

C:\LANL Engineering Standards\Eng. Manual [LE]1.2. Approved\ST-G4010-29E2.dwg, 11/04/02 16:29 033948

	8	7	6	5	4	3	2	1
H	BILL OF MATERIALS							
	ITEM	DESCRIPTION	QTY	MFR. CATALOG No.				
	①	WOOD POLE, DF _____, CLASS 3	2					
	⑦	SPRING WASHER, 5/8" SIZE	11	JOSLYN #J177				
	⑨	POLE BAND, 4-WAY, FOR 7 1/2" TO 12" DIA.	4	HUGHES #1111				
	⑩	LAG SCREW, 1/2" X 4"	4	JOSLYN #JB7B4				
	⑪	CONNECTING LINK	14	HUGHES #3170				
	⑫	GUY ROLLER, WHEEL TYPE, WITH 3/4" X 2" BOLT	14	HUGHES #28082				
	⑬	GUY GRIP DEADEND, "B" COAT, 3/8" SIZE, GALV.	14	PREFORMED #CDE3115				
	⑭	CRIMP CONNECTOR	AS REQ'D	HYTAP				
	⑮	CRIMP CONNECTOR	14	HYTAP				
	⑯	LOW VOLTAGE STEEL PIN, 5/8", 8" HEIGHT	3	JOSLYN #J2072				
	⑰	PIN INSULATOR, ANSI CLASS 55-5	3	VICTOR #BR				
	⑳	SQUARE WASHER, 5/8" SIZE	8	JOSLYN #J1074				
	㉑	DOUBLE ARMING BOLT, 5/8" X 22"	8	JOSLYN #J8872				
	㉒	EYE NUT, 5/8" SIZE	16	JOSLYN #J1092				
	㉓	SUSPENSION INSULATOR, POLYMER	30	JOSLYN #L1510				
	㉔	STRAIN CLAMP, DEADEND	15	HUBBELL/ANDERSON #GDW-2040				
	㉕	CLAMP, HOT LINE, FOR ACSR	9	CHANCE #51530-AGP				
	㉖	HOT LINE CLAMP ADAPTER, 1/0-4/0 ACSR	9	FCI-BURNDY #YCB-28U26				
	㉗	INTER. TYPE METAL OXIDE SURGE ARRESTER	3	HUBBELL/OHIO BRASS MODEL PDV-100, #213813				
	㉘	INTER. ARRESTER, MOUNTING BRACKET	1	HUBBELL/OHIO BRASS #7224				
	㉙	NO. 1/0 BARE COPPER WIRE, 7 STRAND	AS REQ'D					
	㉚	GROUND WIRE STAPLE, 2"	AS REQ'D	JOSLYN #J6655				
	㉛	GROUND ROD, 3/4" X 8'	2	JOSLYN #J5338				
	㉜	GROUND ROD CLAMP, HEX HEAD, 3/4"	2	JOSLYN #JB4B3				
	㉝	4" X 8" X 18' FIR TIMBER	11					
	㉞		9					
	㉟		2					
	㊱		2					
	㊲	"X" BRACE FOR 12'-0" C. TO C.	4	HUGHES #1042-12-0				
	㊳	3/4" X 18" GALVANIZED BOLT	12	JOSLYN #JB91B				
	㊴	3/4" GALVANIZED SPRING WASHER	12	JOSLYN #J3541				
	㊵	4" X 4" X 1/4" GALVANIZED SQUARE WASHER, 7/8" HOLE	12	JOSLYN #J1082				

- GENERAL NOTES:**
- THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-29, 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	CHKD	SUB	APP	
FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE									
LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS.					DRAWN	M. BAKER			
STANDARD 4-POLE GANG SWITCH INSTALLATION BILL OF MATERIALS					DESIGN	D. BRYANT			
BLDG. X TA-X					CHECKED	J. LANDMAN			
SUBMITTED					DATE	8/30/02			
DISCIPLINE POC: TOBIN GRUCH					APPROVED FOR RELEASE STANDARDS MANAGER TOBIN GRUCH				
					SHEET 2				
CLASSIFICATION U					REVIEWER MICHAEL LADACH				
PROJECT ID CHAPTER 7					DATE 8/30/02 DRAWING NO ST-G4010-29				
REV 0					REV 0				