

G:\LANL Engineering Standards\Eng. Manual (LEU)\2. Approved\ST-G4010-06B2.dwg, 10/31/02 11:15 053088

	8	7	6	5	4	3	2	1
H	BILL OF MATERIALS							
	ITEM	DESCRIPTION	QTY	MFR. CATALOG No.				
	①	POLES: _____ FL CLASS _____ POLES: _____ FL CLASS _____	2 1					
	⑤	CROSS ARM ASSEMBLY: SPLICES SINGLE ARM WITH EYE BOLTS & MOUNTING ASSEMBLY	1	HUGHES C2561.2B				
	⑬	SHIELD WIRE DAMPER	4	ALCOA #1701-3				
	⑮	STEEL CABLE: 1/2", 7 STRAND E.H.S.	200'	NATIONAL STRAND PRODUCTS; HOUSTON, TEXAS				
G	⑯	PARALLEL GROOVE CLAMPS: FOR _____ KCM ACSR	3	BURNDY CP _____ A _____ A				
	⑳	CONNECTING LINK	2D PR	HUGHES #3154				
	㉑	GUY ROLLER	4	HUGHES #28082				
	㉒	MACHINE BOLT: 7/8" x 3" WITH #MF80 LOCKNUT	4	HUGHES #BB3-2				
	㉓	GUY GRIP: 1/2", 7 STRAND E.H.S.	22	PREFORMED #BG-2115				
F	㉔	SHIELD WIRE DEAD END STRAIN CLAMP: FOR 3/8", 7 STRAND STEEL CABLE	4	HUBBELL/ANDERSON #SWDE-55-N				
	㉕	Y-BALL	9	HUBBELL/ANDERSON #YBC-30				
	㉖	SUSPENSION INSULATORS: 15,000# TEST WITH BALL & SOCKET CLASS 52-5	21	LAPP #5960G				
	㉗	SUSPENSION INSULATORS: GRAY, 20,000# TEST WITH BALL & SOCKET	42	LAPP #B1236H-70				
	㉘	DEAD END STRAIN CLAMP: FOR 477 KCM 26/7 ACSR WITH SOCKET	6	HUBBELL/ANDERSON #SD-B6-S W/#SA-D7				
E	㉙	CONDUCTOR DAMPER	6	ALCOA #1705-7				
	㉚	SUSPENSION CLAMP: WITH SOCKET EYE FOR 477 KCM 26/7 ACSR	3	HUBBELL/ANDERSON #HAS-139-S				
	㉛	GUY STRAIN INSULATOR: FIBERGLASS, 6'-6" WITH ROLLER & 2 PINS	6	MACLEAN POWER SYSTEMS #GCC30-7BR				
D	㉜	ANCHOR ROD: 1 1/4" X 10' WITH INSULATING WASHER, HEAVY CAST STEEL NUT & STEEL WASHER COATED W/MASTIC ASPHALT & COVERED BY A PLASTIC PIPE	10	NATIONAL FOUNDRY #1251D				
	㉝	ANCHOR PLATE	10	NATIONAL FOUNDRY #NF024B-14				
	㉞	GROUND WIRE: 30% CONDUCTIVITY, 3-#8 (REFER TO POLE HEIGHT FOR LENGTH)	AS REQ'D	COPPERWELD				
	㉟	GROUND ROD: 5/8" X 10'-0" SECTIONAL	8	THOMAS & BETTS/BLACKBURN #8260S				
	㊱	GROUND ROD COUPLER: 5/8" ROD	4	THOMAS & BETTS/BLACKBURN #80C				
	㊲	GROUND ROD CONNECTOR: 5/8" ROD TO GROUND WIRE 3#8 (1)	4	FCI-BURNDY HYTAP #YGHP29C2				
C	㊳	CRIMPIT: 1/2" STEEL TO (1) 3#8 WIRE	4	FCI-BURNDY #YC28U26				
	㊴	POLE BAND: 2 WAY, 180 DEGREE (12"-14")	6	HUGHES #3108.7 W/#2718.55 BONDING UNIT				
	㊵	POLE BAND: 2 WAY, 180 DEGREE (10"-12")	2	HUGHES #3108.8 W/#2718.55 BONDING UNIT				
	㊶	POLE BAND	2	HUGHES #AS2526-A				
B								
A								

GENERAL NOTES:

- THIS BILL OF MATERIALS APPLIES TO DRAWING ST-G4010-06, 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	
FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE									
LANL ENGINEERING MANUAL SITE ELECTRICAL DISTRIBUTION STDS.				DRAWN	M. BAKER				
TANGENT STRUCTURE 408 (45'-68") BILL OF MATERIALS				DESIGN	D. BRYANT				
BLDG. X				CHECKED	J. LANDMAN				
SUBMITTED				DATE	9/30/02				
DISCIPLINE POC: DAVID POWELL				APPROVED FOR RELEASE STANDARDS MANAGER TOBIN GRUCH					
				SHEET 2					
CLASSIFICATION U				REVIEWER MICHAEL LADOGH		DATE 9/30/02			
PROJECT ID CHAPTER 7				DRAWING NO ST-G4010-06		REV 0			