

C:\LANL\Engineering\Bldg\Bldg\Eng - Manual [LEU]\2 - Approved\ST-G4010-04\B2.dwg, 10/31/02, 08:18 083308

	8	7	6	5	4	3	2	1
H	BILL OF MATERIALS							
	ITEM	DESCRIPTION	QTY	MFR. CATALOG No.				
	①	POLES: _____ FL CLASS _____	3					
	⑫	SUSPENSION CLAMP: WITH 90° Y-EYE FOR 3/8", 7 STRAND SHIELD WIRE	2	HUBBELL/ANDERSON #MS-70-N WITH #YC5-05-90				
	⑬	ARMOR ROD: 3/8", 7 STRAND E.H.S.	2	PREFORMED #AR-1130				
	⑭	SHIELD WIRE DAMPER	4	ALCOA #1701-3				
	⑮	STEEL CABLE: 1/2", 7 STRAND E.H.S.	280 FL	NATIONAL STRAND PRODUCTS; HOUSTON, TEXAS				
	⑯	CONNECTING LINK	7 PR.	HUGHES #3154				
	⑰	GUY ROLLER	5	HUGHES #28082				
	⑱	MACHINE BOLT: 7/8" x 3" WITH #MF80 LOCKNUT	5	HUGHES #B83-2				
	⑳	GUY GRIP: 1/2", 7 STRAND E.H.S.	12	PREFORMED #BG-2115				
	㉑	Y-BALL	3	HUBBELL/ANDERSON #YBC-30				
	㉒	SWINGING ANGLE BRACKET	3	HUGHES #2842.7				
	㉓	SUSPENSION CLAMPS: WITH SOCKET EYE FOR 477 KCM 26/7 ACSR	3	HUBBELL/ANDERSON #HAS-139-S				
	㉔	SUSPENSION INSULATORS: 15,000# TEST WITH BALL & SOCKET CLASS 52-5	21	LAPP #5960G				
	㉕	ARMOR ROD: FOR 477 KCM 26/7 ACSR	3	PREFORMED #AR-0134				
	㉖	CONDUCTOR DAMPER	6	ALCOA #1705-7				
	㉗	GUY STRAIN INSULATOR: FIBERGLASS, 6'-6" WITH ROLLER & 2 PINS	3	MACLEAN POWER SYSTEMS #GCC30-78R				
	㉘	ANCHOR ROD: 1-1/4" x 10' WITH INSULATING WASHER, HEAVY CAST STEEL NUT & STEEL WASHER COATED WITH MASTIC ASPHALT & COVERED BY A PLASTIC PIPE	4	NATIONAL FOUNDRY #12510				
	㉙	ANCHOR PLATE	4	NATIONAL FOUNDRY #NF024B-14				
	㉚	GROUND WIRE: 30% CONDUCTIVITY, 3#8 (REFER TO POLE HEIGHT FOR LENGTH)	AS REQ'D	COPPERWELD				
	㉛	GROUND ROD: 5/8" x 10'-0" SECTIONAL	3	THOMAS & BETTS/BLACKBURN #6260S				
	㉜	GROUND ROD COUPLERS: 5/8" ROD	2	THOMAS & BETTS/BLACKBURN #50C				
	㉝	GROUND ROD CONNECTOR: 5/8" ROD TO GROUND WIRE 3#8 (1)	1	FCI-BURNNDY HYTAP #YGHP2BC2				
	㉞	CRIMPIT: 1/2" STEEL TO (1) 3#8 WIRE	1	FCI-BURNNDY #YC28U26				
	㉟	POLE BAND: 2 WAY 180° (8" - 10")	3	HUGHES #3108.5				

GENERAL NOTES:
 1. THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-04, 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			
TANGENT STRUCTURE 4D4 (9'-24") BILL OF MATERIALS					DESIGN	D. BRYANT			
BLDG. X <small>BLDG. X</small>					CHECKED	J. LANDMAN			
<small>TA-X</small>					DATE	9/30/02			
<small>DISCIPLINE POCI DAVID POWELL</small>					<small>APPROVED FOR RELEASE STANDARDS MANAGER TOSH GRUCH</small>				
					SHEET	2			
<small>PO Box 1663 Los Alamos, New Mexico 87545</small>					2	of		2	
<small>CLASSIFICATION U</small>					REVIEWER	MICHAEL LADACH		DATE 8/30/02	
<small>PROJECT ID</small>					DRAWING NO		REV		
CHAPTER 7					ST-G4010-04		0		