

2026 SERVICE FIELD MAINTENANCE ONLY

Historical Record: 09/25/2026
External Version



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DISCLAIMER & CONTACTS

SUMMARY OF CHANGES

SET UP "SYNC" BY CLICKING [HERE](#)

THIS WILL DOWNLOAD THE MANUALS IN THE BACKGROUND, WHICH WILL ENABLE YOU TO EASILY OPEN THE MANUAL IN THE APPROVED PROGRAMS: ACROBAT READER OR BLUEBEAM.

ATTENTION:

- The contents held within this book are for field maintenance only. Every effort should be made, when possible, to upgrade to current standards.
- Due to the age of the documentation, this book is not a 100% search-able currently. This may be resolved later.

IF YOU HAVE ANY QUESTIONS REGARDING THE CONTENT OF THESE MANUALS, PLEASE EMAIL
CONSTRUCTIONSTANDARDSADMINISTRATORS@SEMPRAUTILITIES.COM OR CONTACT:

MANUAL	CONTACT	EMAIL ADDRESS	PHONE
Electric Distribution Design Manual	Fidel Castro	FRCastro@sdge.com	(858) 654-1607
Overhead Construction Standards	Mike Forchette	mforchette@sdge.com	(619) 244-7495
Service Standards & Guide	Jennifer Mann	jmann@sdge.com	(858) 636-3941
Electric Vehicle Supply Equipment Standards	Jennifer Mann	jmann@sdge.com	(858) 636-3941
Underground Construction Standards	Eddie Alcobia	ealcobia@sdge.com	(619) 574-4988
Electric Standard Practices	Joey Kucharyski	jkucharyski@sdge.com	(760) 566-5919
Tool Catalog	Roy Guilao	rguilao@sdge.com	(760) 672-6211

SUMMARY OF CHANGES

DATE	STANDARD PAGES	QTY	FILE NAME
1/22/2021	NEW PUBLICATION	1	SGFMO2021v0122.pdf
2/19/2021	301, 308	2	SGFMO2021v0219.pdf
1/21/2022	COVER PAGE	1	SGFMO2022v0121.pdf
1/20/2023	COVER PAGE, DISCALIMER	2	SGFMO2023v0120.pdf
11/22/2024	COVER PAGE, DISCLAIMER, 601, 604	4	SGFMO2024v1122.pdf
1/23/2026	301, 307	2	SGFMO2026v0123.pdf
9/25/2026	701, 707	2	SGFMO2026v0925.pdf

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INFORMATION

000 - GENERAL
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100 - RESIDENTIAL,
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200 - CUSTOMER-OWNED
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300 - UNDERGROUND
ELECTRIC SERVICE

300 - UNDERGROUND
ELECTRIC SERVICE

SUBJECT

307

SAFETY OVERFLOW FITTING FOR INDOOR USE ONLY ON WALL-MOUNTED SERVICE EQUIPMENT

308

CONDUIT SEALING

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C	SG307 MOVED TO FMO	YZZ	JTM	JTM	JJP	12/11/2025	F						
B	SG308 MOVED TO FMO	EDM	JIK	IPJ	CZH	02/08/2021	E						
A	ORIGINAL ISSUE	EDM	JIK	--	--	01/01/2021	D						

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SDG&E ELECTRIC SERVICE FIELD MAINTENANCE ONLY STANDARDS & GUIDES

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FMO
SG301.1

SG307 FIELD MAINTENANCE ONLY

ALL VERSIONS LISTED IN FMO ARE SUPERSEDED BY THEIR CURRENT VERSION FOUND INSIDE THE SERVICE STANDARDS & GUIDES MANUAL.

REVISION HISTORY:

12/11/2025: MOVED TO FMO

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SDG&E ELECTRIC SERVICE FIELD MAINTENANCE ONLY STANDARDS & GUIDES

SAFETY OVERFLOW FITTING FOR INDOOR USE ONLY
ON WALL-MOUNTED SERVICE EQUIPMENT

FMO
SG307

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SCOPE: THIS STANDARD PROVIDES INSTRUCTIONS FOR INSTALLING A SAFETY OVERFLOW FITTING FOR FLUSH OR SEMI-FLUSH MOUNTED SERVICE EQUIPMENT WHERE THE SDG&E SOURCE IS AT A HIGHER ELEVATION THAN THE SERVICE EQUIPMENT.

ATTENTION:

- * THIS FITTING IS RECOMMENDED, BUT NOT REQUIRED BY SDG&E.
- ** THE PURPOSE OF INSTALLING THIS DEVICE IS THAT IT MAY HELP PREVENT WATER ENTRY INTO THE SERVICE EQUIPMENT.
- *** THIS FITTING IS FOR INDOOR USE ONLY.

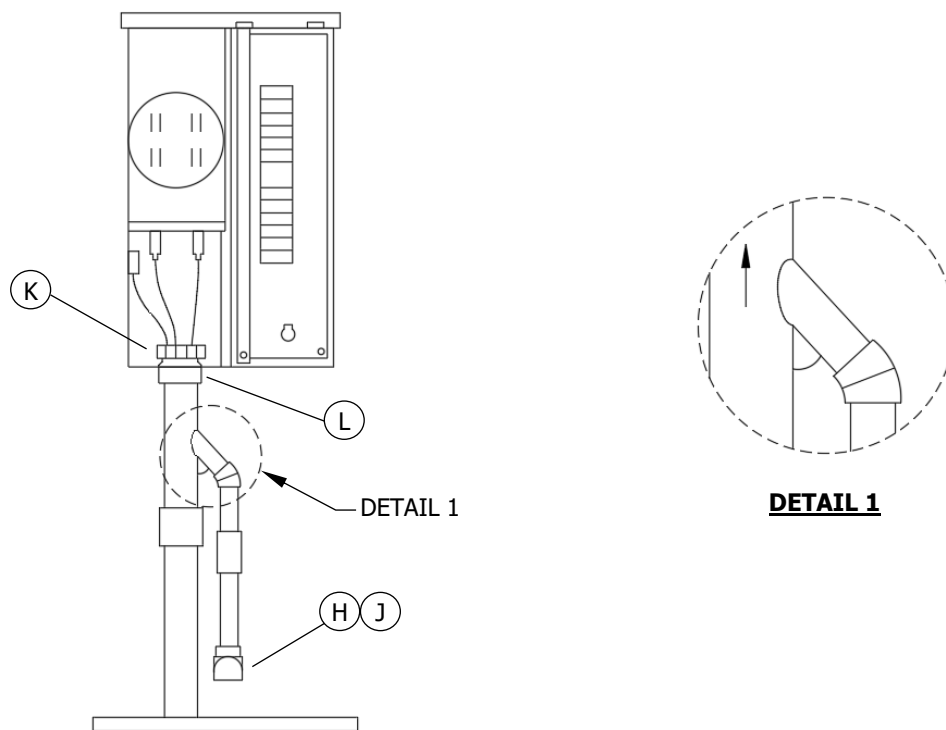


FIGURE 1

INSTALLATION:

- A. THIS FITTING IS FOR CONDUITS INSTALLED INSIDE BUILDING WALLS ONLY. USE LISTED ELECTRICAL RIGID PVC SCHEDULE 40 CONDUIT AND FITTINGS FOR EXTENDING THE DRAIN FITTING OUTSIDE THE WALL OR FOUNDATION. IT IS THE INSTALLER'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES.
- B. ASSEMBLE THE DRAIN BY MEANS OF CEMENT THAT IS, OR CONTAINS, A SOLVENT FOR POLYVINYL CHLORIDE.
- C. ENSURE THE ARROW ON THE 2-INCH FITTING IS POINTING "UP" WHEN INSTALLING. DO NOT CUT OR MODIFY THE SAFETY OVERFLOW FITTING.
- D. CLEAN THE SAFETY OVERFLOW FITTING APPROXIMATELY 2 INCHES FROM EACH END THOROUGHLY WITH CLEANING FLUID. LET THE FITTING DRY COMPLETELY.

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SDG&E ELECTRIC SERVICE STANDARDS & GUIDES

**SAFETY OVERFLOW FITTING FOR INDOOR USE ONLY
ON WALL-MOUNTED SERVICE EQUIPMENT**

SG307.1

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- BILL OF MATERIALS:** NONE

REFERENCE:

- a. REFER TO UG3960 FOR REQUIREMENTS RELATING TO ELEVATION OF CUSTOMER FACILITIES AND WATER ENTRY PREVENTION.

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		SAFETY OVERFLOW FITTING FOR INDOOR USE ONLY ON WALL-MOUNTED SERVICE EQUIPMENT												

SG308 FIELD MAINTENANCE ONLY

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SDG&E ELECTRIC SERVICE FIELD MAINTENANCE ONLY STANDARDS & GUIDES

CONDUIT SEALING

**FMO
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* THE APPLICATION OF THESE PRODUCTS IS DESIGNED TO PREVENT WATER ENTRY INTO THE CUSTOMER'S AND SDG&E'S FACILITIES WHEN THE SDG&E FACILITIES PROVIDING SERVICE TO THE CUSTOMER ARE AT A HIGHER ELEVATION THAN THE CUSTOMER'S SERVICE POINT.

**TABLE 1**

CBR BOOT SIZING				
TYCO NUMBER	CONDUIT SIZE (IN)	CONDUCTOR NUMBER	CONDUCTOR NUMBER & SIZE	STOCK NUMBER
CBR-3-3-A	2 AND 3	3/C	3/C #2 TO #350 KCMIL	S160650
CBR-4-3-A	3 AND 4	4/C	4/C #3/0 TO #350 KCMIL	S160625
CBR-3-3-A	4	4/C	4/C #350 TO #500 KCMIL	S160654
CBR-3-3-A	5	4/C	4/C #750 AND #1000 KCMIL	S160654

A. THIS SELECT THE SIZE OF THE CBR TO SEAL CABLE AND CONDUIT PER TABLE 1. ONCE THE CABLE IS INSTALLED, CLEAN THE CABLE AND CONDUIT SURFACES.

B. FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION.

* APPLY HEAT SLOWLY AND EVENLY TO PREVENT DISTORTION OF THE CONDUIT.

NOTES:

I. CABLE BREAKOUTS - THE CBR BOOTS ARE DESIGNED TO KEEP WATER OUT ONLY AND SHOULD ALWAYS BE USED AT THE HIGHER ELEVATION IN TRANSFORMERS AND SECONDARY HANDHOLES. SEE FIGURE 1.

a. REFER TO UG3948.

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	CONDUIT SEALING					

SCOPE: THIS STANDARD COVERS THE RAYFLATE DUCT SEALING SYSTEM (RDSS) THAT HAS BEEN DESIGNED FOR USE IN CONJUNCTION WITH PLASTIC, CONCRETE OR STEEL DUCTS WITH SINGLE OR MULTIPLE CONDUCTORS.

ATTENTION:

- * THE RDSS SHOULD PREVENT WATER ENTRY INTO CUSTOMER VAULTS, ELECTRIC METER ROOMS, MANHOLES AND HANDHOLES. THE RAYFLATE BLADDER IS A FLEXIBLE, METALLIC, LAMINATED HIGH TEMPERATURE SEALANT.

INSTALLATION:

APPLICATION:

- FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF THE RDSS BLADDER.
- CLEAN ALL SURFACES OF THE CABLE AND CONDUITS TO BE SEALED.
- THE SEALING SYSTEM CAN SEAL SINGLE CONDUCTOR UNJACKETED CONCENTRIC OR JACKETED CABLES, DUPLEX, TRIPLEX AND QUAD CONDUCTORS, BOTH PRIMARY AND SECONDARY VOLTAGE.
- FOR MULTIPLE CONDUCTORS, USE THE CORRECT RDSS CLIP TO SEAL BETWEEN THE CONDUCTORS TO MAKE A POSITIVE SEAL WHEN APPLYING A RDSS INFLATABLE BLADDER. SEE TABLE 1.
- THE RDSS-IT-16 INFLATION TOOL IS USED TO INFLATE THE BLADDER.
- THE TOOL IS POWERED BY A CO2 CARTRIDGE.
- THE BLADDER IS INFLATED TO 45 PSI IN THE GREEN ZONE ON THE GAUGE.

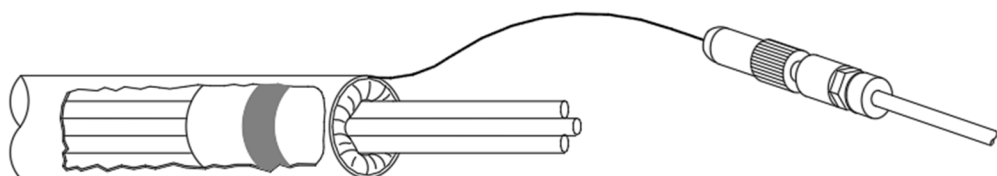


FIGURE 1

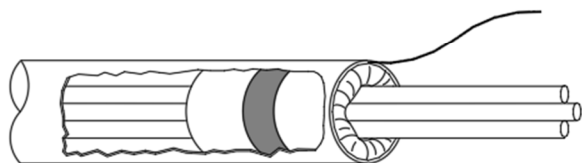


FIGURE 2

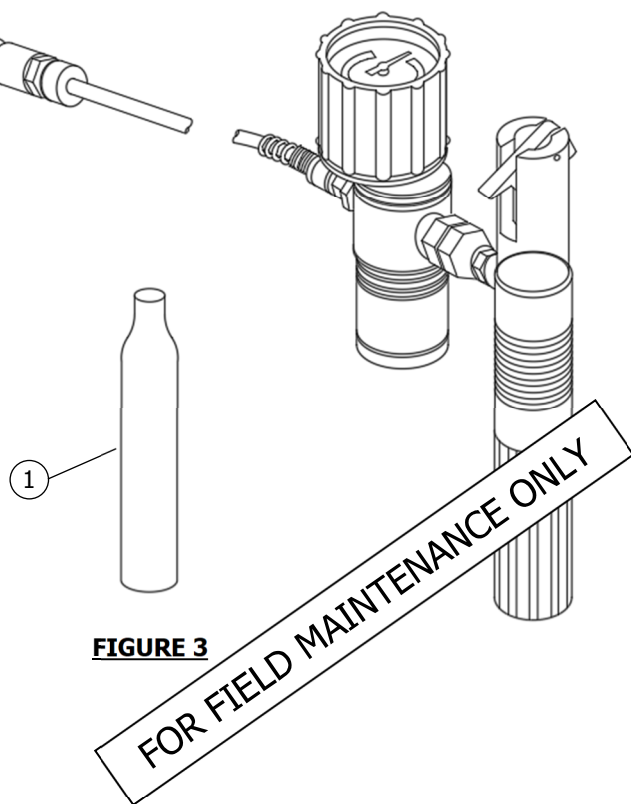


FIGURE 3

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SDG&E ELECTRIC SERVICE STANDARDS & GUIDES

CONDUIT SEALING

SG308.2

TABLE 1

RDS AND ADD-CLIP SIZING				
CONDUIT SIZE, WITH 1 CONDUCTOR (IN)	RAYFLATE DUCT SEAL	STOCK NUMBER	ADD-CLIP FOR MULTIPLE CONDUCTORS	STOCK NUMBER
2	RDSS-60	S632070	RDSS-CLIP-75	S477542
3	RDSS-75	S632072	RDSS-CLIP-75	S477542
4	RDSS-100	S632074	RDSS-CLIP-100	S477544
5	RDSS-125	S632076	RDSS-CLIP-125	S477546

BILL OF MATERIALS:

ITEM	DESCRIPTION	QUANTITY	STANDARD PAGE	STOCK NUMBER	DESIGN UNITS
1	CARTRIDGE, REPLACEMENT, CO2	AS REQ'D	--	S209412U	--

NOTES: NONE**REFERENCE:**

- a. REFER TO UG3948.

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SDG&E ELECTRIC SERVICE STANDARDS & GUIDES

CONDUIT SEALING

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500 - ELECTRIC SERVICE
& METERING EQUIPMENT

500 - ELECTRIC SERVICE
& METERING EQUIPMENT

600 - MEDIUM VOLTAGE
ELECTRIC SERVICE &
METERING EQUIPMENT

600 - MEDIUM VOLTAGE
ELECTRIC SERVICE &
METERING EQUIPMENT

SUBJECT

604

MEDIUM-VOLTAGE METERING CUBICLE

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B	SG604 MOVED TO FMO	EDM	JK	-	-	11/15/2024	E						
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SG604 FIELD MAINTENANCE ONLY

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MEDIUM-VOLTAGE METERING CUBICLE

FMO
SG604.1

700 - ELECTRIC TERMINATING
ENCLOSURES, 0-600 VOLTS

700 - ELECTRIC TERMINATING
ENCLOSURES, 0-600 VOLTS

SUBJECT

707

RESIDENTIAL SINGLE-PHASE MULTI-METER

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REVISION HISTORY:

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TABLE 1

REQUIRED DIMENSIONS					
SERVICE EQUIPMENT (A)	MINIMUM SERVICE EQUIPMENT DIMENSIONS			MINIMUM CONDUIT SIZE (QTY - IN)	MAXIMUM CONDUIT SIZE (QTY - IN)
	Z (IN)	Y (IN)	X (IN)		
401 - 600	10 1/2	6	22	1 - 4	1 - 4

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	RESIDENTIAL SINGLE-PHASE MULTI-METER								

800 - CUSTOMER
GENERATION

800 - CUSTOMER
GENERATION

1000 - GAS

1000 - GAS

