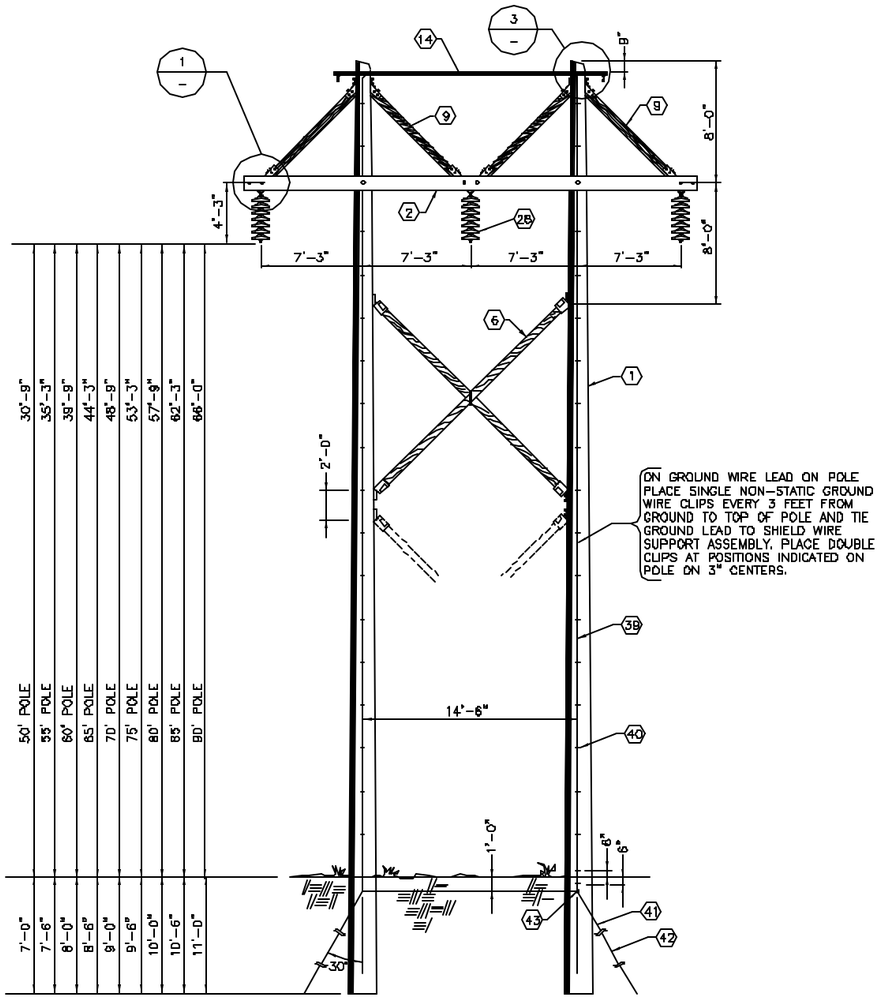
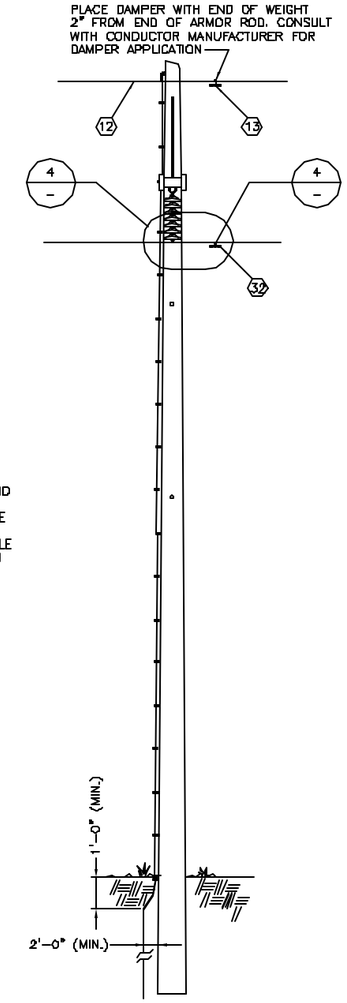


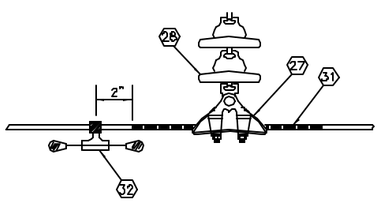
FRONT VIEW



SIDE VIEW

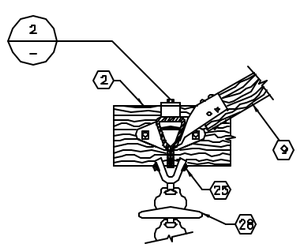
STRUCTURE 401 (0°) DETAIL

SCALE: NONE



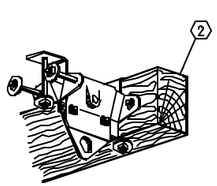
DETAIL 4

SCALE: NONE



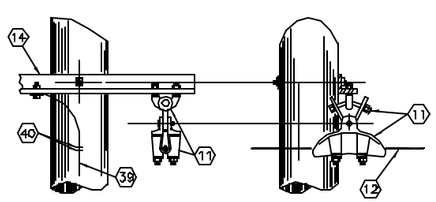
DETAIL 1

SCALE: NONE



DETAIL 2

SCALE: NONE



DETAIL 3

SCALE: NONE

GENERAL NOTES:

1. EQUIPMENT ITEM NUMBERS ⟨1⟩ REFER TO EQUIPMENT NUMBERS IN LANL SUPPORT SERVICES CONTRACTOR'S MASTER BILL OF MATERIALS. ONLY THOSE NUMBERS USED ON THIS DRAWING ARE SHOWN.

BILL OF MATERIALS

ITEM	DESCRIPTION	QTY	MFR. CATALOG No.
1	POLES:_____ Ft CLASS_____	2	
2	CROSSARM ASSEMBLY: ASSEMBLED ARM FOR C2561-AA TANGENT STRUCTURE WITH ARM MOUNTING HARDWARE	1	HUGHES #C2561.7C
6	X-BRACES: COMPLETE WITH MOUNTING HARDWARE (2-7/8" x 16" AND 2-7/8" x 18" BOLTS)	1 SET	HUGHES #2094-14-6-CPT
8	VEE BRACES: COMPLETE WITH WITH MOUNTING HARDWARE	2 SETS	HUGHES #2025ACV108
11	SUSPENSION CLAMP: WITH 90° Y-EYE FOR 3/8", 7 STRAND SHIELD WIRE	2	HUBBELL/ANDERSON #NS-70-N WITH #YCS-05-90
12	ARMOR ROD: 3/8", 7 STRAND E.H.S.	2	PREFORMED #AR-1130
13	SHIELD WIRE DAMPER	4	ALCOA #1701-3
14	SHIELD WIRE ANGLE: WITH MOUNTING HARDWARE	1	HUGHES #C2561.7D
25	Y-BALL	3	HUBBELL/ANDERSON #YBC-3D
27	SUSPENSION CLAMPS: WITH SOCKET EYE FOR 477 KCM 26/7 ACSR	3	HUBBELL/ANDERSON #HAS-139-S
28	SUSPENSION INSULATORS: 15,000# TEST WITH BALL & SOCKET CLASS 52-5	21	LAPP #5960G
31	ARMOR ROD: FOR 477 KCM 26/7 ACSR	3	PREFORMED #AR-0134
32	CONDUCTOR DAMPER	6	ALCOA #1705-7
39	GROUND WIRE: 30% CONDUCTIVITY, 3#8 (REFER TO POLE HEIGHT FOR LENGTH)	AS REQ'D	COPPERWELD
40	GROUND WIRE STAPLE	50	COOPER POWER SYSTEMS/ KEARNEY #12326-1
41	GROUND ROD: 5/8" x 10'-0" SECTIONAL	4	THOMAS & BETTS/BLACKBURN #6260S
42	GROUND ROD COUPLERS: 5/8" ROD	2	THOMAS & BETTS/BLACKBURN #6DC
43	GROUND ROD CONNECTOR: 5/8" ROD TO GROUND WIRE 3#8 (2)	2	FCI-BURNDY HYTAP #YGHP29C2

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	DWN	VER	CHKD	SUB	APP

FACILITY & WASTE OPERATIONS SYSTEMS ENGINEERING & MAINTENANCE

LANL ENGINEERING MANUAL
SITE ELECTRICAL DISTRIBUTION STDS.

115KV TRANSMISSION LINE
TANGENT STRUCTURE 401 (0°) DETAIL

BLDG. X TA-X

DRAWN: W. BAKER
DESIGN: D. BRYANT
CHECKED: J. LANDMAN
DATE: 8/30/02

SUBMITTED
DISCIPLINE POC: DAVID POWELL

APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN GRUCH

Los Alamos NATIONAL LABORATORY
PO Box 1663 Los Alamos, New Mexico 87545

SHEET 1 OF 1

CLASSIFICATION U | REVIEWER MICHAEL LADACH | DATE 8/30/02

PROJECT ID: CHAPTER 7
DRAWING NO: ST-G4010-01
REV: 0

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