

G:\LANL Engineering Standards\Eng. Manual [LEI] \2 - Approved\ST-G4010-30E2.dwg, 11/04/02 10:51 083088

	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	4	HUGHES #2202C				
	③	CROSS ARM BRACE, 1 11/16" X 2 11/16" X 48" SPAN	4	BROOKS #44B-4B-24				
	⑦	SPRING WASHER, 5/8" SIZE	7	JOSLYN #J177				
	⑧	WIRE, 3/8" (7#8) H.S. STATIC, 30% COND.	AS REQ'D	COPPERWELD				
G	⑨	POLE BAND, 4-WAY, FOR 7 1/2" TO 12" DIA.	1	HUGHES #1111				
	⑩	LAG SCREW, 1/2" X 4"	1	JOSLYN #J8784				
	⑪	CONNECTING LINK	1	HUGHES #3170				
	⑫	GLY ROLLER, WHEEL TYPE, WITH 3/4" X 2" BOLT	1	HUGHES #28082				
	⑬	GLY GRIP DEADEND, "B" COAT, 3/8" SIZE, GALV.	1	PREFORMED #CDE3115				
	⑮	CRIMP CONNECTOR	2	HYTAP				
F	⑯	LOW VOLTAGE STEEL PIN, 5/8", 6" HEIGHT	12	JOSLYN #J207Z				
	⑰	PIN INSULATOR, ANSI CLASS 55-5	12	VICTOR #9R				
	⑱	MACHINE BOLT, 1/2" X 8"	8	JOSLYN #J870B				
	⑲	SPRING WASHER, 1/2" SIZE	8	JOSLYN #J176				
	⑳	MACHINE BOLT, 5/8" X 14"	2	JOSLYN #J8814				
	㉒	SQUARE WASHER, 5/8" SIZE	6	JOSLYN #J1074				
	㉓	DOUBLE ARMING BOLT, 5/8" X 22"	6	JOSLYN #J8872				
E	㉔	EYE NUT, 5/8" SIZE	6	JOSLYN #J1092				
	㉕	SUSPENSION INSULATOR, POLYMER	12	JOSLYN #L151D				
	㉖	STRAIN CLAMP, DEADEND	6	HUBBELL/ANDERSON #GDW-2040				
	㉘	DIST. FUSE CUTOFF, 100 AMP.	3	KEARNEY #144261-020				
	㉙	DIST. TYPE METAL OXIDE SURGE ARRESTER WITH MOUNTING BRACKET	3	HUBBELL/OHIO BRASS MODEL PDV-100, #213613-7224				
	㉚	NO. 1/D BARE COPPER WIRE, 7 STRAND	AS REQ'D					
D	㉛	GROUND WIRE STAPLE, 2"	AS REQ'D	JOSLYN #J8855				
	㉜	GROUND ROD, 3/4" X 8'	1	JOSLYN #J5338				
	㉝	GROUND ROD CLAMP, HEX HEAD, 3/4"	1	JOSLYN #J8493				
	㉞	WEJTAP CONNECTOR	9	FCI-BURNDY (# AS REQUIRED)				
	⑩⑥		1					
	⑩⑦		2					
C	⑩⑧		2					
B								
A								

- GENERAL NOTES:**
- THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-30, 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).

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				
PRIMARY METERING 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 TOBIN GRUCH				
				SHEET	2				
CLASSIFICATION U				REVIEWER	MICHAEL LADOGH				
PROJECT ID				DATE	9/30/02				
CHAPTER 7				DRAWING NO	ST-G4010-30				
REV				0					