

C:\LANL\Engineering\Batteries\Eng. Manual [LEU]\2. Approved\ST-G4010-05B2.dwg, 10/21/02, 09:32 093508

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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 #YCS-D5-90				
	⑬	ARMOR ROD: 3/8", 7 STRAND E.H.S.	2	PREFORMED #AR-1130				
	⑮	SHIELD WIRE DAMPER	4	ALCOA #1701-3				
	⑲	STEEL CABLE: 1/2", 7 STRAND E.H.S.	AS REQ'D	NATIONAL STRAND PRODUCTS; HOUSTON, TEXAS				
	⑳	CONNECTING LINK	13 PR	HUGHES #3154				
	㉑	GUY ROLLER	5	HUGHES #2B082				
	㉒	MACHINE BOLT: 7/8" x 3" WITH #MF80 LOCKNUT	5	HUGHES #B83-2				
	㉓	GUY GRIP: 1/2", 7 STRAND E.H.S.	12	PREFORMED #BC-2115				
	㉔	Y-BALL	3	HUBBELL/ANDERSON #YBC-30				
	㉗	SUSPENSION CLAMP: WITH SOCKET EYE FOR 397.5 KCM 26/7 ACSR	3	HUBBELL/ANDERSON #HAS-147-S				
	㉘	SUSPENSION INSULATOR: 15,000# TEST WITH BALL & SOCKET CLASS 52-5	21	LAPP #5B6DG				
	㉙	ARMOR ROD: FOR 397.5 KCM 26/7 ACSR	3	PREFORMED #AR-0132				
	㉚	CONDUCTOR DAMPER	6	ALCOA #1705-7				
	㉛	GUY STRAIN INSULATOR: FIBERGLASS, 6'-6" WITH ROLLER & 2 PINS	3	MACLEAN POWER SYSTEMS #GCC30-78R				
	㉞	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				
	㉟	ANCHOR PLATE	4	NATIONAL FOUNDRY #NF024B-14				
	㊳	GROUND WIRE: 30% CONDUCTIVITY, 3#B (REFER TO POLE HEIGHT FOR LENGTH)	AS REQ'D	COPPERWELD				
	㊴	GROUND ROD: 5/8" x 10'-0" SECTIONAL	3	THOMAS & BETTS/BLACKBURN #B260S				
	㊵	GROUND ROD COUPLER: 5/8" ROD	2	THOMAS & BETTS/BLACKBURN #B0C				
	㊶	GROUND ROD CONNECTOR: 5/8" ROD TO GROUND WIRE 3#B (1)	1	FCI-BURNDY HYTAP #YGHP2B02				
	㊷	CRIMPIT: 1/2" STEEL TO (1) 3#B WIRE	1	FCI-BURNDY #YC28U26				
	㊸	POLE BAND: 2 WAY 180° (12" -14")	3	HUGHES #3108.7				
	㊹	POLE BAND: 2 WAY 180° (8" -10")	3	HUGHES #3108.5				

GENERAL NOTES:
 1. THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-05, 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 405 (25'-45') BILL OF MATERIALS					DESIGN	D. BRYANT				
BLDG. X <small>BLDG. X</small>					CHECKED	J. LANDMAN				
<small>DISCIPLINE POCI DAVID POWELL</small>					DATE	9/30/02				
					APPROVED FOR RELEASE	STANDARDS MANAGER TOSH GRUCH				
CLASSIFICATION U					SHEET	2				
PROJECT ID					DATE	8/30/02				
CHAPTER 7					DRAWING NO	ST-G4010-05				
REVIEWER MICHAEL LADACH					REV	0				