

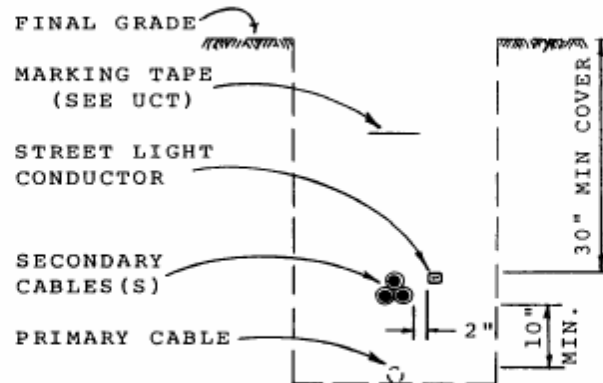
SECONDARY

I. CONSTRUCTION NOTES

- I.1. 1. Plate(s) to be called for on a "per foot" basis:
USB*OPTION
USC*OPTION
- I.2. 2. Plate UST*OPTION calls for compression connectors. To be called for on a "per leg" basis.
- I.3. 3. Plate UST-1 provides for connector labor for padmount transformers and meter cans. Call for separate plate on each leg and on neutral.
- I.4. 4. Plate UST-2 – See Plate USP for conduit layout.
- I.5. 5. Plate USMT – Cable end termination only. Mole not included. Call for one USMT Plate per each set of 3 - 500 MCM network secondary cable. If over 25% of outlets are left vacant, call for required Item-MOLPL001 to plug outlets, as extra item.
- I.6. 6. Plate USF1 – Mole not included. Call for one per set of 3 – 500 MCM network secondary.
- I.7. 7. Plate BLD-MOLE * Option – Network application includes, mole, hook, rack and related hardware for installation.
- I.8. 8. SERV-BOX - (P, C or D)*C or H – To set non-traffic bearing polymer concrete service box – To include necessary excavation required to install service box to grade. Unit of issue – each.
- I.9. 9. PULL-BOX - *C or H – To set traffic bearing pull box – To include necessary excavation required to install pull box to grade. Unit of issue – each.
- I.10. 10. ADDITIONAL PLATES

Listed below are plates not otherwise covered by a Construction Standard and Drawing.

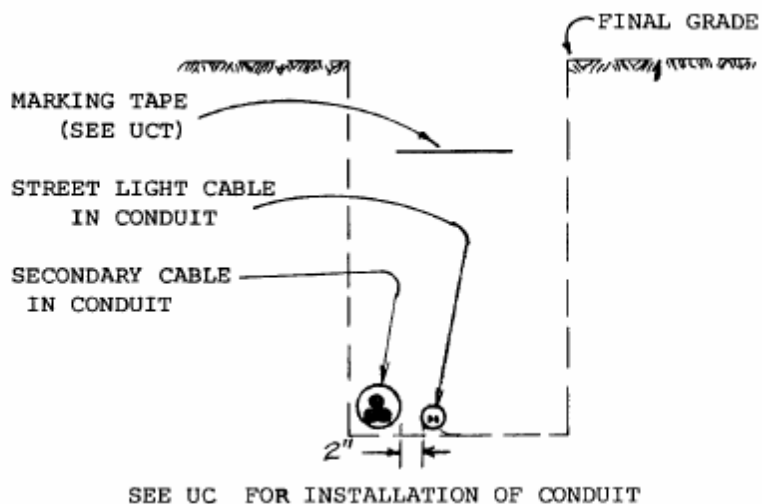
PLATE	DESCRIPTION	UNIT
CBL-REMS	Remove secondary cable 500 kCM and smaller from conduit. Includes up to three (3) conductors per conduit.	LF

USB***SECONDARY CABLE(S) IN EXISTING TRENCH – (MAINTENANCE ONLY)**

OPTION	ITEM	DESCRIPTION
USB*2/OT	CAIUS002	2/0 AL U.S.E. TRIPLEX
USB*4/OT	CAIUS001	4/0 AL U.S.E. TRIPLEX
USB*350T	CAIUS003	350 KCM AL U.S.E. TRIPLEX
USB*12D	CAIUF001	#12 CU DUPLEX (ST. LT.)

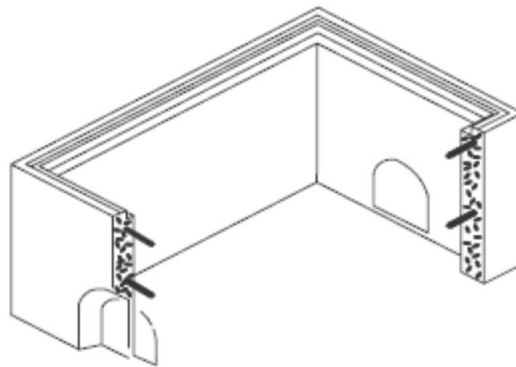
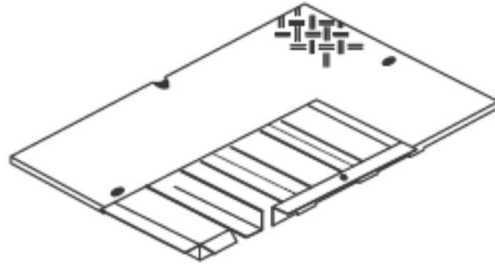
USC*

SECONDARY CABLE(S) IN EXISTING CONDUIT



OPTION	ITEM	QTY	DESCRIPTION
USC*2/0T	CAIUS002	1	2/0 AL U.S.E. TRIPLEX
USC*4/0T	CAIUS001	1	4/0 AL U.S.E. TRIPLEX
USC*350T	CAIUS003	1	350 MCM AL U.S.E. TRIPLEX
USC*12D	CAIUF001	1	#12 CU DUPLEX (ST. LT.)
USC*500-3N	CAIRH007	3	500 MCM CU RHW/U.S.E. (1/C)
	COBCO035	1	300 MCM CU BARE NEUTRAL
USC*500-3	CAIRH007	3	500 MCM CU RHW/U.S.E. (1/C)
USC*500	CAIRH007	1	500 MCM CU RHW/U.S.E. (1/C)
USC*300-3N	CAIRH006	3	300 MCM CU RHW/U.S.E (1/C)
	COBCO035	1	300 MCM CU BARE NEUTRAL
USC*300-3	CAIRH006	3	300 MCM CU RHW/U.S.E. (1/C)
USC*300	CAIRH006	1	300 MCM CU RHW/U.S.E. (1/C)
USC*4/0	CAIRH005	1	4/0 CU RHWN/U.S.E. (1/C)
USC*2/0	CAIRH004	1	2/0 CU RHWN/U.S.E. (1/C)
USC *2	CAIRH002	1	#2 CU U.S.E. (1/C)

PULL-BOX* CONCRETE SPLICE BOX



MPULL-BOX OPTIONS

Installation Conditions:

C – Cold-New Construction

H – Hot-Construction around Existing Cables

EXAMPLE: MPULL-BOX*C

PULL-BOX OPTIONS

Installation Conditions:

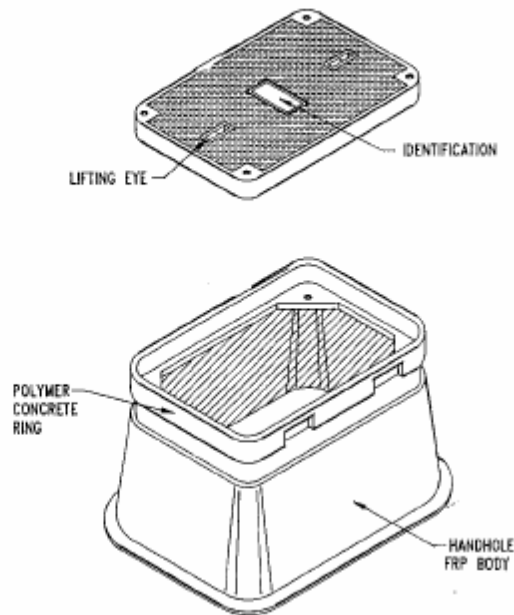
U - New Undeveloped Area

D - Existing Developed Area

EXAMPLE: PULL-BOX*D

ITEM	QTY	DESCRIPTION
BOXSP002	1	PULL BOX, CONCRETE ,TRAFFIC BEARING, STEEL COVER <u>Inside Dimensions</u> – 16"W X 24"L X 24"Deep
BOXSP003	1	PULL BOX, CONCRETE ,TRAFFIC BEARING, STEEL COVER <u>Inside Dimensions</u> – 24"W X 24"L X 24"Deep

SERV_BOX-_* POLYMER CONCRETE SERVICE BOX



MSERV-BOX OPTIONS

Installation Conditions:

C – Cold-New Construction

H – Hot-Construction around Existing Cables

EXAMPLE: MSERV-BOX-P*C

SERV-BOX OPTIONS

Installation Conditions:

U – New Undeveloped Area

D – Existing Developed Area

EXAMPLE: SERV-BOX-C*D

PLATE	QTY	DESCRIPTION	# OF SERVICES
MSERV-BOX-P*_	1	BOX, POLYMER CONCRETE, 13" X 24" X 18" DP	1-3 STREET LIGHTS
SERV-BOX-P*_		(BOXPS001)	
MSERV-BOX-C*_	1	BOX, POLYMER CONCRETE, 17" X 30" X 18" DP	1 SERVICE + 1 STREET LIGHT
SERV-BOX-C*_		(BOXSE001)	
MSERV-BOX-D*_	1	BOX, POLYMER CONCRETE, 24" X 36" X 18" DP	2 SERVICE + 1 STREET LIGHT
SERV-BOX-D*_		(BOXSE002)	

USS* SECONDARY SPLICE

SECONDARY STRAIGHT SPLICE



BUSS CONNECTORS



STRAIGHT SPLICE			
PLATE	ITEM	QTY	DESCRIPTION
USS*1	SPLKT001	1	SPLICE/REPAIR KIT, SEC, #1 AL/CU
USS*2/0	SPLKT002	1	SPLICE/REPAIR KIT, SEC, #2/0 AL/CU
USS*4/0	SPLKT003	1	SPLICE/REPAIR KIT, SEC, #4/0 AL/CU
USS*350	SPLKT004	1	SPLICE/REPAIR KIT, SEC, 350KCM AL/CU
USS*500	SPLKT005	1	SPLICE/REPAIR KIT, SEC, 500KCM AL/CU
USS*6/350	SPLKT006	1	SPLICE/REPAIR KIT, SEC, RANGE #6- 350KCM AL/CU

BUSS CONNECTORS			
PLATE	ITEM	QTY	DESCRIPTION
USS*500B	CNNSP001	1	BUSS CONNECTOR, 4 OUTLET, #6-500KCM AL/CU
USS*750B	CNNSP002	1	BUSS CONNECTOR, 6 OUTLET, #2-750KCM AL/CU

USS-1*₋

SECONDARY SPLICE - TAPE HAND APPLIED (COPPER CABLE ONLY)

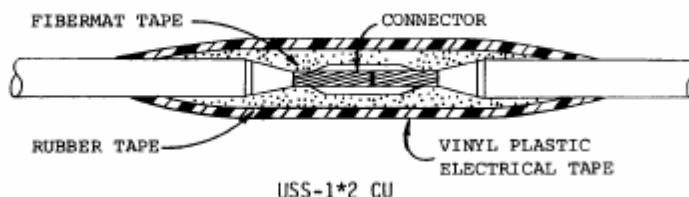
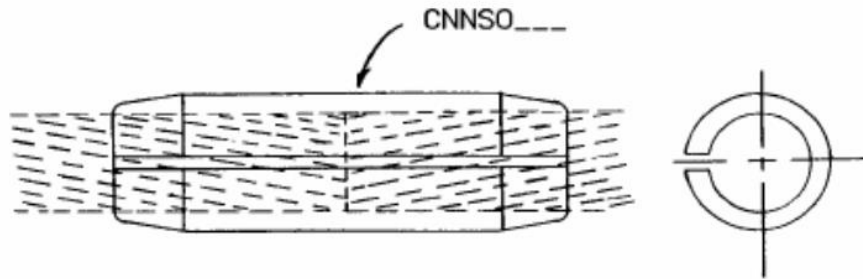


PLATE	ITEM	QTY	DESCRIPTION
USS-1*2 CU	CNNSO008	1	CONNECTOR, SPLIT SOLDER #2 STR CU.
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, RUBBER
	TAPEL006	1	TAPE, VINYL PLASTIC ELECTRICAL
	TAPEL009	1	TAPE, ADHESIVE BACKED FIBERGLASS
USS-1*2/0 CU	CNNSO010	1	CONNECTOR, SPLIT SOLDER 2/0 CU
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, RUBBER
	TAPEL006	1	TAPE, VINYL PLASTIC ELECTRICAL
	TAPEL009	1	TAPE, ADHESIVE BACKED FIBERGLASS
USS-1*4/0 CU	CNNSO011	1	CONNECTOR, SPLIT SOLDER 4/0 CU
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, RUBBER
	TAPEL006	1	TAPE, VINYL PLASTIC ELECTRICAL
	TAPEL009	1	TAPE, ADHESIVE BACKED FIBERGLASS
USS-1*300 CU	CNNSO012	1	CONNECTOR, SPLIT SOLDER 300 MCM CU
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, RUBBER
	TAPEL006	1	TAPE, VINYL PLASTIC ELECTRICAL
	TAPEL009	1	TAPE, ADHESIVE BACKED FIBERGLASS
USS-1*500CU	CNNSO014	1	CONNECTOR, SPLIT SOLDER 500 MCM CU
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, RUBBER
	TAPEL006	1	TAPE, VINYL PLASTIC ELECTRICAL
	TAPEL009	1	TAPE, ADHESIVE BACKED FIBERGLASS
USS-1*300Y	CNNSO002	1	CONNECTOR, HALF DUPLEX SOLDER, SPLIT 300-300-
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, FIBERMAT
	TAPEL006	1	TAPE, RUBBER
	TAPEL009	1	TAPE, VINYL PLASTIC ELECTRICAL
USS-1*500Y	CNNSO005	1	CONNECTOR, HALF DUPLEX SOLDER, SPLIT 500-500-
	SOLTL002	1	SOLDER, 40/60 1.5LB BAR
	TAPEL003	1	TAPE, FIBERMAT
	TAPEL006	1	TAPE, RUBBER
	TAPEL009	1	TAPE, VINYL PLASTIC ELECTRICAL

USN*300**USN*4/0****USN*4/0I****SPLICE****USN*300 Bare copper neutral (for Network Only)**

ITEM	QTY	DESCRIPTION
ADCSP013	1	PASTE SOLDER
CNNSO012	1	CONNECTOR, 300 MCM, SOLDER, SPLIT SOLDER TINNED DIPPED COPPER
SOLTL002	1	SOLDER BAR 40/60

USN*4/0 Bare copper neutral (for Network Only)

ITEM	QTY	DESCRIPTION
ADCSP013	1	PASTE SOLDER
CNNSO011	1	CONNECTOR, 4/0 STR, SOLDER, SPLIT SOLDER TINNED DIPPED COPPER
SOLTL002	1	SOLDER BAR 40/60

USN*4/0I Insulated copper neutral

ITEM	QTY	DESCRIPTION
SLECJ001	1	SLEEVE, 4/0 COPER JUMPER, COMPRESSION, NON-TENSION ONLY

UST*

SECONDARY TERMINATION LUGS



OPTION	ITEM	DESCRIPTION
UST*1	CNNTL012	#1 SINGLE HOLE LUG
UST*1/0	CNNTL013	SINGLE HOLE LUG
UST*2/0	CNNTL014	SINGLE HOLE LUG
UST*3/0	CNNTL015	SINGLE HOLE LUG
UST*4/0	CNNTL016	#4/0 SINGLE HOLE LUG
UST*350	CNNTL017	#350 SINGLE HOLE LUG
UST*500	CNNTL018	#500 SINGLE HOLE LUG
UST*4/0T	CNNTL001	#4/0T STACKING TOP LUG
UST4/0B	CNNTL002	#4/0B STACK BOTTOM LUG
UST*250T	CNNTL003	#250 STACKING TOP LUG
UST*250B	CNNTL004	#250 STACKING BOTTOM LUG
UST*350T	CNNTL005	#350 STACKING TOP LUG
UST*350B	CNNTL006	#350 STACKING BOTTOM LUG
UST*500B	CNNTL008	#500 STACKING BOTTOM LUG
UST*600B	CNNTL009	#600 STACKING BOTTOM LUG
UST*750B	CNNTL010	#750 STACKING BOTTOM LUG

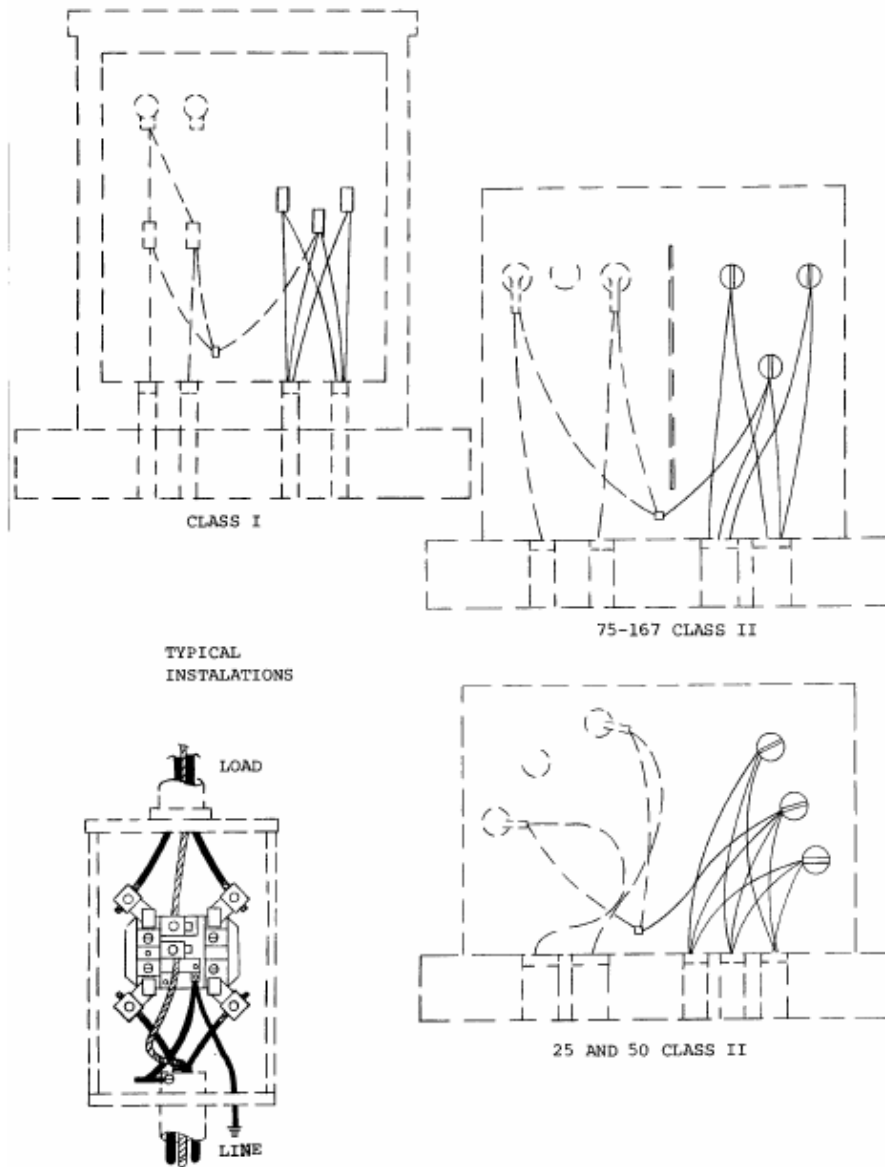
NOTE:

Each plate includes the connector and the following material to bolt the connector to the transformer spade:

ITEM	QTY	DESCRIPTION
BOLTMH007	2	BOLT, MACHINE HEX HEAD 1/2 X 1-1/2 INCH BRONZE
NUTBC500	2	NUT, HEX 1/2 INCH TIN PLATED SILICON - BRONZE
WASLO023	2	WASHER, SHAKE PROOF LOCK 1/2 INCH

UST-1

SECONDARY CONNECTIONS



(EXISTING LUGS AND METER CANS – LABOR ONLY)

UST-2* SECONDARY CONNECTIONS SECONDARY PEDESTALS

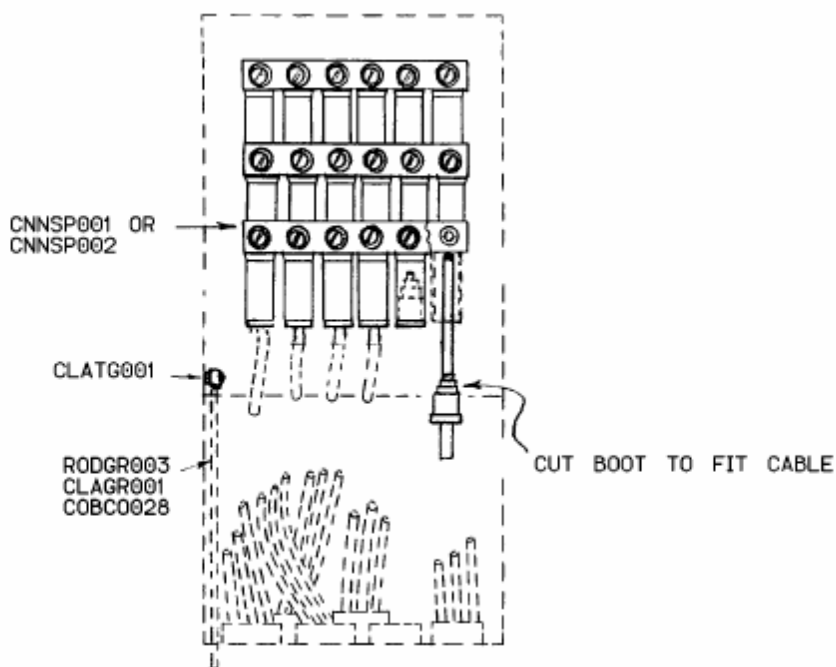


PLATE	ITEM	QTY	DESCRIPTION
UST - 2 * 750	CLATG001	1	CONNECTOR, TRANSFORMER TANK GROUND 6 SOL-1STR
	COBCO028	2	CONDUCTOR, BARE CU #4 SOL SOFT DRAWN
	CNNSP002	3	CONNECTOR, SECONDARY PED., 6 OUTLETS, RANGE #2 - 750KCM
UST - 2 * 500	CLATG001	1	CONNECTOR, TRANSFORMER, TANK GROUND 6 SOL - 1STR
	COBCO028	2	CONDUCTOR, BARE CU #4 SOL SOFT DRAWN
	CNNSP001	3	CONNECTOR, SECONDARY PED., 4 OUTLETS, RANGE #6 - 500KCM

*Grounding Material Included In Plate

ITEM	QTY	DESCRIPTION
RODGR003	1	OD, GROUND, 5/8"
CLAGR001	1	CLAMP, GROUND ROD

NOTE:

See USP plate for conduit layout

USP- SECONDARY PEDESTAL

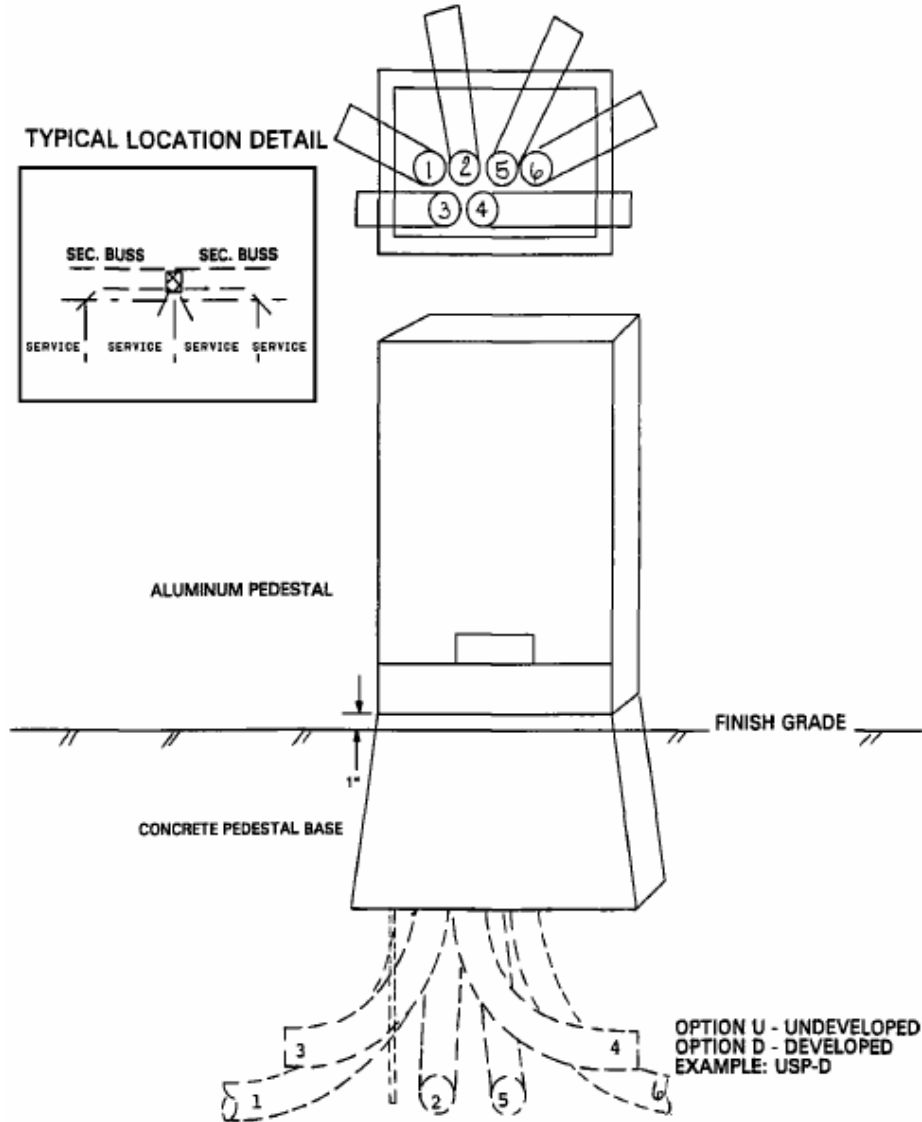


PLATE EXAMPLE:
USP*D

ITEM	QTY	DESCRIPTION
PEDSE001	1	SECONDARY PEDESTAL
PEDSE100	1	PEDESTAL BASE, CONCRETE

USS-SL* **SECONDARY SPLICE WITH** **STREET LIGHT CONNECTION**

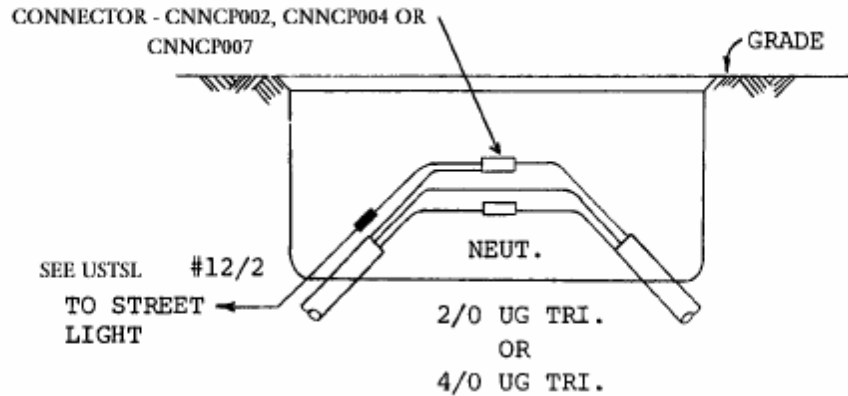
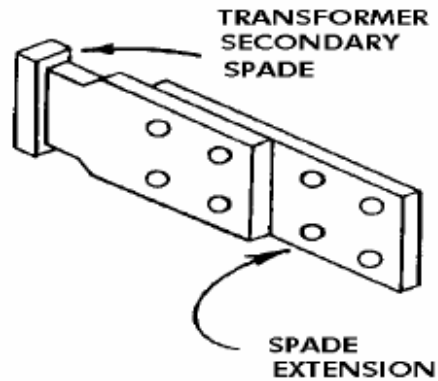


PLATE	ITEM	QTY	DESCRIPTION
USS-SL*2/0	CNNCP002	1	CONNECTOR, AL. COMP. SIDE-BY 6-2 2-1/0
	CNNCP004	1	CONNECTOR, AL. COMP. SIDE-BY 1/0-2/0 1/0-3/0
	PADHA001	2	PAD, VINYL MASTIC (INSULATING)
	TAPEL009	1	TAPE, VINYL PLASTIC ELECTRICAL
USS-SL*4/0	CNNCP004	1	CONNECTOR, AL COMP. SIDE-BY 1/0-2/0 1/0-3/0
	CNNCP007	1	CONNECTOR, AL. COMP SIDE-BY 3/0-4/0 3/0-4/0
	PADMA001	2	PAD, VINYL MASTIC (INSULATING)
	TAPEL009	1	TAPE, VINYL PLASTIC ELECTRICAL

USX* SPADE EXTENSION



OPTION	ITEM	DESCRIPTION
USX*1/2	SPDEX001	1/2 WIDTH, 1250 AMPS.

PLATE	ITEM	QTY	DESCRIPTION
USX*1/2	BOLMH007	8	BOLT, MACHINE, HEX HEAD BRONZE 1/2 X 1-1/2 INCH
	NUTHH030	8	NUT, HEX 1/2 INCH TIN PLATED SILICON - BRONZE
	SPDEX001	1	SPADE EXTENSION, PADMOUNT TRANSF. 1/2 W 1250 AMPS
	WASL0023	8	WASHER, SHAKE PROOF LOCK, BRONZE 1/2 INCH BOLT SIZE

BLD-MOLE*__

MOLE

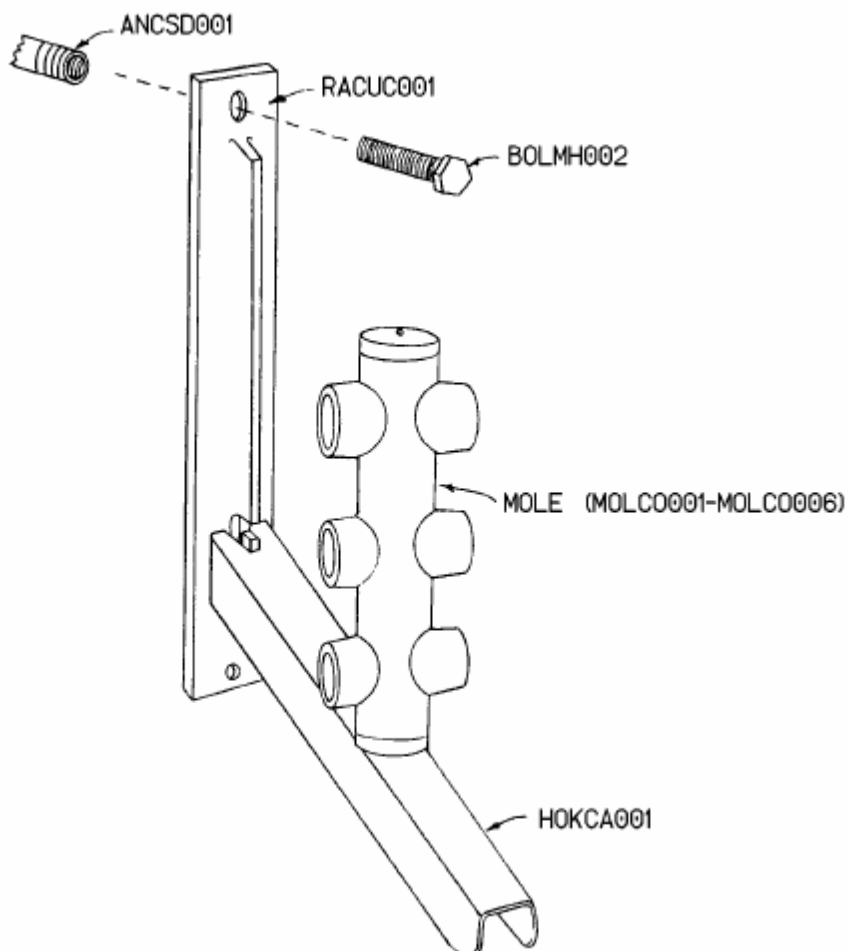


PLATE	ITEM	QTY	DESCRIPTION
BLD-MOLE*__	ANCSD001	2	ANCHOR, SELF DRILLING 1/2 X 2 INCH
	BOLMH002	2	BOLT, MACHINE HEX HEAD 1/2 X 2 INCH
	HOKCA001	1	HOOK, CABLE
	RACUC001	1	RACK, SECONDARY MOLE
	MOLCO***	1	MOLE COMINNECTOR

For Mole-call for PLATE*OPTION

OPTIONS AVAILABLE:

8, 10, 12, 14, 20, 24

EXAMPLE:

BLD-MOLE*8 (MOLE CONNECTOR, 8 WAY, 2500 AMP)

USM* **MOLE, STUD CONNECTOR** **NETWORK CABLE TERMINATIONS**

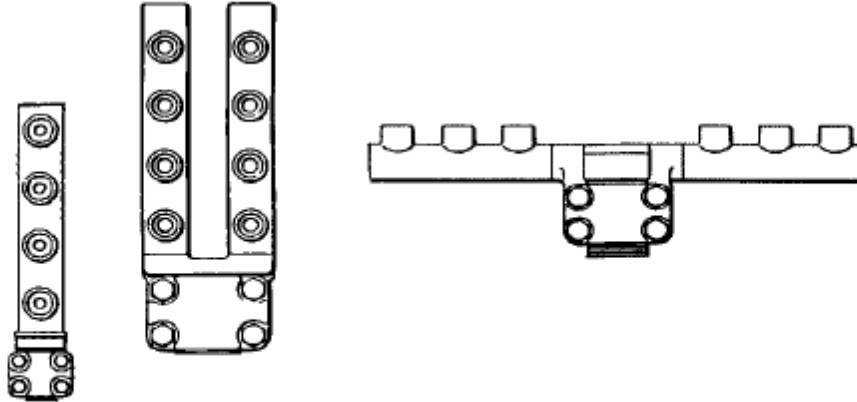
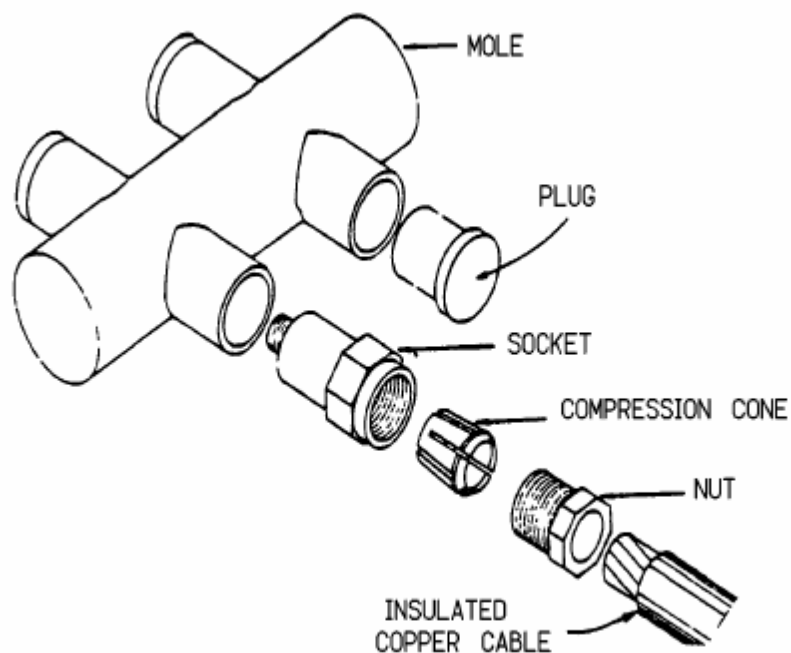


PLATE	ITEM	QTY	DESCRIPTION
USM*8U	MOLSC004	3	MOLE STUD CONNECTOR, U OR DOUBLE VERTICAL, 8 OUTLETS
	TAPEL003	6	TAPE, FIBERMAT
	TAPEL006	3	TAPE, RUBBER
	TAPEL009	2	TAPE, VINYL PLASTIC ELECTRICAL
USM*5V	MOLSC002	3	MOLE STUD CONNECTOR, VERTICAL, 5 OUTLETS
	TAPEL003	6	TAPE, FIBERMAT
	TAPEL006	3	TAPE, RUBBER
	TAPEL009	2	TAPE, VINYL PLASTIC ELECTRICAL
USM*6V	MOLSC003	3	MOLE STUD CONNECTOR, VERTICAL, 6 OUTLETS
	TAPEL003	6	TAPE, FIBERMAT
	TAPEL006	3	TAPE, RUBBER
	TAPEL009	2	TAPE, VINYL PLASTIC ELECTRICAL
USM*6H	MOLSC001	3	MOLE STUD CONNECTOR, HORIZONTAL, 6 OUTLETS
	TAPEL003	6	TAPE, FIBERMAT
	TAPEL006	3	TAPE, RUBBER
	TAPEL009	2	TAPE, VINYL PLASTIC ELECTRICAL

USMT***NETWORK CABLE****TERMINATIONS INTO MOLES**

ITEM	QTY	DESCRIPTION
MOLCO007	3	CONE, COMPRESSION 500 MCM
SLEMO001	3	SLEEVE, INSULATING
SOCNA001	3	SOCKET AND NUT ASSEMBLY
THEHS007	3	TUBING, HEAT SHRINK, 12"L

OPTIONS AVAILABLE:

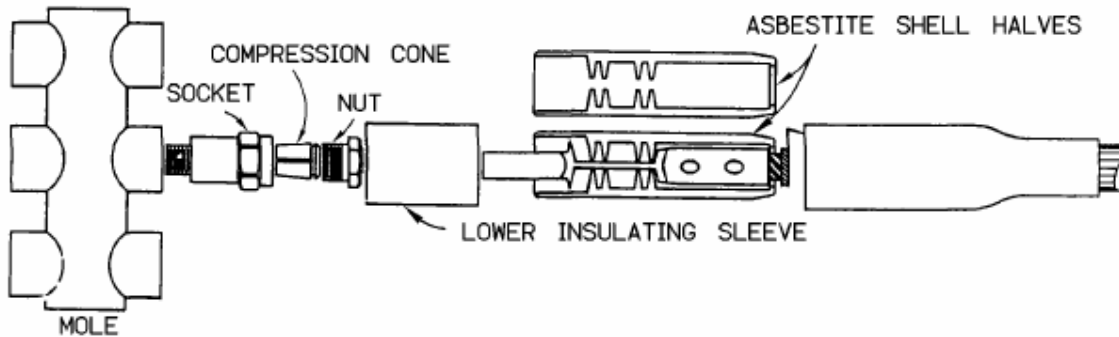
500kCM Cable, USMT*500

NOTE:

Mole is not included – See BLD-MOLE* plate

USF1

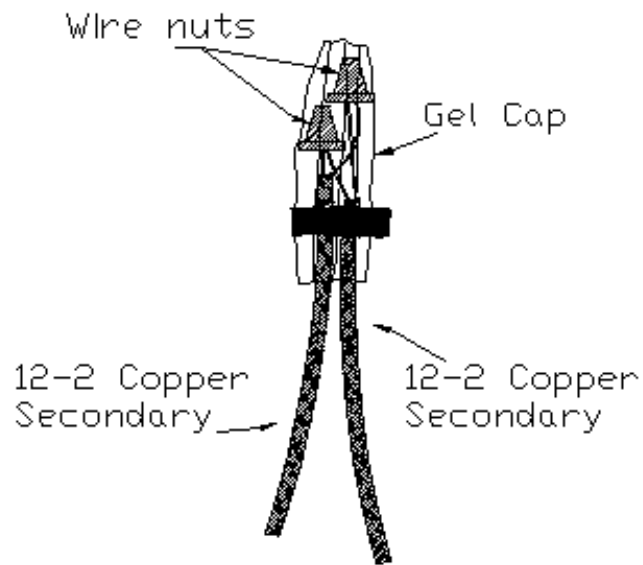
MOLIMETER, ASSEMBLY INSTALLATION



NOTE:

Cable Termination and Mole not included.
(See BLD-MOLE and USMT)

PLATE	ITEM	QTY	DESCRIPTION
USF1	MOLCO007	3	CONE, COMPRESSION 500 MCM
	MOLAS001	3	MOLIMETER, FUSE FOR ASSEMBLY
	MOLAS002	3	MOLIMETER, ASSEMBLY, 500 MCM
	SOCNA001	3	SOCKET AND NUT ASSEMBLY
	THEHS008	3	TUBING, HEAT SHRINK, 18"L

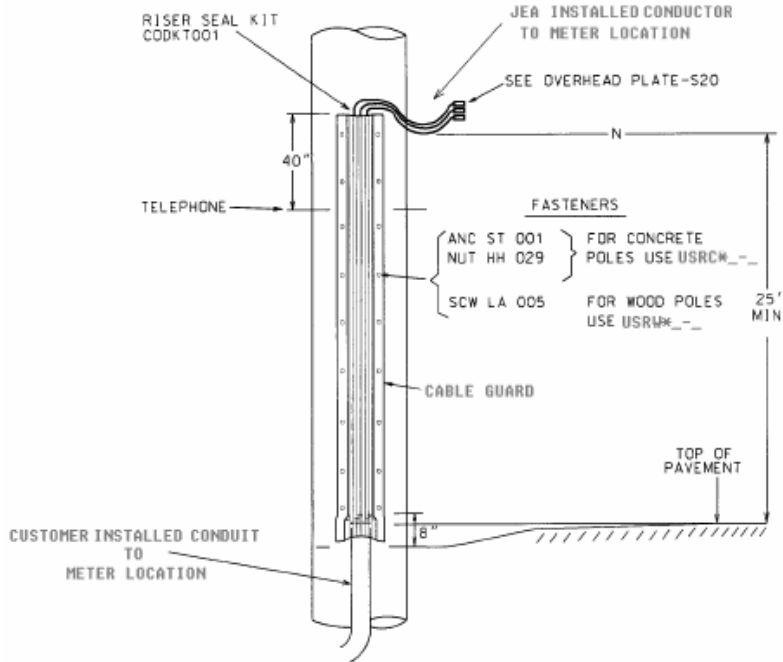
USS-SL1**SECONDARY SPLICE FOR 12/2 UF-B CABLE WITHOUT GROUND**

ITEM	QTY	DESCRIPTION
COVSP001	1	COVER, SPLICE GEL CAP WITH 2 WIRE NUTS, 12-2 CABLE

USRC*_

USRW*_

UNDERGROUND RESIDENTIAL SERVICE FROM OVERHEAD POLE 600AMP/600V MAX



ITEM	QTY	DESCRIPTION
ANCST001	20	CONC. ANCHOR STUD (CONC. OPTION)
CAIRH000	135/180	GENERAL CODE FOR CONDUCTOR (3LEG/ 4 LEG)
CAIUS000	45	GENERAL CODE FOR ALUM. TRIPLEX
CODKT001	1	RISER SEAL KIT
GUACA000	3	GENERAL CODE FOR CABLE GUARD, 10' LENGTH
NUTHH029	20	NUT, HEX HEAD (CONC. OPTION)
SCWLA005	20	SCREW, LAG (WOOD OPTION)

AVAILABLE CONDUCTORS:

Copper – (AWG or kCM): 2, 4, 1/0, 2/0Q, 4/0Q, 500, 500Q
 Aluminum – (AWG or kCM): 2/0, 4/0, 350

EXAMPLE:

USRXC*4/0

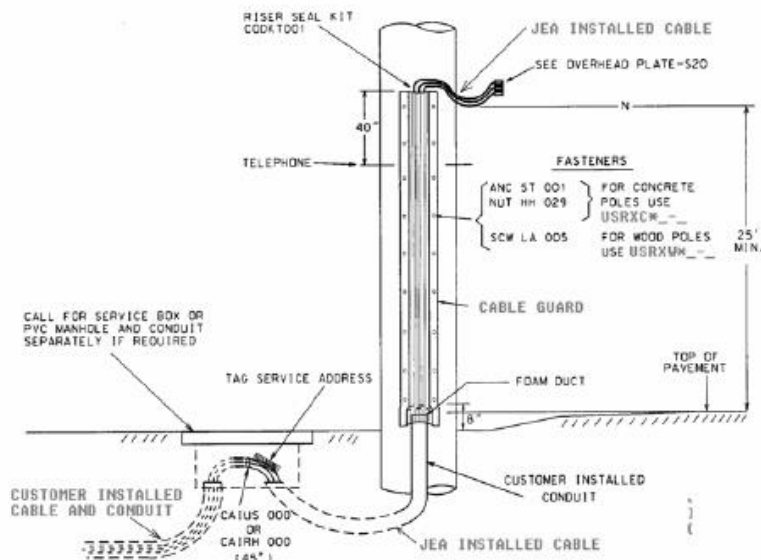
NOTE:

Plate options 4/0Q, 350Q, & 500Q include the material listed in plate USRB*__.

USRXC*_ USRXW*_

UNDERGROUND SERVICE FROM OVERHEAD POLE (1400AMP/600V MAX)

New commercial services larger than 100 amps and existing underground relocations.



ITEM	QTY	DESCRIPTION
ANCST001	20	CONC. ANCHOR STUD (CONC. OPTION)
CAIRH000	135/180	GENERAL CODE FOR CONDUCTOR (3LEG/ 4 LEG)
CAIUS000	45	GENERAL CODE FOR ALUM. TRIPLEX
CODKT001	1	RISER SEAL KIT
GUACA000	3	GENERAL CODE FOR CABLE GUARD, 10' LENGTH
NUTHH029	20	NUT, HEX HEAD (CONC. OPTION)
SCWLA005	20	SCREW, LAG (WOOD OPTION)
TAGHO002	1	HOLDER, TAG
TIETH001	2	TIE, TAG

AVAILABLE CONDUCTORS:

Copper - (AWG or kCM): 2, 4, 1/0, 2/0Q, 4/0Q, 500, 500Q
 Aluminum - (AWG or kCM): 2/0, 4/0, 350

EXAMPLE:

USRXC*350

NOTE:

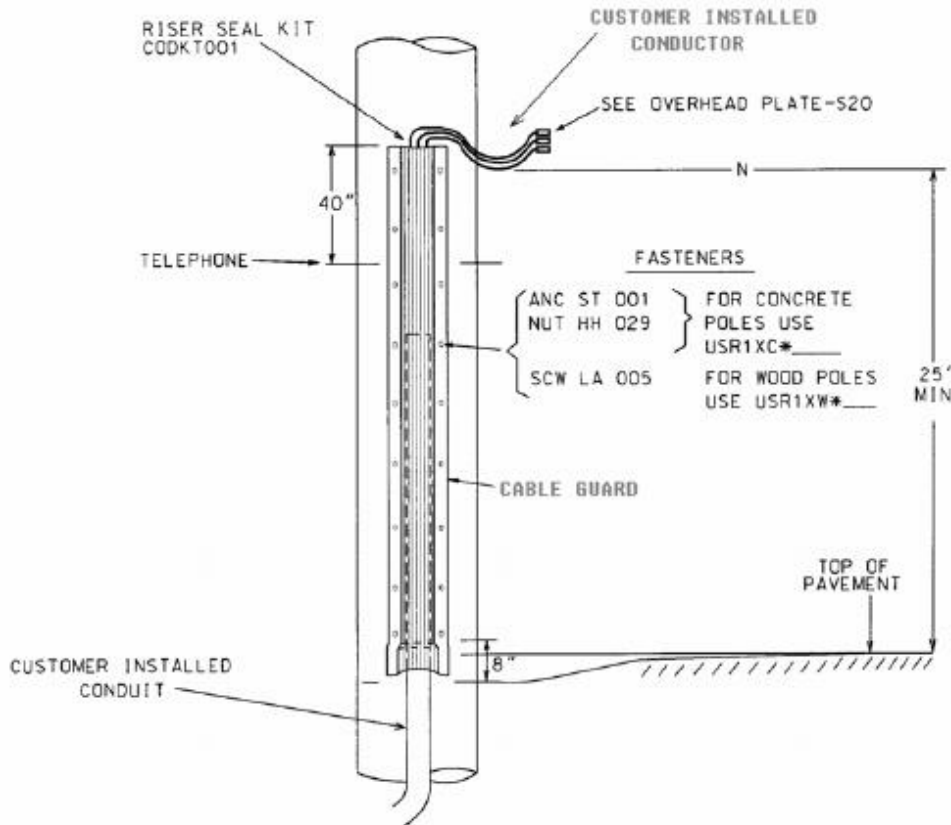
Plate options 4/0Q, 350Q, & 500Q include the material listed in plate USRB*__.

USR1XC*_

USR1XW*_

UNDERGROUND COMMERCIAL SERVICE FROM OVERHEAD POLE

100 AMP / 600V MAX



ITEM	QTY	DESCRIPTION
ANCST001	20	CONC. ANCHOR STUD (CONC. OPTION)
CODKT001	1	RISER SEAL KIT
GUACA000	3	GUARD; PLASTIC CABLE SCHDULE 40 PVC GENERAL CODE
NUTHH029	20	NUT, HEX HEAD (CONC. OPTION)
SCWLA005	20	SCREW, LAG (WOOD OPTION)

GUARD OPTIONS (INCH): 2 & 3

EXAMPLE:

USR1XW*2

This plate is for CATV, SBT, & other small commercial services.