) | NOTE |
| 105681                                 | CAN END TERMINATION PLUG    | N/A        |      |
| 256374                                 | CAN BUS CABLE 30M G1 (RJ45) | 30         |      |
| 259230                                 | CAN BUS CABLE 15M G1 (RJ45) | 15         |      |
| 230703                                 | CAN BUS CABLE_10M G1        | 10         |      |



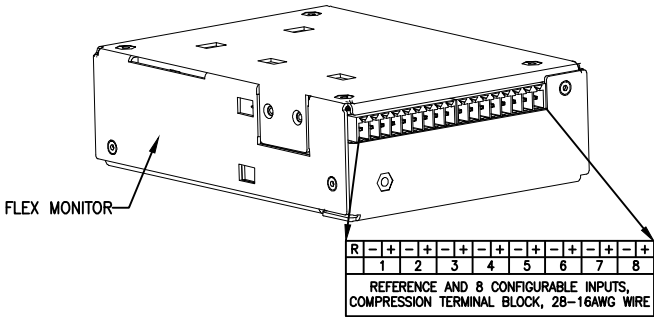
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|                                                          |                  |                                                                                       |
|----------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                                                                       |
| ENGINEER<br>Franky Huang                                 | ENG.<br>10-13-14 |  |
| DRAFTER<br>FMH                                           | DRAWN            |                                                                                       |
| APPROVED                                                 | IFS              | CAD AUTOCAD                                                                           |
|                                                          |                  | ASSEMBLY DRAWING                                                                      |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                                          |                  | SMARTPACK2 CONTROLLER ACCESSORIES                                                     |
|                                                          |                  | DRAWING ISSUE DATE                                                                    |
|                                                          |                  | SECTION 5.0                                                                           |
|                                                          |                  | DRAWING NUMBER 2113503                                                                |

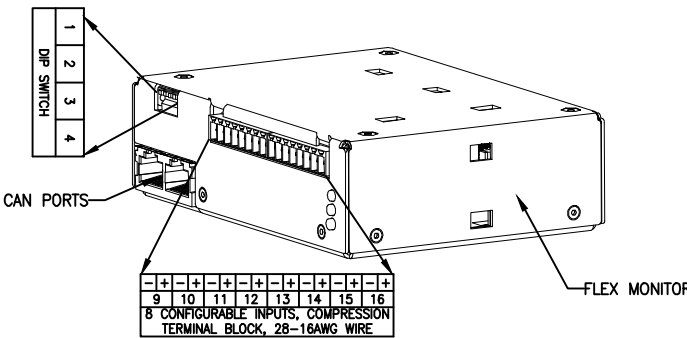
SECTION 5.0–CONTINUED SMARTPACK2 CONTROLLER ACCESSORIES

TABLE 5J FLEX MONITOR

| PART NUMBER | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | RELAY OUTPUTS | CONFIGURABLE INPUTS                           | CAN POWER OUTPUT/CONSUMPTION | AGENCY APPROVAL             | WIDTH (IN) | DEPTH (IN) | HEIGHT (RU) | COMPATIBLE CONTROLLER | EST. WEIGHT (LBS) | CLEI / CPR | NOTE                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------|------------------------------|-----------------------------|------------|------------|-------------|-----------------------|-------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 242100.603  | FLEXIMONITOR, PROVIDES QTY 16 CONFIGURABLE INPUTS PER UINIT (UP TO 14 UNITS IN ONE CONTROL SYSTEM), THE INPUTS CAN BE USED AS:<br>– VOLTAGE / SYMMETRY INPUT, VOLT RANGE : –280VDC TO +280VDC; VOLT RESOLUTION 10mVDC<br>– CURRENT SHUNT INPUT, SHUNT RANGE: –100mV TO 100mV, SHUNT RESOLUTION 4.0μVDC<br>– FUSE ALARM SENSE INPUT<br>– TEMPERATURE SENSE INPUT, TEMPERATURE RANGE: –20 TO +700C<br>– TACHO / PULSE SENSE INPUT, TACHO (PULSE SENSE) RANGE: 100 TO 11000 PPM<br>CAN PROVIDE RELAY OUTPUTS WITH PLUG-IN RELAY EXTENSION BOARDS (PLUG-IN RELAY EXTENSION BOARD NOT INCLUDED) | N/A           | QTY 16<br>COMPRESSION TERMINAL,<br>MAX. 16AWG | MAX. 200mA<br>CONSUMPTION    | CE, UL<br>RoHS<br>COMPLIANT | 4.53       | 3.31       | 1.32        | C1                    | 0.5               | NO         | WORKS WITH THE SYSTEM HAS ONE OR SEVERAL CONTROLLERS WITH THE FOLLOWING FIRMWARE VERSION OR HIGHER: SMARTPACK2 MASTER (FW V. 2.3), SMARTPACK2 BASIC (FW V. 1.3), SMARTPACK2 BASIC INDUSTRIAL (FW V. 2.1), SMARTPACK S (FW V. 2.3.1) |



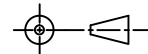
FLEX MONITOR ISO VIEW – 1



FLEX MONITOR ISO VIEW – 2

TABLE 5K SYMMETRY CABLES FOR BATTERY SYMMETRY VOLTAGE MEASUREMENT  
(WHEN THESE CABLES WORK WITH FLEXIMONITR (242100.603) FOR SYMMETRY VOLTAGE MEASUREMENT, QTY 1 MORE CABLE IS NEEDED FOR THE REFERENCE)

| PART NUMBER | DESCRIPTION                                                                                                                  | LENGTH (FT) | NOTE |
|-------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------|
| 200830      | BATTERY SYMMETRY CABLE, BLACK, 1.5 METER LONG (4.9'), 60VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED   | 4.9         |      |
| 278797      | BATTERY SYMMETRY CABLE, BLACK, 2.0 METER LONG (6.6'), 60VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED   | 6.6         |      |
| 208867      | BATTERY SYMMETRY CABLE, BLACK, 2.5 METER LONG (8.2'), 60VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED   | 8.2         |      |
| 334180      | BATTERY SYMMETRY CABLE, BLACK, 5.0 METER LONG (16.4'), 60VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED  | 16.4        |      |
| 302353      | BATTERY SYMMETRY CABLE, BLACK, 15.0 METER LONG (49.2'), 60VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED | 49.2        |      |
| 334494      | BATTERY SYMMETRY CABLE, BLACK, 2.0 METER LONG (6.6'), 220VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED  | 6.6         |      |
| 285674      | BATTERY SYMMETRY CABLE, BLACK, 3.0 METER LONG (9.8'), 220VDC<br>– QTY 3 RING TERMINALS (Ø0.248", Ø0.331", Ø0.394") INCLUDED  | 9.8         |      |



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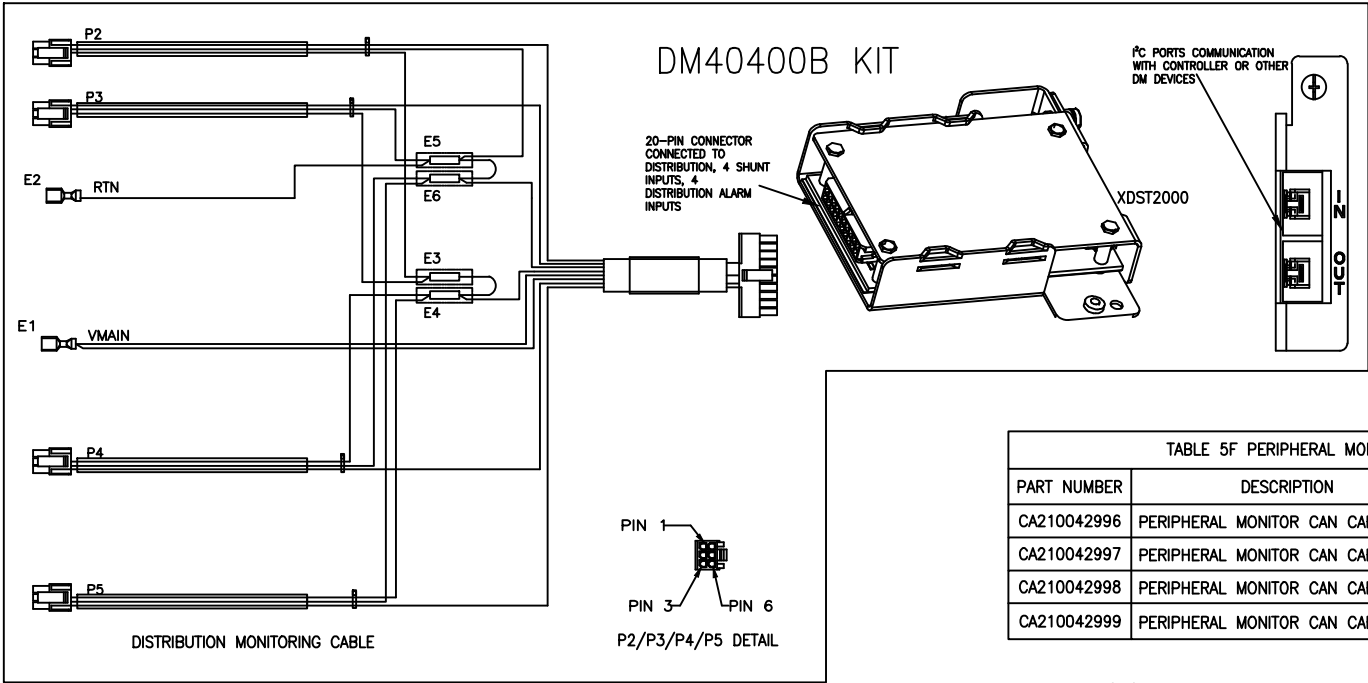
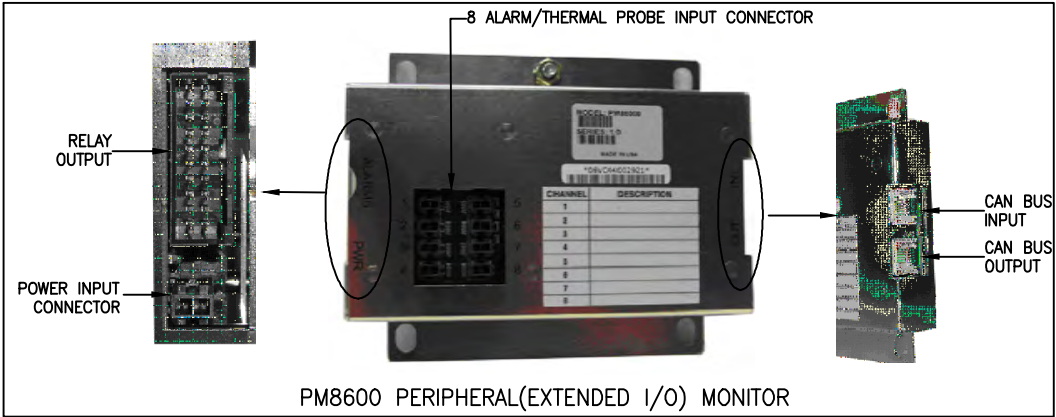
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|----------------------------------------------------------|------------------|-----------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                   |
| ENGINEER<br>Franky Huang                                 | ENG.<br>10–19–14 |                                   |
| DRAFTER<br>FMH                                           | DRAWN            |                                   |
| APPROVED                                                 | IFS              | CAD AUTOCAD                       |
|                                                          |                  | ASSEMBLY DRAWING                  |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE  |
|                                                          |                  | SMARTPACK2 CONTROLLER ACCESSORIES |
|                                                          |                  | DRAWING ISSUE DATE                |
|                                                          |                  | SECTION 5.0–CONTINUED             |
|                                                          |                  | DRAWING NUMBER 2113503            |



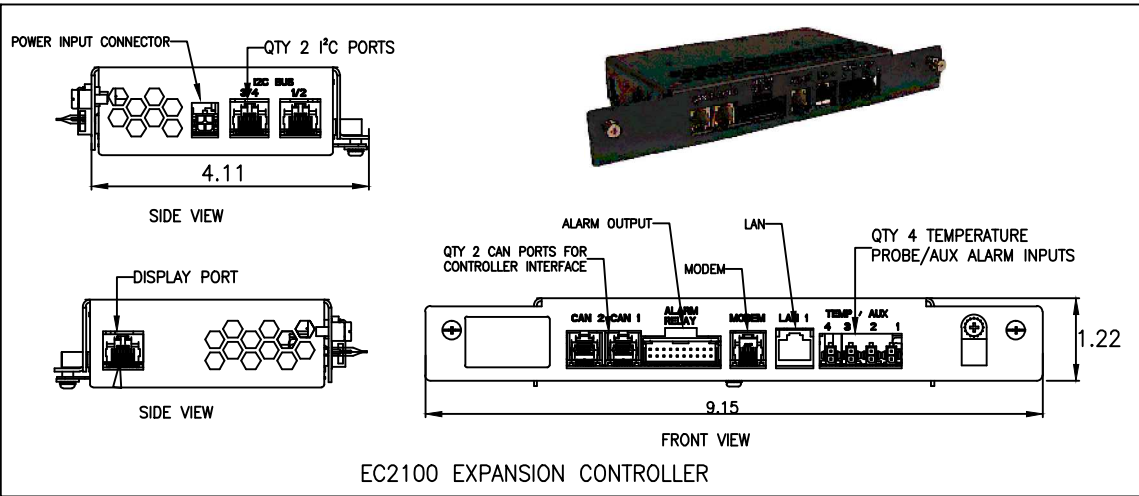
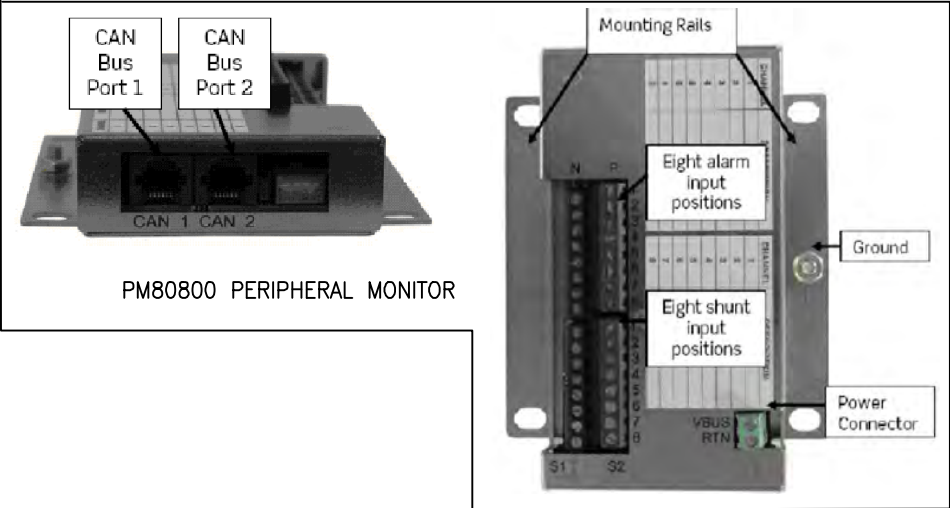
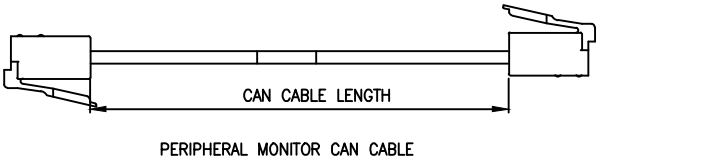
SECTION 5.1 XC CONTROLLER ACCESSORIES

| TABLE 5D CONTROLLER ACCESSORIES |                                                                                                                                                                                                                                                        |                |                                                                                      |            |            |             |                          |                                                                                                      |  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|------------|------------|-------------|--------------------------|------------------------------------------------------------------------------------------------------|--|
| PART NUMBER                     | DESCRIPTION                                                                                                                                                                                                                                            | RELAY OUTPUT   | CONFIGURABLE INPUT                                                                   | WIDTH (IN) | DEPTH (IN) | HEIGHT (IN) | APPROXIMATE WEIGHT (LBS) | NOTE                                                                                                 |  |
| PM86000                         | PERIPHERAL MONITORING<br>IT CAN EXTEND SYSTEM MONITORING BY PROVIDING EIGHT INPUT PORTS (FOR ALARMS OR THERMAL PROBES) AND SIX FORM-C OUTPUT ALARM RELAYS<br>INCLUDING: MONITORING DEVICE, POWER CABLE, 10' CAN CABLE, CAN TERMINATOR AND HARDWARE KIT | 6 RELAY OUTPUT | 8 INPUT PORT FOR ALARMS OR THERMAL PROBES                                            | 5.4        | 4.3        | 1           | 1.5                      | MAX. 16 IN ONE POWER SYSTEM<br>COME WITH 10' CAN CABLE, SEE TABLE 6E FOR DIFFERENT LENGTH CAN CABLES |  |
| PM80800                         | PERIPHERAL MONITOR 8-INPUT 8-SHUNT<br>QTY 8 SHUNT INPUTS: CONFIGURABLE 25 - 100MV; QTY 8 INPUTS: FORM-C OR DIGITAL CONTROL<br>INCLUDING: MONITORING DEVICE, POWER CABLE, 10' CAN CABLE, CAN TERMINATOR AND HARDWARE KIT                                | N/A            | QTY 8 SHUNT INPUTS: CONFIGURABLE 25-100MV<br>QTY 8 INPUTS: FORM-C OR DIGITAL CONTROL | 5.4        | 4.3        | 1           | 1.5                      | MAX. 16 IN ONE POWER SYSTEM<br>COME WITH 10' CAN CABLE, SEE TABLE 6E FOR DIFFERENT LENGTH CAN CABLES |  |
| DM40400B                        | DISTRIBUTION MONITOR KIT, PROVIDING 4 SHUNT INPUTS, 4 FUSE ALARMS INPUTS<br>INCLUDING 1 MONITOR MODULE (XDST2000) AND CABLE KITS                                                                                                                       | N/A            | 4 SHUNT INPUTS, 4 FUSE ALARM INPUTS                                                  |            |            |             | 1                        |                                                                                                      |  |

| TABLE 5E CONTROLLER SPARE PARTS |                                                                                  |                 |                                     |            |            |             |                          |            |      |
|---------------------------------|----------------------------------------------------------------------------------|-----------------|-------------------------------------|------------|------------|-------------|--------------------------|------------|------|
| PART NUMBER                     | DESCRIPTION                                                                      | RELAY OUTPUT    | CONFIGURABLE INPUT                  | WIDTH (IN) | DEPTH (IN) | HEIGHT (IN) | APPROXIMATE WEIGHT (LBS) | CLEI / CPR | NOTE |
| EC2100                          | EXPANSION CONTROLLER<br>IT IS USED IN DISTRIBUTION BAY AS A SLAVE CONTROLLER.    | 6 RELAY OUTPUTS | 4 CONFIGURABLE INPUTS               | 9.15       | 4.11       | 1.22        | 2                        | NO         |      |
| XDST2000                        | MODULE FOR SHUNT MONITORING, MONITOR 4 SHUNTS AND 4 FUSE ALARM INPUTS PER MODULE | N/A             | 4 SHUNT INPUTS, 4 FUSE ALARM INPUTS |            |            |             | 1                        | NO         |      |
| EDSP2100                        | EXPANSION BAY DISPLAY                                                            | N/A             | N/A                                 | N/A        | N/A        | N/A         | 1                        | NO         |      |



| TABLE 5F PERIPHERAL MONITOR CAN CABLES (RJ12 CABLE) |                                   |             |      |
|-----------------------------------------------------|-----------------------------------|-------------|------|
| PART NUMBER                                         | DESCRIPTION                       | LENGTH (FT) | NOTE |
| CA210042996                                         | PERIPHERAL MONITOR CAN CABLE 10'  | 10          |      |
| CA210042997                                         | PERIPHERAL MONITOR CAN CABLE 50'  | 50          |      |
| CA210042998                                         | PERIPHERAL MONITOR CAN CABLE 100' | 100         |      |
| CA210042999                                         | PERIPHERAL MONITOR CAN CABLE 200' | 200         |      |

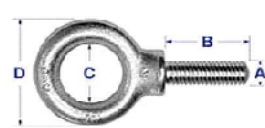


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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|
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| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE                                                                                                                                                             |                  |                                                                                       |
| ENGINEER<br>Franky Huang                                                                                                                                                                                             | ENG.<br>06-12-13 |  |
| DRAFTER<br>FMH                                                                                                                                                                                                       | DRAWN            |                                                                                       |
| APPROVED                                                                                                                                                                                                             | IFS              | CAD AUTOCAD                                                                           |
|                                                                                                                                                                                                                      |                  | ASSEMBLY DRAWING                                                                      |
|                                                                                                                                                                                                                      |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                                                                                                                                                                                                      |                  | XC CONTROLLER ACCESSORIES                                                             |
|                                                                                                                                                                                                                      |                  | DRAWING ISSUE DATE                                                                    |
|                                                                                                                                                                                                                      |                  | SECTION 5.1                                                                           |
|                                                                                                                                                                                                                      |                  | DRAWING NUMBER 2113503                                                                |

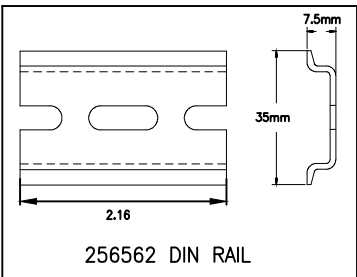


SECTION 5.2 SYSTEM ACCESSORIES

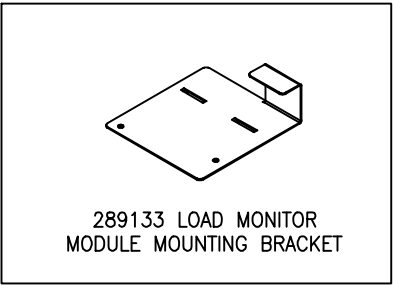
| TABLE 5G SYSTEM ACCESSORIES SELECT IF NECESSARY |                                           |                                       |
|-------------------------------------------------|-------------------------------------------|---------------------------------------|
| PART NUMBER                                     | DESCRIPTION                               | NOTE                                  |
| 210436                                          | 1/2 EYE BOLT                              | EVERY BAY HAS 4 POSITIONS OF EYE BOLT |
| 00067400                                        | FLOOR ANCHOR, HILTI, HSL-3-B M12/25       |                                       |
| 296742                                          | DISTRIBUTION BAY FLOOR PAD INSULATOR      |                                       |
| 256562                                          | DIN RAIL, 35 x 7.5MM, SLOTTED, 54MM WIDE  |                                       |
| 289133                                          | MOUNTING BRACKET FOR LOAD MONITOR MODULE  |                                       |
| SW50                                            | SQUARE WASHER, 1/2" BOLT SIZE             |                                       |
| 335397                                          | TOUCHUP PAINT, KONE GRAY, 120Z, CAN SPRAY |                                       |



- EYE BOLT DETAIL:
- A DIMENSION: 1/2"-13
  - B DIMENSION: 1"
  - C DIMENSION: 1-3/16"
  - D DIMENSION: 2-1/16"



256562 DIN RAIL



289133 LOAD MONITOR  
MODULE MOUNTING BRACKET

| TABLE 5H TORQUE REQUIREMENTS |                    |                    |
|------------------------------|--------------------|--------------------|
| SCREW OR NUT SIZE            | TORQUE IN (IN LBS) | TORQUE IN (FT LBS) |
| 4-40                         | 3.9-4.7            | --                 |
| 6-32                         | 7.6-9              | --                 |
| 8-32                         | 15-18              | --                 |
| 10-32                        | 21-31.2            | --                 |
| 12-24                        | 36-42              | --                 |
| 1/4"-20                      | --                 | 4.25-11            |
| 5/16"-18                     | --                 | 8.33-21            |
| 3/8"-16                      | --                 | 15-38              |
| 1/2"-13                      | --                 | 41.6-85            |
| 5/8"-11                      | --                 | 71-175             |

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UNLESS OTHERWISE SPECIFIED, ALL LINEAR DIMENSIONAL TOLERANCES ARE ±.015

DESCRIPTION OF CHANGE PER ECO NO.  
NEW DRAWING RELEASE

ENGINEER  
Franky Huang

ENG.  
10-13-14

DRAFTER  
FMH

DRAWN

APPROVED

IFS

CAD  
AUTOCAD

ASSEMBLY DRAWING  
SCALABLE DIST. BAY PRODUCT GUIDE  
SYSTEM ACCESSORIES

DRAWING ISSUE DATE

SECTION 5.2

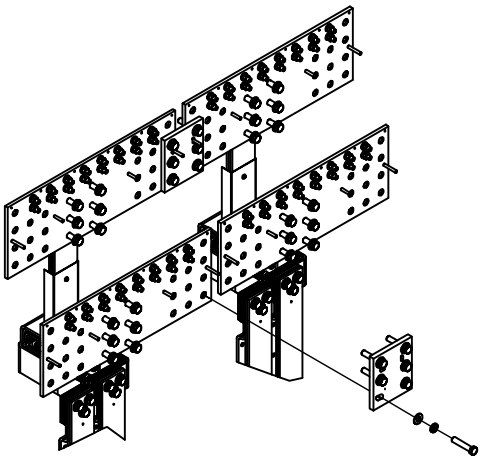
DRAWING NUMBER 2113503

SECTION 6.0 DISTRIBUTION BAY AND RECTIFIER BAY INTERCONNECTION BUSBAR KITS

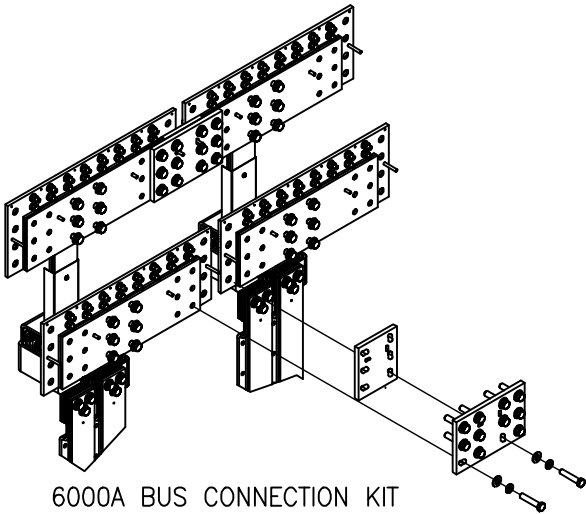
TABLE 6A DISTRIBUTION, SHELF INTERCONNECTION BUSBAR KITS, FOR REFERENCE

| PART NUMBER | DESCRIPTION                                                                                                                                            | CAPACITY (A) | REAR BUS STYLE | CONNECTION BETWEEN      | APPLICABLE REAR BUS STRUCTURE | NOTE |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|-------------------------|-------------------------------|------|
| 252649      | SPS BUS LINK 3KA, QTY 2 (ONE PER POLARITY), 3KA BUS LINKS WITH HARDWARE, FOR REAR BUS STRUCTURE                                                        | 3,000        | REAR           | R – R<br>R – D<br>D – D | B1, B10, B13                  |      |
| 252650      | SPS BUS LINK 6KA, QTY 2 (ONE PER POLARITY), 6KA BUS LINKS WITH HARDWARE, FOR REAR BUS STRUCTURE                                                        | 6,000        | REAR           | R – R<br>R – D<br>D – D | B2, B11, B14                  |      |
| 252651      | SPS BUS LINK 10KA, QTY 2 (ONE PER POLARITY), 10KA BUS LINKS WITH HARDWARE, FOR REAR BUS STRUCTURE                                                      | 10,000       | REAR           | R – R<br>R – D<br>D – D | B3, B12, B15                  |      |
| 293951      | 3KA RECTIFIER BAY TO RECTIFIER BAY RAISED BUS LINK KIT, QTY 3 (TWO FOR HOT, ONE FOR RETURN), FOR RAISED BUS STRUCTURE                                  | 3,000        | RAISED         | R – R                   | B4                            |      |
| 293952      | 3KA RECTIFIER BAY TO DISTRIBUTION BAY OR DISTRIBUTION BAY TO DISTRIBUTION BAY RAISED BUS LINK KIT, QTY 2 (ONE PER POLARITY), FOR RAISED BUS STRUCTURE  | 3,000        | RAISED         | R – D<br>D – D          | B4                            |      |
| 284215      | 6KA RECTIFIER BAY TO RECTIFIER BAY RAISED BUS LINK KIT, QTY 3 (TWO FOR HOT, ONE FOR RETURN), FOR RAISED BUS STRUCTURE                                  | 6,000        | RAISED         | R – R                   | B5                            |      |
| 284216      | 6KA RECTIFIER BAY TO DISTRIBUTION BAY OR DISTRIBUTION BAY TO DISTRIBUTION BAY RAISED BUS LINK KIT, QTY 2 (ONE PER POLARITY), FOR RAISED BUS STRUCTURE  | 6,000        | RAISED         | R – D<br>D – D          | B5                            |      |
| 284217      | 10KA RECTIFIER BAY TO RECTIFIER BAY RAISED BUS LINK KIT, QTY 3 (TWO FOR HOT, ONE FOR RETURN), FOR RAISED BUS STRUCTURE                                 | 10,000       | RAISED         | R – R                   | B6                            |      |
| 284218      | 10KA RECTIFIER BAY TO DISTRIBUTION BAY OR DISTRIBUTION BAY TO DISTRIBUTION BAY RAISED BUS LINK KIT, QTY 2 (ONE PER POLARITY), FOR RAISED BUS STRUCTURE | 10,000       | RAISED         | R – D<br>D – D          | B6                            |      |

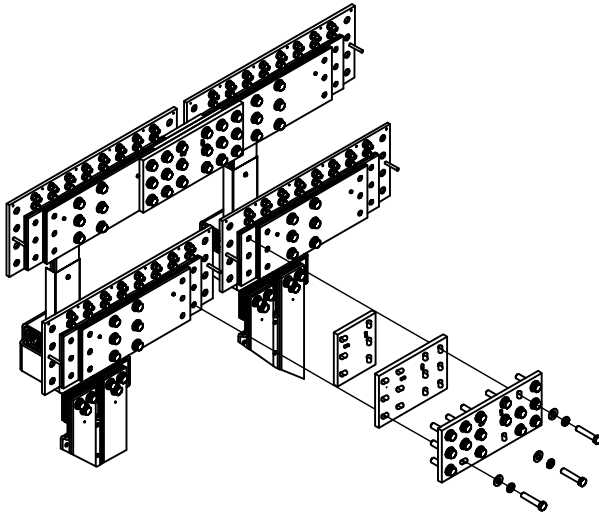
- NOTE:
- 1. INTERCONNECTION BUSBAR LINKS ARE NOT REQUIRED IF THE SYSTEM IS CONNECTED TO THE EXTERNAL OVERHEAD BUS.
  - 2. R STANDS FOR RECTIFIER BAY, D STANDS FOR DISTRIBUTION BAY



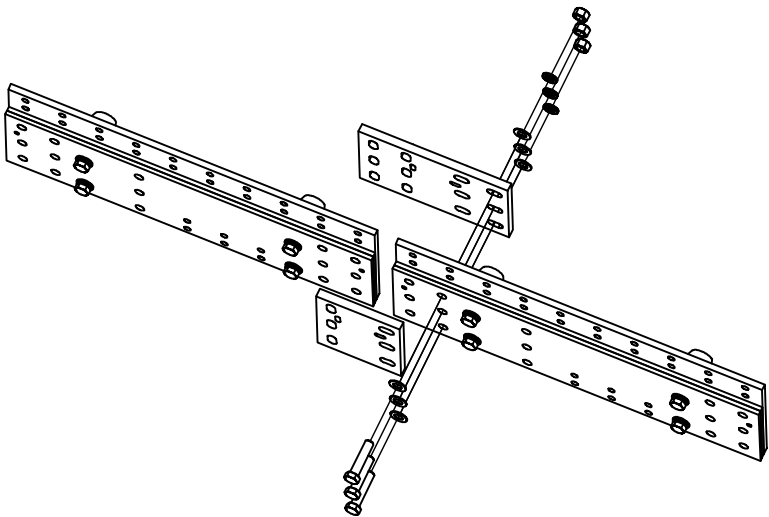
3000A BUS CONNECTION KIT  
FOR REAR BUS STUCTURE



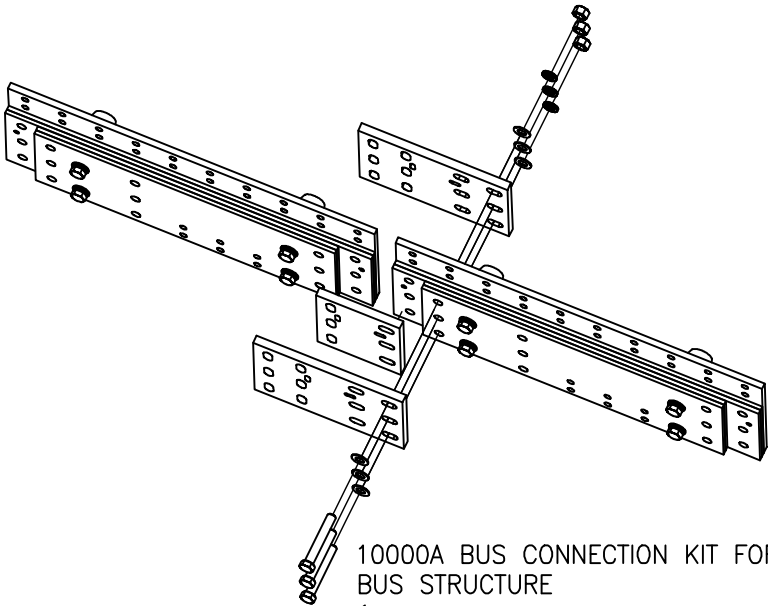
6000A BUS CONNECTION KIT  
FOR REAR BUS STUCTURE



10000A BUS CONNECTION KIT  
FOR REAR BUS STUCTURE



6000A BUS CONNECTION KIT FOR RAISED BUS STRUCTURE  
(ONLY SHOWN THE RAISED BUS SECTION)



10000A BUS CONNECTION KIT FOR RAISED  
BUS STRUCTURE  
(ONLY SHOWN THE RAISED BUS SECTION)

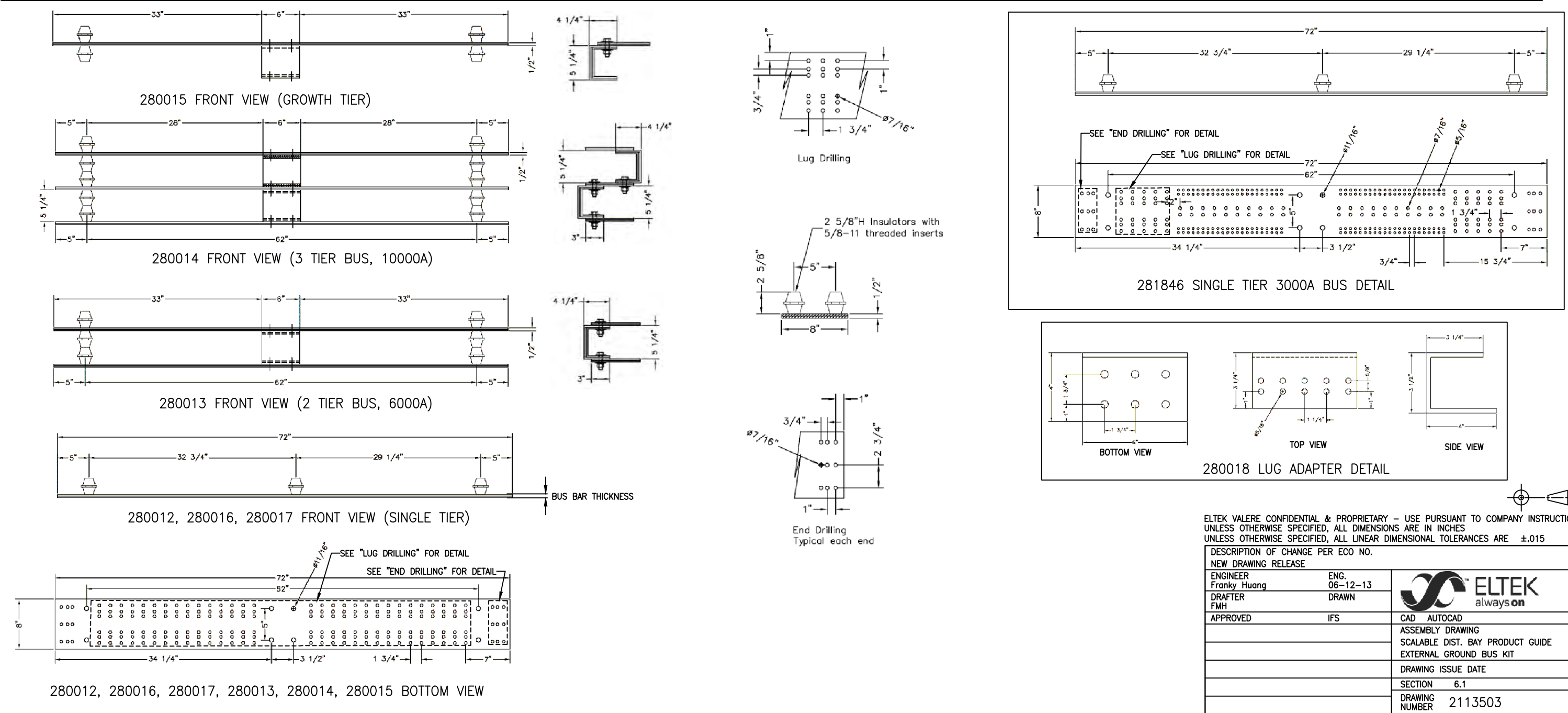
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|                                                          |                  |                                  |
|----------------------------------------------------------|------------------|----------------------------------|
| DESCRIPTION OF CHANGE PER ECO NO.<br>NEW DRAWING RELEASE |                  |                                  |
| ENGINEER<br>Franky Huang                                 | ENG.<br>06-12-13 |                                  |
| DRAFTER<br>FMH                                           | DRAWN            |                                  |
| APPROVED                                                 | IFS              | CAD AUTOCAD                      |
|                                                          |                  | ASSEMBLY DRAWING                 |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE |
|                                                          |                  | INTERCONNECTION BUS KIT          |
|                                                          |                  | DRAWING ISSUE DATE               |
|                                                          |                  | SECTION 6.0                      |
|                                                          |                  | DRAWING NUMBER 2113503           |

SECTION 6.1 EXTERNAL GROUND BUS KITS

TABLE 6B EXTERNAL GROUND BUS KITS

| PART NUMBER | DESCRIPTION                                                                                                                                                                             | CAPACITY (A) | TIERS         | BUSBAR THICKNESS (IN) | LANDING                                                                                                                   | NOTE       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|------------|
| 280012      | 3000A SINGLE TIER BUS ASSEMBLY KIT –OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED                                      | 3000         | SINGLE        | ½"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           |            |
| 280016      | 6000A SINGLE TIER BUS ASSEMBLY KIT– OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED                                      | 6000         | SINGLE        | 1"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           |            |
| 280017      | 10,000A SINGLE TIER BUS ASSEMBLY KIT –OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED                                    | 10000        | SINGLE        | 2"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           |            |
| 280013      | 6000A TWO TIER BUS ASSEMBLY KIT–OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BARS, INTERCONNECTION BUS LINKS, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED              | 6000         | TWO           | ½"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           |            |
| 280014      | 10,000A THREE TIER BUS ASSEMBLY KIT – OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, INTERCONNECTION BUS LINKS, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED         | 10000        | THREE         | ½"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           |            |
| 280015      | 3000A SINGLE TIER BUS ASSEMBLY KIT – ADDITION OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, INTERCONNECTION BUS LINKS, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED | 3000         | GROWTH SINGLE | ½"                    | QTY 60 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS                                                                           | FOR GROWTH |
| 281846      | 3000A, SINGLE TIER BUS ASSEMBLY KIT –OVER HEAD COLLECTION BAR 6FT INCLUDING BUS BAR, ISOLATORS AND ASSEMBLY HARDWARE. HANGING HARDWARE NOT INCLUDED                                     | 3000         | SINGLE        | ½"                    | QTY 20 3/8" HOLES ON BOTH 1" AND/OR 1 3/4" CTRS<br>QTY 20 DEDICATED 3/8" X1" CTRS HOLES<br>QTY 88 1/4" HOLES ON 5/8" CTRS |            |
| 280018      | LUG ADAPTER BUS DETAIL KIT–PROVIDES 5–1/4" ON 5/8" CTRS FOR EXISTING OVER HEAD COLLECTION BAR                                                                                           | 800          | N/A           | ¼"                    | QTY 5 ¼" HOLES ON 5/8" CTRS                                                                                               |            |



SECTION 7.0 CUSTOMER REFERENCE DOCUMENTS

| TABLE 7 CUSTOMER REFERENCE DOCUMENTS |              |                                                                                 |      |
|--------------------------------------|--------------|---------------------------------------------------------------------------------|------|
| NO.                                  | DOCUMENT NO. | DOCUMENT DESCRIPTION                                                            | NOTE |
| 1                                    | 2100952      | QUICK START GUIDE – SCALABLE GEN3 CO                                            |      |
| 2                                    | 2075837      | SCALABLE GEN3 SYSTEMS FLYER                                                     |      |
| 3                                    | 2050732      | SCALABLE POWERPACK RECTIFIER BAY FLYER                                          |      |
| 4                                    | 2056284      | I/O MANUAL – SCALABLE GEN3 CO                                                   |      |
| 5                                    | 350020.013   | USER GUIDE SMARTPACK2 MASTER CONTROLLER                                         |      |
| 6                                    | 2119266      | SCALABLE SYSTEMS DATASHEET (GEN4+)                                              |      |
| 6                                    | 351506.033   | INSTALLATION GUIDE LOAD MONITOR, CAN BUS NODE                                   |      |
| 7                                    | 351509.033   | USER GUIDE I/O MONITOR2 CAN NODE                                                |      |
| 8                                    | 351507.033   | INSTALLATION GUIDE BATTERY MONITOR, CAN BUS NODE                                |      |
| 9                                    | 2040634      | XC2100 GUI MANUAL                                                               |      |
| 10                                   | 2040835      | XC2100 DISPLAY MANUAL                                                           |      |
| 11                                   | 2038771      | INSTALLATION GUIDE PERIPHERAL MONITOR PM80800                                   |      |
| 12                                   | 2040334      | PM86000 INSTALLATION GUIDE                                                      |      |
| 13                                   | 2113503      | SCALABLE DISTRIBUTION BAY PRODUCT GUIDE                                         |      |
| 14                                   | 2110965      | SCALABLE RECTIFIER BAY PRODUCT GUIDE                                            |      |
| 15                                   | 2114073      | I/O MANUAL – SCALABLE CO POWER SYSTEM (W SMARTPACK2)                            |      |
| 16                                   | 350025.013   | UGDE SMARTPACK2 BASIC INDUSTRIAL CONTROLLER                                     |      |
| 17                                   | 370035.013   | USER GUIDE – ELTEK CONTROLLER (SMARTPACK 2, SMARTPACK S, COMPACT) WEB INTERFACE |      |

NOTE: THE ABOVE DOCUMENTS ARE AVAILABLE ONLINE [WWW.ELTEK.SHAREFILE.COM](http://WWW.ELTEK.SHAREFILE.COM)

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| APPROVED                                                 | IFS              | CAD AUTOCAD                                                                           |
|                                                          |                  | ASSEMBLY DRAWING                                                                      |
|                                                          |                  | SCALABLE DIST. BAY PRODUCT GUIDE                                                      |
|                                                          |                  | CUSTOMER REFERENCE                                                                    |
|                                                          |                  | DRAWING ISSUE DATE                                                                    |
|                                                          |                  | SECTION 7.0                                                                           |
|                                                          |                  | DRAWING NUMBER 2113503                                                                |