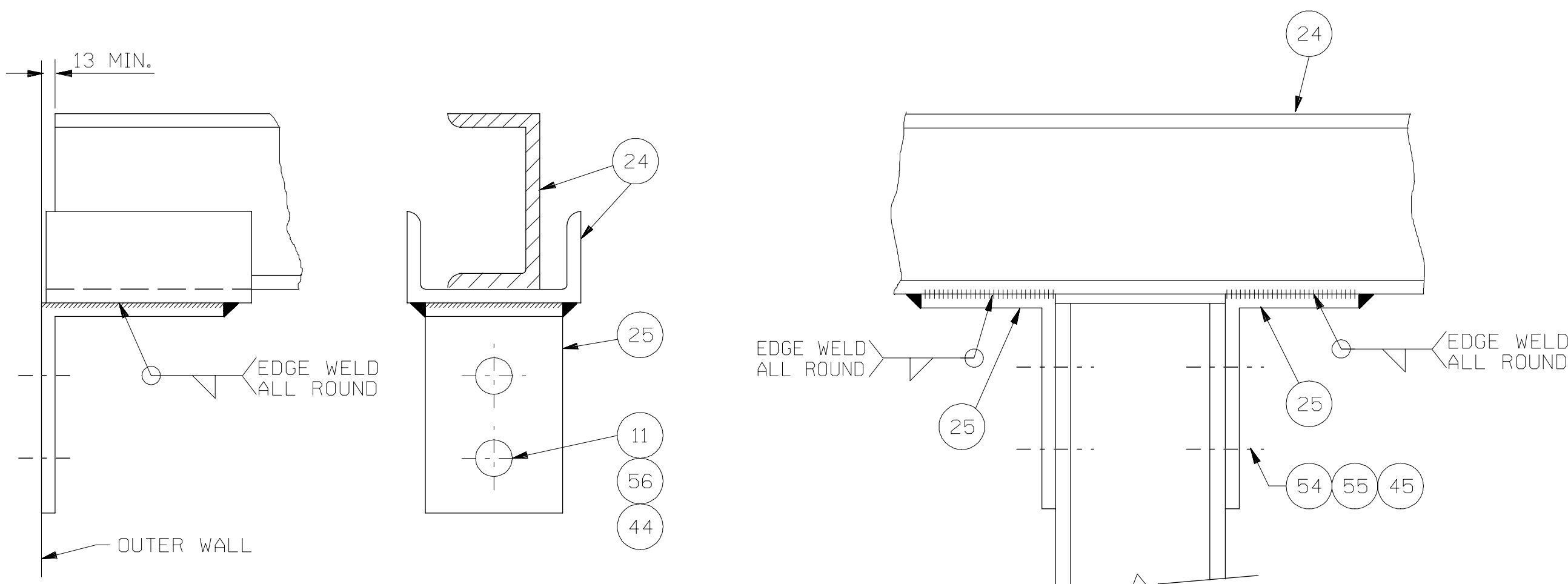
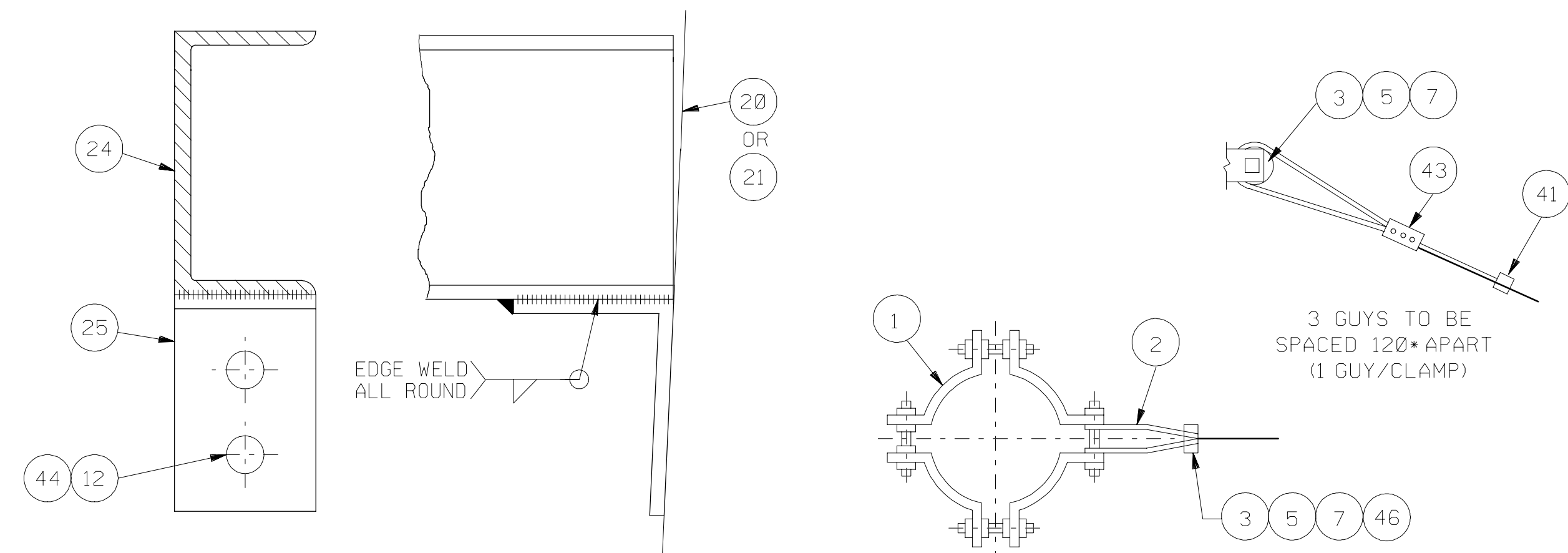




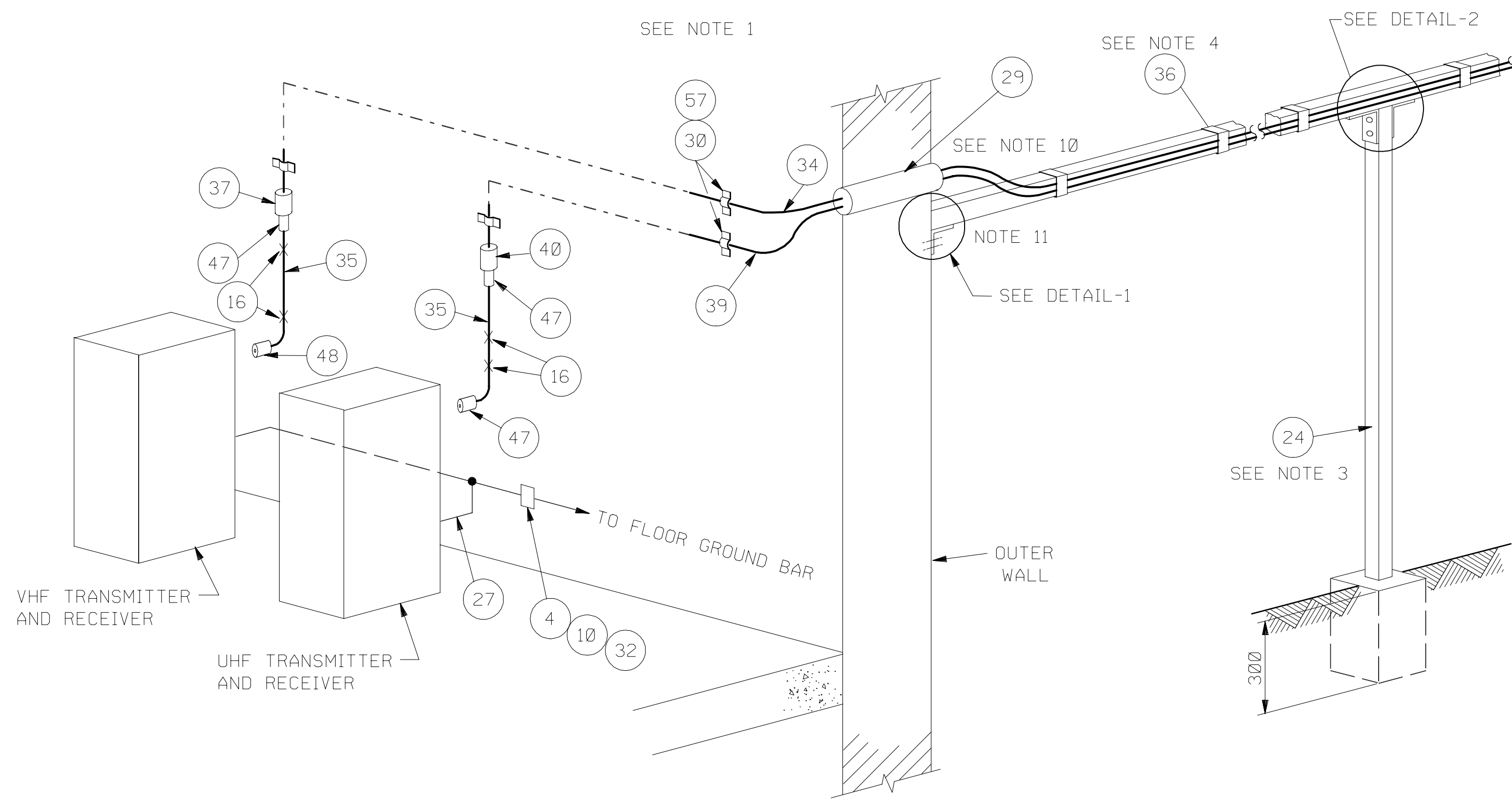
DETAIL-1

DETAIL-2

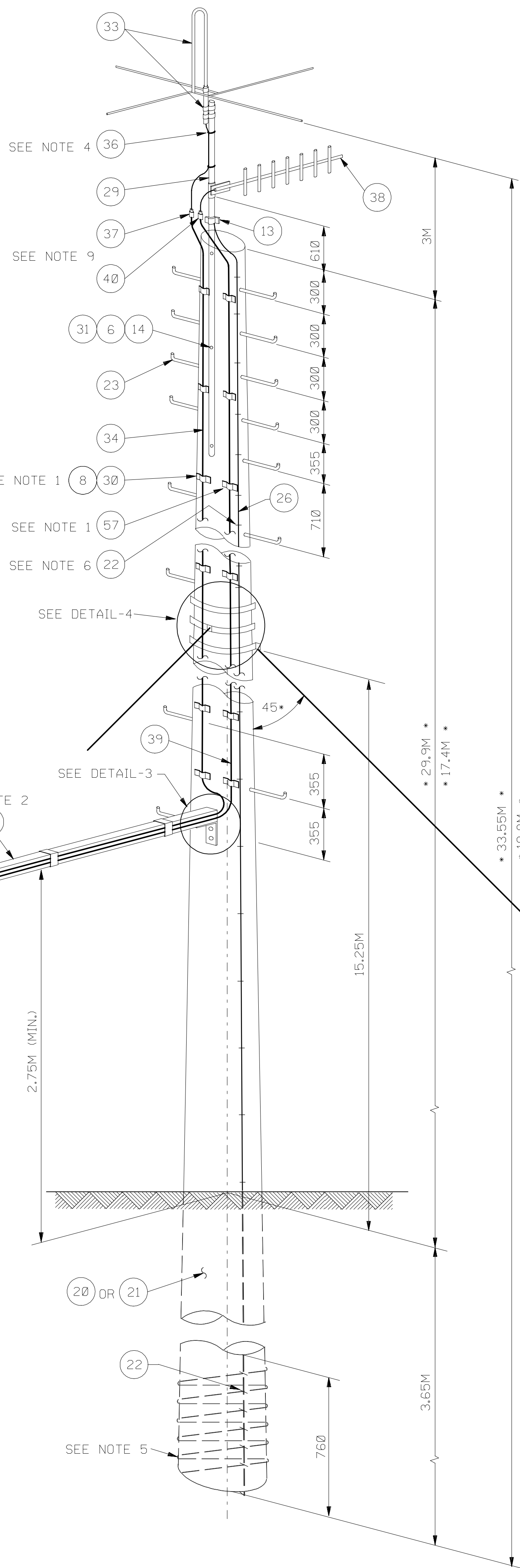


DETAIL-3

DETAIL-4



TRANSMISSION CABLE ENTRANCE
INTO UTILITY BUILDING



ROCK ANCHOR

SAND ANCHOR

LIST OF MATERIALS					
KEY NO.	AMS NO.	QUANTITY		UNIT	DESCRIPTION
		33.55M	19.8M		
1	14-480-125	3		EA	BAND: POLE; STL.; 7• "-12" POLE
2	14-512-050	6		EA	CONNECTING LINK; STL.; • "X2"X9• "
3	14-626-450	6		EA	SHEAVE WHEEL; IRON; 2• " O.D.
4	11-563-487	1	1	PK	SCREW; WOOD; NO. 12X1" LG.
5	10-206-778	3		EA	BOLT; MACH.; HEX. HD. • "X2• "
6	10-889-280	6	6	EA	WASHER; CURVED; STL.; FOR • " DIA. BOLT
7	14-584-180	6		EA	NUT; LOCK; STL.; • "-10 THRD./IN.
8	11-035-228	2	1	LB	NAIL; COMMON; Ø.131" DIA.X2• " LG.
9	07-135-303	250		FT	WIRE; GUY; • " DIA.
10	11-807-783	20	20	EA	ANCHOR; MASONRY; #10X1" LG.
11	11-805-522	2	2	EA	ANCHOR; MASONRY; • " DIA. 1• " LG.
12	11-268-136	2	2	EA	SCREW; LAG; • " DIA.X4" LG.
13	14-116-617	1	1	EA	CONNECTOR; GROUND #10-#4 AWG; 1• "-2" PIPE
14	10-889-362	3	3	EA	WASHER; SQ. FLAT; STL. • " DIA. BOLT
15					
16	18-017-610	1	1	PK	CABLE TIE; 13" LG. 50/PK
17	12-473-520	30		FT	PILE; HP SHAPE; C. STL; 8"X8"
18	10-211-682	3		EA	BOLT; MACH. HEX. HD. • "X3"
19	14-476-195	3	3	EA	ANCHOR; GUY WIRE; WOOD; 7"X10"X9" LG.
20	14-602-040	1		EA	POLE; LINE WOOD; 110' LG.
21	14-602-073		1	EA	POLE; LINE WOOD; 65' LG.
22	14-631-133	1	1	LB	STAPLE; GROUND; WIRE; 1• "
23	14-633-184	80	50	EA	STEP; POLE; • " DIA.X10" LG.
24	12-435-605	35	35	FT	CHANNEL; STRUCTURAL; C. STL.; 3"
25	12-413-189	1	1	FT	ANGLE; STRUCTURAL; C. STL.; 6"X4"X• "
26	15-043-127	140	80	FT	WIRE; BARE COPPER #4 AWG
27	15-194-225	30	30	FT	WIRE; BUILDING; 600V; THWN; #6 AWG GRN.
29	01-515-673	1	1		CPVC PIPE 4"
30	XX-XXX-XXX	30	20	KT.	HANGER KIT; S/S; • " SIZE CABLE
31	14-486-859	3	3	EA	BOLT; DOUBLE ARMING; • "X18" LG.
32	15-509-953	1	1	BX	STAPLE; CABLE; INSULATED PLASTIC; • "
33	XX-XXX-XXX	1	1	EA	ANTENNA; VHF;
34	18-534-816	150	110	FT	CABLE; TRANSMISSION; IC; • " FOAM; LDF 4-50
35	XX-XXX-XXX	40	40	FT	CABLE; TRANSMISSION; RG-9/U OR RG-214/U
36	18-784-462	1	1	BX	WRAPLOCK; 100 FT; • " IN. WD
37	18-534-938	2	2	EA	CONNECTOR; ANDREW; L44N; JACK FEMALE N TYPE
38	XX-XXX-XXX		1	EA	ANTENNA; UHF
39	18-534-825	150	110	FT	CABLE; TRANSMISSION; IC; • " FOAM LDF 5-50
40	18-534-990	2	2	EA	TRANSMISSION CABLE; COMPONENTS; N JACK FEMALE; TYPE L45N.
41	14-511-621	6		EA	CLIP; GUY WIRE; STL. FOR • " STRD; 1• " LG.
42	-				
43	14-505-718	6	6	EA	CLAMP; GUY; STL.; • "-• " DIA. WIRE
44	10-888-355	2	2	EA	WASHER; RD. FLAT; FOR • " DIA. BOLT
45	10-889-360	2	2	EA	WASHER; SQ. FLAT; FOR • " DIA. BOLT
46	10-900-216	6	6	EA	WASHER; SPRING; • " DIA. FOR • " DIA. BOLT
47	18-549-096	3	3	EA	CONNECTOR; UG 21; N PLUG (MALE)
48	18-549-189	1	1	EA	CONNECTOR; PL259; UHF PLUG (MALE)
49	14-616-050	3		EA	ROD; ANCHOR; STL.; • " DIA.X8" LG.
50	14-616-090	3		EA	ANCHOR ROD PART; COUPLING
51	14-616-100	3		EA	ANCHOR ROD PART; GUY EYE
52	14-616-110	3		EA	ANCHOR ROD PART; NUT CLOSED END
53	10-889-372	3		EA	WASHER; SQUARE; FLAT; FOR • " DIA. BOLT
54	10-206-501	2	2	EA	BOLT; MACH. HEX. HD. • "X5"
55	10-602-917	2	2	EA	NUT; LOCK; HEX.; • "
56	11-268-126	2	2	EA	SCREW; LAG; • "X2" LG.
57	18-534-888	30	20	KT.	HANGER KIT; S/S; • " SIZE CABLE

- NOTES:
- USE STRAP EVERY 1.22M.
 - ACTUAL LENGTH TO BE DETERMINED ON SITE.
 - CHANNEL MAY BE SUPPORTED AS SHOWN IF REQUIRED.
 - USE WRAPLOCK OR EQUAL EVERY 460 MM.
 - GROUND WIRE SHALL BE CARRIED TO THE BASE OF POLE AND INSTALLED AS SHOWN. STAPLE EACH TURN AS INDICATED AT POINTS DIAMETRICALLY OPPOSITE.
 - USE STRAP EVERY 300 MM.
 - POLE HEIGHT OPTIONS SHOWN IN BRACKETS THUS **
 - ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - CONNECTORS MUST BE COVERED WITH A TAPE OR HEAT SHRINK TUBE.
 - CABLE ENTRANCE MUST PREVENT GAS & MOISTURE.
 - A DRIP LOOP IS REQUIRED IN THE CABLE IF THE CABLE ENTRANCE IS AT OR LOWER LEVEL THAN THE CABLE CHANNEL.
 - REQUIREMENT FOR PROVIDING LIGHTNING PROTECTION SHALL BE DECIDED BY CRITERIA IN AES-P-111.

TYPICAL INSTALLATION DRAWING										
04	APR '98	MNL/ RLD	REDRAWN FOR CLARITY, ADDED TYP. INSTALLATION DWG.							
REV. NO.	DATE	BY	DESCRIPTION					CHKD	CERT.	APPD.
SAUDI ARABIAN OIL COMPANY										
DRAWN BY		C&W		CHECKED BY		RK		SCALE: NONE		
DATE STARTED				DATE COMPLETED		02-13-75				
DPR'G. DEPT.				ENG. DEPT.		PJM		04/23/75		
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED										
CERTIFIED DATE										
VHF/UHF ANTENNA INSTALLATION ON WOOD POLE										
STD. DWG. METRIC										
PLANT NO.	INDEX	DRAWING NUMBER					SHT. NO.	REV. NO.		
990	T	AA-036362					001	04		