

C:\LANL\Engineering\Bldg\Eng - Manual [LEU]\2 - Approved\ST-G4010-14E2.dwg, 11/04/02 11:28 083608

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|---|--------------------------|--|-------------|-------------------------------|---|---|---|---|
| | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| H | BILL OF MATERIALS | | | | | | | |
| | ITEM | DESCRIPTION | QTY | MFR. CATALOG No. | | | | |
| | ① | WOOD POLE, DF _____, CLASS 3 | 1 | | | | | |
| | ② | CROSS ARM, WOOD, 3 1/2" X 4 1/2" X 8'-0", 4 PIN | 2 | HUGHES #2202C | | | | |
| | ③ | CROSS ARM BRACE, 1 11/16" X 2 11/16" X 48" SPAN | 2 | BROOKS #446-48-24 | | | | |
| | ⑦ | SPRING WASHER, 5/8" SIZE | 13 | JOSLYN #J177 | | | | |
| | ⑧ | WIRE, 3/8" (7#6) H.S. STATIC, 30% COND. | AS REQ'D | COPPERWELD | | | | |
| G | ⑨ | POLE BAND, 4-WAY, FOR 7 1/2" TO 12" DIA. | 2 | HUGHES #1111 | | | | |
| | ⑩ | LAG SCREW, 1/2" X 4" | 2 | JOSLYN #J8784 | | | | |
| | ⑪ | CONNECTING LINK | 2 | HUGHES #3170 | | | | |
| | ⑫ | GUY ROLLER, WHEEL TYPE, WITH 3/4" X 2" BOLT | 2 | HUGHES #28082 | | | | |
| | ⑬ | GUY GRIP DEAD END, "B" COAT, 3/8" SIZE, GALVANIZED | 2 | PREFORMED #CDE3115 | | | | |
| | ⑮ | CRIMP CONNECTOR | 4 | HYTAP | | | | |
| F | ⑯ | LOW VOLTAGE STEEL PIN, 5/8", 6" HEIGHT | 6 | JOSLYN #J2072 | | | | |
| | ⑰ | PIN INSULATOR, ANSI CLASS 55-5 | 6 | VICTOR #9R | | | | |
| | ⑱ | MACHINE BOLT, 1/2" X 6" | 4 | JOSLYN #J8706 | | | | |
| | ⑲ | SPRING WASHER, 1/2" SIZE | 4 | JOSLYN #J176 | | | | |
| | ⑳ | MACHINE BOLT, 5/8" X 14" | 1 | JOSLYN #J8814 | | | | |
| | ㉒ | SQUARE WASHER, 5/8" SIZE | 4 | JOSLYN #J1074 | | | | |
| | ㉓ | DOUBLE ARMING BOLT, 5/8" X 22" | 3 | JOSLYN #J8872 | | | | |
| E | ㉔ | EYE NUT, 5/8" SIZE | 12 | JOSLYN #J1082 | | | | |
| | ㉕ | SUSPENSION INSULATOR, POLYMER | 12 | LAPP #151001A | | | | |
| | ㉖ | STRAIN CLAMP, DEADEND | 6 | HUBBELL/ANDERSON #GDW-2040 | | | | |
| | ㉗ | DIST. TIES FOR 3/0 ACSR (6/1) | 6 | PREFORMED #UTF-1207 | | | | |
| | ㉘ | NO. 1/0 BARE COPPER WIRE, 7 STRAND | AS REQ'D | | | | | |
| D | ㉚ | GROUND WIRE STAPLES, 2" | AS REQ'D | JOSLYN #J6655 | | | | |
| | ㉛ | GROUND ROD, 3/4" X 8" | 1 | JOSLYN #J5338 | | | | |
| | ㉜ | GROUND ROD CLAMP, HEX HEAD, 3/4" | 1 | JOSLYN #J8493 | | | | |
| | ㉞ | LINE TAP CRIMPITS, COPPER YC-C | 6 | FCI-BURNCY #YC26C26 | | | | |
| | ㉟ | LINE TAP CRIMPITS, ACST YP-U | 6 | | | | | |
| C | | | | | | | | |
| B | | | | | | | | |
| A | | | | | | | | |

GENERAL NOTES:

- THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-14, SHT. 1.
- EQUIPMENT ITEM NUMBERS (①) REFER TO EQUIPMENT NUMBERS IN LANL SUPPORT SERVICES CONTRACTOR'S MASTER BILL OF MATERIALS. ONLY THOSE NUMBERS USED ON SHT. 1 OF THIS DRAWING ARE SHOWN.

NOTES FOR DESIGNER:
 (DO NOT INCLUDE ON CONSTRUCTION DRAWING)
 1. COMPLY WITH CURRENT EDITION OF LANL DRAFTING MANUAL FOR CALL-OUTS PROTOCOL AND LOCATION OF SCHEDULES/MATERIAL.
 2. ASSIGN AN APPROPRIATE DRAWING NUMBER PER CURRENT EDITION OF LANL DRAFTING MANUAL PROTOCOL FOR DETAILS.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

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|--|------|--------------|-------------|--|----------------|----------|------|---------|
| NO | DATE | CLASS REV | DESCRIPTION | OWN | VER | CHKD | SUB | APP |
| FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE | | | | | | | | |
| LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS. | | | | DRAWN | M. BAKER | | | |
| DISTRIBUTION - 60°-90° ANGLE STRUCTURE BILL OF MATERIALS | | | | DESIGN | D. BRYANT | | | |
| BLDG. X | | | | CHECKED | J. LANDMAN | | | |
| SUBMITTED | | | | DATE | 9/30/02 | | | |
| DISCIPLINE POCI DAVID POWELL | | | | APPROVED FOR RELEASE STANDARDS MANAGER TOSH GRUCH | | | | |
| | | | | SHEET | 2 | | | |
| CLASSIFICATION U | | | | REVIEWER | MICHAEL LADACH | | DATE | 9/30/02 |
| PROJECT ID | | | | DRAWING NO | | REV | | |
| CHAPTER 7 | | | | ST-G4010-14 | | 0 | | |