

2026 SERVICE FIELD MAINTENANCE ONLY

Historical Record: 1/23/2026
External Version



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DISCLAIMER & CONTACTS

SUMMARY OF CHANGES

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:

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

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.

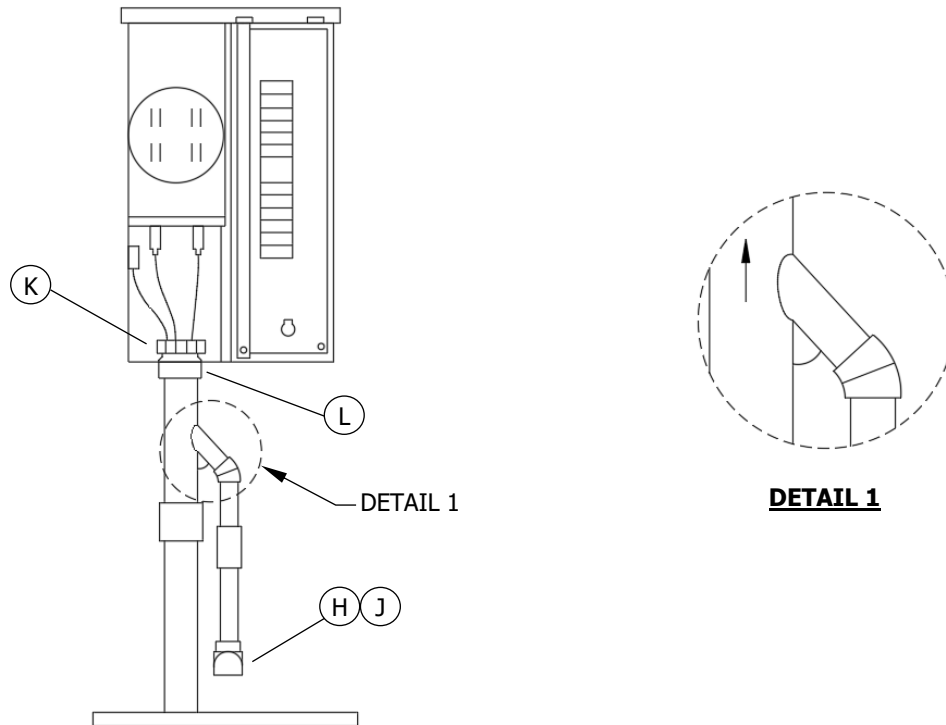


FIGURE 1

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

SG307.1

INSTALLATION (CONT'D):

- E. THE DRAIN MUST BE FULLY INSERTED INTO THE BODY AND EXTENDED IN THE DOWNWARD POSITION.
- F. AFTER USING THE CEMENT SOLVENT, MAKE A QUARTER TURN AND THEN LET DRY COMPLETELY.
- G. REPEAT THE CLEANING AND GLUING PROCESS AT EACH JOINT.
- H. EXTEND THE 1-INCH FITTING UNTIL IT IS OUTSIDE THE WALL OR FOUNDATION AT LEAST 1 1/2 INCHES TO 2 INCHES.
- J. AFTER EXTENDING THE CONDUIT OUTSIDE THE WALL OR FOUNDATION, INSTALL A 90-DEGREE ELBOW POINTING DOWN AND A MINIMUM OF 18 INCHES ABOVE GROUND. INSTALL A MESH SCREEN TO PREVENT DIRT OR INSECTS FROM ENTERING CONDUIT. DO NOT CONNECT THE 1-INCH FITTING TO ANY OUTSIDE WATER DRAINS.
- K. USE THE PROPER END COUPLING AND LOCKING NUT INSIDE THE CABLE TERMINATION CAN.
- L. SDG&E CREW WILL SEAL THE SERVICE LATERAL CONDUIT IN THE TERMINATING ENCLOSURE.

BILL OF MATERIALS: NONE

NOTES: NONE

REFERENCE:

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

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SG308 FIELD MAINTENANCE ONLY

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CONDUIT SEALING

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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:

- A. FOLLOW THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF THE RDSS BLADDER.
- B. CLEAN ALL SURFACES OF THE CABLE AND CONDUITS TO BE SEALED.
- C. THE SEALING SYSTEM CAN SEAL SINGLE CONDUCTOR UNJACKETED CONCENTRIC OR JACKETED CABLES, DUPLEX, TRIPLEX AND QUAD CONDUCTORS, BOTH PRIMARY AND SECONDARY VOLTAGE.
- D. 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.
- E. THE RDSS-IT-16 INFLATION TOOL IS USED TO INFLATE THE BLADDER.
- F. THE TOOL IS POWERED BY A CO2 CARTRIDGE.
- G. THE BLADDER IS INFLATED TO 45 PSI IN THE GREEN ZONE ON THE GAUGE.

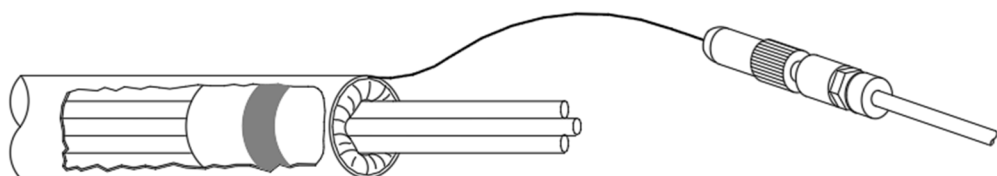


FIGURE 1

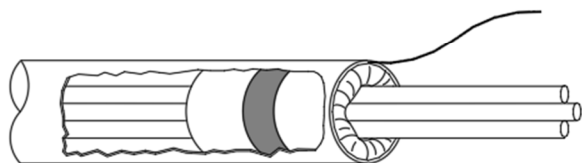


FIGURE 2

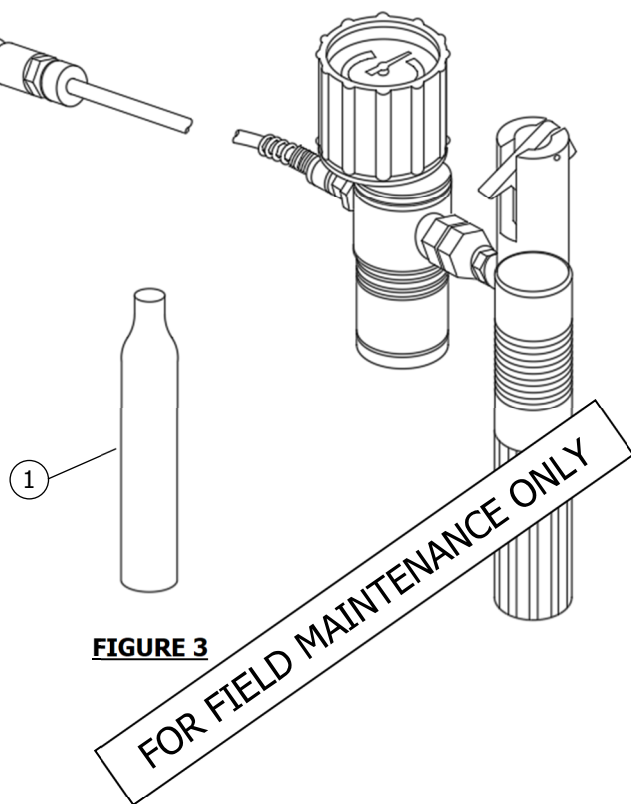


FIGURE 3

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CONDUIT SEALING

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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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MEDIUM-VOLTAGE METERING CUBICLE

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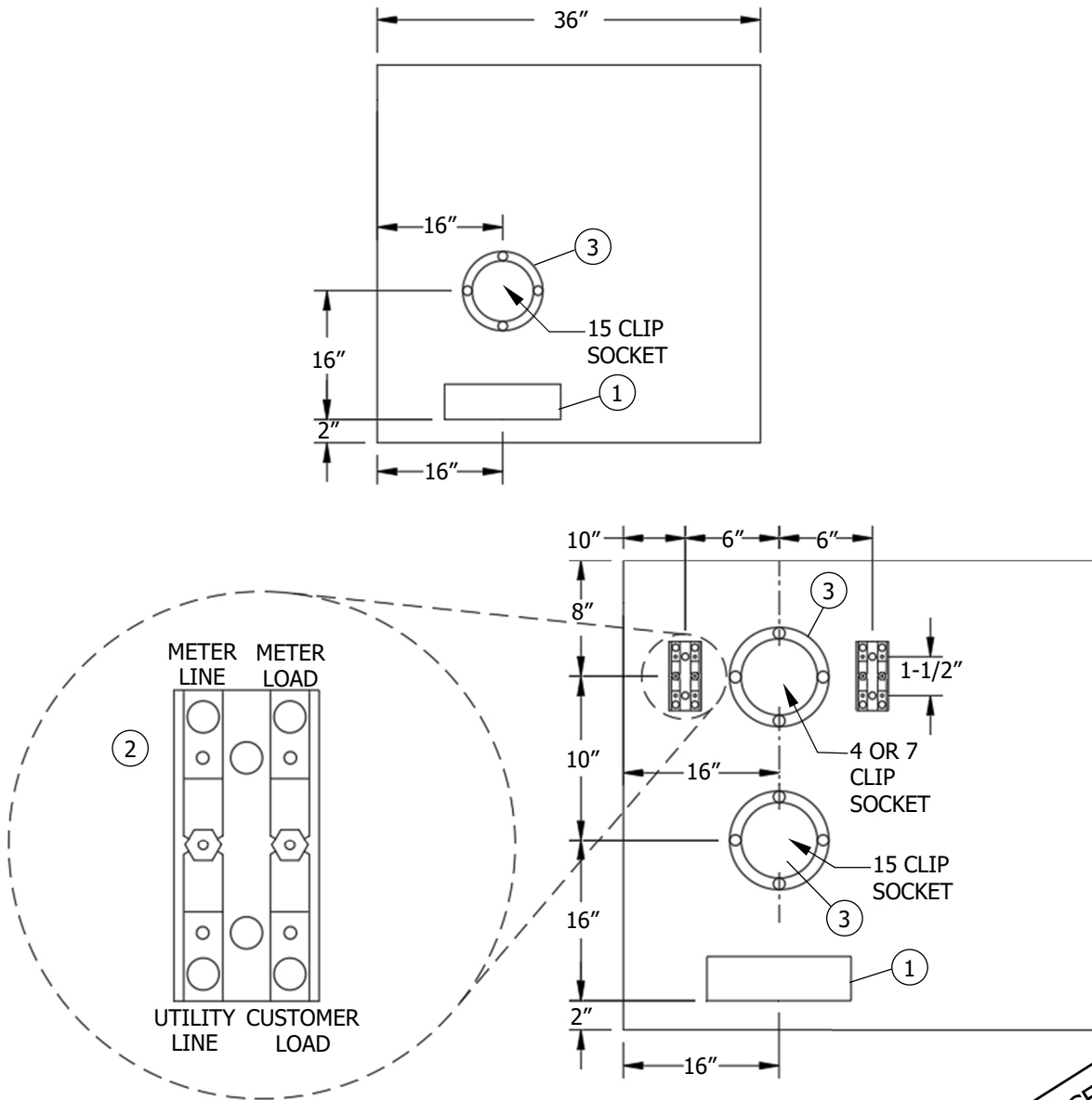
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METER PANEL LAYOUT



NOTES:

- ① REFER TO TEST SWITCH LAYOUT SPECIFICATIONS ON PAGE SG 604.5.
- ② TEST-BYPASS BLOCKS SUPPLIED BY MANUFACTURER AND MOUNTED ON INSIDE OF METER PANEL. SEE TEST-BYPASS FACILITIES ON PAGE SG 513.2 AND CONTROL POWER TRANSFORMER (CPT) METER WIRING DIAGRAM ON PAGE SG 605.
- ③ PROVIDE RING METER SOCKETS WITH NUMBER OF CLIPS AS INDICATED.

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