

C:\LANL Engineering Standards\Eng. Manual [LB]\2. Approved\ST-G4010-17E2.dwg, 11/04/02 11:52 08398B

	8	7	6	5	4	3	2	1
H	<b>BILL OF MATERIALS</b>							
	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	3	HUGHES #2202C				
	③	CROSS ARM BRACE, 1 11/16" X 2 11/16" X 48" SPAN	3	BROOKS #446-48-24				
	⑦	SPRING WASHER, 5/8" SIZE	8	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.	3	HUGHES #1111				
	⑩	LAG SCREW, 1/2" X 4"	3	JOSLYN #JB7B4				
	⑪	CONNECTING LINK	1	HUGHES #3170				
	⑫	GUY ROLLER, WHEEL TYPE, WITH 3/4" X 2" BOLT	1	HUGHES #28082				
	⑬	GUY GRIP DEAD END, "B" COAT, 3/8" SIZE, GALVANIZED	1	PREFORMED #CDE3115				
	⑮	CRIMP CONNECTOR	5	HYTAP				
F	⑯	LOW VOLTAGE STEEL PIN, 5/8", 6" HEIGHT	7	JOSLYN #J207Z				
	⑰	PIN INSULATOR, ANSI CLASS 55-5	7	VICTOR #BR				
	⑱	MACHINE BOLT, 1/2" X 6"	6	JOSLYN #JB706				
	⑲	SPRING WASHER, 1/2" SIZE	6	JOSLYN #J176				
	⑳	MACHINE BOLT, 5/8" X 14"	2	JOSLYN #JB814				
	㉒	SQUARE WASHER, 5/8" SIZE	4	JOSLYN #J1074				
	㉓	DOUBLE ARMING BOLT, 5/8" X 22"	3	JOSLYN #JB872				
E	㉔	EYE NUT, 5/8" SIZE	6	JOSLYN #J1092				
	㉕	SUSPENSION INSULATOR, POLYMER	6	JOSLYN #L1510				
	㉖	STRAIN CLAMP, DEADEND	3	HUBBELL/ANDERSON #GDW-2040				
	㉗	DIST. TIES FOR 3/0 ACSR (6/1)	7	PREFORMED #UTF-1207				
	㉘	NO. 1/D BARE COPPER WIRE, 7 STRAND	AS REQ'D					
D	㉙	GROUND WIRE STAPLES, 2"	AS REQ'D	JOSLYN #JB855				
	㉚	GROUND ROD, 3/4" X 8"	1	JOSLYN #J533B				
	㉛	GROUND ROD CLAMP, HEX HEAD, 3/4"	1	JOSLYN #JB493				
	㉜	LINE TAP CRIMPITS, COPPER YC-C	3	FCI-BURNCY #YC26C26				
	㉝	LINE TAP CRIMPITS, ACST YP-U	3					
C								
B								
A								

**GENERAL NOTES:**

- THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-17, 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	
<b>FACILITY &amp; WASTE OPERATIONS SYSTEMS ENGINEERING &amp; MAINTENANCE</b>									
<b>LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS.</b>				DRAWN	M. BAKER				
DISTRIBUTION - SINGLE ARM TANGENT AND 3-WAY TAP STRUCTURE - BILL OF MATERIALS				DESIGN	D. BRYANT				
				CHECKED	J. LANDMAN				
				DATE	9/30/02				
BLDG. X TA-X SUBMITTED				APPROVED FOR RELEASE STANDARDS MANAGER TOSH GRUCH					
				SHEET		2			
CLASSIFICATION U				REVIEWER		DATE 9/30/02			
PROJECT ID				DRAWING NO		REV			
<b>CHAPTER 7</b>				<b>ST-G4010-17</b>		<b>0</b>			