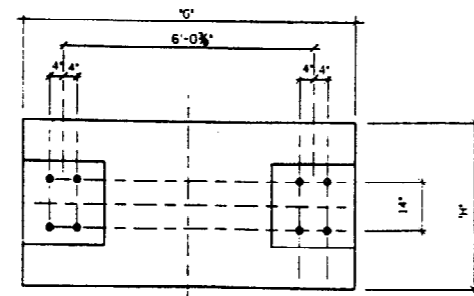
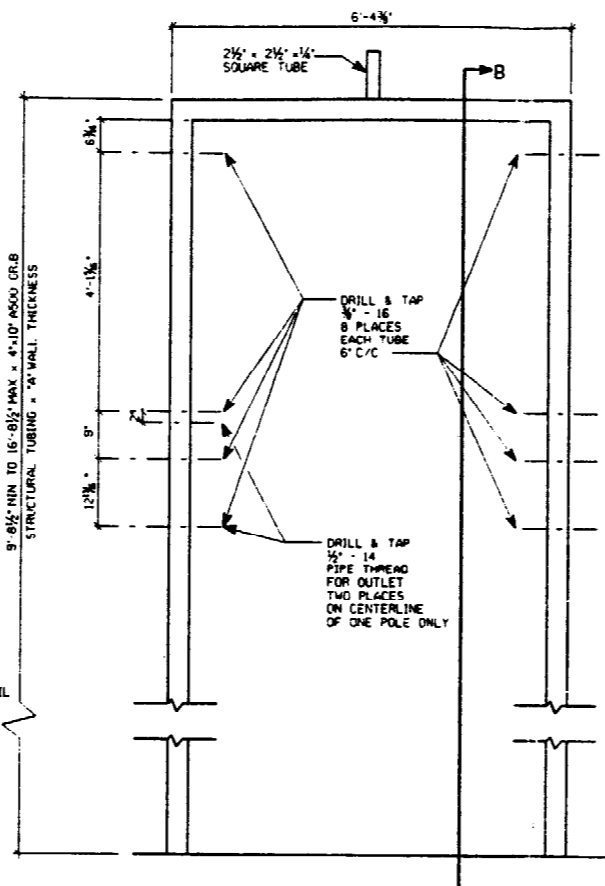


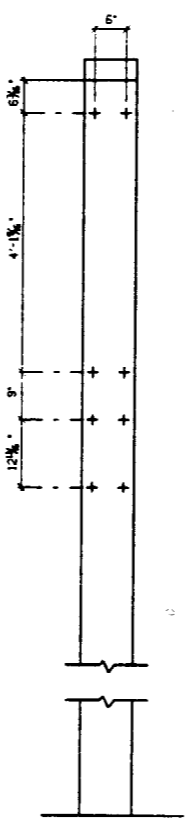
ELEVATION VIEW
SCALE: 1/2" = 1'-0"



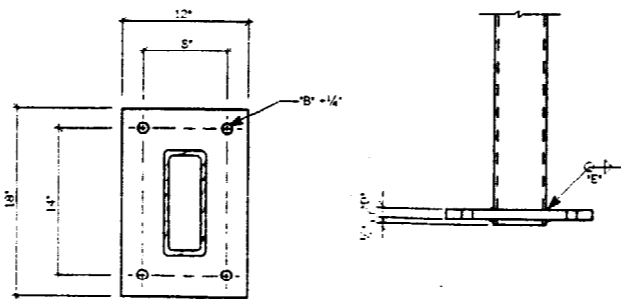
SECTION A-A
SCALE: 1/2" = 1'-0"



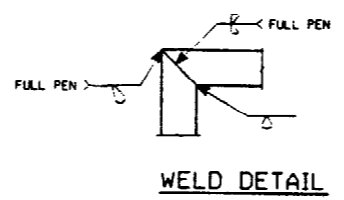
UPRIGHT POST DETAIL
SCALE: 3/8" = 1'-0"
NOTE: DRILLING SCHEDULE FOR 1 1/2" x .68" AMU



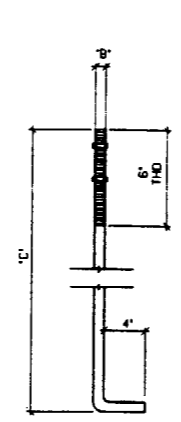
SECTION B-B
SCALE: 3/8" = 1'-0"



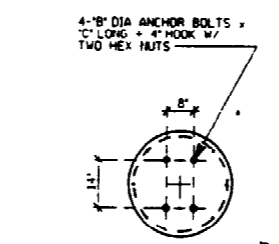
BASE PLATE DETAIL
SCALE: 1/2" = 1'-0"



WELD DETAIL



ANCHOR BOLT DETAIL
N.T.S.



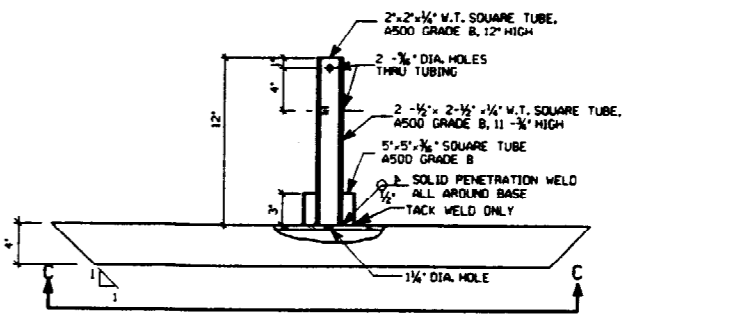
ALT. CAISSON FOUNDATION

REGULAR FOUNDATION DETAILS			
DESIGN BASED ON MINIMUM FACTOR OF SAFETY AGAINST OVERTURNING EQUAL TO OR GREATER THAN 1.5			
DESIGN WIND LOAD	30 PSF	60 PSF	
LENGTH G	8'-0"	9'-0"	
WIDTH H	6'-5"	9'-6"	
DEPTH L	4'-0"	4'-0"	
BARS (LONG) J	(6) #5 BAR	(3) #5 BAR	
BARS (SHORT) K	(9) #3 BAR	(9) #3 BAR	
MINIMUM ALLOWABLE SOIL PRESSURE	2,000 PSF STATIC	2,000 PSF DYNAMIC	

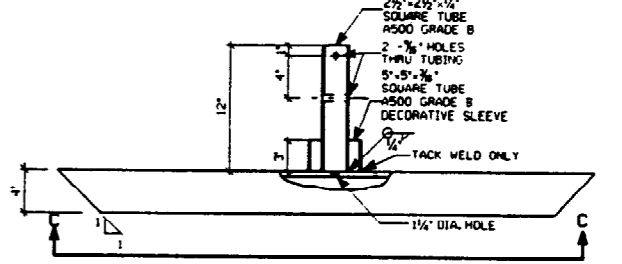
ALTERNATE CAISSON FOUNDATION DETAILS			
DESIGN BASED ON MINIMUM FACTOR OF SAFETY AGAINST OVERTURNING EQUAL TO OR GREATER THAN 1.5			
DESIGN WIND LOAD	30 PSF	60 PSF	
DIAMETER EF	2'-0"	2'-0"	
DEPTH GF	7'-5"	10'-0"	
BARS (SPIRAL) I	#3 BAR, 60% PITCH	#3 BAR, 60% PITCH	
BARS (VERTICAL) L	(3) #5 BAR	(8) #5 BAR	
MINIMUM ALLOWABLE SOIL PRESSURE	2,000 PSF STATIC	2,000 PSF DYNAMIC	

NOTE: FOUNDATIONS, STEEL AND REINFORCING DESIGNED FOR MAXIMUM POLE HEIGHT AND STORAGE IN STRUCTURAL DETAIL SCHEDULE.

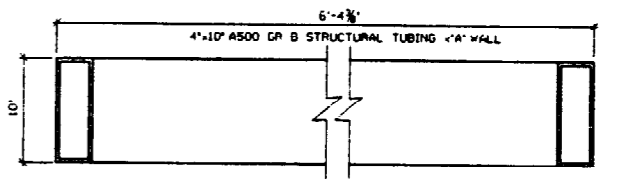
- FABRICATION**
1. THE FABRICATION SHALL BE IN ACCORDANCE WITH CURRENT A.I.S.C. SPECIFICATIONS
 2. ALL WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY SPECIFICATION, AWS D11. ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES.
 3. AFTER FABRICATION, THE STEEL POLE ASSEMBLY SHALL BE CLEANED IN ACCORDANCE WITH SPEC. SSPC 3 AND SHALL RECEIVE ONE COAT OF A NO. 13-R-50 MOBIL CHEMICAL PRIMER.
- MATERIAL**
1. THE POLE SHALL BE FABRICATED FROM A500 GR. B STRUCTURAL TUBING (FY=46,000 P.S.I.)
 2. ALL BASE AND TOP PLATES SHALL BE FABRICATED FROM ASTM A-36 MATERIAL.
 3. ANCHOR BOLTS SHALL BE FABRICATED FROM A 50,000 PSI MINIMUM YIELD STRENGTH MATERIAL AND WITH A MINIMUM TENSILE STRENGTH OF 85,000 PSI. EACH BOLT SHALL BE ZINC ELECTROPLATED AND SUPPLIED WITH TWO HOT DIP GALVANIZED HEX NUTS.
- FOUNDATION**
1. CONCRETE SHALL BE A MINIMUM ULTIMATE STRENGTH OF 3,000 PSI AT 28 DAYS.
 2. REINFORCING BARS SHALL BE ASTM A615 GRADE 40 DEFORMED BARS.
 3. DEPTH TO BOTTOM OF FOOTING FOR FROST HEAVE SHALL MEET LOCAL CODES IF GREATER THAN SIZE SHOWN.
 4. SOIL CONDITIONS - FOOTING SIZING IS BASED ON VERIFICATION OF SUB-SURFACE SOIL CONDITIONS AS BEING EQUAL OR GREATER THAN 2,000 PSF ALLOWABLE SOIL PRESSURE.
 5. FOOTINGS HAVE BEEN SIZED FOR 2,000 PSF PLUS 1/3 INCREASE FOR WIND LOADING.
 6. THE FACTOR OF SAFETY AGAINST OVERTURNING IS 1.5.
- GENERAL**
1. SHIPPING BAR SHALL BE REMOVED AFTER POLE ERECTION BUT PRIOR TO PAINTING.



DETAIL A
60° WIND LOAD



SIDE VIEW
30° WIND LOAD
(SEE DETAIL A FOR 60° WIND LOAD)



CROSSARM DETAIL
SCALE: 1/2" = 1'-0"

STRUCTURAL DETAIL SCHEDULE					
DESIGN WIND LOAD	TUBING	ANCHOR BOLTS		BASE PLATE	
	WALL THICK.	DIA.	LENGTH	THICK.	WELD
30 lb/sf	1 1/2"	1"	16"	1"	3/8"
60 lb/sf	3/4"	1 1/2"	52"	1 1/2"	3/4"

- BY SIGN MANUFACTURER

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DRAWN BY: LVA
 CHECKED BY: JAK
 DATE: 12/23/88
 SCALE: AS SHOWN
 DATE: 12/23/88

MOBIL OIL CORPORATION
 Engineering Department
 506-1A
 1

TWIN POLE SUPPORT AND FOUNDATION COMBINATION 10' ID PRICE SIGN 30°/60° LOADING

DESIGN FILE NAME: 506-1A01.DWG