

# SECTION 5

## **DISTRIBUTION HARDWARE & MATERIALS**

## Distribution Hardware

The standard items of hardware listed on pages 5-5 through 5-11 include the item number (for drawings), the stock number, and description.

The following is a brief discussion on a number of the more common items of distribution hardware:

### Crossarm:

The standard treated wooden crossarm is 3<sup>5</sup>/<sub>8</sub>" x 4<sup>5</sup>/<sub>8</sub>" x 8'0" and predrilled as per Type 04 of RUS drawing W2.1G (M19).

### Insulators:

The standard insulators are a 28 kV class polymer line post and a 28 kV class polymer suspension or deadend insulator.

### Deadend Clamps:

Two aluminum straight line deadend clamps, one for 2/0 and another for 4/0 or 477 will accommodate our standard bare conductor sizes.

### T-Taps & Stirrups:

T-Taps (disconnectable type) have been standardized for heavy loads and disconnect requirements on 477 AAC. Bail clamps (bolted) or stirrups (screw type) will be used with a copper hot line clamp for all other taps.

### Cutouts:

One 27 kV class, 100A loadbreak cutout, will be used for all applications requiring fusing.

### Disconnects:

Two disconnect switches used are: the 25 kV, 600A crossarm mounted hookstick operated type; and, the Cooper DAS 3-phase electronically controlled switch.

### Crimpits:

All secondary connections will be made using aluminum crimpits and cablelok crimpits.

### Copper Connectors:

- (1) The bar tap connectors will be used for all connections to the transformer spade (copper conductor only)
- (2) two bolt connectors are stocked for combining multi-conductor copper service conductors

### Line Connections:

All copper to aluminum connections will be compression type and sealed with vinyl tape.



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**Hot Line Clamp:**

Only one hot line clamp is used – copper, for connection to copper bail.

**Anchors:**

Four types of anchors are standard:

- (a) power installed screw anchor (PISA) multi-helix for heavy-guy loading
- (b) PISA-7 anchor single helix for rocky soils
- (c) Tough One® anchor for very hard soils and
- (d) expanding rock anchor

**Concrete Pole Banding:**

Rolls of either 3/4” or 1 1/4” that attaches to the concrete pole with buckles (separate item).

**Arresters:**

Two types of arresters are used:

- (a) Distribution class for transformers and other electrical equipment
- (b) Riser pole for underground application, identified by a label on the bottom of the insulating bracket

**\*\*\*\* NOTE: Stainless steel materials will be used adjacent to all coastal areas. \*\*\*\***



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## Transmission Hardware

The standard items of transmission hardware listed on pages 5-XX include the item number (for drawings), the stock number, description, and manufacturer's catalogue numbers.

### Insulators:

Two types of insulators are standard (a) a Polymer Horizontal Post Insulator 48" and (b) Polymer Suspension insulator.

### Deadend Clamp:

Aluminum straight line deadend clamp for 4/0 or 477 is used.

### Static Wire Clamp:

Used to attach static wire to bayonet.

### Armor Rods:

An aluminum armor rod (76 inches in length) shall be used with all suspension and insulator clamps.

### Guy Strand & Grips:

For most applications, aluminum clad 3/8" guy strand and preform grips will be used. For applications requiring increased corrosion resistance (i.e. coastal areas), stainless steel 3/8" guy strand and preform grips shall be used.

### Ground Wire Bayonets:

Straight and corner types are used on all structures.

### Bolts:

Many of the bolts required for TML structures are standard distribution line items, however additional lengths have been included for transmission.

### Aircraft Warning Lights:

3/4" conduit (PVC) 3/4" strap clamps and #10 wire with photo receptacle, bracket, photocell and approved ACW light.

### Pole Bands and Connecting Links:

Pole bands and connecting links will be used to attach polymer suspension insulators and down guys.

### Concrete Pole Banding:

Rolls of either 3/4" or 1-1/4" that attaches to the concrete pole with buckles (separate item).

\*\*\*\* NOTE: Stainless steel materials will be used adjacent to all coastal areas. \*\*\*\*



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## Street Lighting

### Street Light Luminaires:

New luminaire installations for CUC's street and area lighting shall be cobra head style Light Emitting Diode (LED) type fixtures. Existing High Pressure Sodium (HPS) cobra head fixtures will be replaced under a replacement program or when requiring repairs. The LED fixtures will replace HPS fixtures as follows:

<u>LED Fixture</u>	<u>HPS Fixture</u>
54 Watt	100 Watt
137 Watt	250 Watt
207 Watt	400 Watt

### Flood Lighting:

Luminaries shall be of the standard HPS type 400W and 1000W complete with distribution refractor, integral ballast and external photocontrol receptacle.

### Photocontrol:

A long life electronic photocontrol designed for use with LED lighting will be used on all LED fixtures.

### Mounting Arm:

A 2" aluminum arm in 4, 6 and 8 foot lengths will be used to mount luminaires for roadway lighting.



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ITEM	STOCK	DESCRIPTION
1		POLE - WOOD, TREATED
1A		POLE - CONCRETE
1B		POLE - COMPOSITE
2	255-00001	CROSSARM - WOOD, TREATED, 3 5/8" X 4 5/8" X 8'0"
2A	255-00005	CROSSARM - WOOD, TREATED, 16" X 4" X 8" UNDRILLED
2B	255-00006	FIBERGLASS CROSSARM - 8' TANGENT
2C	255-00007	FIBERGLASS CROSSARM - DE 2500 SERIES 8'
3	107-00001	BRACE - FLAT, FIBERGLASS, 28"
4	108-00019	BRACKET - POLE TOP
8A	457-00004	KTYPE INSULATOR
9	457-00007	INSULATOR - SUSPENSION, POLYMER, 25KV
12	633-00031	EXTENSION - FIBERGLASS POLE TOP
13	457-00008	INSULATOR - SPOOL, CLASS 53-2
14	185-00002	CLEVIS - SECONDARY DEADEND, 3 1/2" X 4"
15	185-00003	CLEVIS - THIMBLE, CAST ALUM., 2/0 - 4/0
15B	New item	CLEVIS - THIMBLE
15C	New item	CLEVIS - CLEVIS, 90°
15S	098-00008	BOLT - HEX HEAD, 1/2" X 2-1/2"
16A	098-00019	BOLT - MACH, 5/8" X 2", Galv.
16B	098-00023	BOLT - MACH, 5/8" X 6", Galv.
16D	098-00014	BOLT - MACH, 5/8" X 10", Galv.
16E	098-00015	BOLT - MACH, 5/8" X 12", Galv.
16F	098-00016	BOLT - MACH, 5/8" X 14", Galv.
16G	098-00017	BOLT - MACH, 5/8" X 16", Galv.
16H	098-00018	BOLT - MACH, 5/8" X 18", Galv.
17A	098-00009	BOLT - MACH, 3/4" X 12", Galv.
17B	098-00010	BOLT - MACH, 3/4" X 14", Galv.
17C	098-00011	BOLT - MACH, 3/4" X 16", Galv.
17D	098-00012	BOLT - MACH, 3/4" X 18", Galv.
17E	098-00013	BOLT - MACH, 3/4" X 2", Galv.
18B	098-00004	BOLT - DA, 5/8" X 22", Galv.
18C	098-00005	BOLT - DA, 5/8" X 24", Galv.
18D	098-00006	BOLT - DA, 5/8" X 26", Galv.
18E	098-00049	BOLT - D/A, 5/8" X 28", Galv.
19	New item	BOLT - OVAL EYE, 3/4" X 8", Galv.
20A	098-00021	BOLT - OVAL EYE, 5/8" X 12", Galv.
20B	098-00051	BOLT - OVAL EYE, 5/8" X 14", Galv.
20C	New item	BOLT - OVAL EYE, 5/8" X 8", Galv.
21	098-00002	BOLT - CARRIAGE, 3/8" X 5", Galv.
22	565-00005	NUT - SQUARE, 5/8", Galv.



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ITEM	STOCK	DESCRIPTION
23	565-00002	NUT - OVAL EYE, 5/8", Galv.
24	565-00006	NUT - THIMBLE EYE, DOUBLE, 3/4", Galv.
25	565-00001	NUT - OVAL EYE, 3/4", Galv.
26	744-00002	SCREW - LAG, TWIST DRIVE/DRIVE POINT, 1/2" X 4"
26A	744-00001	SCREW - LAG, TWIST DRIVE/DRIVE POINT, 1/2" X 3"
26B	744-00004	SCREW - LAG, HEX HEAD CAP
27	973-00005	WASHER - SQUARE, 2 1/4", 11/16" HOLE
27B	973-00004	WASHER - SQUARE, 4", 13/16" HOLE
28	973-00001	WASHER - CURVED, 3", 13/16" HOLE
28A	973-00008	WASHER - FLAT, 5/8" LOCK, SINGLE COIL, 3/4"
29	973-00011	WASHER - LOCK, DOUBLE COIL, 5/8"
30	973-00012	WASHER - LOCK, DOUBLE COIL, 3/4"
32	706-00005	ROD - GROUND, COPPERWELD, 5/8"/COUPLING
32A	183-00004	CLAMP - GROUND ROD, 5/8"
34	706-00001	ROD - SCREW ANCHOR, 3/4" X 7'0"
35	706-00002	ROD - EXT, SCREW ANCHOR, 3/4" X 3' 6" w/COUPLING
36	183-00017	CLAMP - ALUMINUM WEDGE TAP
37	029-00003	ANCHOR - ROCK, EXPANDING SHELL, DTE, 3/4" X 30"
37B	029-00004	ANCHOR - ROCK, EXPANDING SHELL, DTE, 3/4" X 7' 0"
38A	029-00002	ANCHOR - TOUGH ONE 10" HELIX
38B	029-00007	ANCHOR - HELIX, 8" 10" 12"
38C	029-00001	ANCHOR - POWER INSTLD SCREW, 10" HELIX, 7K
38D	029-00010	ANCHOR - DROP IN 1/2-13
39A	706-00010	EXTENSION - MULTI-HELIX ANCHOR, 3'-6"
39B	029-00005	EXTENSION - MULTI-HELIX ANCHOR, 5'-0"
40	352-00001	FITTING - SIDEWALK GUY, POLE PLATE
40A	352-00002	FITTING - SIDEWALK GUY, GUY END
41	411-00001	GUARD - GUY, PLASTIC
42	983-00002	STRAND - GUY, ALUMINIZED STEEL, 3/8" WIRE
42B	983-00009	STRAND - GUY, 316 STAINLESS STEEL, 3/8" WIRE
43	408-00001	GRIP - PREFORMED GUY, ALUMINIZED STEEL, 3/8"
43B	408-00004	GRIP - PREFORMED GUY, STAINLESS STEEL, 3/8"
44	New item	PLATE - GUY YOKE
45	437-00001	HOOK - GUY, DUCTILE IRON, 5/8", HDG
45B	New item	TEE - DEAD END
47A	457-00005	INSULATOR - GUY STRAIN, C-C, 54", 21000 LBS
47B	457-00003	INSULATOR - GUY STRAIN (LINK), C-TE, 24", 21000 LB
47C	457-00002	INSULATOR - GUY STRAIN (LINK), C-TE, 54", 21000 LB
48	457-00009	INSULATOR - GUY (JOHNNY BALL), ANSI 54-4
49A	274-00003	DEADEND - PREFORMED, 4/0 AAC



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ITEM	STOCK	DESCRIPTION
49B	274-00002	DEADEND - PREFORMED, 2/0 AAC
50A	274-00001	DEADEND - PREFORMED, INSULATED COND, #2
51A	183-00002	CLAMP - ST. LINE DEADEND, ALUM, 2-2/0
51B	183-00003	CLAMP - ST. LINE DEADEND, ALUM, 4/0-477
53	183-00006	CLAMP - TAP BRONZE #8 SOL
54	264-00003	CUTOUT - DISTRIBUTION LOADBREAK POLYMER
55		
56		
57		
58	850-00004	SWITCH - BYPASS CIRCUIT RECLOSER
60	108-00009	BRACKET - CUTOUT, POLE MT, 8"
61	108-00004	BRACKET - EQUIPMENT, 3 PHASE, FIBERGLASS
63	850-00001	SWITCH - LOADBUSTER DISCONNECT, (EV SWITCH)
64A	374-00016	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 1.4A
64B	374-00011	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 2.1A
64C	374-00012	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 3.5A
64D	374-00015	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 5.2A
64E	374-00019	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 7.0A
64F	374-00020	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 10.4A
64G	374-00017	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 14A
64H	374-00018	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 21A
64J	374-00013	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 32A
64K	374-00014	FUSELINK - CUTOUT, TFMR, TYPE SF 23", 46A
66	183-00001	CLAMP - BAIL, 1/0 - 477
69	183-00005	CLAMP - HOT LINE, ALUM, 4/0-477
70A	213-00004	CONNECTOR - BARTAP, COPPER, 6-250 8-2/0
70B	213-00002	CONNECTOR - BARTAP, COPPER, 1/0-500 6-250
70C	213-00001	CONNECTOR - BARTAP, COPPER, 750-1000 1/0-500
70D	213-00003	CONNECTOR - BARTAP, COPPER, 2-2/0 750-1000
71	213-00009	CONNECTOR - BARTAP, COPPER, 8-2/0 TMFR GRD
72	213-00010	CONNECTOR - TFMR GROUND, 8-2
72A	213-00015	CONNECTOR - Stem URD #2
72B	213-00026	CONNECTOR - Stem URD 1/0
73A	783-00001	TERMINAL - COMPRESSION PIN, ALUM, 2/0
73B	783-00002	TERMINAL - COMPRESSION PIN, ALUM, 4/0
75A	879-00002	TERMINAL - COMPRESSION PAD, ALUM, 4/0
75B	879-00001	TERMINAL - COMPRESSION PAD, ALUM, 477
76	947-00001	T TAP - DISCONNECTABLE, ALUM, 477
78A	253-00005	CRIMPIT - CTYPE, COPPER, 6-6
78B	253-00004	CRIMPIT - CTYPE, COPPER, 2-6



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ITEM	STOCK	DESCRIPTION
78C	253-00003	CRIMPIT - CTYPE, COPPER, 2-2
79A	253-00001	CRIMPIT - CTYPE, ALUM, 2
79B	253-00002	CRIMPIT - CTYPE, ALUM, 2/0
79C	253-00006	CRIMPIT - CTYPE, ALUM, 4/0
80B	253-00008	CRIMPIT - CABLELOK, ALUM, 2/0-2
80C	253-00009	CRIMPIT - CABLELOK, ALUM, 2/0-2/0
80D	213-00005	CRIMPIT - CABLELOK, ALUM, 4/0-2
80E	253-00010	CRIMPIT - CABLELOK, ALUM, 4/0-2/0
81	783-00009	SLEEVE - SERVICE ENTRANCE 2-10
82A	785-00005	SLEEVE - SERVICE ENTRANCE, 2-8 (RED-GREEN)
82B	785-00004	SLEEVE - SERVICE ENTRANCE, 2-6 (RED-BLUE)
82C	785-00003	SLEEVE - SERVICE ENTRANCE, 2-4 (RED-ORANGE)
82D	785-00011	SLEEVE - SERVICE ENTRANCE, 2-2 (RED-RED)
82E	785-00002	SLEEVE - SERVICE ENTRANCE, 1/0-8 (YELLOW-GREEN)
82F	785-00001	SLEEVE - SERVICE ENTRANCE, 1/0-2 (YELLOW-RED)
82G	785-00006	SLEEVE - SERVICE ENTRANCE, 2/0-2 (GRAY-RED)
82H	785-00007	SLEEVE - SERVICE ENTRANCE, 2/0-2/0 (GRAY-GRAY)
82J	785-00008	SLEEVE - SERVICE ENTRANCE, 3/0-2/0 (BLACK-GRAY)
82K	785-00009	SLEEVE - SERVICE ENTRANCE, 4/0-2/0 (PINK-GRAY)
82L	785-00010	SLEEVE - SERVICE ENTRANCE, 4/0-4/0 (PINK-PINK)
84A	783-00007	SLEEVE - JUMPER, ALUM, 2/0
84B	783-00008	SLEEVE - JUMPER, ALUM, 4/0
84C	784-00001	SLEEVE - JUMPER, ALUM, 477
85A	784-00002	SLEEVE - JUMPER REDUCER, ALUM, 4/0-2/0
85C	784-00005	SLEEVE - JUMPER REDUCER, ALUM, 300-2/0
85D	784-00004	SLEEVE - JUMPER REDUCER, ALUM, 300-4/0
85E	784-00006	SLEEVE - JUMPER REDUCER, ALUM, 350-2/0
85F	784-00007	SLEEVE - JUMPER REDUCER, ALUM, 350-4/0
85G	784-00008	SLEEVE - JUMPER REDUCER, ALUM, 477-4/0
85H	784-00009	SLEEVE - JUMPER REDUCER, ALUM, 477-477
86A	783-00003	SLEEVE - FULL TENSION, ALUM, 2 AAC
86B	783-00004	SLEEVE - FULL TENSION, ALUM, 2/0 AAC
86C	783-00005	SLEEVE - FULL TENSION, ALUM, 4/0 AAC
86D	783-00006	SLEEVE - FULL TENSION, ALUM, 477 AAC
87		
88A	213-00012	CONNECTOR - TWO BOLT, COPPER, 2/0-4/0
88B	213-00014	CONNECTOR - TWO BOLT, COPPER, 250-350
88C	213-00011	CONNECTOR - TWO BOLT, COPPER, 400-500
88D	213-00013	CONNECTOR - TWO BOLT, COPPER, 400-800
89A	183-00016	CONNECTOR - WEDGE, SHEAR BOLT, 477-4/0 AAC



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ITEM	STOCK	DESCRIPTION
89B	183-00017	CONNECTOR - WEDGE, SHEAR BOLT, 477-477 ASC
90		
91	037-00001	ARRESTER - DISTRIBUTION CLASS, 9KV, POLYMER
91B	037-00007	ARRESTER - RISER POLE CLASS, 9KV, POLYMER
92		TRANSFORMER-POLE MT. 120/240 VOLT
93		TRANSFORMER-POLE MT, 277 VOLT
93A		CAPACITOR
96	108-00005	BRACKET-CLUSTER MT, THREE TFMR, ALUM
97	108-00002	BRACKET-CLUSTER MT, THREE TFMR, STEEL
98A	983-00010	WIRE-BARE COPPER, SOFT DRAWN #4 SOL
99B	983-00003	WIRE-INSULATED COPPER, #2/0 STR
99C	983-00004	WIRE-INSULATED COPPER, #4/0 STR
99D	983-00005	WIRE-INSULATED COPPER, 500 STR
100B	210-00002	CONDUCTOR-BARE ALUM 2/0 AAC, ASTER
100C	210-00003	CONDUCTOR-BARE ALUM 4/0 AAC, OXLIP
100D	210-00004	CONDUCTOR-BARE ALUM 477 AAC, COSMOS
102		
103A	137-00004	CABLE-ALUM SERVICE, TRIPLEX, #2, CLAM/COV'D NEUT
103B	137-00008	CABLE-ALUM SERVICE, TRIPLEX, 2/0, NASSA
103C	137-00009	CABLE-ALUM SERVICE, TRIPLEX, 4/0, LEPAS
104A	137-00006	CABLE-ALUM SERVICE, QUAD, 2/0 THOROUGHbred
104B	137-00007	CABLE-ALUM SERVICE, QUAD, 4/0, WALKING
105	208-00002	COMPOUND-OXIDE INHIBITING, 8 OZ
107	858-00003	TAPE-VINYl(BLACK)
108B	858-00005	TAPE-VINYl(WHITE)
108C	858-00006	TAPE-VINYl(BLUE)
108D	858-00004	TAPE-VINYl(RED)
108E	858-00007	TAPE-VINYl(ORANGE)
108F	858-00008	TAPE-VINYl(GREEN)
108G	858-00009	TAPE-VINYl(YELLOW)
109	434-00003	WIREHOLDER-PIPE, 1 1/4"-3"
110	434-00002	WIREHOLDER-SCREW TYPE
111	188-00001	CLIP-GROUND WIRE BONDING, 3/4"
112	188-00002	CLIP-GROUND WIRE BONDING, 5/8"
113	004-00002	STAPLES - GROUND WIRE, 1-1/2" x 3/8"
114A	912-00001?	TIES-SERVICE CABLE, 7 1/2", OUTDOOR TYPE
114B	912-00005?	TIES-SERVICE CABLE, 11 1/2", OUTDOOR TYPE
115	411-00002	COVER-TFMR BUSHING, WILDLIFE
116	047-00001	BAND - POLE, 4-WAY
117	503-00002	LINK-CONNECTING, POLE BAND, 7 1/2"



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ITEM	STOCK	DESCRIPTION
120	108-00007	BRACKET-MID SPAN, SECONDARY
121	625-00002	PLATFORM ALUM FORM
122	107-00002	BRACE, ALLEY ARM 60"
122B		BRACE, ALLEY ARM 72"
123	836-00002	STANCHION, 36" (tfmr vault racks)
124		
125	TFM-850-00001	SWITCH-DAS, VACUUM
126		
127A	840-00004	STUD, 3/4" LINE POST INSULATOR, 5/8", LONG SHANK
127B	840-00002	STUD, 3/4" LINE POST INSULATOR, SHORT SHANK
127C	840-00003	STUD, 3/4" LINE POST INSULATOR, 3/4", LONG SHANK
128		
129		
130	098-00035	BOLT - CARRIAGE 3/8" X 5-1/2", SS
131A	098-00043	BOLT - D/A 5/8" X 20", SS
131B	098-00044	BOLT - D/A 5/8" X 22", SS
131C	098-00045	BOLT - D/A 5/8" X 24", SS
131D	098-00054	BOLT - D/A 5/8" X 26", SS
131E	098-00055	BOLT - D/A 5/8" X 28", SS
131F	098-00056	BOLT - D/A 5/8" X 30", SS
131G	098-00057	BOLT - D/A 5/8" X 32", SS
131H	098-00058	BOLT - D/A 5/8" X 34", SS
131J	098-00059	BOLT - D/A 5/8" X 36", SS
132		
133A	098-00053	BOLT - MACHINE 1/2" X 16", SS
133B	098-00065	BOLT - MACHINE 1/2" X 18", SS
134	098-00069	BOLT, 1-1/2" WITH NUT, SS
135A		
135B	098-00048	BOLT - MACHINE, 5/8" X 6", SS
135C	098-00037	BOLT - MACHINE, 5/8" X 8", SS
135D	098-00038	BOLT - MACHINE, 5/8" X 10", SS
135E	098-00039	BOLT - MACHINE, 5/8" X 12", SS
135F	098-00040	BOLT - MACHINE, 5/8" X 14", SS
135G	098-00041	BOLT - MACHINE, 5/8" X 16", SS
135H	098-00042	BOLT - MACHINE, 5/8" X 18", SS
135J	098-00060	BOLT - MACHINE, 5/8" X 20", SS
136A	098-00061	BOLT - MACHINE, 3/4" X 12", SS
136B	098-00062	BOLT - MACHINE, 3/4" X 14", SS
136C	098-00052	BOLT - MACHINE, 3/4" X 16",SS



457 NORTH SOUND RD.  
P.O. BOX 38 G.T., GRAND CAYMAN,  
CAYMAN ISLANDS, B.W.I.  
TELEPHONE: (345)-945-5300/5200

DATE: , 2017

DRAWN: C. Rose

REV.:

DATE:

## DISTRIBUTION STANDARDS

### DISTRIBUTION HARDWARE AND MATERIALS

APPROVED BY:

DATE:

**STANDARD NO.**

**5-10**

ITEM	STOCK	DESCRIPTION
136D	098-00063	BOLT - MACHINE, 3/4" X 18", SS
136E	098-00064	BOLT - MACHINE, 3/4" X 20", SS
137A	098-00046	BOLT - OVAL EYE, 5/8"X10", SS
137B	098-00047	BOLT - OVAL EYE, 5/8"X12", SS
138	098-00069	BOLT - OVAL EYE, 3/4" X 8"
139		
140	565-00008	NUT - EYE, 5/8", SS
141		
142	565-00010	NUT - SQUARE, 3/8", SS
143	565-00009	NUT - SQUARE, 5/8", SS
144	565-00011	NUT - SQUARE, 3/4", SS
145	565-00013	NUT - SCREW ANCHOR TWINEYE, SS
146	565-00014	NUT - HEX FULL 1/2", SS
147		
148		
149	744-00003	SCREW - LAG, TWIST DRIVE/DRIVE POINT, 1/2" X 3", SS
150	973-00013	WASHER - CURVED SQUARE, 3", 11/16" HOLE, SS
151	973-00018	WASHER - CURVED SQUARE, 3", 13/16" HOLE, SS
152	973-00016	WASHER - FLAT, 1/2", 2" SQ, 9/16" HOLE, SS
153	973-00009	WASHER - FLAT SQ., 2 1/4", 11/16" HOLE, SS
154	973-00015	WASHER - FLAT, 3/4", 2 1/4" SQ, 13/16" HOLE, SS
155	973-00014	WASHER - FLAT ROUND, 1/2", 9/16" HOLE, SS
156	973-00020	WASHER - FLAT SQ., 4", 7/8" HOLE, SS
157	973-00019	WASHER - LOCK, 1/2", SINGLE COIL, SS
158	973-00010	WASHER - LOCK, 5/8", SINGLE COIL, SS
159	973-00017	WASHER - LOCK, 3/4", SINGLE COIL, SS
160		
161	188-00003	CLIP-GROUND WIRE BONDING, 3/4", SS
162	188-00004	CLIP-GROUND WIRE BONDING, 5/8", SS
163	437-00002	HOOK - GUY, 5/8", STAINLESS STEEL
164	185-00007	CLEVIS - SECONDARY, STAINLESS



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<b>DISTRIBUTION STANDARDS</b>	
<b>DISTRIBUTION HARDWARE AND MATERIALS</b>	
APPROVED BY:	<b>STANDARD NO.</b> <b>5-11</b>
DATE:	

**Caribbean Utilities Company LTD**  
**Standard O/H Transmission Hardware & Materials List**

ITEM	STOCK	DESCRIPTION	MANUFACTURERS
300	457-00006	Insulator Horizontal Post 69KV	522005-1102
301			
302			
303			
304			
305A			
305B	183-00010	Clamp, Post Insulators, 477	
306			
307			
308A	056-00003	Bayonet, Corner (OHGW)	
308B	056-00004	Bayonet, Straight (OHGW)	
308C	401-00002	Gooseneck, OHGW Attachments	
309	183-00011	Clamp, OHGW 7#8 AWLD	
310	188-00001	Clip - 3/4 Ground Wire	
311	706-00004	Rod, armour Alum 477 AAC, 90663	
311A	706-00007	Rod, armour Alum 7 #8 AWLD	
312	185-00008	Clevis, Y Eye	
313			
314	565-00003	Nut, Square, 3/4 HDG, GALV	
315	973-00006	Washer, Sq, Flat 2-1/4x2-1/4X3/16 (for 3/4 bolt)	



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<b>DISTRIBUTION STANDARDS</b>	
<b>TRANSMISSION HARDWARE AND MATERIALS</b>	
APPROVED BY:	<b>STANDARD NO.</b> <b>5-12</b>
DATE:	

**Caribbean Utilities Company LTD**  
**Standard Street Lighting Materials List**

ITEM	STOCK	DESCRIPTION	MANUFACTURERS
151	LIN 520 00001	Luminaire-HPS,100W 120V	G.E. #M2RR10SS0A2AMS2195
152	LIN 520 00003	Luminaire-HPS,250W 120V	G.E. #M2RC25COA2GMC3013
153	LIN 520 00002	Luminaire-HPS,400W 120V	PDR26285-OVX40SWW3E4
154	LIN 497 00003	Light-HPS Flood, 400W 120V	TFR-400S-TA-TB-C43-PER
155	LIN 497 00001	Light-HPS Flood, 1000W 120V	TFA-1000S-TA-TB-C43-PER
156	LIN 035-00001	Arm Light Aluminum - 2 x 4	
157	LIN 126-00001	Bulb 100W 120V HPS	
158	LIN 970-00001	Photocell Electronic	
159	LIN 126-00005	Bulb, 250 Watt HPS	
160	LIN 126-00002	Bulb, 400 Watt HPS	
161	LIN 126-00004	Bulb, 1000 Watt HPS	
162	213-00027	Connector, Insulated Piercing, Type EPB	Tyco# 2832033-1



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DATE: , 2017  
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**DISTRIBUTION STANDARDS**

**STREET LIGHTING HARDWARE AND MATERIALS**

APPROVED BY:

DATE:

**STANDARD NO.**

**5-13**

**Caribbean Utilities Company LTD**  
**Standard U/G Distribution and Transmission Hardware & Materials List**

ITEM	STOCK	DESCRIPTION	MANUFACTURERS
201A	137-00001	Cable-URD Power, 15kV #2CU	
201B	137-00010	Cable-URD 500 KCMIL, 15kV	
202	137-00018	Cable-URD 1/0, 15kV	
203	880-00002	Terminator-URD Power Cable #15KV #2-3/0	
204	476-00001	Kit-Cable Prep	
205A	879-00003	Terminal-Pin, Copper #2	
205B			
208A	320-00001	Elbow-Loadbreak, 25KV, 200A, #2 AWG, W/Test Point	9U01BAD623
208B		Elbow-Loadbreak, 25KV, 200A, 1/0 AWG, W/Test Point	228LE45T
209			
210	146-00003	Cap-Insulating Bushing, 25KV	Could be 146-00001???
211			
212	130-00001	Bushing Insert-Loadbreak, 25KV	CPS# LB1225, HPS# 225BI, Elastimold# 2701A4
213			
214	130-00004	Bushing-Parking Insulated	
215			
216	341-00001	Feed Thru Accessory-Loadbreak Elbow, 25KV	
217			
218		Elbow-Grounding, 25KV	
219			
220		Lubricant-Silicone, 8 OZ Tube	



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<b>DISTRIBUTION STANDARDS</b>	
<b>UNDERGROUND HARDWARE AND MATERIALS</b>	
APPROVED BY:	<b>STANDARD NO.</b> <b>5-14</b>
DATE:	