

| Residential Service Requirements - Cross Reference Table | | | | | | | | | |
|---|---|-------------------------|---------|---------------|--------------|-----------|---|---|-------------------------|
| Amps | Transformer | Service | Voltage | Metering | POC | DWG /Page | Customer | SLEMCO | Pages |
| Residential Overhead Metering Requirements for a 1-Phase Customer | | | | | | | | | |
| 200 | OH, 1-Phase | OH, 1-Phase | 120/240 | Self Enclosed | Weather head | 1/6 | <u>Secondary</u> <ul style="list-style-type: none"> • Service Mast/Roof Jack • Service entrance conductors (<i>beyond weather head</i>) • Terminate service entrance conductors at source side of meter base • Meter base • Meter base ground wire and ground rod • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Secondary</u> <ul style="list-style-type: none"> • Service cable (<i>up to weather head</i>) • Terminate service cable | 4-5 |
| Residential UG Metering Requirements for Multiple 1-Phase Customers Served from an Existing UG Padmount Transformer/Pedestal | | | | | | | | | |
| 200 | UG, 1-Phase, Padmount /Pedestal, (Existing) | UG, 1-Phase | 120/240 | Self Enclosed | Meter base | 2/12 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>padmount/pedestal to meter base</i>) • Meter base • Meter base ground wire and ground rod • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 7-9 |
| Residential UG Metering Requirements for Multiple 1-Phase Customers Served from a New UG Padmount Transformer | | | | | | | | | |
| 200 | UG, 1-Phase, Padmount, (New) | UG, 1-Phase | 120/240 | Self Enclosed | Meter base | 3/13 | <u>Primary</u> <ul style="list-style-type: none"> • Primary conduit (<i>source to padmount</i>) <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>padmount to meter base</i>) • Meter base • Meter base ground wire and ground rod • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Primary</u> <ul style="list-style-type: none"> • Primary conductors • Terminate primary conductors at padmount • Padmount transformer (<i>associated pad and grounding</i>) • Switch cans (<i>if required</i>) <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 7-9 Primary 10-11 |
| Residential UG Metering Requirements for a 1-Phase Customer Served from an Existing OH Transformer | | | | | | | | | |
| 200 | OH, 1-Phase | UG, 1-Phase | 120/240 | Self Enclosed | Meter base | 4/14 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>weather head to meter base</i>) • Meter base • Meter base ground wire and ground rod • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 7-9 |
| Residential Underground Meter Pole Requirements | | | | | | | | | |
| 200 | UG, 1-Phase, Padmount, (Existing) | UG, 1-Phase, Meter Pole | 120/240 | Self Enclosed | Meter base | 5/19 | <u>Secondary</u> <ul style="list-style-type: none"> • UG Meter pole • Secondary conduit (<i>padmount to meter base</i>) • Meter base • Meter base ground wire and ground rod • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 15-18 |

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| Residential Overhead Meter Pole Requirements | | | | | | | | | |
| 200 | OH, 1-Phase | OH, 1-Phase, Meter Pole | 120/240 | Self Enclosed | Weather head | 6/23 | <u>Secondary</u> <ul style="list-style-type: none"> • OH Meter pole (<i>guying if required</i>) • Service Mast • Service entrance conductors (<i>beyond weather head</i>) • Terminate service entrance conductors at source side of meter base • Meter base • Meter base ground wire and ground rod • Pole ground • Main disconnect (<i>service panel</i>) • Customer conductors (<i>from load side of meter base to main disconnect</i>) • Terminate customer conductors | <u>Secondary</u> <ul style="list-style-type: none"> • Service cable (<i>up to weather head</i>) • Terminate service cable | 20-22 |
| Residential UG CT Metering Requirements for Multiple 1-Phase Customers Served from an Existing UG Padmount Transformer | | | | | | | | | |
| > 200 <=400 | UG, 1-Phase, Padmount, (Existing) | UG, 1-Phase | 120/240 | CT Metering | Disconnect Switch | 9/30 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>padmount to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 26-29 |
| > 400 | UG, 1-Phase, Padmount, (Existing) | UG, 1-Phase | 120/240 | CT Metering | Padmount | 9/30 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors • Secondary conduit (<i>padmount to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | | 26-29 |

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|---|---------------------------------------|----------------|---------|----------------|----------------------|-----------|--|---|--------------------------------------|
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| Residential UG CT Metering Requirements for Multiple 1-Phase Customers Served from a New UG Padmount Transformer | | | | | | | | | |
| > 200 <=400 | UG, 1-Phase, Padmount, (New) | UG, 1-Phase | 120/240 | CT Metering | Disconnect Switch | 10/31 | <u>Primary</u> <ul style="list-style-type: none"> • Primary conduit (<i>source to padmount</i>) <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>padmount to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Primary</u> <ul style="list-style-type: none"> • Primary conductors • Terminate primary conductors at padmount • Padmount transformer (<i>associated pad and grounding</i>) • Switch cans (<i>if required</i>) <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | <u>Primary</u> 10-11 26-29 |
| > 400 | UG, 1-Phase, Padmount, (New) | UG, 1-Phase | 120/240 | CT Metering | Padmount | 10/31 | <u>Primary</u> <ul style="list-style-type: none"> • Primary conduit (<i>source to padmount</i>) <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors • Secondary conduit (<i>padmount to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Primary</u> <ul style="list-style-type: none"> • Primary conductors • Terminate primary conductors at padmount • Padmount transformer (<i>associated pad and grounding</i>) • Switch cans (<i>if required</i>) | <u>Primary</u> 10-11 26-29 |

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| Residential UG CT Metering Requirements for a 1-Phase Customer Served from an Existing OH Transformer Bank | | | | | | | | | |
| > 200 <=400 | OH, 1-Phase | UG, 1-Phase | 120/240 | CT Metering | Disconnect Switch | 11/32 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conduit (<i>weather head to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors • Terminate secondary conductors | 26-29 |
| > 400 | OH, 1-Phase | UG, 1-Phase | 120/240 | CT Metering | Weather head | 11/32 | <u>Secondary</u> <ul style="list-style-type: none"> • Secondary conductors (<i>beyond weather head</i>) • Terminate secondary conductors at load side disconnect switch • Secondary conduit (<i>weather head to CT enclosure</i>) • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Secondary</u> <ul style="list-style-type: none"> • Service cable (<i>up to weather head</i>) • Terminate service cable | 26-29 |
| Residential Overhead CT Metering Requirements for a 1-Phase Customer | | | | | | | | | |
| > 200 | OH, 1-Phase | OH, 1-Phase | 120/240 | CT Metering | Weather head | 12/36 | <u>Secondary</u> <ul style="list-style-type: none"> • Service Mast • Service entrance conductors (<i>beyond weather head</i>) • Terminate service entrance conductors at load side disconnect switch • CT Enclosure (<i>install SLEMCO furnished CT</i>) • Disconnect switch • Install SLEMCO furnished meter base • Conduit between equipment • Metering and main ground wires and ground rods • Customer conductors (<i>from load side of disconnect switch to main disconnects</i>) • Terminate customer conductors • Main disconnects (<i>service panels</i>) | <u>Secondary</u> <ul style="list-style-type: none"> • Service cable (<i>up to weather head</i>) • Terminate service cable | 33-35 |