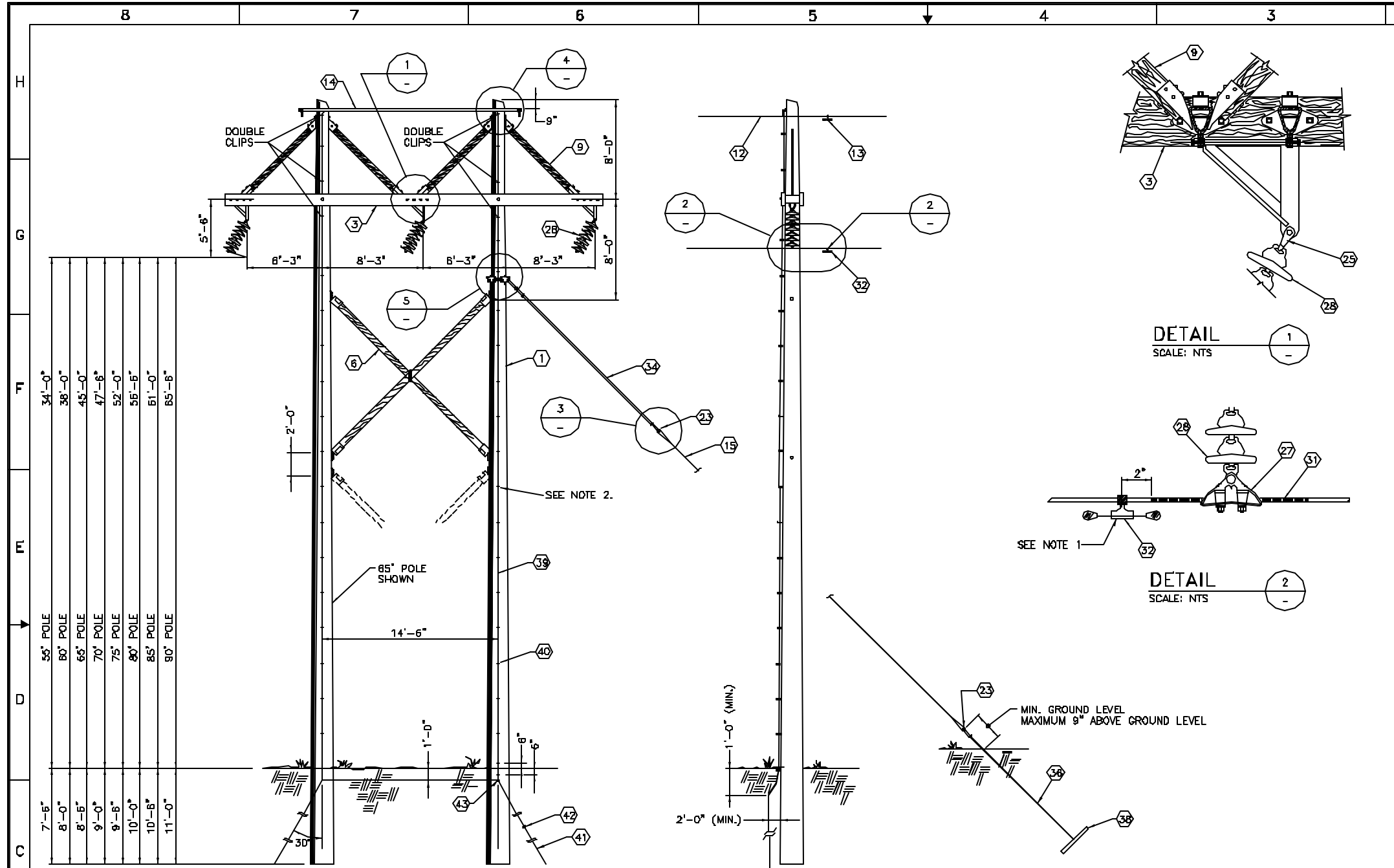


G:\LANL Engineering Standards\Eng. Manual [LEU]2. Approved\ST-G4010-02E1.dwg, 11/09/02 ■ 08-49 053068



FRONT VIEW SIDE VIEW

**STRUCTURE 402 (1'-4') DETAIL**  
SCALE: NONE

- GENERAL NOTES:**
1. PLACE DAMPER WITH END OF WEIGHT 2" FROM END OF ARMOR ROD. CONSULT WITH CONDUCTOR MANUFACTURER FOR DAMPER APPLICATION.
  2. ON GROUND WIRE LEAD ON POLE PLACE SINGLE NON-STATIC GROUND WIRE CLIPS EVERY 3 FEET FROM GRADE TO TOP OF POLE AND TIE GROUND LEAD TO SHIELD WIRE SUPPORT ASSEMBLY. PLACE DOUBLE CLIPS AT POSITIONS INDICATED ON POLES ON 3" CENTERS.
  3. FOR BILL OF MATERIALS, SEE DWG. ST-G4010-D2, SHT. 2.
  4. EQUIPMENT ITEM NUMBERS (Ⓛ) REFER TO EQUIPMENT NUMBERS IN LANL SUPPORT SERVICES CONTRACTOR'S MASTER BILL OF MATERIALS. ONLY THOSE NUMBERS USED ON THIS DRAWING ARE SHOWN.

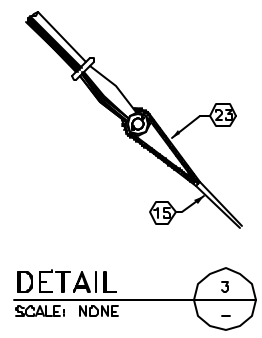
POLE HEIGHT	HEIGHT OF GUY ATTACH ABOVE GRD.	
	PHASE	STATIC
50 FT.	—	—
55 FT.	32'-8"	—
60 FT.	37'-0"	—
65 FT.	41'-6"	—
70 FT.	46'-0"	—
75 FT.	50'-5"	—
80 FT.	55'-0"	—
85 FT.	59'-0"	—
90 FT.	64'-0"	—

DETAIL 1  
SCALE: NTS

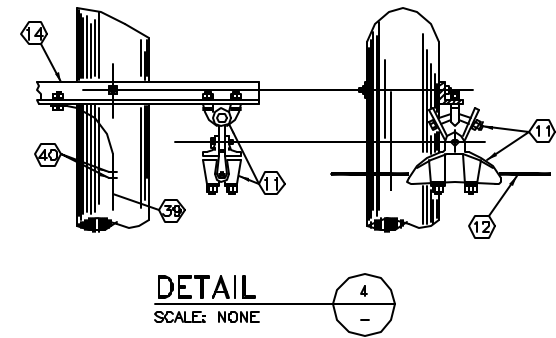
DETAIL 2  
SCALE: NTS

NOTES FOR DESIGNER:  
(DO NOT INCLUDE ON CONSTRUCTION DRAWING)

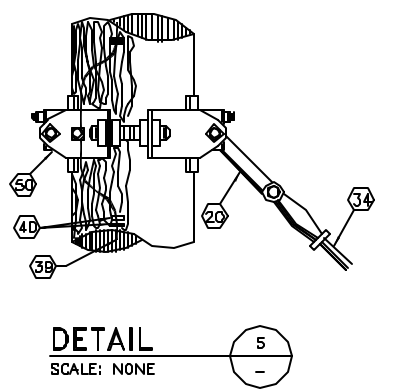
1. COMPLY WITH CURRENT EDITION OF LANL DRAFTING MANUAL FOR CALL-OUTS PROTOCOL AND LOCATION OF SCHEDULES/MATERIAL.
2. ASSIGN AN APPROPRIATE DRAWING NUMBER PER CURRENT EDITION OF LANL DRAFTING MANUAL PROTOCOL FOR DETAILS.



DETAIL 3  
SCALE: NONE



DETAIL 4  
SCALE: NONE



DETAIL 5  
SCALE: NONE

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	
<b>FACILITY &amp; WASTE OPERATIONS SYSTEMS ENGINEERING &amp; MAINTENANCE</b>									
<b>LANL ENGINEERING MANUAL</b> <b>SITE ELECTRICAL DISTRIBUTION STDS.</b>								DRAWN	M. BAKER
115KV TRANSMISSION LINE TANGENT STRUCTURE 402 (1'-4') DETAIL								DESIGN	D. BRYANT
BLDG. X TA-X								CHECKED	J. LANDMAN
SUBMITTED DISCIPLINE POCI DAVID POWELL								DATE	9/30/02
APPROVED FOR RELEASE STANDARDS MANAGER TOBIN GRUCH								SHEET	1
NATIONAL LABORATORY								1 OF	2
CLASSIFICATION U REVIEWER MICHAEL LADACH								DATE	9/30/02
PROJECT ID CHAPTER 7								DRAWING NO	ST-G4010-02
REV 0								REV	0