

**RULES FOR ELECTRIC METER  
& SERVICE INSTALLATIONS**



**Customer Reference Specifications: List of Changes: 2010, 2008**

**Complete List of Changes for Sketches: 2010, 2009, 2008**

**REMSI Rules: List of Changes: 2010**

<b>NOTE 1</b>	All updated sketches have been redrawn for clarity using a new format.
<b>NOTE 2</b>	The 3 phase, 4 wire, 240-single phase 120/240 volts service is now referred to as 3 Phase, 4 Wire, Delta 240/120 Volts.
<b>NOTE 3</b>	Are changing the terms ' meter trough' to 'meter base' and 'meter mounting' to 'meter panel'.

**Sketches 2010**

19	04/07/10 New Sketch
25C	04/30/10 Corrected Format, updated drawings, revised title for clarity, added Detail Box
25D	04/30/10 Corrected Format, updated drawings, revised title for clarity, added Detail Box

**Sketches 2009**

15A	06/24/09 Updated format, rule references and updated drawing
21	06/24/09 Updated format, rule references and updated drawing
60	03/25/09 Corrected Wording in Note J 03/06/09 Added Note J
61	03/25/09 Corrected Wording in Note J 03/06/09 Added Note J
70	03/25/09 Corrected Wording in Note D 03/06/09 Added Note D and expanded from two sheets to three sheets
72	03/25/09 Corrected Wording in Note N 03/06/09 Added Note N
73	03/25/09 Corrected Wording in Note I 03/06/09 Added Note I and expanded from two sheets to three sheets

80	03/25/09 Corrected Wording in Note I 03/06/09 Added Note I
81	03/25/09 Corrected Wording in Note I 03/06/09 Added Note I
82	03/25/09 Corrected Wording in Note I 03/06/09 Added Note I
83	03/25/09 Corrected Wording in Note I 03/06/09 Added Note I

<b>Sketches 2008</b>	
7A	12/05/08 Updated format. Removed Manufacture List (Replaced by Slip Riser Table), changed hole size of Note E and F from 1 – 1" hole to 2 – 1/4" holes
8B	09/17/08 Updated format, rule references and updated drawing
14	09/17/08 Updated format, specified note C is not for PPL EU Cables
14A	12/05/08 Updated format, updated title 09/17/08 Updated format, updated drawing to show 3 fingers
14B	09/17/08 Updated format, specified note C is not for PPL EU Cables
14C	09/17/08 Updated format, and updated drawing
14D	09/17/08 Updated format, and updated drawing
15	09/10/08 Updated format; specified note C is not for PPL EU Cables
15A	09/10/08 Updated format; specified note C is not for PPL EU Cables
25	09/17/08 Updated format and rule references
25A	09/17/08 Updated format and rule references
25B	09/17/08 New Sketch
25C	09/17/08 New Sketch
25D	09/17/08 New Sketch
41	12/05/08 Updated format. Added reference to REMSI rule 12
41A	12/05/08 Updated format. Added reference to REMSI rule 12
41B	12/05/08 Updated format. Added reference to REMSI rule 12

41C	12/05/08 Updated format. Added reference to REMSI rule 12
47	09/10/08 Updated format; added timber option to sketch
49	Updated format; removed Frankel AML Series; revised drawing to show 4 mounting holes
55	12/05/08 Updated format, updated sketch to specify Horizontal Distances between the Electric Meter and the Gas Meter/Regulator/Relief Valve
55A	12/05/08 Updated format, changed title, added Note e and F, added References
60	12/05/08 Changed hole size of Note F and G from 1 - 1" hole to 2 - ¼" holes
61	12/05/08 Changed hole size of Note F and G from 1 - 1" hole to 2 - ¼" holes
71	12/05/08 Added Note 1, added References
72	12/05/08 Added Note M, added References
80	12/05/08 Corrected spelling error, corrected incorrect Reference in the drawing
82	12/05/08 New Sketch
83	12/05/08 New Sketch

## Customer Reference Specifications: List of Changes - 2010

### 6-19-100 Customer Low-Voltage Switchboards Service Cable Terminal Compartment Arrangements and Clearances

- 03/19/10 Sheet 1
  - Made into formal title page, content now starts on Sheet 2.
  - Added statement, specifying CRS 6-19-100 is part of the Rules for Electric Meter and Service Installation (REMSI) Website.
- 03/19/10 Sheet 2
  - Added note 1 – Preapproved List and renumbered notes going forward.
- 03/19/10 Sheet 3
  - In note 6 (previous Note 5) revised to state connectors are of set-screw type, not compression or set-screw as previously stated.
- 03/19/10 Sheet 4
  - In Note 8 (previous Note 7) stated when cable limiters are installed set-screw type bus connectors are not required.
  - Corrected table numbering to Table 1 (previously stated Table 4).
  - Table 2 moved to Sheet 5.
- 03/19/10 Sheet 5
  - Table 4 moved to Sheet 6.
- 03/19/10 Sheet 6
  - Figure 1 moved to Sheet 7.
- 03/19/10 Sheet 7
  - Figure 2 moved to Sheet 8.
- 03/19/10 Sheet 8
  - Figure 3 moved to Sheet 9.
- 03/19/10 Sheet 9
  - Figure 4 moved to Sheet 10.
- 03/19/10 Sheet 10
  - Figure 5 moved to Sheet 11.
  - Added note referring grounding bushings to Note 7 (previously Note 6).
- 03/19/10 Sheet 11
  - Figure 7 moved to Sheet 12 and renumbered to Figure 6.
  - Added note referring grounding bushings to Note 7 (previously Note 6).
- 03/19/10 Sheet 12
  - Previous Sheet 12 deleted - obsolete.
  - Revised dimensions to state 50" (previously 36") required to the side and rear of terminal compartment if access is required.

### **6-15-180 Customer Installed Duct System**

- 03/19/10 Sheet 1
  - Made into formal title page, content now starts on sheet 2.
  - Added statement, specifying CRS 6-15-180 is part of the Rules for Electric Meter and Service Installation (REMSI) Website.
- 03/19/10 Sheet 2
  - Updated wording for consistency, final grade to finished grade.
- 03/19/10 Sheet 4
  - Added language about sweeps to Note 7.
  - Note 9 was note 11 on previous version.
  - All other notes were renumbered accordingly.
- 03/19/10 Sheet 5
  - Added statement to Note 10 that PPL EU will inspect conduit installation prior to being pulled.
  - Added more detail to Note 10 about tamping concrete to ensure conduits are fully encased.
  - Changed title of Note 12 to Pulling Line.
  - Corrected breaking strength of pulling line from 200 to at least 1200 lbs.
  - Added more detail to Note 12 about pulling line requirements.
- 03/19/10 Sheet 6
  - Updated Note References.

### **6-10-165 Requirements for Service to Customer-Owned Street Lighting Systems Served Under Rate Schedule SE**

- 03/19/10 Sheet 1
  - Made into formal title page, content now starts on sheet 2.
  - Added statement, specifying CRS 6-10-165 is part of the Rules for Electric Meter and Service Installation (REMSI) Website.
- 03/19/10 Sheet 2
  - Revised Note 7.
- 03/19/10 Sheet 3
  - Revised Note 14.
- 03/19/10 Sheet 4
  - Revised Support and Support Brackets #1 section to reference REMSI Sketch #47.
  - Revised Identification Section to include pole label information.
- 03/19/10 Sheet 5

- Removed last line of Customer Shall Provide The Following For New Installation #2.
- 03/19/10 Sheet 7
  - Added more detail to first paragraph.
- 03/19/10 Sheet 8
  - Added two notes referenced on sheet marked as \* and \*\*.
- 03/19/10 Sheet 9
  - Added one note referenced on sheet marked as \*.
  - Updated Dimensions.
  - Noted Drawing is Not to Scale.
- 03/19/10 Sheet 10
  - Added one note referenced on sheet marked as \*.
  - Updated Dimensions.
  - Note Drawing is Not to Scale.
- 03/19/10 Sheet 11
  - Note Drawing is Not to Scale.
- 03/19/10 Sheet 12
  - Note Drawing is Not to Scale.
- 03/19/10 Sheet 13
  - Added one note referenced on sheet marked as \*.
  - Updated Dimensions.
  - Note Drawing is Not to Scale.

## **6-09-199 Installation Instructions For 3-Phase, 4 Wire WYE 7,200/12,470V Service Termination and Metering Compartments In Customer-Owned Switchgear**

- 02/03/10 Sheet 1
  - Made into formal title page, content now starts on sheet 2.
  - Added WYE to title for clarification.
  - Added statement, specifying CRS 6-09-199 is part of the Rules for Electric Meter and Service Installation (REMSI) Website.
- 02/03/10 Sheet 2
  - Extended review period of unapproved switchgear and termination compartments from 60 to 90 days
  - Notes Section 1 – updated statement to include Point of Contact Document reference.
- 02/03/10 Sheet 3
  - Notes Section 10 – has been expanded to give more detail on conduit runs.
  - Notes Section 12 – hole in door of termination and metering compartments has been changed from ¼" to ½" to accommodate lockable hasp.
- 02/03/10 Sheet 4
  - Notes Section 15 – detail on PPL EU Phase rotation has been added for clarity.
  - Notes Section 18 – has been added.
  - Notes Section 19 – has been added.
  - Bill of Material Chart has been moved to Sheet 5.
- 02/03/10 Sheet 5
  - Termination Compartment Drawing has been moved to Sheet 6
  - Removed Reference to REMSI Sketch #37, Sketch has been Voided.
- 02/03/10 Sheet 6
  - Metering Compartment Drawing has been moved to Sheet 7.
  - Termination Compartment Drawing-Updated minimum working clear space in front of termination compartment to 9'0" from 5'0".
- 02/03/10 Sheet 7
  - Metering Compartment Drawing-Added references to Note 18 and Note 19.
  - Removed Detail B. Terminal Block is to be attached to Neutral Bar; previously Terminal Block was attached to the side of the Termination Compartment.
  - Updated minimum working clear space in front of metering compartment to 9'0" from 5'0".

## **Customer Reference Specifications: List of Changes - 2008**

### **6-22-187 Installation Instructions for 3-Phase, 200 AMP Switchgear Foundation**

- 11/21/08 New number to follow the standards format and to align current equipment installation requirements to field conditions, Replacing CRS 406C-187 which replaced CRS-1006

### **6-22-197 Installation Instructions for 3-Phase, 600 AMP Switchgear Foundation**

- 11/21/08 New number to follow the standards format and to align current equipment installation requirements to field conditions, Replacing CRS 406C-197 which replaced CRS-1007

### **6-22-198 Installation Instructions for Precast Concrete Foundation for 3-Phase Pad-Mounted Manual or Automatic Source Transfer Switch**

- 11/21/08 New number to follow the standards format and to align current equipment installation requirements to field conditions, Replacing CRS 406C-198

### **6-22-199 PPL EU Ultra Service Park Typical Utility Plan**

- 11/21/08 New number to follow the standards format and to align current equipment installation requirements to field conditions, Replacing CRS 406C-199 which replaced CRS-1008

## **REMSI RULES: List of Changes - 2010**

**Rule 1 – 7/22/10 Sections H and K have been updated**

**Rule 33 – 4/29/10 Added Sections E (Power Quality), F (Harmonics), and G (Harmonics: Criteria to Limit Voltage Distortion Due to Single Customer)**

7/22/2010