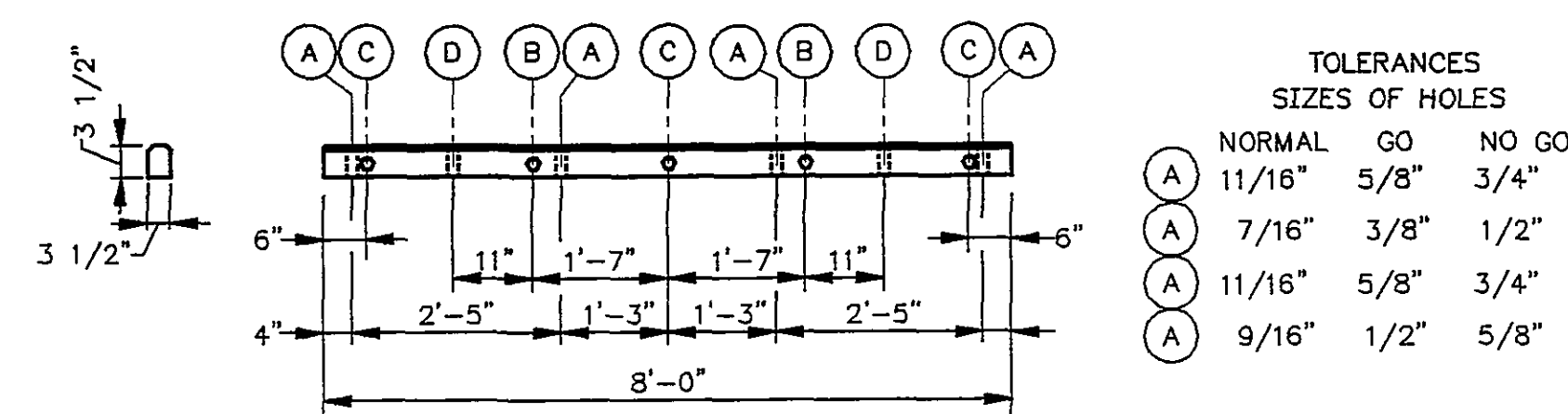
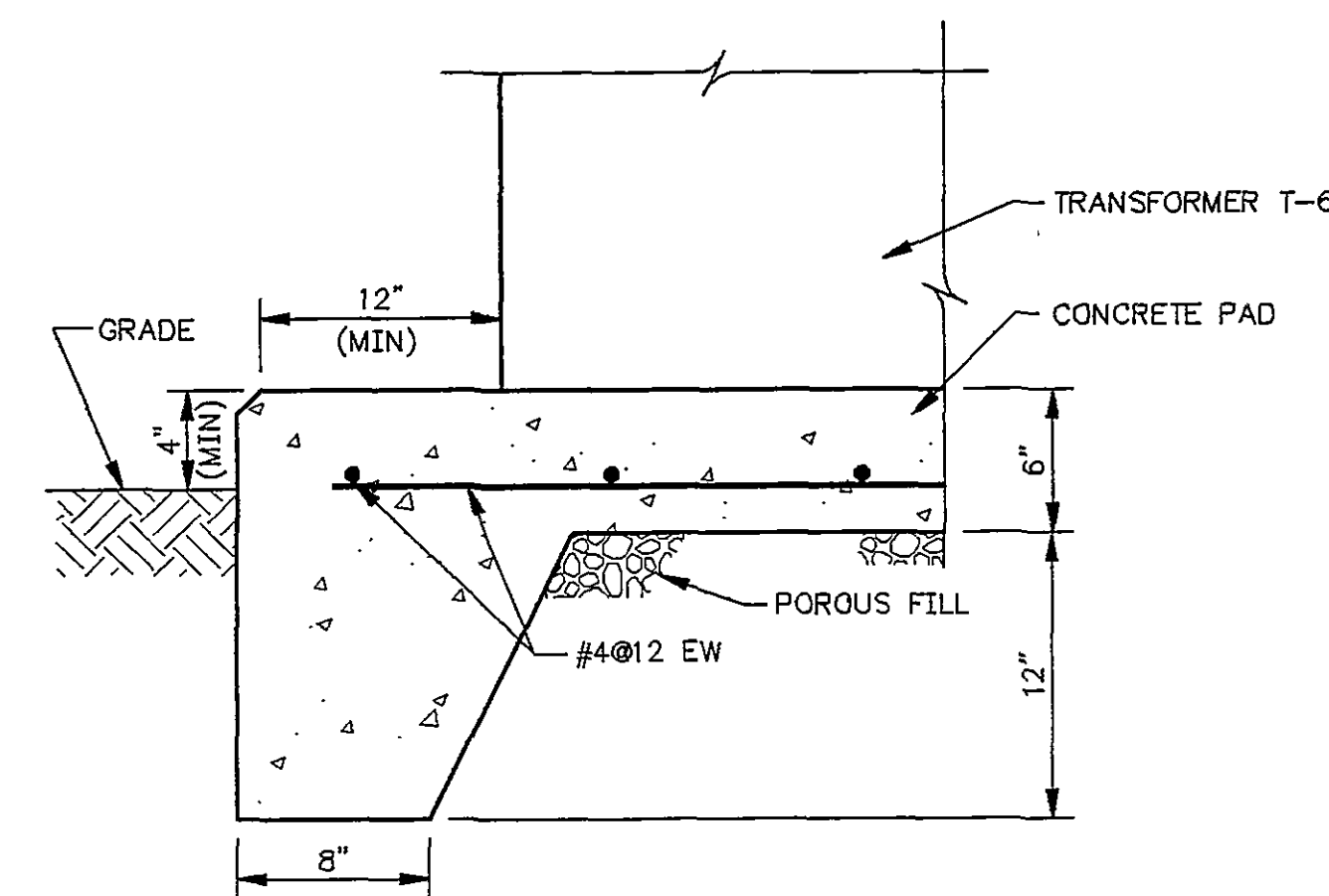
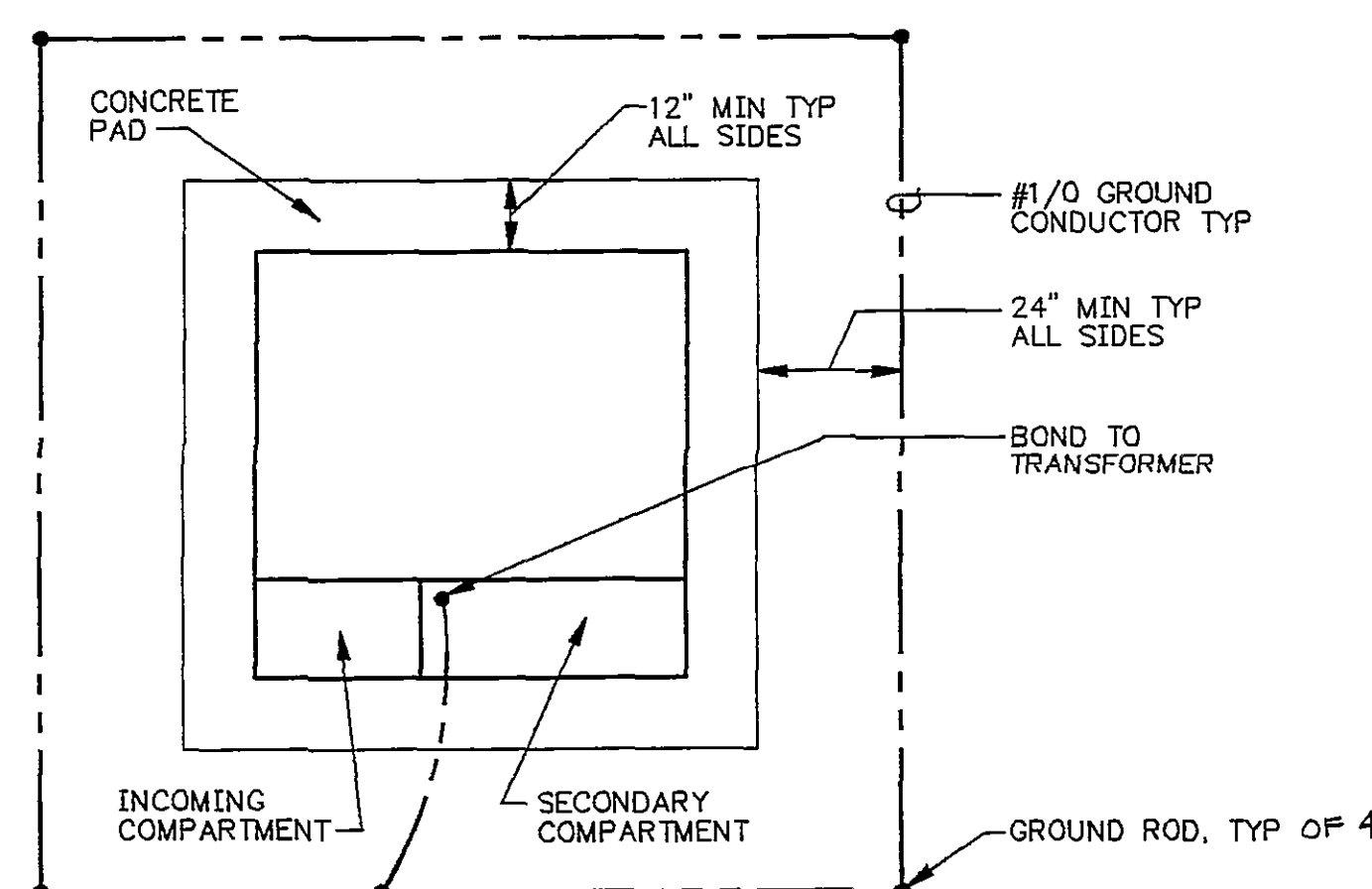




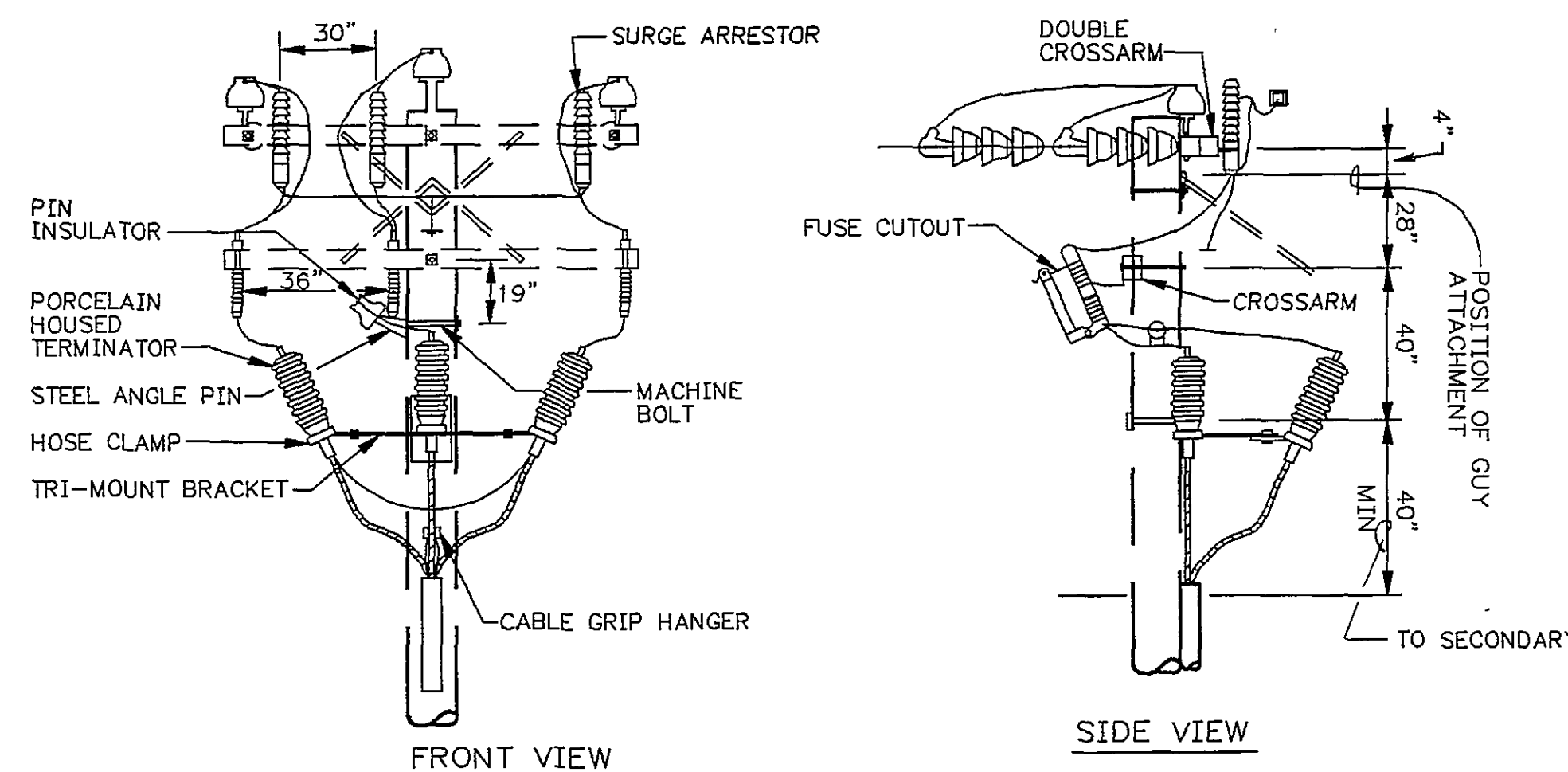
CROSSARM TOLERANCE DETAIL
NO SCALE



EQUIPMENT PAD DETAIL
NO SCALE



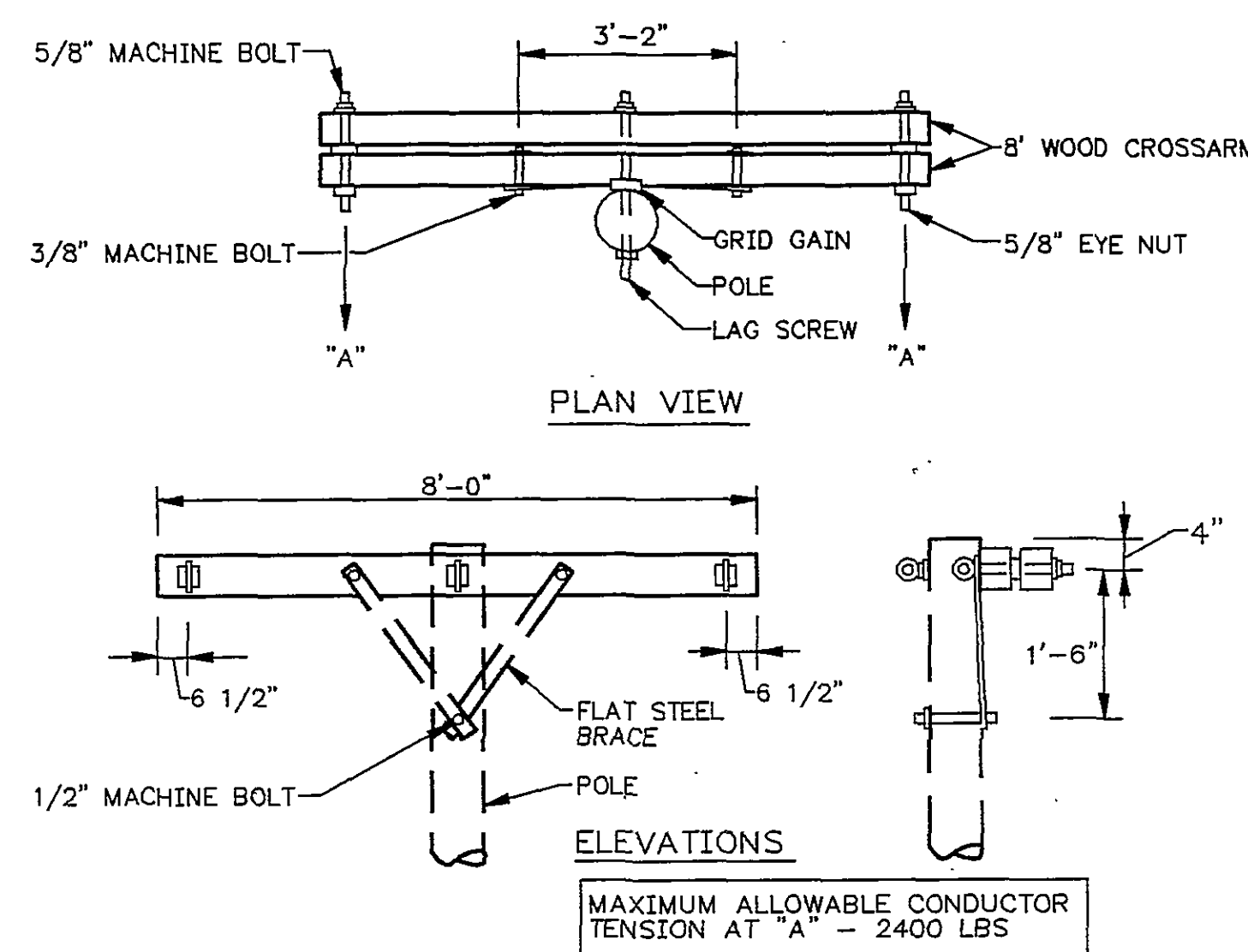
TRANSFORMER GROUNDING DETAIL
NO SCALE



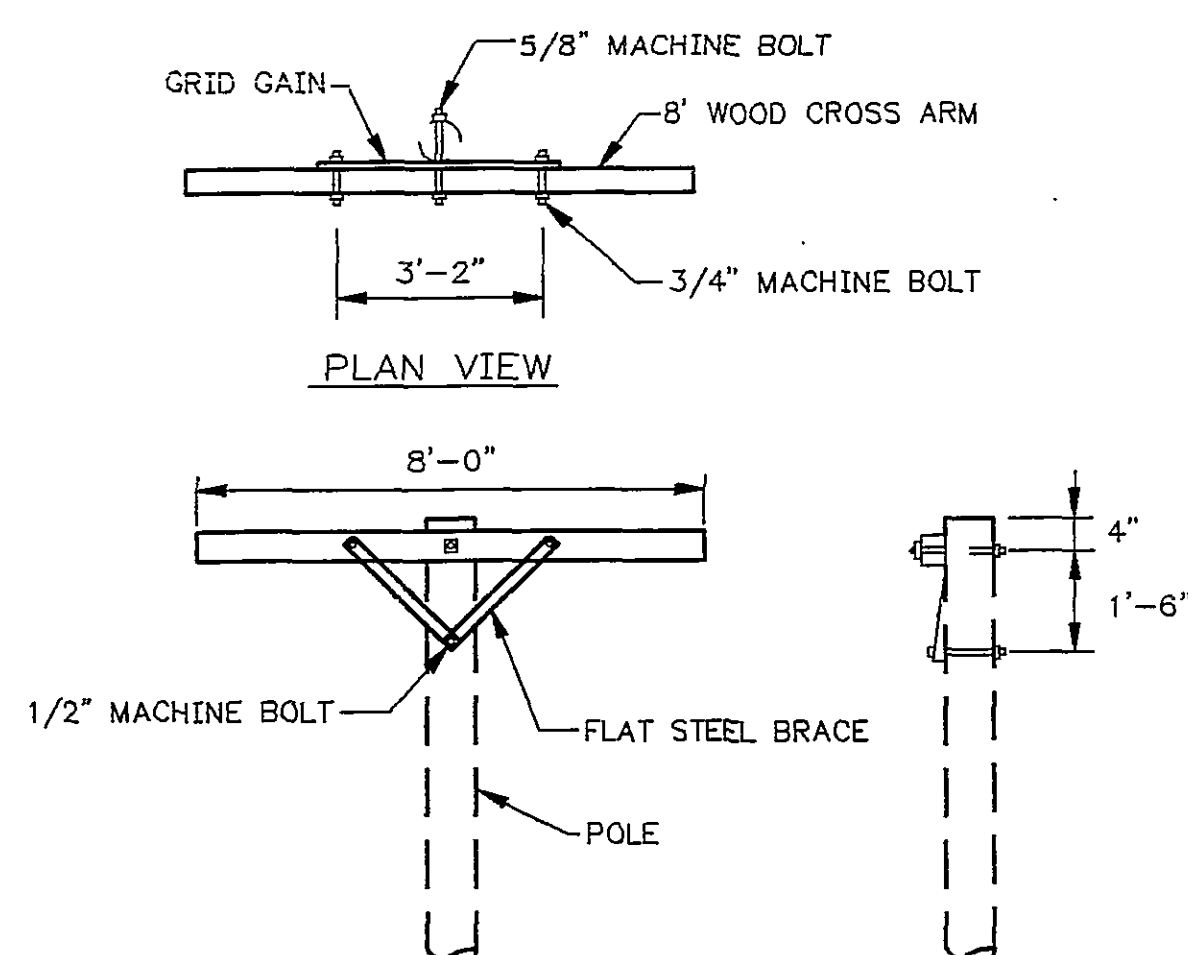
NOTES:

- MODIFY POSITION OF TERMINAL ON DEADENDS TO BE UNDER THE CONDUCTORS AND THE CUTOFFS TO BE ON THE BACKSIDE OF CROSSARM.
- CONNECT SURGE ARRESTER ON LINE SIDE (AHEAD) OF FUSED CUTOFF. CONNECT BOTTOM LEAD OF ARRESTER DIRECTLY TO POLE GROUND.

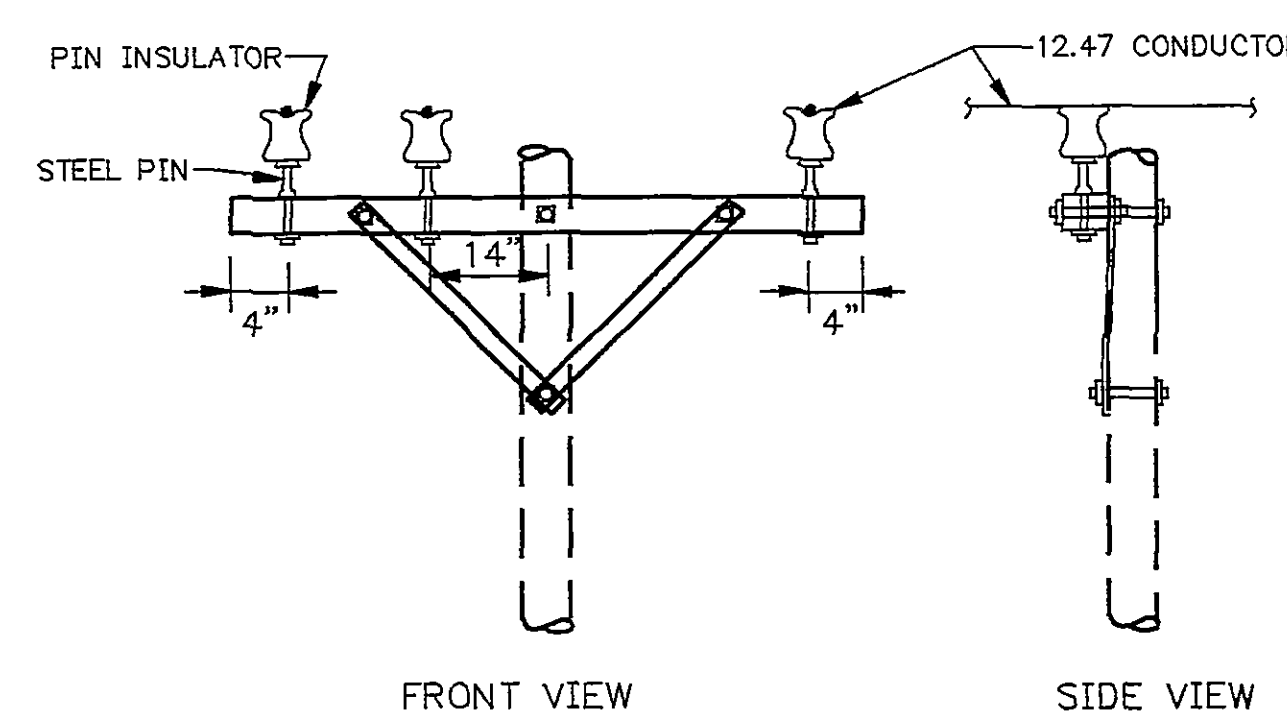
U.G. TERMINAL, 15 KV - ASSEMBLY I
NO SCALE



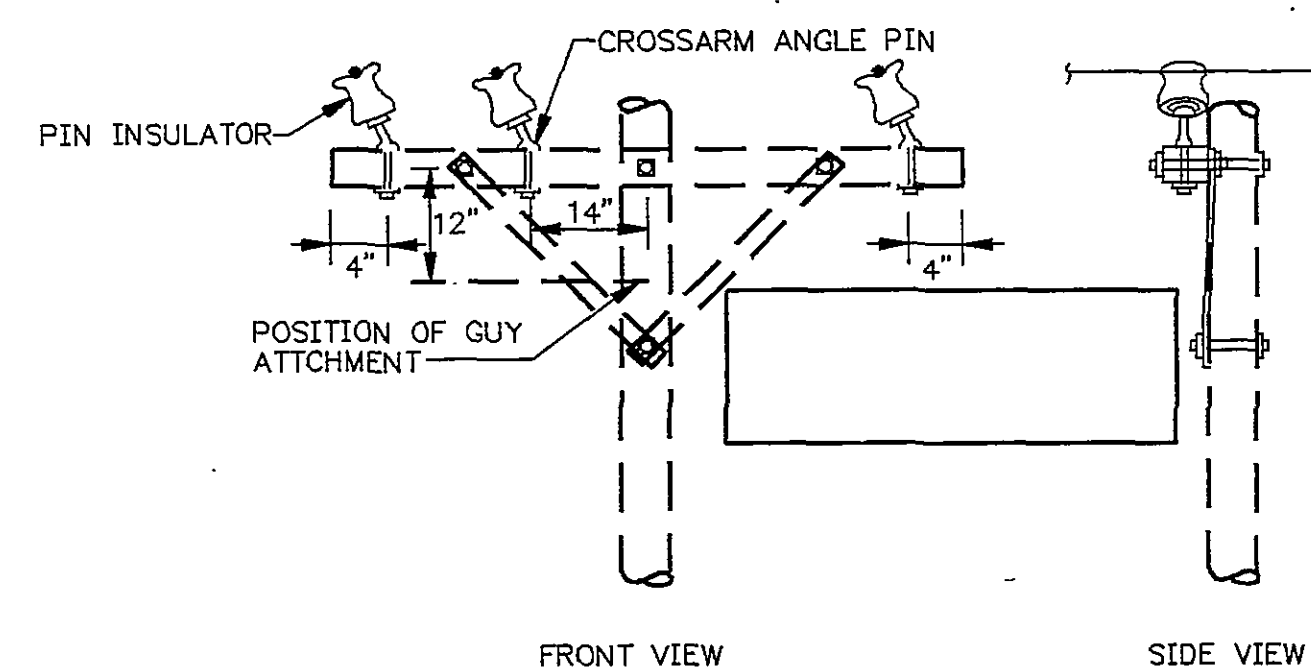
DOUBLE CROSSARMS - ASSEMBLY J
NO SCALE



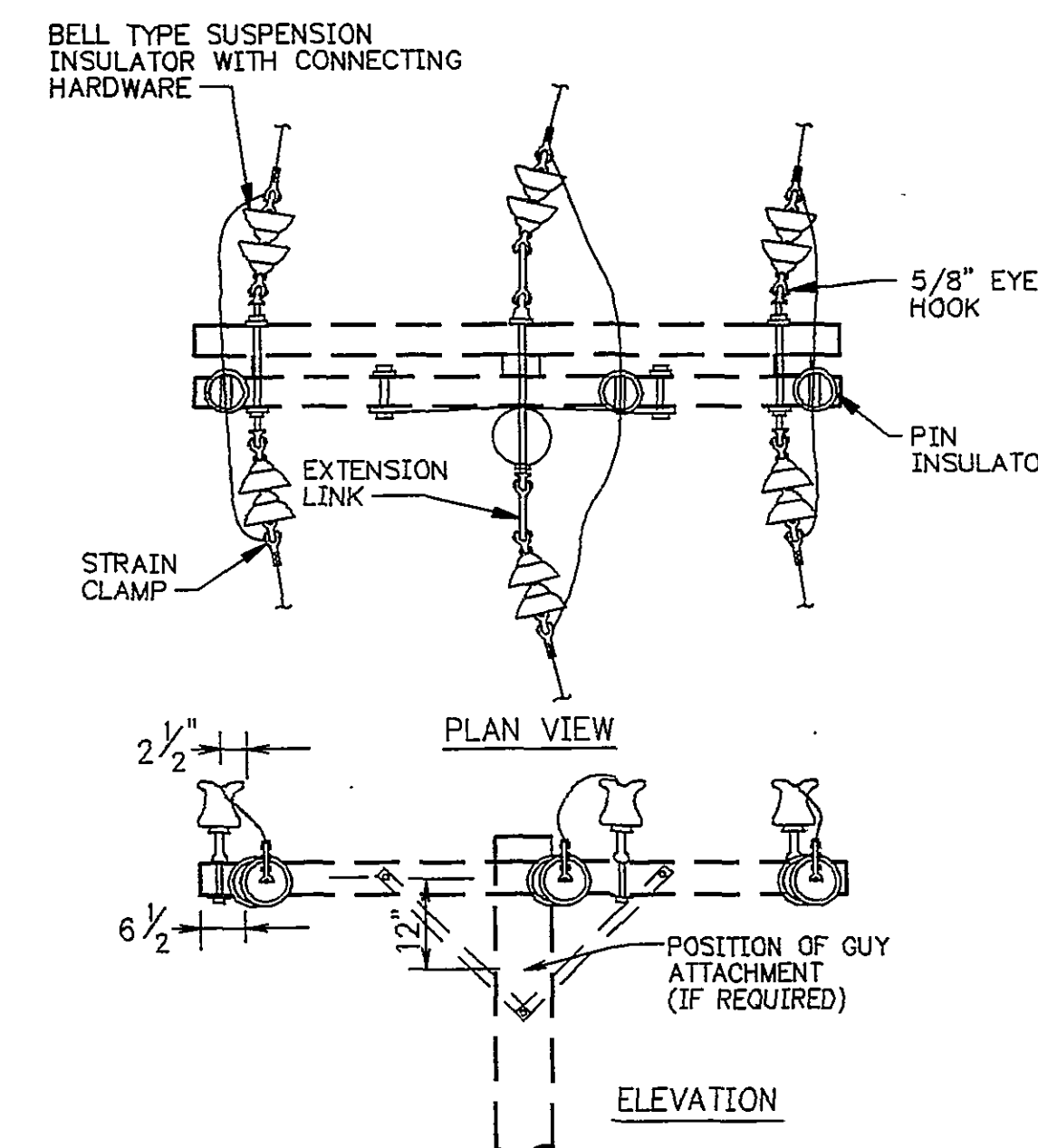
CROSSARM - ASSEMBLY K
NO SCALE



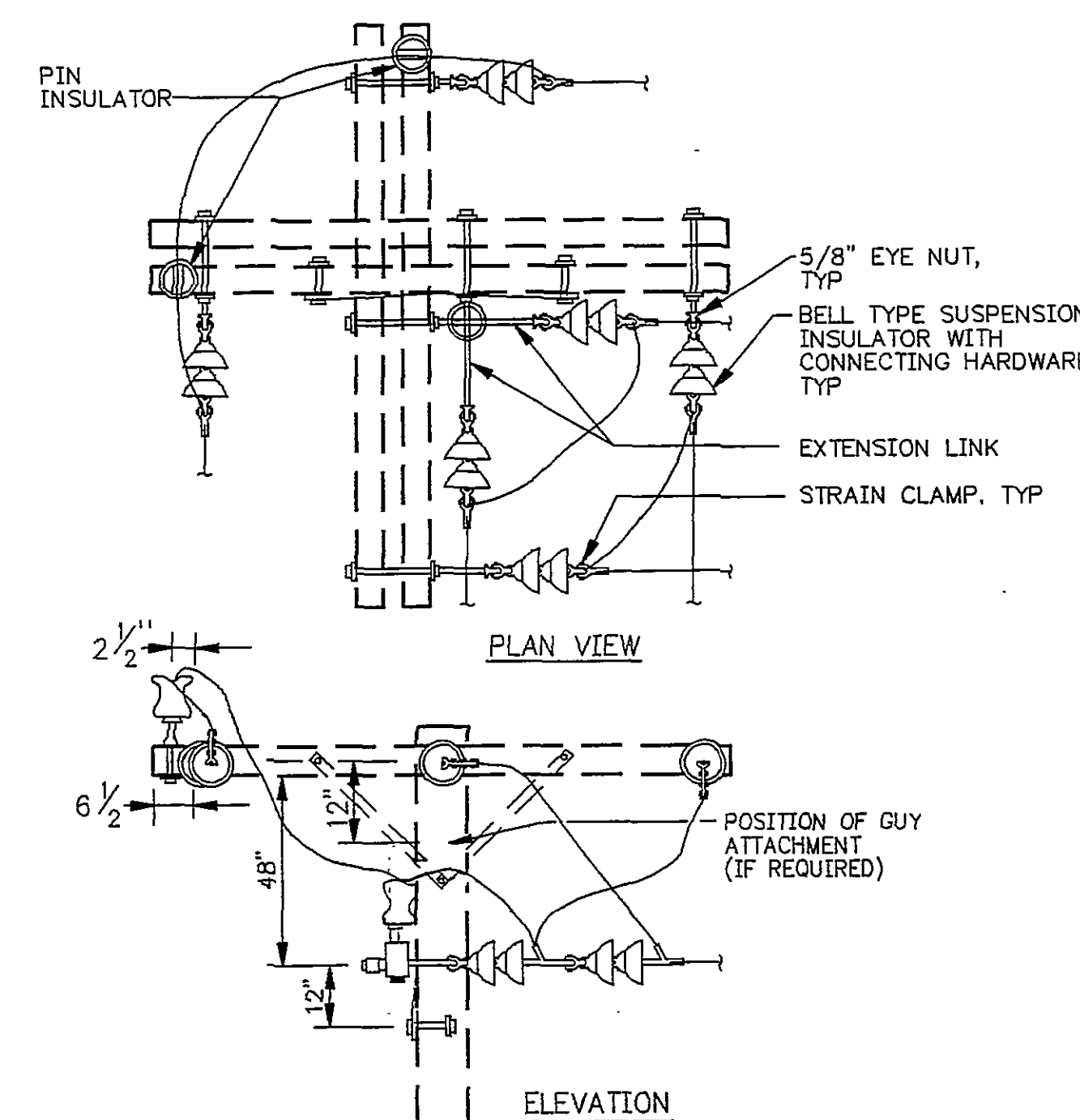
PIN INSULATORS - ASSEMBLY L
NO SCALE



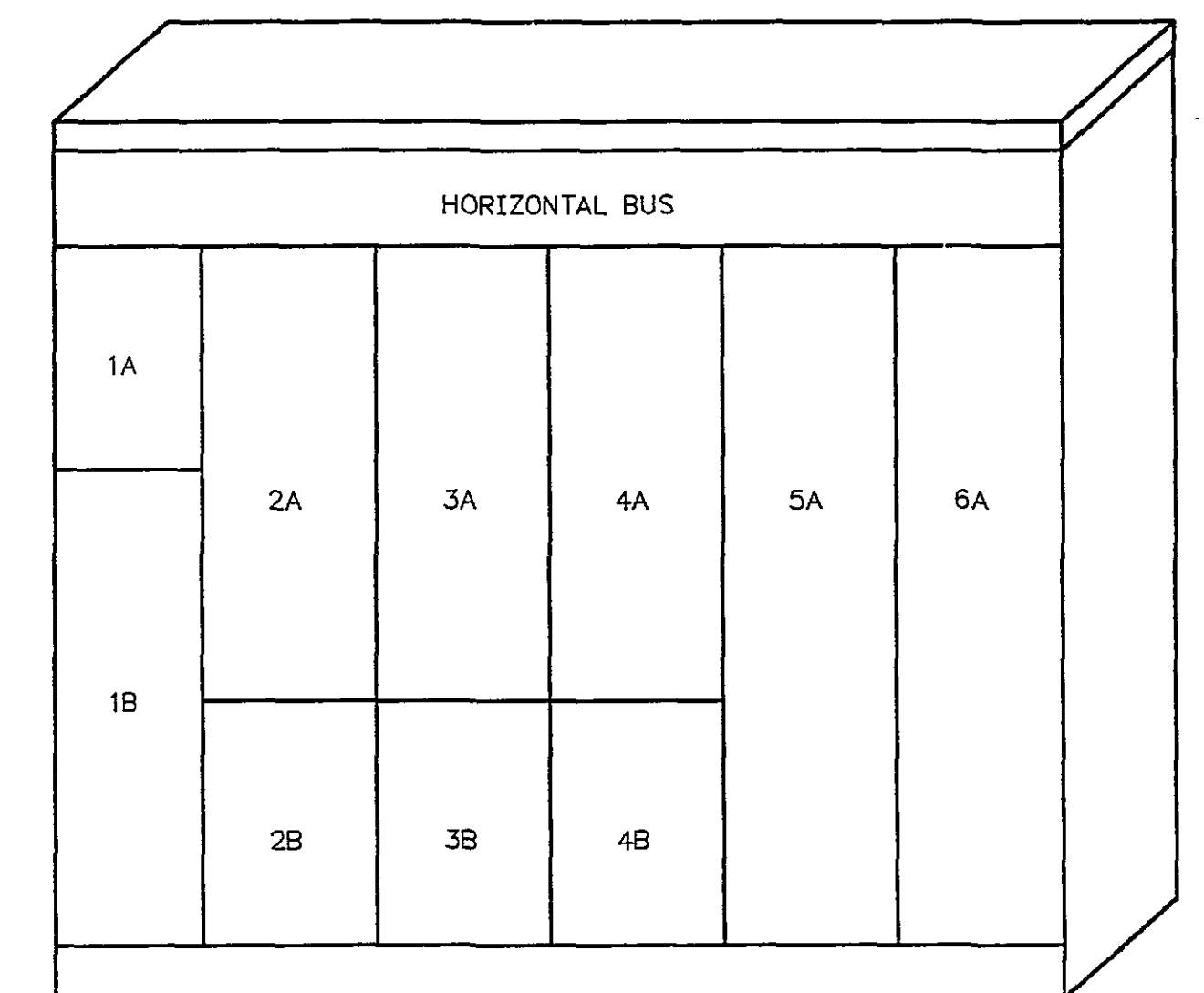
ANGLE PIN INSULATORS - ASSEMBLY M
NO SCALE



DOUBLE DEAD END - ASSEMBLY N
NO SCALE



BUCK ARM - ASSEMBLY O
NO SCALE



MOTOR CONTROL CENTER ELEVATION
NO SCALE

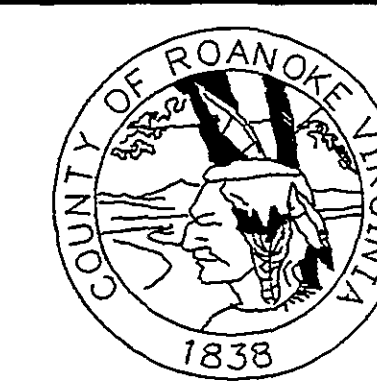
* MOTOR CONTROL CENTER SCHEDULE - 277/480V, 800A														
UNIT NO.	NAMEPLATE	LOAD HP OR KVA	FULL LOAD AMPS	STARTER NEMA SIZE	CIRCUIT BREAKER NO. FRAME TRIP	CONDUCTORS NO. SIZE	CONDUIT NO. SIZE	CONDUIT NO. SIZE	CONTROL DEVICES H-O-A SH	PILOT LIGHT	REMARKS			
1A	MAIN BREAKER	-	-	-	3	800	800	-	-	-	***			
1B	PULL SECTION	-	-	-	-	-	-	-	-	-	-			
2A	SPARE	150	180	5	FVNR	3	400	300	-	-	X	-	X	-
2B	SPARE	-	-	-	-	3	100	100	-	-	-			
3A	SPARE	150	180	5	FVNR	3	400	300	-	-	X	-	X	-
3B	SPARE	-	-	-	-	-	-	-	-	-	-			
4A	SPARE	150	180	5	FVNR	3	400	300	-	-	X	-	X	-
4B	SPARE	-	-	-	-	-	-	-	-	-	-			
5A	SPACES	-	-	-	-	-	-	-	-	-	-			
6A	SPACES	-	-	-	-	-	-	-	-	-	-			

* PROVIDE PROCUREMENT FOR MCC FOR FUTURE INSTALLATION BY OWNER
** UNLISTED SUITABLE AS SERVICE EQUIPMENT

PANELBOARD HP1 SCHEDULE														
225 A. MAIN BREAKER ONLY, 480/277 V., 3 PHASE, 4 WIRE, XFMR MOUNTED, NEMA 3R														
LOAD SERVED	LOAD (KVA)			CKT. BRKR. KAIC	TRIP	WIRE SIZE	CKT NO.	PHASE A B C	CKT NO.	WIRE SIZE	CKT. BRKR. TRIP KAIC	LOAD (KVA)		
GATEHOUSE	12.5	12.5	12.5	14	60	3#2	3		4		20	14		SPARE
SPARE					30		9		10					SPACE ONLY
W.D. TOWER, T-5	0.7	0.7		14	30	2#6	13		16					SPACE ONLY
SPACE ONLY							17		22					SPACE ONLY
SPACE ONLY							21		22					SPACE ONLY
SPACE ONLY							27		28					SPACE ONLY
TOTAL	13.2	13.2	12.8											TOTAL
TOTAL CONNECTED KVA A: 13.2 B: 13.2 C: 12.8														

RECORD DRAWINGS
THESE DRAWINGS RECORDED ON THE BASIS OF INFORMATION FURNISHED BY THE CONTRACTOR OR SPECIFICALLY KNOWN TO HSM. NO OTHER REPRESENTATIONS ARE MADE OR IMPLIED
Date: 6-5-94

DESIGNED			DATE			REVISIONS		
DRAWN	CADD	DATE	5/28/93	DATE	BY	DESCRIPTION	DATE	BY
CHECKED	RH1	DATE	5-28-93	DATE	BY	DESCRIPTION	DATE	BY
APPROVED	RH1	DATE	5-28-93	DATE	BY	DESCRIPTION	DATE	BY
ISSUED	FLP	DATE	5-28-93	DATE	BY	DESCRIPTION	DATE	BY



SPRING HOLLOW RESERVOIR
ROANOKE COUNTY, VIRGINIA
HAYES, SEAY, MATTERN & MATTERN, INC.
ARCHITECTS - ENGINEERS - PLANNERS
ROANOKE, VIRGINIA

**ELECTRICAL
SCHEDULES AND EXTERIOR DETAILS**
SCALE NONE
DATE 28 MAY 1993
COMM 4194JE
SHEET E8
DWG 47