

C:\LANL\Engineering\Bldgs\Eng. Manual [LEU]\2. Approved\ST-G4010-11E2.dwg, 10/31/02, 14:27 083608

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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				
	④	RIDGE IRON, SHIELD WIRE TYPE	1	HUGHES #1155				
	⑤	SUSPENSION CLAMP	1	HUBBELL/ANDERSON #MS-46-N				
G	⑥	MACHINE BOLT, 5/8" X 12"	2	JOSLYN #J8812				
	⑦	SPRING WASHER, 5/8" SIZE	15	JOSLYN #J177				
	⑧	WIRE, 3/8" (7#8) H.S. STATIC, 30% COND.	AS REQ'D	COPPERWELD				
	⑮	CRIMP CONNECTOR	1	HYTAP				
	⑯	LOW VOLTAGE STEEL PIN, 5/8", 6" HEIGHT	8	JOSLYN #J207Z				
	⑰	PIN INSULATOR, ANSI CLASS 55-5	6	VICTOR #9R				
F	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	9	JOSLYN #J1074				
	㉓	DOUBLE ARMING BOLT, 5/8" X 22"	3	JOSLYN #J8872				
	㉔	DIST. TIES FOR 3/0 ACSR (6/1)	6	PREFORMED #UTF-1207				
E	㉕	NO. 1/0 BARE COPPER WIRE, 7 STRAND	AS REQ'D					
	㉖	GROUND WIRE STAPLES, 2"	AS REQ'D	JOSLYN #J6655				
	㉗	GROUND ROD, 3/4" X 8"	1	JOSLYN #J5338				
	㉘	GROUND ROD CLAMP, HEX HEAD, 3/4"	1	JOSLYN #J8493				

GENERAL NOTES:
 1. THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-11, SHT. 1.
 2. 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				
DISTRIBUTION - 0°-15° 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			
NATIONAL LABORATORY				SHEET		2			
PO Box 1663 Los Alamos, New Mexico 87545				2		of 2			
CLASSIFICATION U			REVIEWER MICHAEL LADACH		DATE 8/30/02				
PROJECT ID			DRAWING NO		REV				
CHAPTER 7			ST-G4010-11		0				