

ELECTRIC SERVICE SPECIFICATIONS

Published by

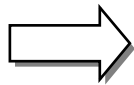
Policies, Procedures and Standards

2008

This book supersedes all previous issues and revisions.

Revisions are indicated by two symbols:

Arrow



or Vertical Bar



These standards are available on-line at:

<http://www.srpnet.com/electric/business/specs/Default.aspx>

Submit questions, comments or suggestions to:

SRP


Manager

Policies, Procedures and Standards

Mail Station XCT317

P.O. Box 52025

Phoenix, AZ 85072-2025

Electric Service Specifications  PROPRIETARY MATERIAL	ELECTRIC SERVICE SPECIFICATIONS	ESS Title 2008.DOC
		ISSUE DATE: 06-30-08 REV. DATE: APPROVAL: DJP
		1

Date: _____

To: Policies, Procedures and Standards

RE: Electric Service Specifications Change of Address Form

If your address has changed and you wish to receive future updates of this manual, please notify SRP by listing your new address below.

Contact Name _____

Title _____

Company / Organization _____

Address _____

Phone _____

E-Mail _____

Previous Company name (if applicable):

Company / Organization _____

To mail: Fold, so that the SRP return address on the back is displayed, tape closed and attach postage.

Or e-mail your address revisions to: David.Poore@srpnet.com

Remember to include previous company name, if applicable.



Policies, Procedures and Standards
Mail Station XCT317
P.O. Box 52025
Phoenix, AZ 85072-2025
Attention: Standards Distribution

Electric Utility Competition/Deregulation Code of Conduct

The Arizona Electric Power Competition Act requires that public power companies establish, implement, monitor and improve a system of operations to prevent anti-competitive activities that could result from SRP providing both competitive and non competitive services to retail electric customers. A Code of Conduct was established that meets or exceeds the required elements of the Electric Power Competition Act.

The Code of Conduct as applied to the “wires” (non-competitive) portion of the business states:

1. No customer will receive any preference or will be discriminated against in the provision of any non-competitive service because of the customer’s choice of supplier for any competitive service.
2. SRP will plan, engineer, construct, operate and maintain its electric distribution system without regard for the commercial origin or ownership of the energy carried by the system. SRP will operate its electric distribution system on the basis of sound utility operating principles and without regard for the commercial origin or ownership of the energy carried by the system.
3. SRP will perform emergency restoration of electric service using sound utility operating principles and without regard for the commercial origin or ownership of the energy carried by the system.
4. SRP will have procedures to limit access to the identity of a customer’s supplier of electricity, metering or billing services on a need-to-know basis.
5. SRP will apply its standards for distribution service equally to all similarly situated customers, regardless of the customer’s supplier of electricity, metering or billing services.
6. SRP will establish service standards for metering and billing services, which apply equally to all similarly situated customers, regardless of the customer’s supplier of electricity, metering and billing services.
7. SRP’s standards and procedures relating to noncompetitive services such as contributions-in-aid-of-construction, special facilities charges and service connections and terminations will preclude preferences or discrimination on the basis of the customer’s choice of supplier of electricity, metering or billing.
8. In processing and resolving customer complaints about distribution service, SRP will not discriminate against or grant any preference to any customer due to the customer’s choice of electricity, metering or billing service provider. (SRP may, however, establish different, non-discriminatory, complaint procedures for handling different types of complaints.)

This Electric Service Specifications (ESS) manual is designed to provide customers and their engineers, architects and contractors with SRP’s general specifications required to obtain service. The ESS Book is the standard for proper customer electric installations and connections to SRP’s electric system. The manual is not a complete set of rules governing the installation of electrical wiring and equipment, but does provide the customer with SRP requirements. Application of these standards and SRP inspections based on these standards will be applied to all projects with no consideration to the customer’s choice of electric service providers.


<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	Reformat	ESS C of C.DOC
	<p>CODE OF CONDUCT</p>	
		<p>ISSUE DATE: 01-18-01</p> <p>REV. DATE: 09-20-06</p> <p>APPROVAL: JWC</p>
		5

TABLE OF CONTENTS

Index (Introductory Section)9

Customer Assistance Information (Introductory Section)15

General InformationSection 1

Service Entrance Section – OverheadSection 2

Service Entrance Section – UndergroundSection 3

Commercial – Types of ServiceSection 4
Includes wells and Customer-owned transformers.

ClearancesSection 5

Trenching and Conduit.....Section 6

Transformers and Pads.....Section 7


Grounding and BondingSection 8

MeteringSection 9

Transmission.....Section 10

MiscellaneousSection 11

- Painting of SRP Equipment
- Underground Service Laterals, Conductor Sizes
- Compaction Requirements
- Contractor-Supplied Material

<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	<p>TABLE OF CONTENTS</p>	<p>ESS TOC.DOC</p> <p>ISSUE DATE: 03-13-07</p> <p>REV. DATE:</p> <p>APPROVAL: DJP</p> <p style="text-align: center;">7</p>
--	--------------------------	--

INDEX

Access to Customer Premises 1-15, 5-12, 5-18, 9-1, 9-2, 9-4, 9-6

Addressing 1-9, 2-13, 3-2, 3-11, 3-12, 3-19, 3-21, 3-22, 9-8,
 9-9, 9-34, 9-35, 9-39, 9-51, 9-54, 9-55, 9-60

Barricades, Equipment Protection..... 5-13, 5-18

Bonding & Grounding..... 2-3, 2-4, 2-6, 3-17, 3-21, 8-1 thru 8-12

Blue Stake 1-1, 3-4, 5-6

Business Office Locations..... 1-2, 1-9, 1-16

Cable TV Installation..... 3-17, 3-18

Character of Service and Limitations 1-17 thru 1-20

City Clearance 1-4, 1-9

Clearance

Around Gas 3-1, 3-7, 3-11, 3-14, 3-17, 5-1, 5-2

Around Other Utilities 3-9, 3-12, 3-18, 5-15

Around Pad Mounted Equipment..... 5-8, 5-9, 5-10, 7-2, 7-5, 7-8

Around Service Panels 1-14, 3-7, 3-17, 3-20, 3-22, 5-18,
 9-37, 9-38, 9-51, 9-52, 9-59, 9-67, 9-70

City of Mesa, Streetlight Around Transformer..... 5-14

Customer Fencing, Equipment or Obstructions

Adjacent to SRP Equipment 5-11 thru 5-14

Dry Landscape Around Pad Mounted Equipment 5-10

Poles & Structures..... 2-26, 5-11

Service Laterals & Distribution Lines 2-3, 2-12, 4-4, 5-3, 5-4

Swimming Pool..... 5-5 thru 5-7

Code of Conduct..... 5

Codes; Safety, Construction 1-6, 1-11, 1-18, 1-20, 2-3, 2-4, 2-13,
 3-4, 3-9, 3-12, 3-17, 5-6, 8-1 thru 8-12

Communication Companies 3-17, 3-18


Compaction Requirements..... 11-3 thru 11-17

Conductor Sizing

Underground Service Laterals 1-24, 3-17, 8-2, 11-2

Conduit Sizing & Specifications

Underground 3-1, 3-5, 3-11, 3-14, 3-17, 6-1 thru 6-4, 8-5

Electric Service Specifications  PROPRIETARY MATERIAL	INDEX LISTED IN ALPHABETICAL ORDER	ESS Index.DOC ISSUE DATE: 06-30-08 REV. DATE: APPROVAL: MLD

INDEX

Conduit Specifications

- Junction Box to Residence (200A Underground) 3-17, 3-18, 9-54, 9-59
- Transformer to Residence (200A Underground) 1-10, 1-18, 2-3, 2-6, 2-8, 2-12, 3-1
- Other.....3-4 thru 3-6, 3-9, 3-11 thru 3-14, 3-21, 3-22,
..... 5-6, 5-7, 6-1 thru 6-4, 7-2, 7-5, 7-8, 9-5, 9-34, 11-2

Conduit & Wire, Size & Identification - Overhead 2-3, 2-4, 2-6, 2-12

Contractor-Supplied Material 11-18 thru 11-90

Customer Devices 4-4, 9-13

Definitions 1-4 thru 1-8

Demand..... 3-11, 9-13

Disconnect, Service, Requirements..... 1-19, 9-7, 9-54, 9-55

Easement 1-10, 4-7, 4-8 5-6, 5-7, 5-10, 5-12, 6-1

Electronic Marker 1-5, 11-41

EMT (Electrical Metallic Tubing) 2-3, 2-8

Enforcement of Specifications 1-15

Equipment Mounting Structures – Customer-Owned..... 2-1, 2-2, 2-12, 4-1

Equipment Protection by Customer 4-4, 4-5, 5-18, 9-7

Erosion Prevention Methods, Enclosures 5-8 thru 5-10

Excavations 3-4, 6-1, Back Cover

Fault Current Tables..... 1-22, 1-23, 3-11, 3-21, 9-7, 9-13, 9-20

Fencing, SRP Equipment 4-4, 4-5, 5-11 thru 5-13, 11-1

Flicker..... 1-17, 1-20

Fuse 1-7, 1-23, 2-13, 3-19, 4-4, 4-5, 9-7, 9-28, 9-31, 9-60

Grounding & Bonding 2-3, 2-4, 2-6, 3-17, 3-21, 8-1 thru 8-12

High Voltage Metering Section 9-60 thru 9-68, 9-70

Horsepower 1-18


Identification

- Meter 1-19, 2-12, 3-7, 3-12, 9-8, 9-9, 9-27
- SRP Employee.....1-16

Inspections 5, 1-1, 1-13, 1-14, 2-2, 2-6, 2-8, 2-12, 3-2, 3-5, 3-7, 6-2

Inspection Jurisdiction Principals 1-13

Interrupting Current Tables..... 1-22, 1-23, 1-24, 3-11, 3-21, 9-7, 9-34

ESS Index.DOC		<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>
ISSUE DATE: 06-30-08	<p>INDEX</p> <p>LISTED IN ALPHABETICAL ORDER</p>	
REV. DATE:		
APPROVAL: MLD		
10		

INDEX

Junction Boxes (J-box)..... 1-4, 1-5, 3-17, 4-6 thru 4-9

Landing Lugs 3-6, 3-7, 3-9, 3-11, 3-12, 3-17, 3-20, 9-23

Lighting, Customer Owned..... 1-15, 4-6, 5-14, 9-10

Limitations of Service..... 1-17 thru 1-20

Load..... 1-5, 1-9 thru 1-11, 1-13, 1-14, 1-17 thru 1-21, 2-4, 2-8, 2-12, 2-13,
 3-4, 3-11, 3-19, 4-1, 4-4, 6-2, 9-7, 9-13,
 9-27, 9-33, 9-34, 9-39, 9-54, 9-61, 11-2

MAG (Maricopa Association of Governments) 7-2, 7-5, 7-8

Meter Box 2-11, 3-19, 9-28, 9-31, 9-51

Meter Pedestal or Post

Enclosed (Commercial Application Only)..... 3-10, 3-11 thru 3-13

General 3-8, 3-9, 9-8, 9-32, 9-33

Underground, Double 3-6

Underground, Single 3-6, 3-9

Meters

400 - 600 Amps, Overhead Meter with Current Transformer 2-11

Addressing - Identification 1-19, 2-12, 3-7, 9-8, 9-9

Clearance From Gas 3-11, 5-16, 9-6

Equipment Responsibility 1-9, 2-2, 2-6, 3-4, 3-9, 3-12, 9-7, 9-13, 9-60

Heights and Working Space..... 3-10, 3-20, 3-21, 5-18, 8-7, 9-3, 9-4, 9-38

Locations..... 1-8, 3-2, 5-16, 8-5, 8-6, 8-8
 9-60 thru 9-62, 9-66, 9-67

Number Per Building 1-18, 3-22, 9-54, 9-55

Personnel Exit Clearance 9-2, 9-4

Rooms For 9-1, 9-2, 9-3, 9-4

Sockets 2-3, 3-2, 3-6, 3-7, 3-14, 3-17, 3-19, 3-20, 4-1, 9-7, 9-9,
 9-10 thru 9-14, 9-23 thru 9-27, 9-34, 9-38, 9-50, 9-51, 9-64, 9-65

Unacceptable Locations 1-9, 9-6

Mule Tape..... 3-1, 6-2


Multiple Metering Installations

0 - 800 Amps With Gutter..... 3-21

201 - 600 Amps, Underground General Service 1-19, 3-20, 3-22


Safety Socket or Safety Test Block 9-13

Multiple Occupancy Buildings, Service To..... 1-19, 3-22

Electric Service Specifications  PROPRIETARY MATERIAL	INDEX LISTED IN ALPHABETICAL ORDER	ESS Index.DOC ISSUE DATE: 06-30-08 REV. DATE: APPROVAL: MLD
		11

INDEX

Outage	1-1, 3-2, 3-4
Pad-Mounted Equipment	
In Watered Areas.....	5-10, 5-12
Near Water Retention Basins	5-9
Pads, Transformer.....	5-8 thru 5-10, 7-1 thru 7-9
Painting of SRP Equipment by Customer	11-1
Permits	1-10, 1-11, 3-2
Phase and Voltage Availability.....	1-17, 1-18, 1-22, 11-2
Phone Numbers	1-1
Point of Attachment	1-6, 1-7, 2-2, 2-3, 2-6, 2-8, 2-12, 4-1, 5-3
Pole Installation (Equipment Mounting Structures - Customer).....	2-2, 2-9, 2-10, 3-5, 4-1
Primary Metering	9-60, 9-70
Public Utility Easement (P.U.E.)	1-6, 3-1, 4-7, 4-8, 5-6, 5-7, 5-12, 6-1
Pull Boxes	3-19, 3-21, 3-22, 9-52 thru 9-59
Pumping Installations, Well Site Requirements	4-3 thru 4-5
Rate Schedules	1-16, 2-3, 3-2, 3-4
Request for Service.....	1-9 thru 1-16, 3-9, 3-12
Revamp of Existing Facilities.....	1-9, 1-11, 1-18, 1-19, 3-4, 3-18, 5-6, 5-7, 9-8
Right of Way (R.O.W.)	1-7, 1-14, 3-1, 5-3, 6-1
Riser.....	1-18, 2-3, 2-4, 2-6, 2-8, 2-12, 3-4, 3-5, 3-14,3-17, 3-21, 4-5, 6-2, 8-5 thru 8-7, 9-28, 9-31, 9-34
Seals - SRP.....	1-14, 2-13, 3-7, 3-9, 3-11, 3-12, 3-19, 3-21,9-5, 9-28, 9-31, 9-37, 9-51, 9-57, 9-65
Secondary	1-4 thru 1-6, 1-22, 1-23, 6-1, 6-2, 9-5, 9-13, 9-35, 9-60
Service Entrance Installation, Overhead.....	1-17 thru 1-20, 2-3 thru 2-12
Service Entrance Section	
Jurisdiction Principals (see Inspection Jurisdiction)	
Overhead to Underground Conversion.....	3-18
Underground, All-in-One, (225 Amps Max.)	3-17
Underground, All-in-One, Semi-Flush (225 Amps Max.)	3-14
Underground / Overhead Combination	2-3, 3-17
320 Class.....	9-51

ESS Index.DOC		
ISSUE DATE: 06-30-08	INDEX	Electric Service Specifications 
REV. DATE:	LISTED IN ALPHABETICAL ORDER	
APPROVAL: MLD		
12		PROPRIETARY MATERIAL

INDEX

Service Laterals

- Conductor Size (Underground)..... 3-17, 11-2
- Conduit Size (Underground)..... 6-2
- Multiple Occupancy 1-17

Service Pole, Overhead 1-16, 2-2, 2-11, 2-12, 3-5, 4-1, 4-4, 5-3, 9-6

Service Riser, Location/Bracing 2-3, 2-6, 2-8, 2-12, 3-1, 3-5, 3-14

Short Circuit Table (see Fault Current)

Stand-by Generator 1-21

Starting Currents..... 1-20

Street Lights, Customer-Owned..... 4-6, 5-14

Switchboards, General Information8-4, 9-34 thru 9-39

Temporary Service Device3-2, 3-3

Temporary Service

- Overhead 1-7, 1-11, 1-18
- Temporary Meter (Service) Device 1-7, 3-2, 3-3
- Underground 1-7, 1-11, 1-18, 2-2, 3-1, 3-2, 3-7

Terminations, Switchboard Pull Section9-34, 9-55 thru 9-59

Transformer 1-18, 1-19, 1-22 thru 1-24 3-9, 4-4, 4-5, 5-7, 5-14, 9-6

Transformer Pad..... 5-8 thru 5-13, 7-1 thru 7-9

Transformer Switch Requirements.....2-13, 3-19, 9-13, 9-34, 11-1

Trench, Joint With Gas 5-1, 5-2


Unmetered Services 1-15, 9-5, 9-27

Voltage 1-9, 1-17, 1-20, 5-3, 5-5, 7-1, 7-2, 7-5, 7-8

.....9-10, 9-35, 9-60 thru 9-62, 9-66, 9-67


Well Sites, Customer-Owned

- Overhead 4-3, 4-4
- Underground 4-5

<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	<p>INDEX</p> <p>LISTED IN ALPHABETICAL ORDER</p>	<p>ESS Index.DOC</p> <p>ISSUE DATE: 06-30-08</p> <p>REV. DATE:</p> <p>APPROVAL: MLD</p>
	<p>13</p>	
	<p>13</p>	

RESIDENTIAL OVERHEAD SERVICES
UP TO 225 AMP

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices.....	1-1
2.	Fault Current Tables.....	1-22 thru 1-24
3.	Request for Service.....	1-9 thru 1-16
4.	General	
	Equipment Mounting.....	2-1 thru 2-2
	Requirements for Overhead Services.....	2-3 thru 2-12
5.	Clearances	
	Service Laterals.....	5-3 thru 5-4
	Pools.....	5-5
	SES Equipment Locations.....	5-16 thru 5-17
	Heights and Working Space.....	5-18
6.	Grounding and Bonding.....	8-1 thru 8-3, 8-12
7.	Equipment Location.....	9-1, 9-6
8.	Service Disconnect Requirements.....	9-7
9.	Addressing and Identification.....	9-8 thru 9-9
10.	Self-Contained Meter Sockets.....	9-10 thru 9-12
11.	Equipment Responsibility.....	9-13 thru 9-14
12.	Pre-Approved Meter Sections, 225 Amp and Below.....	9-15 thru 9-18


<p>Electric Service Specifications</p>  <p>SRP[®]</p> <p>PROPRIETARY MATERIAL</p>	<p>CUSTOMER ASSISTANCE INFORMATION RESIDENTIAL OVERHEAD SERVICES UP TO 225 AMP</p>	<p>ESS ROS To 225.DOC</p> <p>ISSUE DATE: 03-24-05</p> <p>REV. DATE: 03-12-08</p> <p>APPROVAL: M.Dyer</p>
		<p>15</p>

RESIDENTIAL OVERHEAD SERVICES
ABOVE 225 AMP

TOPIC	ESS PAGE(S)
1. SRP Phone Numbers and Business Offices	1-1
2. Request for Service	1-8 thru 1-16
3. Fault Current Tables	1-22 thru 1-24
4. General	
Equipment Mounting	2-1 thru 2-2
Requirements for Overhead Services	2-3 thru 2-12
5. Clearances	
Service Laterals	5-3 thru 5-4
Pools	5-5
SES Equipment Locations.....	5-16 thru 5-17
Heights and Working Space.....	5-18
6. Grounding	8-1 thru 8-3, 8-5
7. Equipment Location	9-1, 9-6
8. Service Disconnect Requirements	9-7
9. Addressing and Identification	9-8 thru 9-9
10. Self-Contained Meter Sockets	9-10 thru 9-12
11. Equipment Responsibility	9-13 thru 9-14
12. Pre-Approved Class 320 Service Entrance Sections.....	9-19 thru 9-22


NOTES

1. Customer is required to supply Shop Drawings for the following Service Entrance Sections:
 - A. Non-Pre-Approved 320 amp
 - B. All 400 amp and above
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).

ESS ROS Above 225.DOC	CUSTOMER ASSISTANCE INFORMATION RESIDENTIAL OVERHEAD SERVICES ABOVE 225 AMP	Electric Service Specifications 
ISSUE DATE: 03-24-05		
REV. DATE: 03-12-08		
APPROVAL: M.Dyer		
16		<i>PROPRIETARY MATERIAL</i>

RESIDENTIAL UNDERGROUND SERVICES
UP TO 225 AMP

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices.....	1-1
2.	Request for Service.....	1-9 thru 1-16
3.	Fault Current Tables.....	1-22 thru 1-24
4.	General	
	Requirements for Underground Services.....	3-4, 3-5, 3-14, 3-16 thru 3-18
5.	Clearances	
	Joint Trench.....	5-2
	Pools	5-5 thru 5-7
	Landscape.....	5-10
	Equipment Installations.....	5-11 thru 5-13
	Underground Utilities	5-15
	SES Equipment Locations	5-16 thru 5-17
	Heights and Working Space	5-18
6.	Trenching	6-1
7.	Conduit.....	6-2 thru 6-4
8.	Grounding	8-1 thru 8-3, 8-8, 8-11
9.	Equipment Location.....	9-1, 9-6
10.	Service Disconnect Requirements.....	9-7
11.	Addressing and Identification	9-8 thru 9-9
12.	Self-Contained Meter Sockets.....	9-10 thru 9-12
13.	Equipment Responsibility	9-13 thru 9-14
14.	Pre-Approved Meter Sections, 225 Amp and Below	9-15 thru 9-18


<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	<p>CUSTOMER ASSISTANCE INFORMATION RESIDENTIAL UNDERGROUND SERVICES UP TO 225 AMP</p>	<p>ESS RUS To 225.DOC</p> <p>ISSUE DATE: 03-24-05</p> <p>REV. DATE: 03-12-08</p> <p>APPROVAL: M.Dyer</p>
		17

RESIDENTIAL UNDERGROUND SERVICES
ABOVE 225 AMP

TOPIC	ESS PAGE(S)
1. SRP Phone Numbers and Business Offices	1-1
2. Request for Service	1-9 thru 1-16
3. Fault Current Tables	1-22 thru 1-24
4. General	
Requirements for Underground Services	3-4 thru 3-5, 3-19
5. Clearances	
Joint Trench	5-2
Pools	5-5 thru 5-7
Landscape	5-10
Equipment Installations	5-11 thru 5-13
Underground Utilities.....	5-15
SES Equipment Locations.....	5-16 thru 5-17
Heights and Working Space.....	5-18
6. Trenching.....	6-1
7. Conduit	6-2 thru 6-4
8. Grounding	8-1 thru 8-6, 8-8, 8-11
9. Equipment Location	9-1, 9-6
10. Service Disconnect Requirements	9-7
11. Addressing and Identification	9-8 thru 9-9
12. Self-Contained Meter Sockets	9-10 thru 9-12
13. Equipment Responsibility	9-13 thru 9-14
14. Pre-Approved Class 320 Service Entrance Sections.....	9-19 thru 9-22

NOTES

1. Customer is required to supply Shop Drawings for the following Service Entrance Sections:
 - A. Non-Pre-Approved 320 amp
 - B. All 400 amp and above
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).


ESS RUS Above 225.DOC		
ISSUE DATE: 03-24-05	CUSTOMER ASSISTANCE INFORMATION RESIDENTIAL UNDERGROUND SERVICES ABOVE 225 AMP	Electric Service Specifications 
REV. DATE: 03-12-08		
APPROVAL: MI.Dyer		
18		<i>PROPRIETARY MATERIAL</i>

UNDERGROUND TEMPORARY SERVICES

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices	1-1
2.	Request for Service	1-9 thru 1-16
3.	Fault Current Tables	1-22 thru 1-24
4.	General	
	Temporary Underground Services	3-1
	Residential UG Temporary Device	3-2 thru 3-3
	Permanent Residential Section Used for Temporary Power	3-3.1 thru 3-3.2
	Requirements for Underground Services	3-4 thru 3-5, 3-14, 3-16 thru 3-17, 3-19, 3-21, 3-23
5.	Clearances	
	Joint Trench	5-1 thru 5-2
	Pools	5-6 thru 5-7
	Underground Utilities	5-15
	SES Equipment Locations	5-16 thru 5-17
	Heights and Working Space	5-18
6.	Trenching	6-1
7.	Conduit	6-2 thru 6-4
8.	Grounding	8-1 thru 8-6, 8-8, 8-11
9.	Equipment Location	9-1, 9-6
10.	Service Disconnect Requirements	9-7
11.	Addressing and Identification	9-8 thru 9-9
12.	Self-Contained Meter Sockets	9-10 thru 9-12
13.	Equipment Responsibility	9-13 thru 9-14
14.	Pre-Approved Meter Sections, 225 Amp and Below	9-15 thru 9-16
15.	Pre-Approved Class 320 Service Entrance Sections	9-19 thru 9-22
16.	Pre-Approved Meter Sections, Meter Pedestals	9-23 thru 9-25
17.	Metering	9-27 thru 9-33


NOTES

1. Customer is required to supply Shop Drawings for the following Service Entrance Sections:
 - A. Non-Pre-Approved 320 amp
 - B. All 400 amp and above
 - C. Non-Pre-Approved Meter pedestals (single or double)
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).

Electric Service Specifications  PROPRIETARY MATERIAL	CUSTOMER ASSISTANCE INFORMATION UNDERGROUND TEMPORARY SERVICES	ESS UG Temp Svc.DOC ISSUE DATE: 03-24-05 REV. DATE: 03-12-08 APPROVAL: M.Dyer

COMMERCIAL OVERHEAD SERVICES
UP TO 225 AMP

TOPIC	ESS PAGE(S)
1. SRP Phone Numbers and Business Offices	1-1
2. Request for Service	1-9 thru 1-16
3. Fault Current Tables	1-22 thru 1-24
4. General	
Equipment Mounting	2-1 thru 2-2
Requirements for Overhead Services	2-3 thru 2-12
5. Commercial Mounting Structures	4-1 thru 4-2
6. Clearances	
Service Laterals	5-3 thru 5-4
Pools	5-5
SES Equipment Locations.....	5-16 thru 5-17
Heights and Working Space.....	5-18
7. Grounding	8-1 thru 8-3, 8-7 thru 8-8
8. Equipment Location	9-1, 9-6
9. Service Disconnect Requirements	9-7
10. Addressing and Identification	9-8 thru 9-9
11. Self-Contained Meter Sockets	9-10 thru 9-12
12. Pre-Approved Meter Sections, 225 Amp and Below.....	9-15 thru 9-18
13. Metering.....	9-27 thru 9-33


ESS COS To 225.DOC		
ISSUE DATE: 03-24-05	CUSTOMER ASSISTANCE INFORMATION COMMERCIAL OVERHEAD SERVICES UP TO 225 AMP	Electric Service Specifications 
REV. DATE: 03-12-08		
APPROVAL: M.Dyer		
20		<i>PROPRIETARY MATERIAL</i>

COMMERCIAL OVERHEAD SERVICES
400 AMP AND ABOVE

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices.....	1-1
2.	Request for Service.....	1-9 thru 1-16
3.	Fault Current Tables.....	1-22 thru 1-24
4.	General	
	Equipment Mounting.....	2-1 thru 2-2
	Requirements Overhead Services	2-3 thru 2-12
5.	Commercial Mounting Structures	4-1 thru 4-2
6.	Clearances	
	Service Laterals.....	5-3 thru 5-4
	Pools	5-5
	SES Equipment Locations	5-16 thru 5-17
	Heights and Working Space	5-18
7.	Grounding	8-1 thru 8-5
8.	Equipment Location.....	9-1, 9-6
9.	Service Disconnect Requirements.....	9-7
10.	Addressing and Identification	9-8 thru 9-9

NOTES


1. Customer is required to supply Shop Drawings for all 400 amp and above Service Entrance Sections.
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).

<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	<p>CUSTOMER ASSISTANCE INFORMATION COMMERCIAL OVERHEAD SERVICES 400 AMP AND ABOVE</p>	<p>ESS COS 400 & Up.DOC</p> <p>ISSUE DATE: 03-24-05</p> <p>REV. DATE: 03-12-08</p> <p>APPROVAL: M.Dyer</p>
		21

COMMERCIAL UNDERGROUND SERVICES

UP TO 225 AMP

TOPIC	ESS PAGE(S)
1. SRP Phone Numbers and Business Offices	1-1
2. Request for Service	1-9 thru 1-16
3. Fault Current Tables	1-22
4. General	
Requirements for Underground Services	3-4 thru 3-5, 3-14, 3-16 thru 3-19, 3-23
5. Commercial Mounting Structures	4-1
6. Clearances	
Pools	5-6 thru 5-7
Landscape	5-10
Equipment Installations	5-11 thru 5-13
Underground Utilities.....	5-15
SES Equipment Locations.....	5-16 thru 5-17
Heights and Working Space.....	5-18
7. Trenching.....	6-1
8. Conduit	6-2 thru 6-4
9. Grounding	8-1 thru 8-3, 8-8
10. Equipment Location	9-1, 9-6
11. Service Disconnect Requirements	9-7
12. Addressing and Identification	9-8 thru 9-9
13. Self-Contained Meter Sockets	9-10 thru 9-12
14. Equipment Responsibility	9-13 thru 9-14
15. Pre-Approved Meter Sections, 225 Amp and Below.....	9-15 thru 9-18
16. Metering.....	9-27 thru 9-33


ESS CUS To 225.DOC		
ISSUE DATE: 03-24-05	CUSTOMER ASSISTANCE INFORMATION COMMERCIAL UNDERGROUND SERVICES UP TO 225 AMP	Electric Service Specifications 
REV. DATE: 03-12-08		
APPROVAL: M.Dyer		
22		<i>PROPRIETARY MATERIAL</i>

COMMERCIAL UNDERGROUND SERVICES
400 AMP AND ABOVE

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices.....	1-1
2.	Request for Service.....	1-9 thru 1-16
3.	Fault Current Tables.....	1-22 thru 1-24
4.	General	
	Requirements for Underground Services.....	3-4 thru 3-5, 3-19, 3-21, 3-23
5.	Commercial Mounting Structures	4-1 thru 4-2
6.	Clearances	
	Pools	5-6 thru 5-7
	Landscape.....	5-10
	Equipment Installations.....	5-11 thru 5-13
	Underground Utilities	5-15
	SES Equipment Locations	5-16 thru 5-17
	Heights and Working Space	5-18
7.	Trenching	6-1
8.	Conduit.....	6-2 thru 6-4
9.	Grounding	8-1 thru 8-6
10.	Equipment Location.....	9-1 thru 9-6
11.	Service Disconnect Requirements.....	9-7
12.	Addressing and Identification	9-8 thru 9-9

NOTES

1. Customer is required to supply Shop Drawings for all 400 amp and above Service Entrance Sections.
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).


<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>	<p>CUSTOMER ASSISTANCE INFORMATION COMMERCIAL UNDERGROUND SERVICES 400 AMP AND ABOVE</p>	<p>ESS CUS 400 & Up.DOC</p> <p>ISSUE DATE: 03-24-05</p> <p>REV. DATE: 03-12-08</p> <p>APPROVAL: M.Dyer</p>
		<p>23</p>

OVERHEAD TEMPORARY SERVICES

TOPIC	ESS PAGE(S)
1. SRP Phone Numbers and Business Offices	1-1
2. Request for Service	1-9 thru 1-16
3. Fault Current Tables	1-22 thru 1-24
4. General	
Equipment Mounting	2-1 thru 2-2
Requirements for Overhead Services	2-3 thru 2-12
5. Commercial Mounting Structures	4-1 thru 4-2
6. Clearances	
Service Laterals	5-3 thru 5-4
Pools	5-5
SES Equipment Locations.....	5-16 thru 5-17
Heights and Working Space.....	5-18
7. Grounding	8-1 thru 8-5, 8-7
8. Equipment Location	9-1, 9-6
9. Service Disconnect Requirements	9-7
10. Addressing and Identification	9-8 thru 9-9
11. Self-Contained Meter Sockets	9-10 thru 9-12
12. Equipment Responsibility	9-13 thru 9-14
13. Pre-Approved Class 320 Service Entrance Sections.....	9-19 thru 9-22
14. Metering.....	9-27 thru 9-33

NOTES

1. Customer is required to supply Shop Drawings for the following Service Entrance Sections:
 - A. Non-Pre-Approved 320 amp
 - B. All 400 amp and above
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).


ESS OH Temp Svcs.DOC ISSUE DATE: 03-24-05 REV. DATE: 03-12-08 APPROVAL: M.Dyer	CUSTOMER ASSISTANCE INFORMATION OVERHEAD TEMPORARY SERVICES	Electric Service Specifications  PROPRIETARY MATERIAL
24		

MULTI-METERED SERVICES

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices	1-1
2.	Request for Service	1-9 thru 1-16
3.	Fault Current Tables	1-22 thru 1-24
4.	General	
	Requirements for Overhead Services	2-3 thru 2-12
	Requirements Underground Services	3-4 thru 3-5, 3-20 thru 3-22
5.	Clearances	
	Joint Trench	5-1 thru 5-2
	Service Laterals	5-3 thru 5-4
	Pools	5-5 thru 5-7
	Landscape	5-10
	Equipment Installations	5-11 thru 5-13
	Underground Utilities	5-15
	SES Equipment Locations	5-16 thru 5-17
	Heights and Working Space	5-18
6.	Trenching	6-1
7.	Conduit	6-2 thru 6-4
8.	Grounding	8-1 thru 8-2, 8-9 thru 8-10
9.	Equipment Location	9-1, 9-6
10.	Service Disconnect Requirements	9-7
11.	Addressing and Identification	9-8 thru 9-9
12.	Self-contained Meter Sockets	9-10 thru 9-12
13.	Equipment Responsibility	9-13 thru 9-14

NOTES

1. Customer is required to supply Shop Drawings for all 400 amp and above Service Entrance Sections.
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).


Electric Service Specifications  PROPRIETARY MATERIAL	CUSTOMER ASSISTANCE INFORMATION MULTI-METERED SERVICES	ESS Multi-Metered Svcs.DOC ISSUE DATE: 03-22-05 REV. DATE: 03-12-08 APPROVAL: M.Dyer
		25

UNDERGROUND METER PEDESTALS

	TOPIC	ESS PAGE(S)
1.	SRP Phone Numbers and Business Offices	1-1
2.	Request for Service	1-9 thru 1-16
3.	Fault Current Tables	1-22 thru 1-24
4.	General	
	Requirements, Underground Services	3-4 thru 3-14
5.	Clearances	
	Joint Trench	5-1 thru 5-2
	Pools	5-6 thru 5-7
	Landscape	5-10
	Equipment Installations	5-11 thru 5-13
	Underground Utilities.....	5-15
	SES Equipment Locations.....	5-16 thru 5-17
	Heights and Working Space.....	5-18
6.	Trenching.....	6-1
7.	Conduit	6-2 thru 6-4
8.	Grounding	8-1 & 8-2
9.	Equipment Location	9-1, 9-6
10.	Service Disconnect Requirements	9-7
11.	Addressing and Identification	9-8 thru 9-9
12.	Self-contained Meter Sockets	9-10 thru 9-12
13.	Equipment Responsibility	9-13 thru 9-14
14.	Pre-Approved Meter Sections, Meter Pedestals.....	9-23 & 9-25

NOTES

1. Customer is required to supply Shop Drawings for Service Entrance Sections with Non-Pre-Approved Meter pedestals (single or double).
2. Send Shop Drawings to: shopdraw@srpnet.com (PDF files are preferred).

ESS UG Meter Pedestals.DOC	<p>CUSTOMER ASSISTANCE INFORMATION</p> <p>UNDERGROUND METER PEDESTALS</p>	<p>Electric Service Specifications</p>  <p>PROPRIETARY MATERIAL</p>
ISSUE DATE: 03-24-05		
REV. DATE: 03-12-08		
APPROVAL: M.Dyer		
26		