

C:\LANL\Engineering\Bldg\Eng - Manual [LEU]\2 - Approved\ST-G4010-12E2.dwg, 11/04/02 10:40 083308

	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 #JB7B4				
	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 #J207Z				
	⑰	PIN INSULATOR, ANSI CLASS 55-5	6	VICTOR #BR				
	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 #JB814				
	㉑	SQUARE WASHER, 5/8" SIZE	4	JOSLYN #J1074				
	㉒	DOUBLE ARMING BOLT, 5/8" X 22"	3	JOSLYN #JB872				
E	㉔	EYE NUT, 5/8" SIZE	12	JOSLYN #J1092				
	㉕	SUSPENSION INSULATOR, POLYMER	12	JOSLYN #L1510				
	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/D BARE COPPER WIRE, 7 STRAND	AS REQ'D					
D	㉚	GROUND WIRE STAPLES, 2"	AS REQ'D	JOSLYN #J8855				
	㉛	GROUND ROD, 3/4" X 8'	1	JOSLYN #J533B				
	㉜	GROUND ROD CLAMP, HEX HEAD, 3/4"	1	JOSLYN #JB4B3				
	㉞	LINE TAP CRIMPITS, COPPER YC-C	3	FCI-BURNCY #YC26C26				
	㉟	LINE TAP CRIMPITS, ACST YP-U	3					
C								
B								
A								

GENERAL NOTES:
 1. THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-12, 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 - 16"-28" ANGLE STRUCTURE BILL OF MATERIALS				DESIGN	D. BRYANT			
BLDG. X TA-X				CHECKED	J. LANDMAN			
SUBMITTED APPROVED FOR RELEASE				DATE	9/30/02			
DISCIPLINE POCI DAVID POWELL STANDARDS MANAGER TOSH GRUCH				SHEET				
NATIONAL LABORATORY PO Box 1663 Los Alamos, New Mexico 87545				2	of		2	
CLASSIFICATION U REVIEWER MICHAEL LADACH				DATE		9/30/02		
PROJECT ID DRAWING NO				CHAPTER 7		ST-G4010-12		REV
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