

DATE	BY	CHKD	APP'D	REV	DESCRIPTION
5/2/94	JAC	JAC		1	ISSUED FOR CONSTRUCTION
	JAC	JAC		2	REVISED FOR CONSTRUCTION
	JAC	JAC		3	REVISED FOR CONSTRUCTION

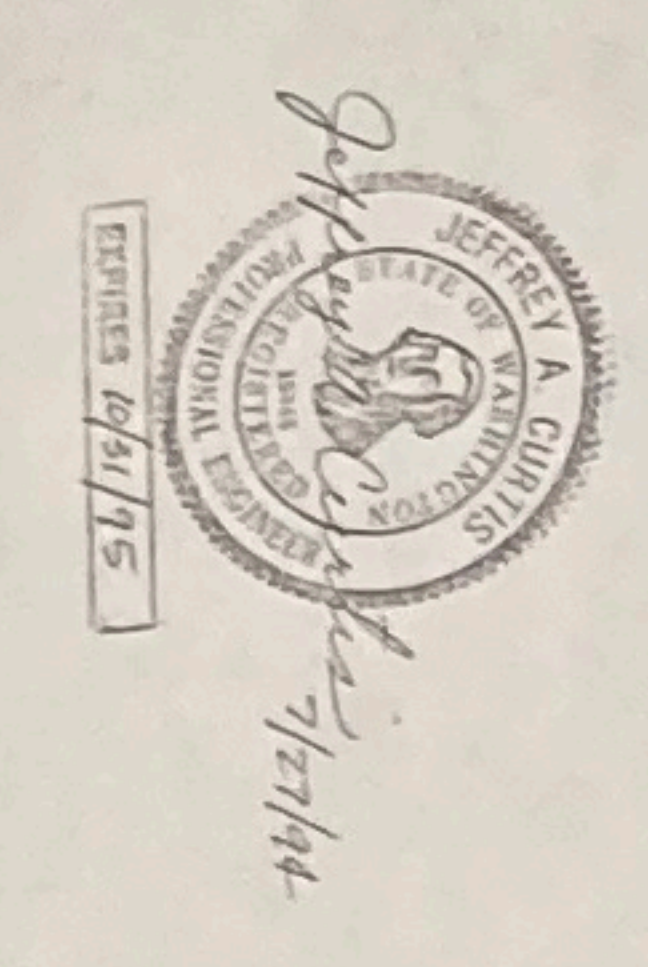
NO.	DATE	BY	CHKD	APP'D	DESCRIPTION
1	5/2/94	JAC	JAC		ISSUED FOR CONSTRUCTION
2		JAC	JAC		REVISED FOR CONSTRUCTION
3		JAC	JAC		REVISED FOR CONSTRUCTION

TEXACO REFINING & MARKETING
PUGET SOUND PLANT
MANKORTS, WASHINGTON

UNIT 22, PIPELINE VIDEO SYSTEM
CONTROL BOX LAYOUT AND
SYSTEM BLOCK DIAGRAM

DATE: 5/2/94
SCALE: AS SHOWN
CON. BY: JAC
APP'D BY: JAC

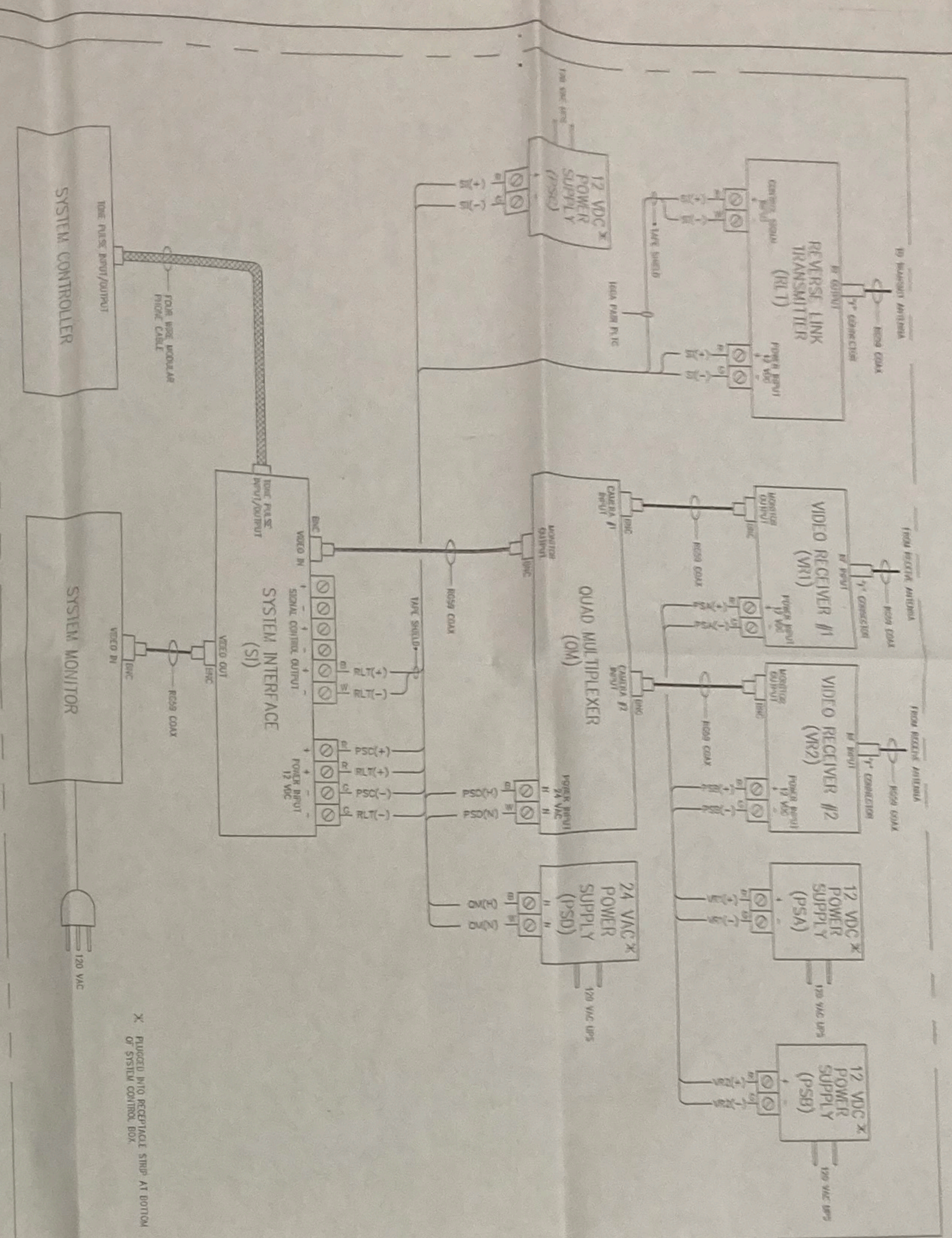
22-EJ-14



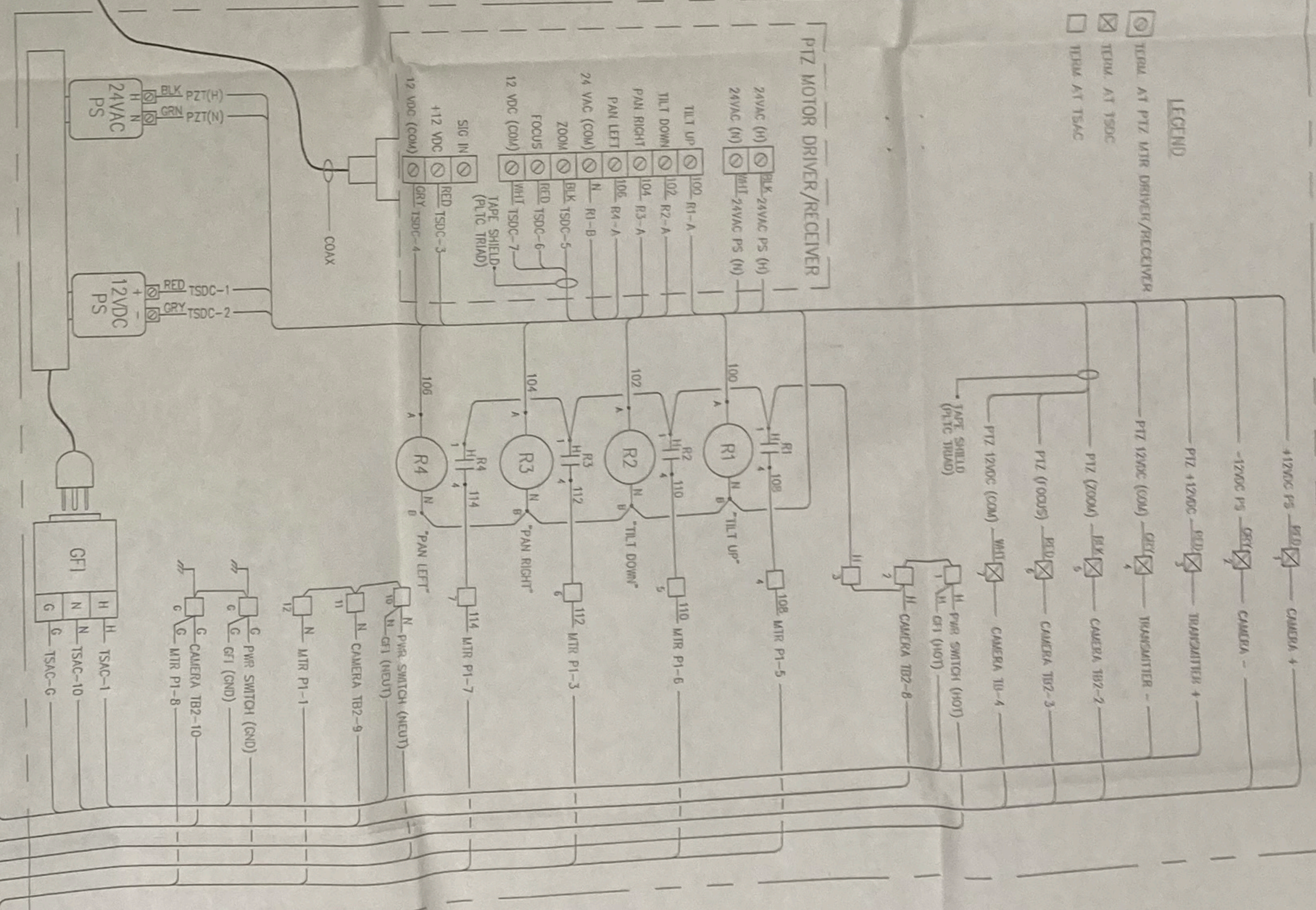
REFERENCE DRAWINGS
22-EJ-13, PLAN, SECTIONS, AND DETAILS
22-EJ-15, ELECTRICAL WIRING

ITEM	QUANTITY	DESCRIPTION
1	1	PIPELINE VIDEO CONTROL BOX #1
2	1	PIPELINE VIDEO CONTROL BOX #2
3	1	VIDEO RECEIVER #1
4	1	VIDEO RECEIVER #2
5	1	REVERSE LINK TRANSMITTER
6	1	SYSTEM INTERFACE
7	1	QUAD MULTIPLEXER
8	1	VIDEO MONITOR (UPPER TIER)
9	1	VIDEO MONITOR (LOWER TIER)
10	1	VIDEO CAMERA #1
11	1	VIDEO CAMERA #2
12	1	PAN & TILT MOTOR #1
13	1	PAN & TILT MOTOR #2
14	1	MIXER #1
15	1	MIXER #2
16	1	12 VDC POWER SUPPLY
17	1	24 VAC POWER SUPPLY
18	1	120 VAC UPS
19	1	120 VAC UPS
20	1	120 VAC UPS
21	1	120 VAC UPS
22	1	120 VAC UPS
23	1	120 VAC UPS
24	1	120 VAC UPS
25	1	120 VAC UPS
26	1	120 VAC UPS
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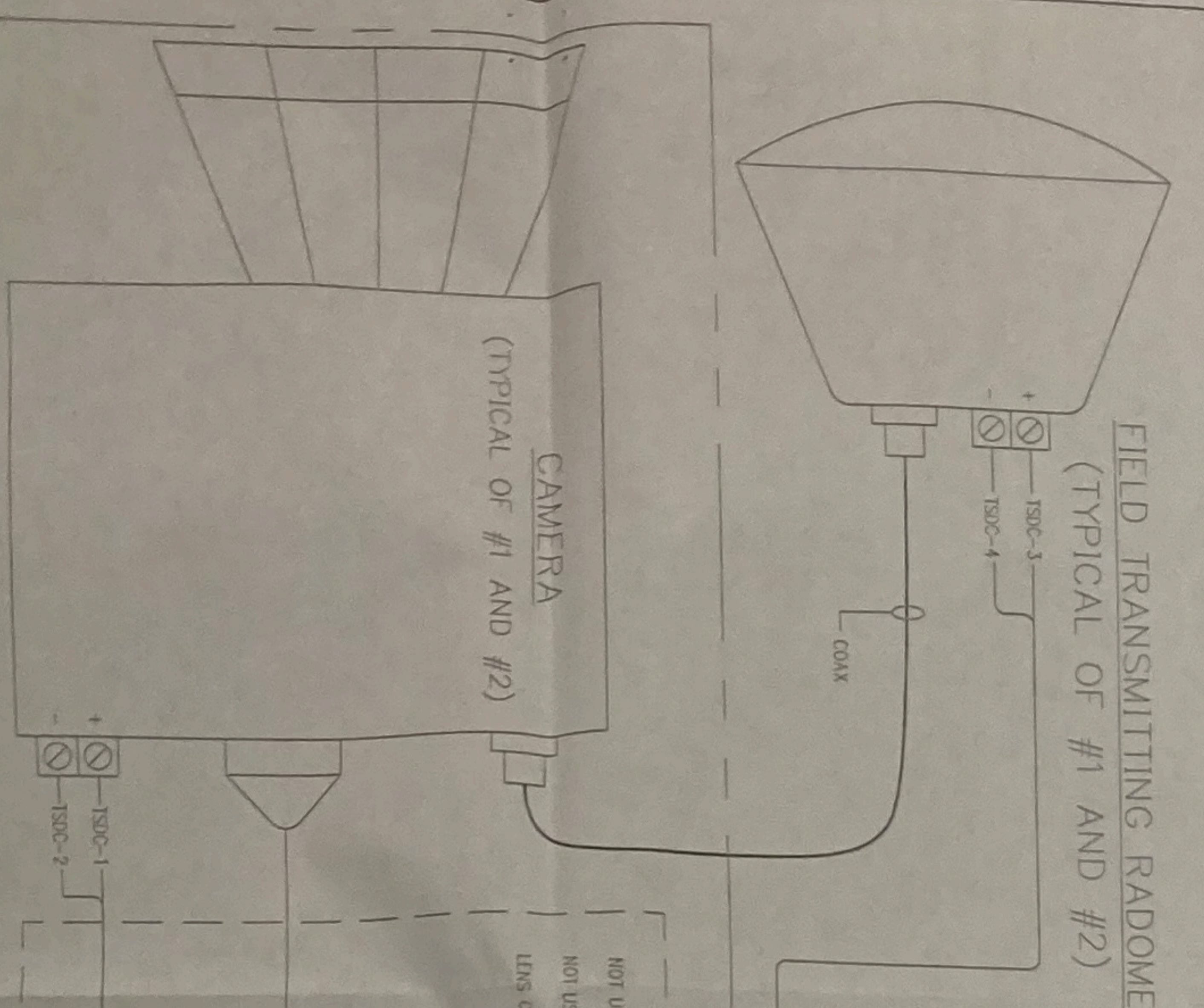
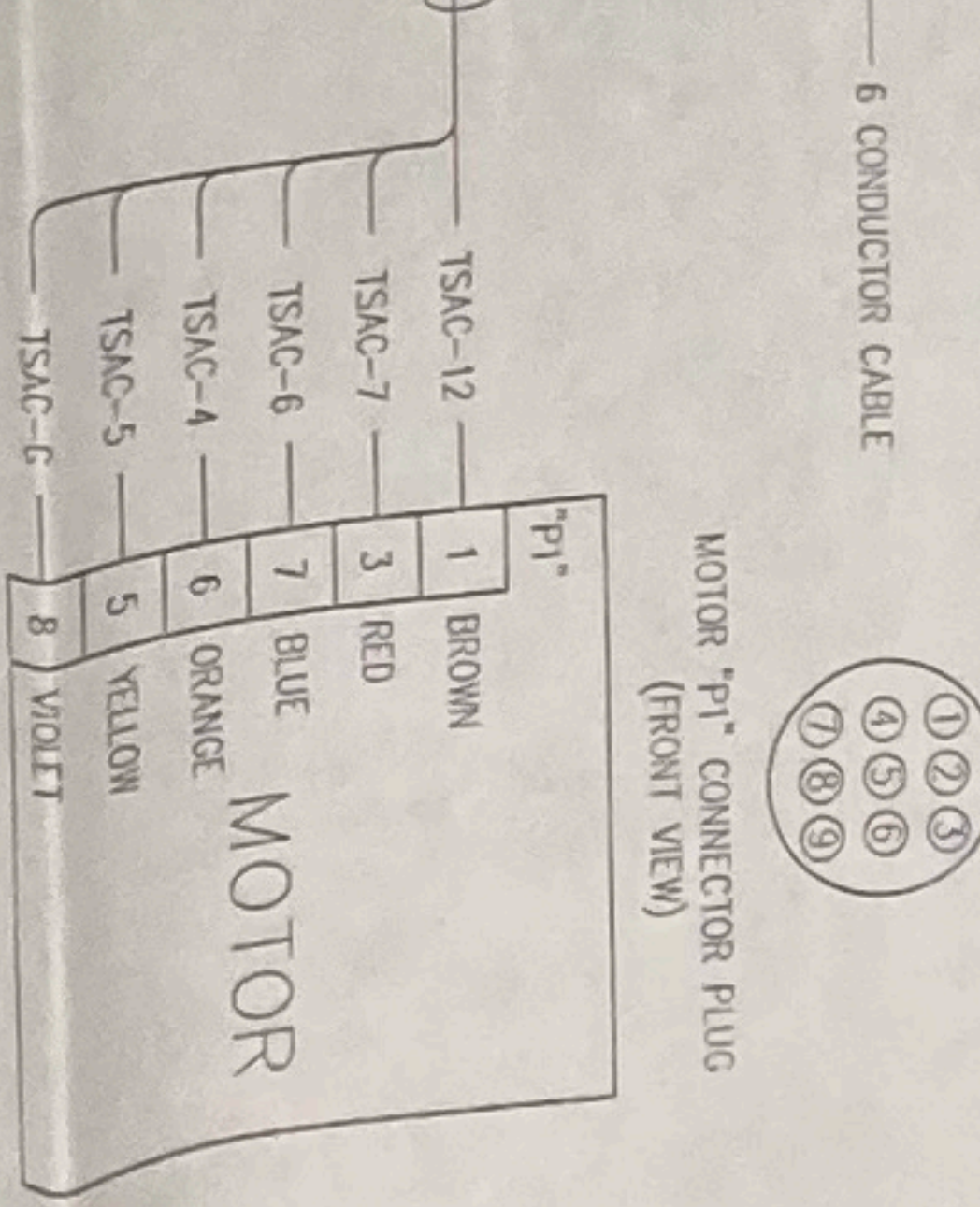
CONTROL ROOM



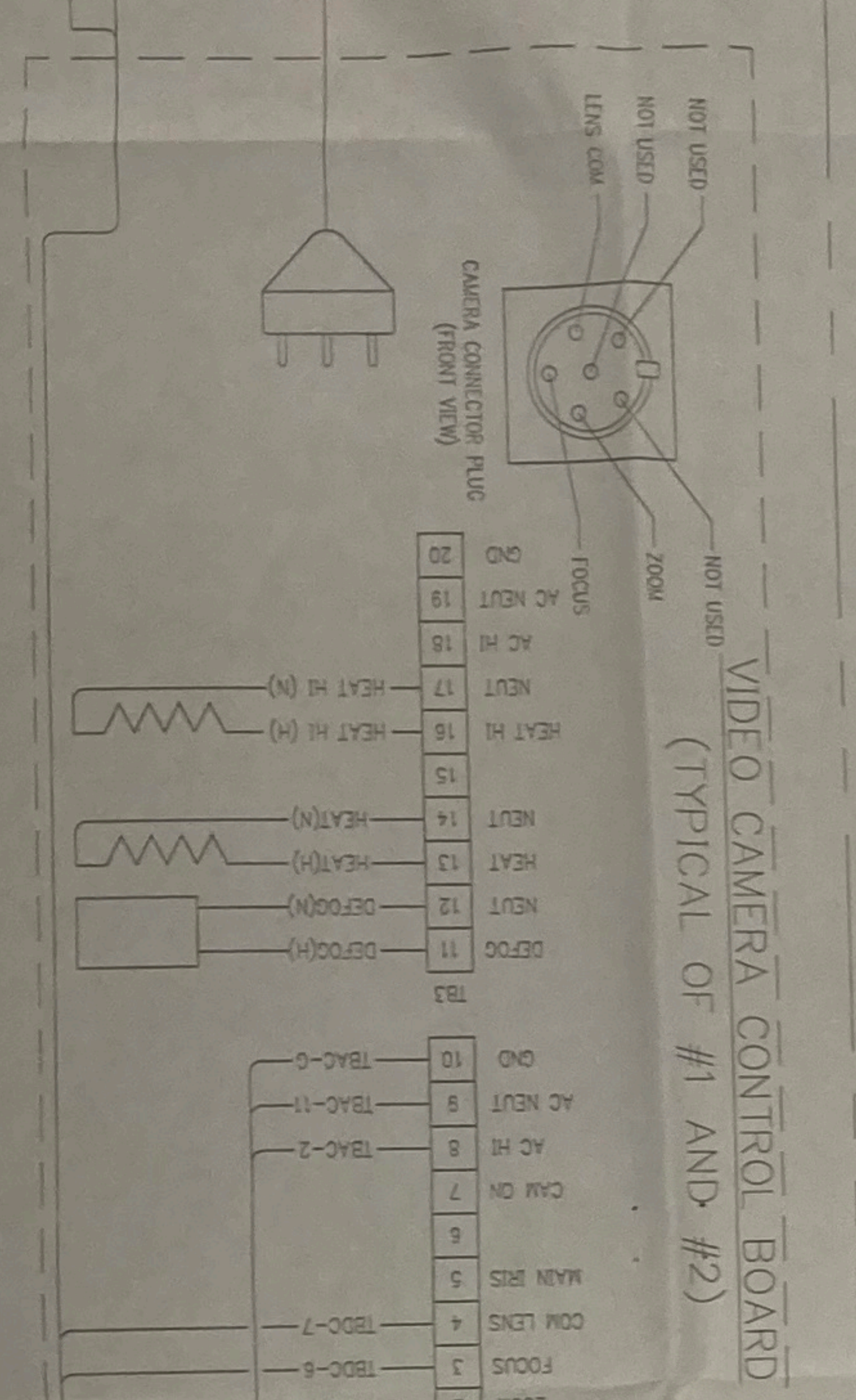
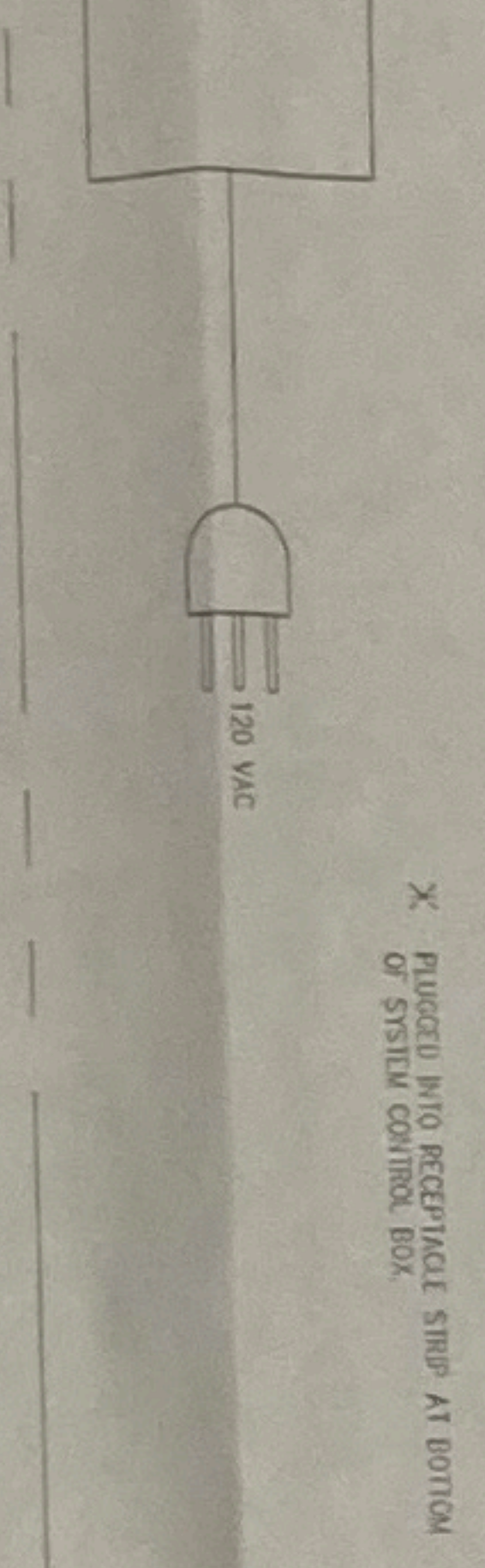
PIPELINE VIDEO CONTROL BOX
(TYPICAL OF BOX #1 AND #2)



PAN & TILT MOTOR
(TYPICAL OF #1 AND #2)



FIELD RECEIVING ANTENNA
(TYPICAL OF #1 AND #2)



DATE	BY	DESCRIPTION
3/27/91	RS	REVISED FOR CONSTRUCTION
1/17/91	RS	REVISED FOR CONSTRUCTION
1/17/91	RS	REVISED FOR CONSTRUCTION
1/17/91	RS	REVISED FOR CONSTRUCTION
1/17/91	RS	REVISED FOR CONSTRUCTION
1/17/91	RS	REVISED FOR CONSTRUCTION

INITIALS	DATE	SCALE	NO.	REV. NO.	REV. NO.
RS	3/27/91	AS-BUILT	0129	01	1
RS	1/17/91	REVISED FOR CONSTRUCTION	0129	02	1
RS	1/17/91	REVISED FOR CONSTRUCTION	0129	03	1
RS	1/17/91	REVISED FOR CONSTRUCTION	0129	04	1
RS	1/17/91	REVISED FOR CONSTRUCTION	0129	05	1
RS	1/17/91	REVISED FOR CONSTRUCTION	0129	06	1

TEXACO REFINING & MARKETING INC.
 PUGET SOUND PLANT
 ANACORTES, WASHINGTON
UNIT 22, PIPELINE VIDEO SYSTEM
 ELECTRICAL WIRING

22-EJ-15
 1

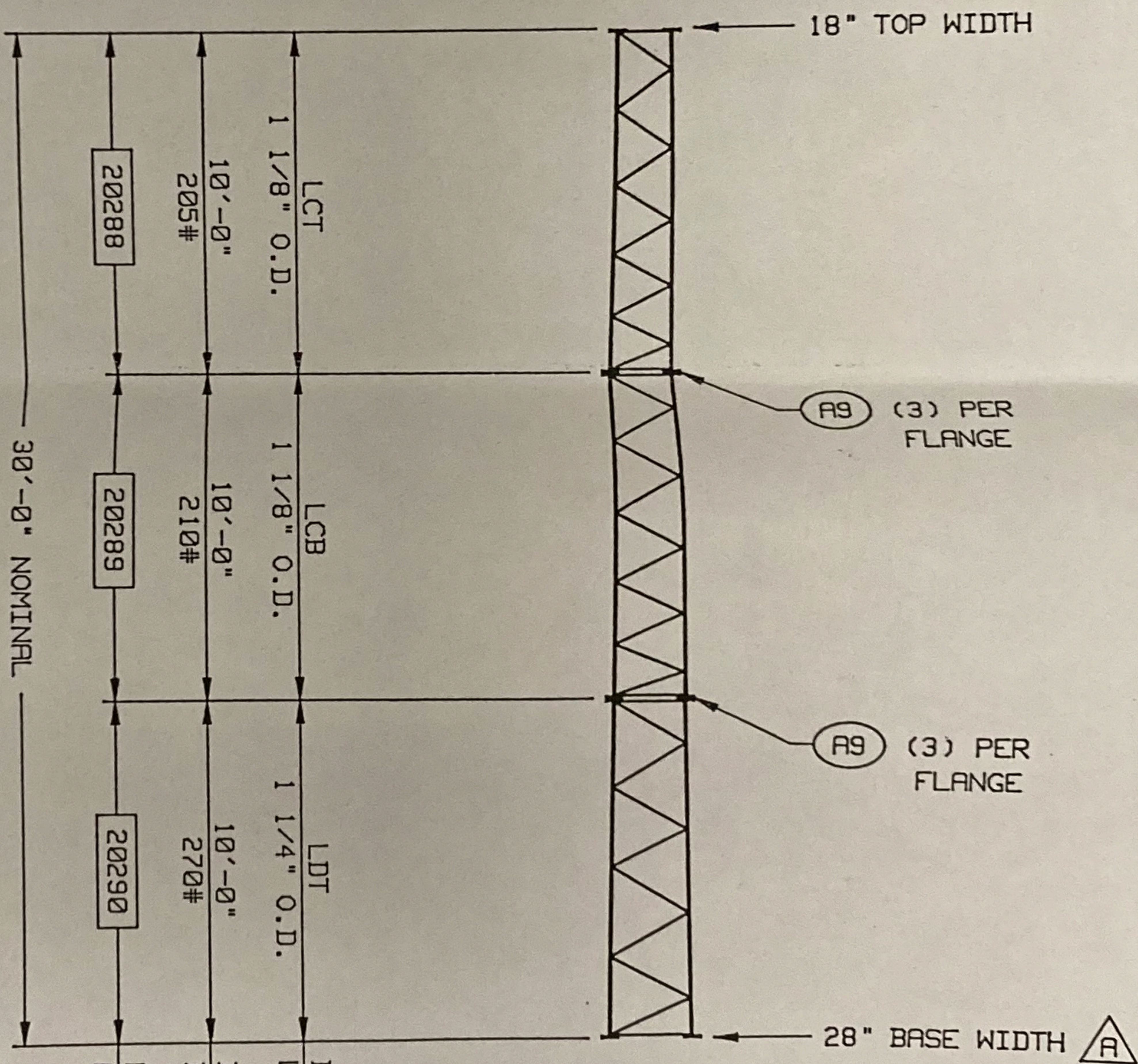
PARTS LIST			
BAY	MARK	DESCRIPTION	REQ'D
LCT	20288	TOWER SECTION WELDMENT	1
LCB	20289	TOWER SECTION WELDMENT	1
LDT	20290	TOWER SECTION WELDMENT	1

HARDWARE LIST		
SYM.	REQ'D	DESCRIPTION
(A9)	18	1/2 Ø x 2 1/4 A325 BOLT, NUT & L.W.

REFERENCE DRAWING:

FOUNDATION & A.B. LAYOUT.....B-59847

PLAN



ELEVATION

3/16" = 1'-0"

REVISION
 DATE 11/4/95
 REJECTED # 27409
 APPROVED

SITE COPY
 Shall Be On Site For
 Inspection At All Times

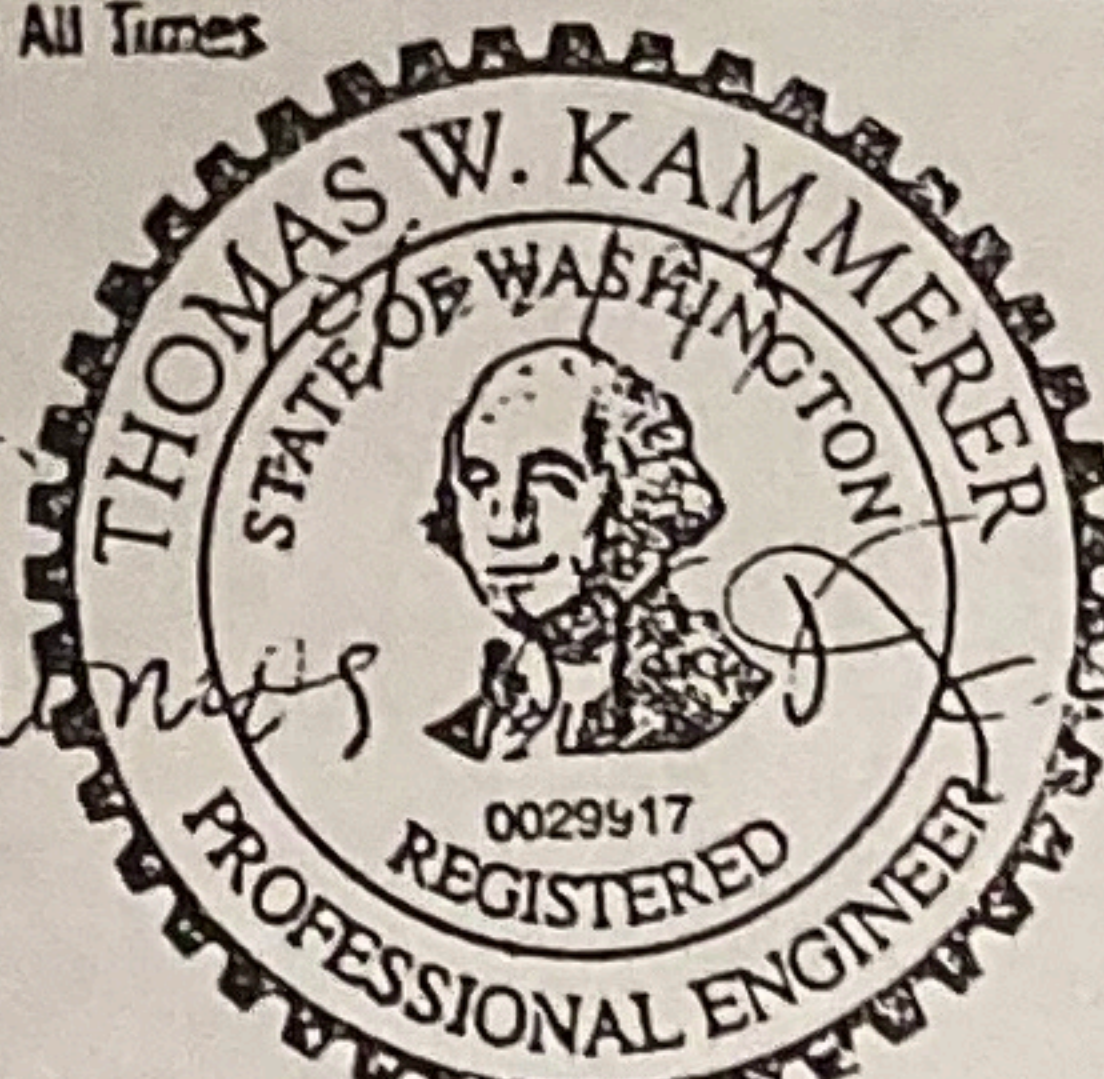
FP 22-54-2

SITE COPY
 Shall Be On Site For
 Inspection At All Times

MASTER ERECTION
 18-L700-30
 30 FT. 3-LEG TOWER

MICROFLECT
 3575 25TH STREET S.E.
 SALEM, OR 97302
 (503)363-9267 TWX 510-599-0107

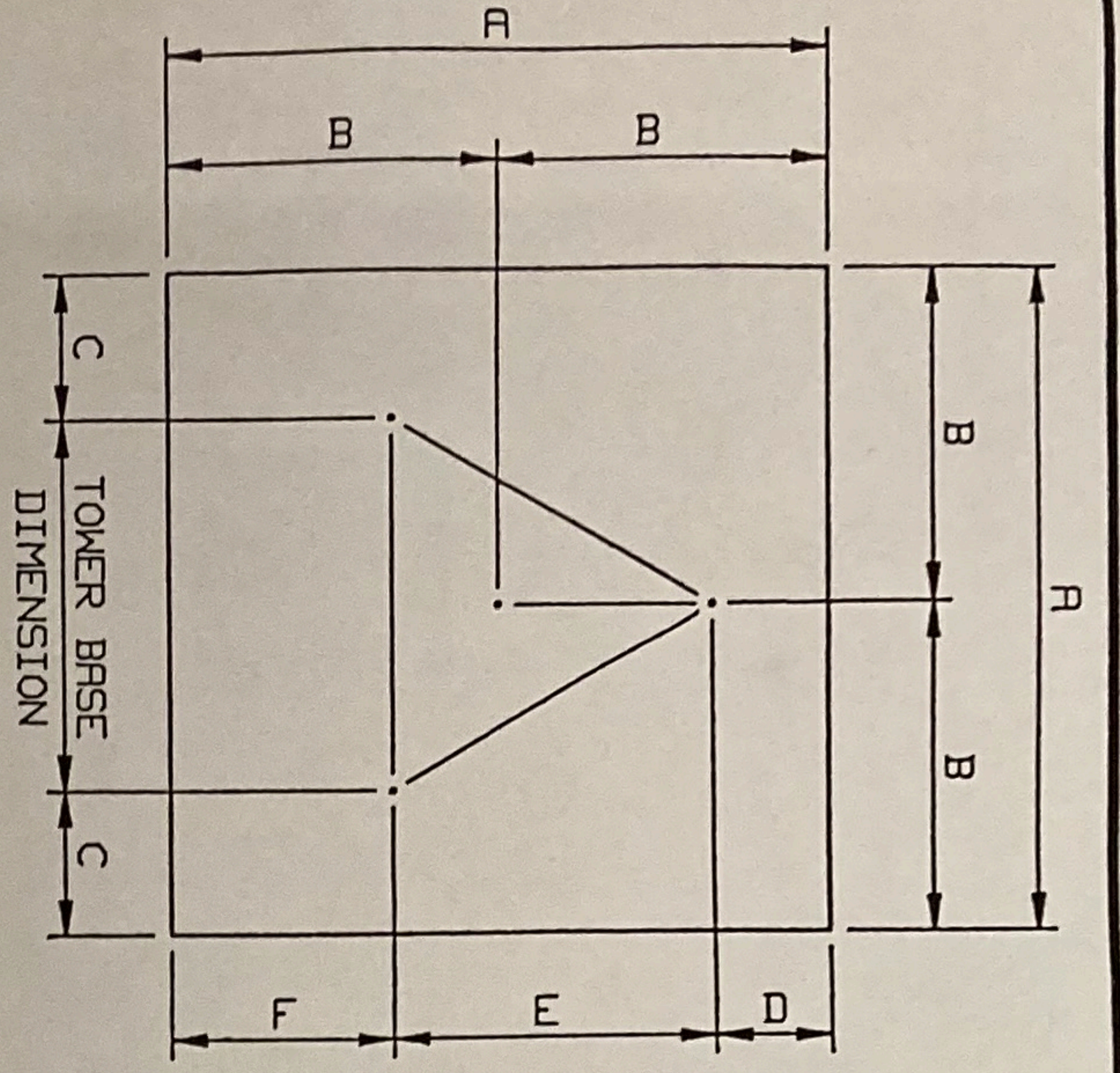
BY PDC
 CK SM
 DATE 8SEP86
 S.O.



EXPIRES 11/1/95

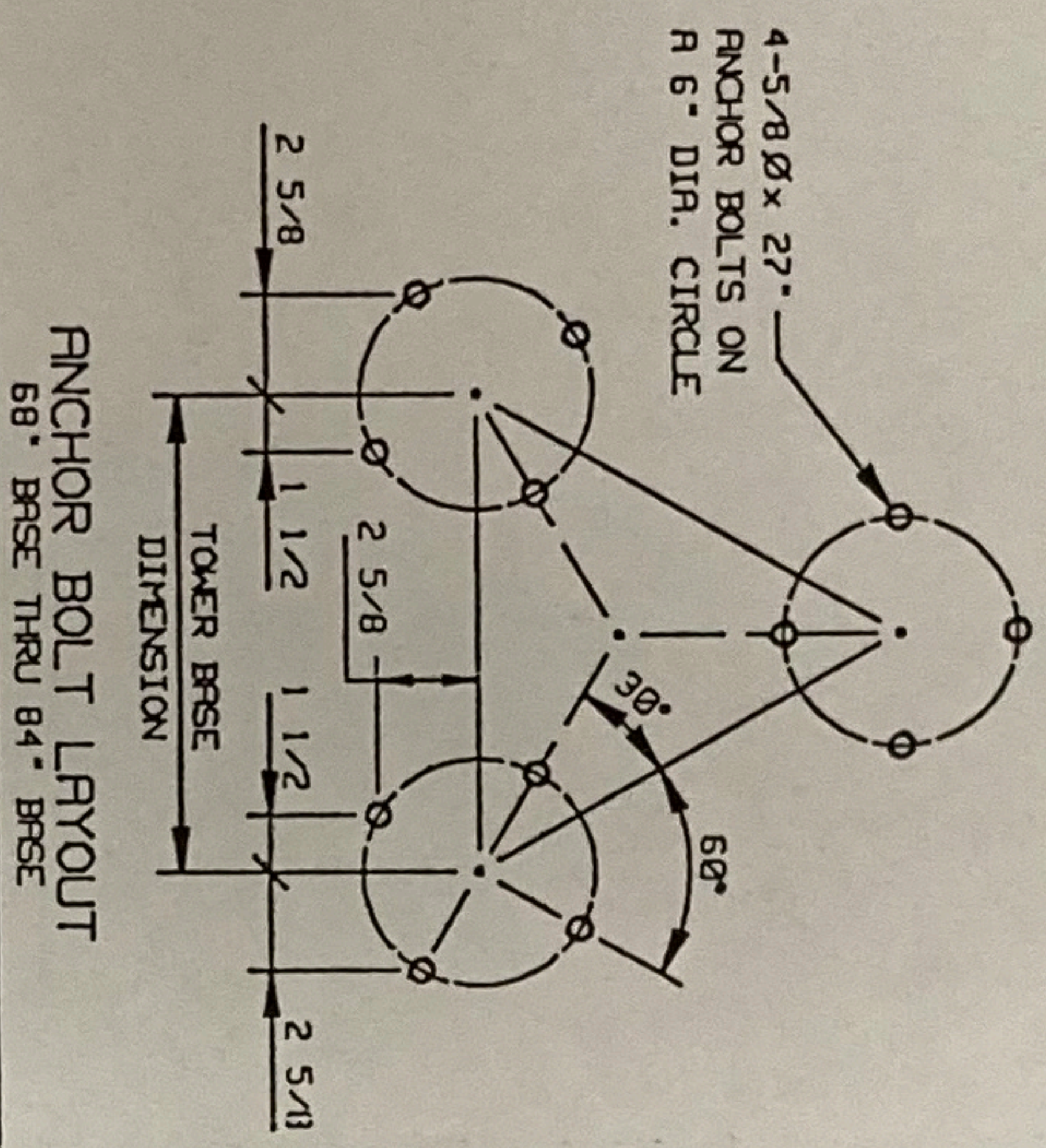
REVISIONS				
REV	DESCRIPTION	DATE	BY/CK	
A	BASE WIDTH DID NOT SHOW TOP WIDTH	7DEC89	SI	PDC
B	BAYS 20288 & 20289 WERE BAY 20282.	15F92	SI	DR

SHEET 1 OF 1
 DWG. NO. B-65090

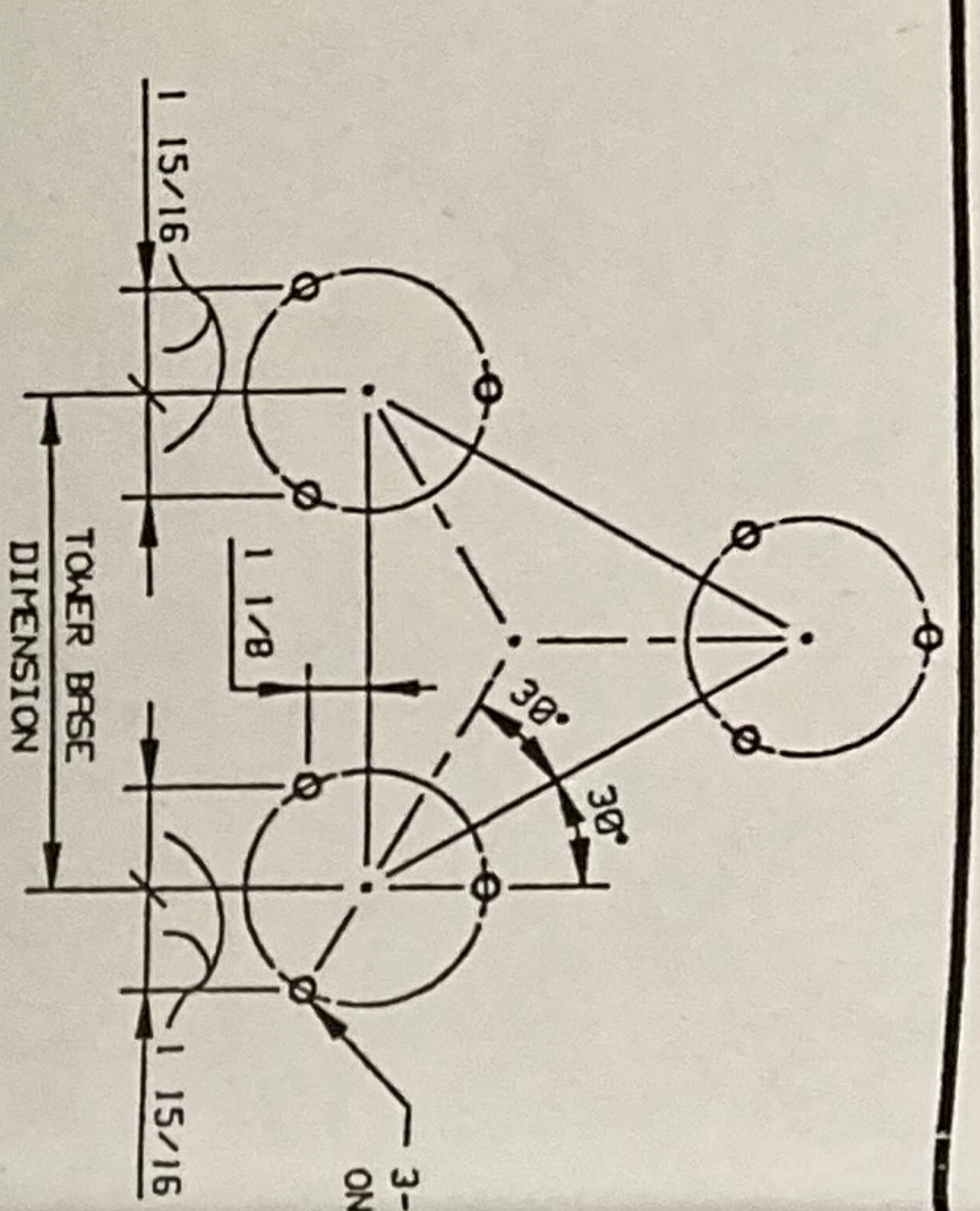


SLAB FOUNDATION ELEVATION VIEW

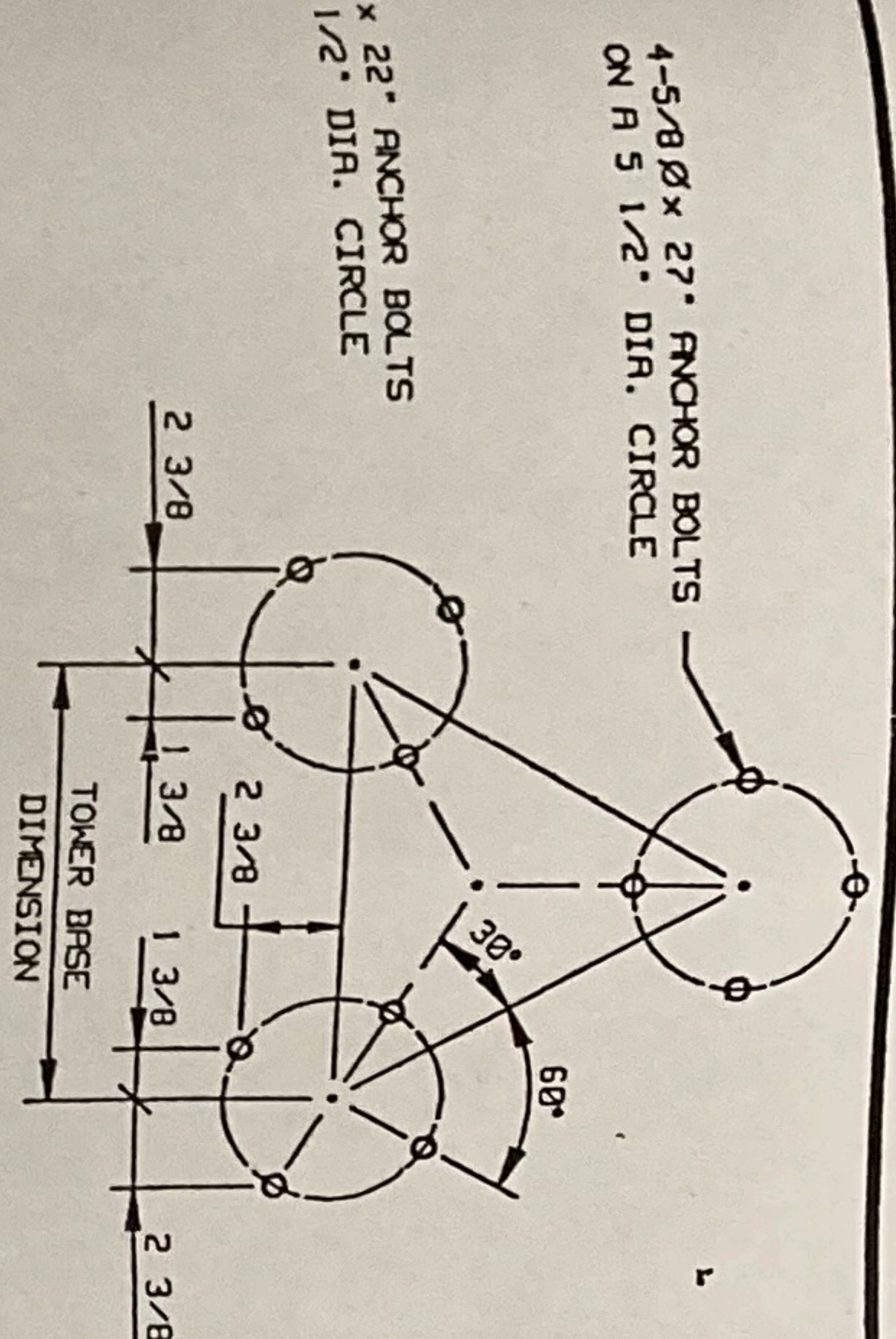
ANCHOR BOLT LAYOUT



ANCHOR BOLT LAYOUT



ANCHOR BOLT LAYOUT



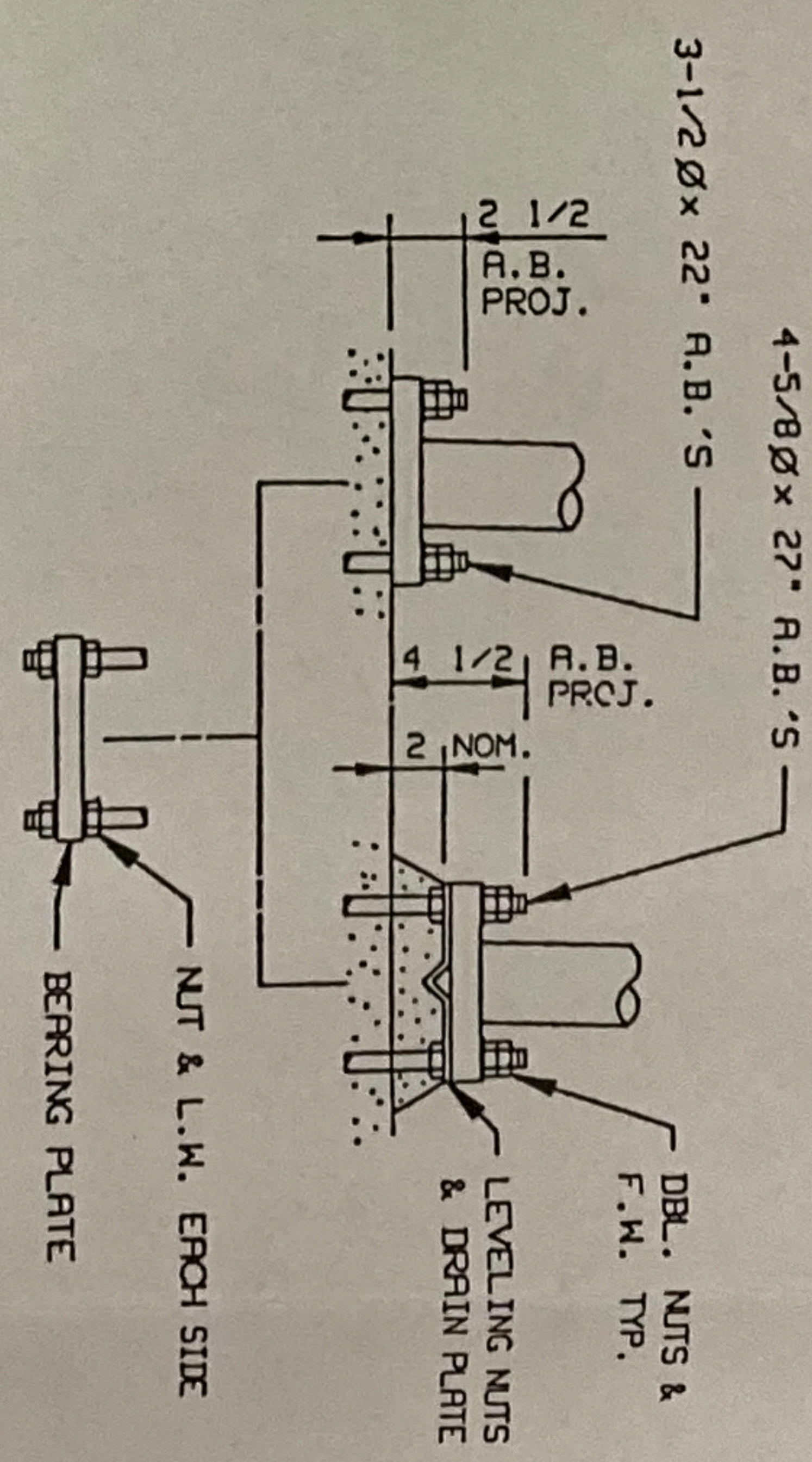
BASE	ANCHOR BOLT DATA			SLAB DIMENSIONS										TOTAL REBAR REQUIRED SEE NOTE #9	CONCRETE REQUIRED (CY'S)
	ANCHOR BOLT	BOLT CIRCLE	Z	R	B	C	D	E	F	G					
13°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	5'-6"	33"	26 1/2"	25 1/2"	11 1/4"	29 1/4"	24"	32-44	2.24			
14°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	5'-6"	33"	26"	24 15/16"	12 1/8"	28 15/16"	24"	32-44	2.24			
16°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	6'-0"	36"	28"	26 3/4"	13 7/8"	31 3/8"	24"	32-44	2.67			
18°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	6'-0"	36"	27"	25 5/8"	15 9/16"	30 13/16"	24"	32-44	2.67			
21°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	6'-6"	39"	28 1/2"	26 7/8"	18 3/16"	32 15/16"	24"	36-44	3.13			
24°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	6'-6"	39"	27"	25 1/8"	20 13/16"	32 15/16"	27"	40-44	3.52			
28°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	7'-0"	42"	28"	25 13/16"	24 1/4"	33 15/16"	27"	44-44	4.00			
32°	3-1/2 x 22	4 1/2" DIA.	2 1/2"	7'-6"	45"	29"	26 1/2"	27 11/16"	35 13/16"	30"	32-45	5.21			
37°	4-5/8 x 27	5 1/2" DIA.	4 1/2"	8'-0"	48"	29 1/2"	26 5/8"	32 1/16"	37 5/16"	33"	40-45	6.52			
42°	4-5/8 x 27	5 1/2" DIA.	4 1/2"	8'-6"	51"	30"	26 3/4"	36 3/8"	38 7/8"	36"	44-45	8.03			
48°	4-5/8 x 27	5 1/2" DIA.	4 1/2"	9'-0"	54"	30"	26 5/16"	41 9/16"	40 1/8"	39"	52-45	9.75			
54°	4-5/8 x 27	5 1/2" DIA.	4 1/2"	9'-6"	57"	30"	25 13/16"	46 3/4"	41 7/16"	39"	52-45	10.9			
61°	4-5/8 x 27	5 1/2" DIA.	4 1/2"	10'-0"	60"	29 1/2"	24 13/16"	52 13/16"	42 3/8"	42"	60-45	13.0			
68°	4-5/8 x 27	6" DIA.	4 1/2"	11'-0"	66"	32"	26 3/4"	58 7/8"	46 3/8"	36"	56-45	13.4			
76°	4-5/8 x 27	6" DIA.	4 1/2"	11'-6"	69"	31"	25 1/8"	65 13/16"	47 1/16"	42"	60-45	17.1			
84°	4-5/8 x 27	6" DIA.	4 1/2"	12'-6"	75"	33"	26 1/2"	72 3/4"	50 3/4"	39"	60-45	18.8			

GENERAL NOTES:

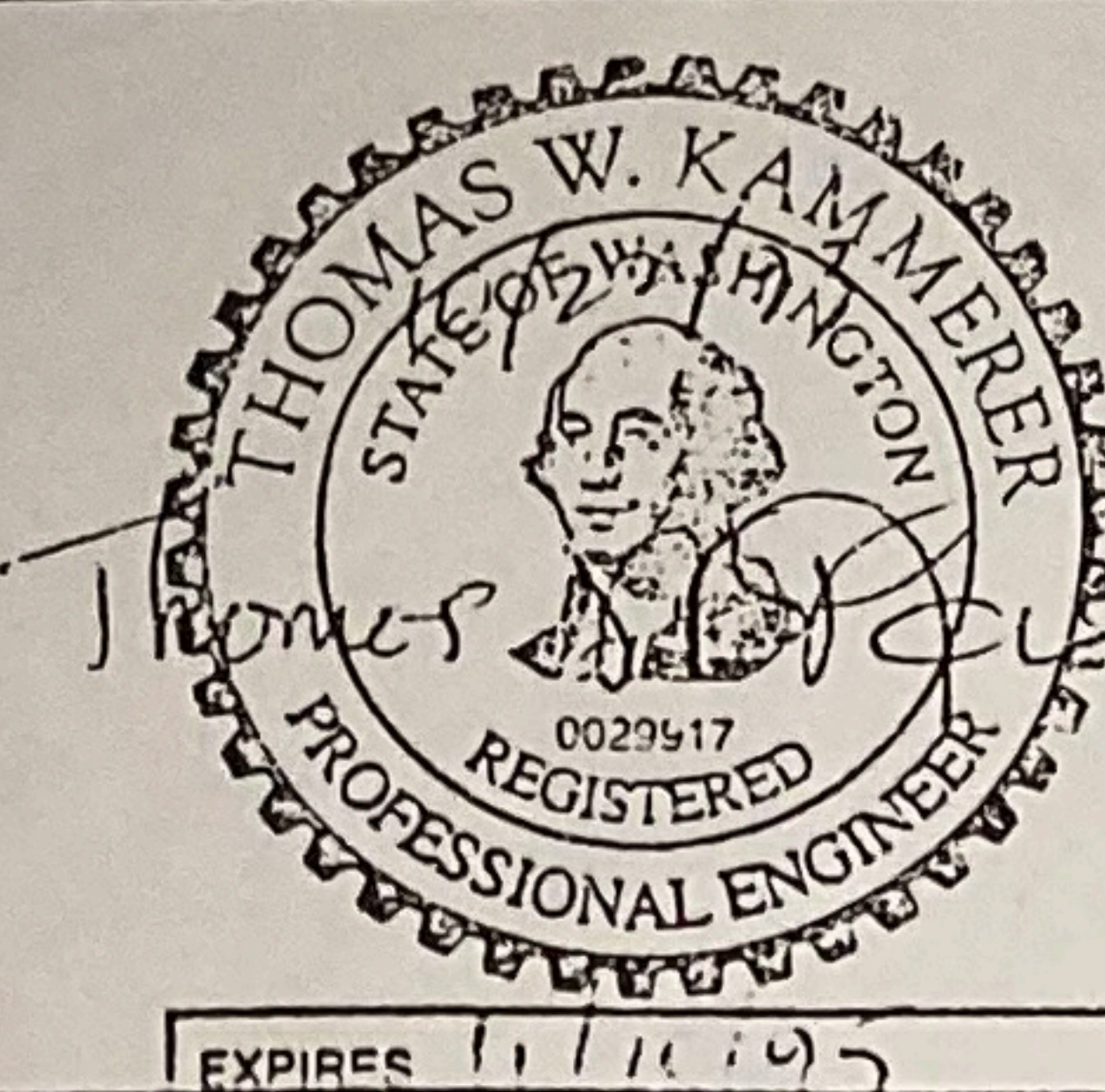
- Prior to excavation, check the area for underground facilities.
- All reinforcing shall be intermediate grade deformed bars conforming to ASTM A615 Grade 60 (60,000 psi min. yield) and shall be provided by the foundation contractor.
- All concrete shall have a minimum ultimate compressive stress of 3,000 psi at 28 days. The requirement for the concrete shall be as given in the PCI "Standard Building Code for Reinforced Concrete", PCI 318, the latest edition.
- Concrete shall be placed against undisturbed soil to the depth indicated on the foundation drawing. The portion above grade shall be formed. If an area is excavated beyond the limits shown, this volume shall be filled with concrete or formed. After the forms are removed, the excess excavation shall be replaced and compacted. Tower bearing areas of footing to be level with respect to each other and trowelled smooth.
- The soil is considered to weigh 100 pcf.
- Concrete is assumed to weigh 150 pcf.
- Dry Packing Procedure: Mix 2 parts sand, one part cement, and add water content to a minimum. (This minimizes the possibility of shrinkage when the mortar, dry-mixed for maximum density and strength, is packed in place.) The packing shall be done by hand, ramming with bars or calking tools, or a combination thereof.
- Install equal quantity of rebar each way at top and bottom of pad.

TYPICAL ANCHOR BOLT DETAIL

GROUT ALL TOWERS WITH 37° THRU 84° BRSE



REV	DESCRIPTION	DATE	BY/CK
A	80°-84° BRSE R.F.D. 5 1/2" R.B. CIRCLES	30MAY86	PDC JS
B	REVISED REBAR QUANTITIES	6OCT87	JS MB
C	REBAR WRS CHANGED PER G60 & MIN. STEEL	25FEB88	PR JED



700 SERIES - LIGHTWEIGHT TOWER
SLAB FOUNDATION LAYOUTS

FP. 22-54-3

MICROFLECT
3575 25TH STREET S.E.
SALEM, OR 97302
(503) 363-9267 FAX 503-555-0107

BY	PDC
CK	DB
DATE	8JUN85
S.O.	

SHEET 1 OF 1
DWG. NO. B-59847

DATE 11/4/85 # 27409
REJECTED APPROVED

SITE COPY
Shall Be On Site For
Inspection At All Times

PARTS LIST

BY	MARK	DESCRIPTION	REQ'D
LCT	20288	TOWER SECTION WELDMENT	1
LCB	20289	TOWER SECTION WELDMENT	1
LDT	20290	TOWER SECTION WELDMENT	1
LDB	20291	TOWER SECTION WELDMENT	1

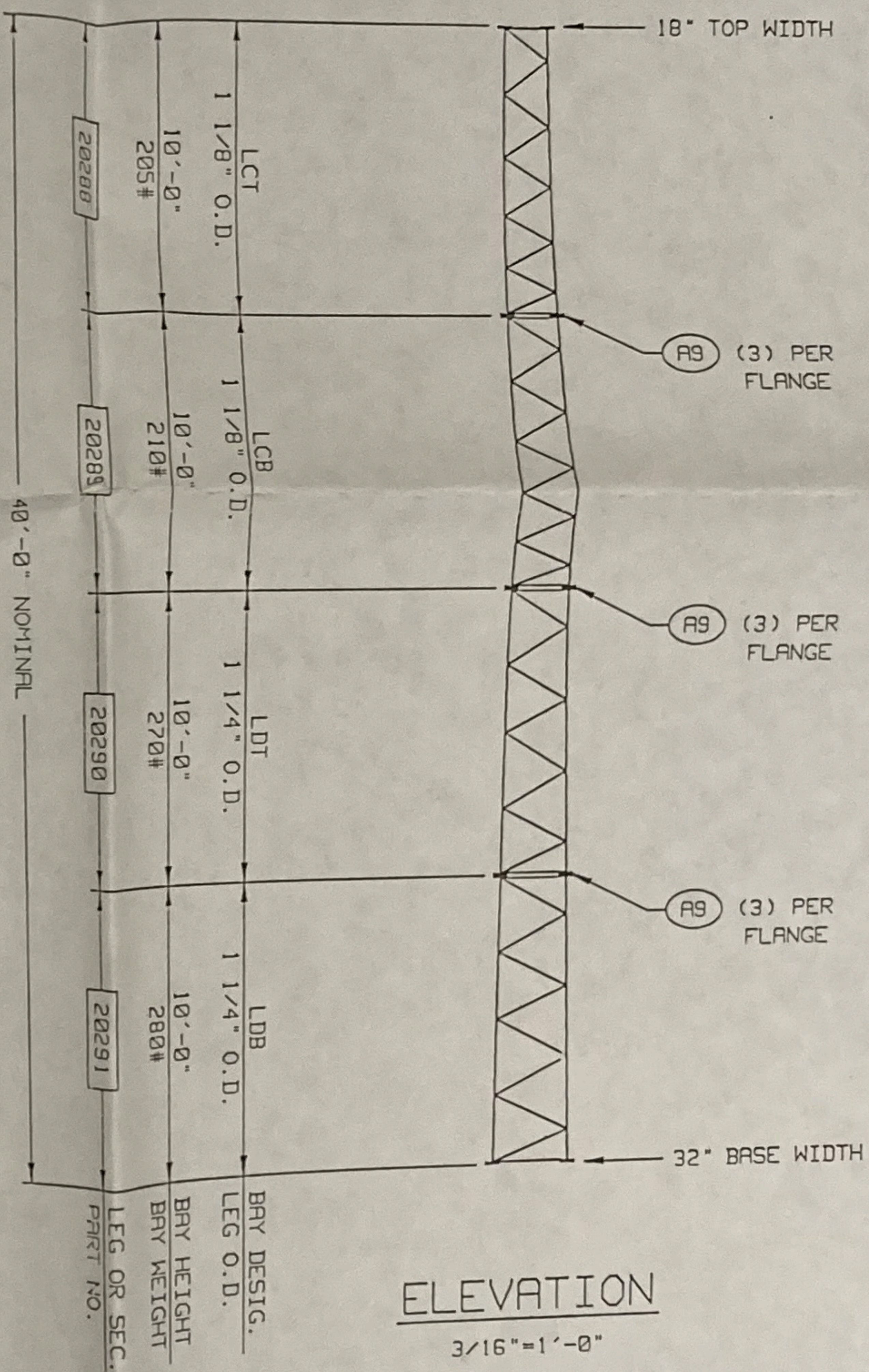
HARDWARE LIST

SYM.	REQ'D	DESCRIPTION
(A9)	27	1/2" Ø x 2 1/4" A325 BOLT, NUT & L.W.

REFERENCE DRAWING:

FOUNDATION & A.B. LAYOUT.....B-59847

△
PLAN



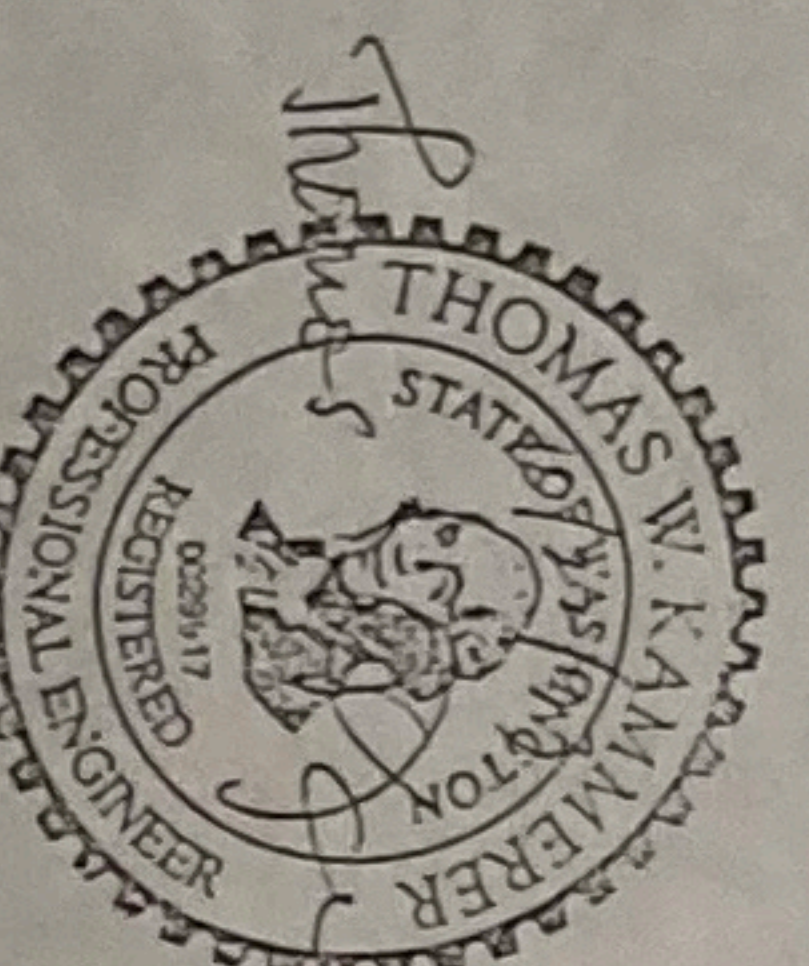
FP 22-54-1

REVISION
10/26/93 # 27409
APPROVED

Site Copy
\$300 Fee On Site Fee
Inspection Allowance

APPROVED PLANS
I NO: 22409 DATE: 11/4/93
Provide Engineer's seals for the tower before
submit to the county engineer's office

EXPIRES 11/11/95



DESCRIPTION	DATE	BY	CHK
BRAY 20288 & 20289 HERE BRAY 20290 & BRAY 20291 & 20291 HERE BRAY 20289.	25 JAN 93	SM	SM

MASTER ERECTION
18-1-700-40
40 FT. 3-LEG TOWER

MICROFLECT
3575 25TH STREET S.E.
SALEM, OR 97302
(503) 363-8267 FAX 510-599-0107

BY PDC CK SM
DATE 95EP88

S.O.

C-65091

SHT. 1 OF 1

Third floor duplicate of...

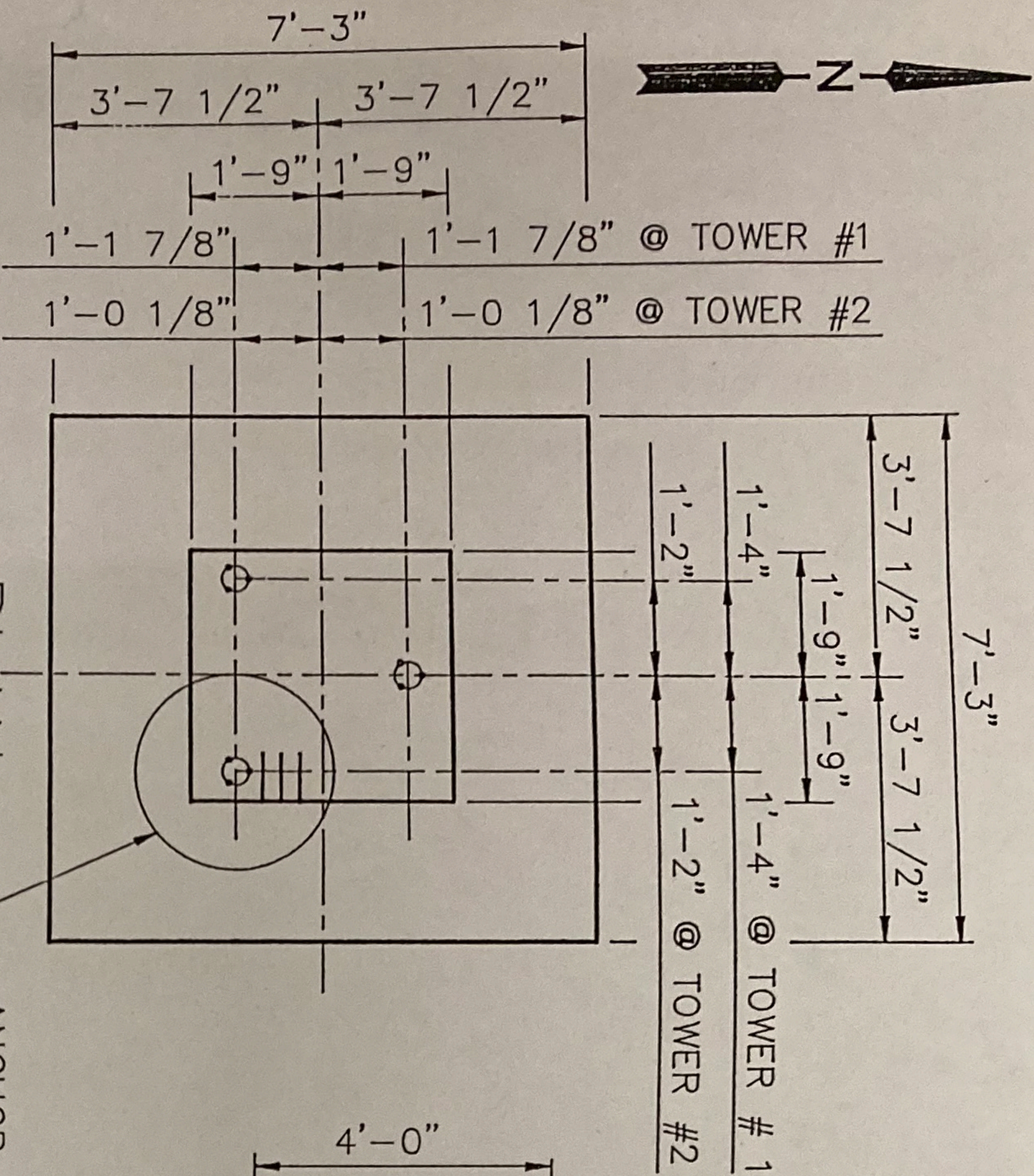
SKAGIT COUNTY PERMIT CENTER

APPROVED PLAN

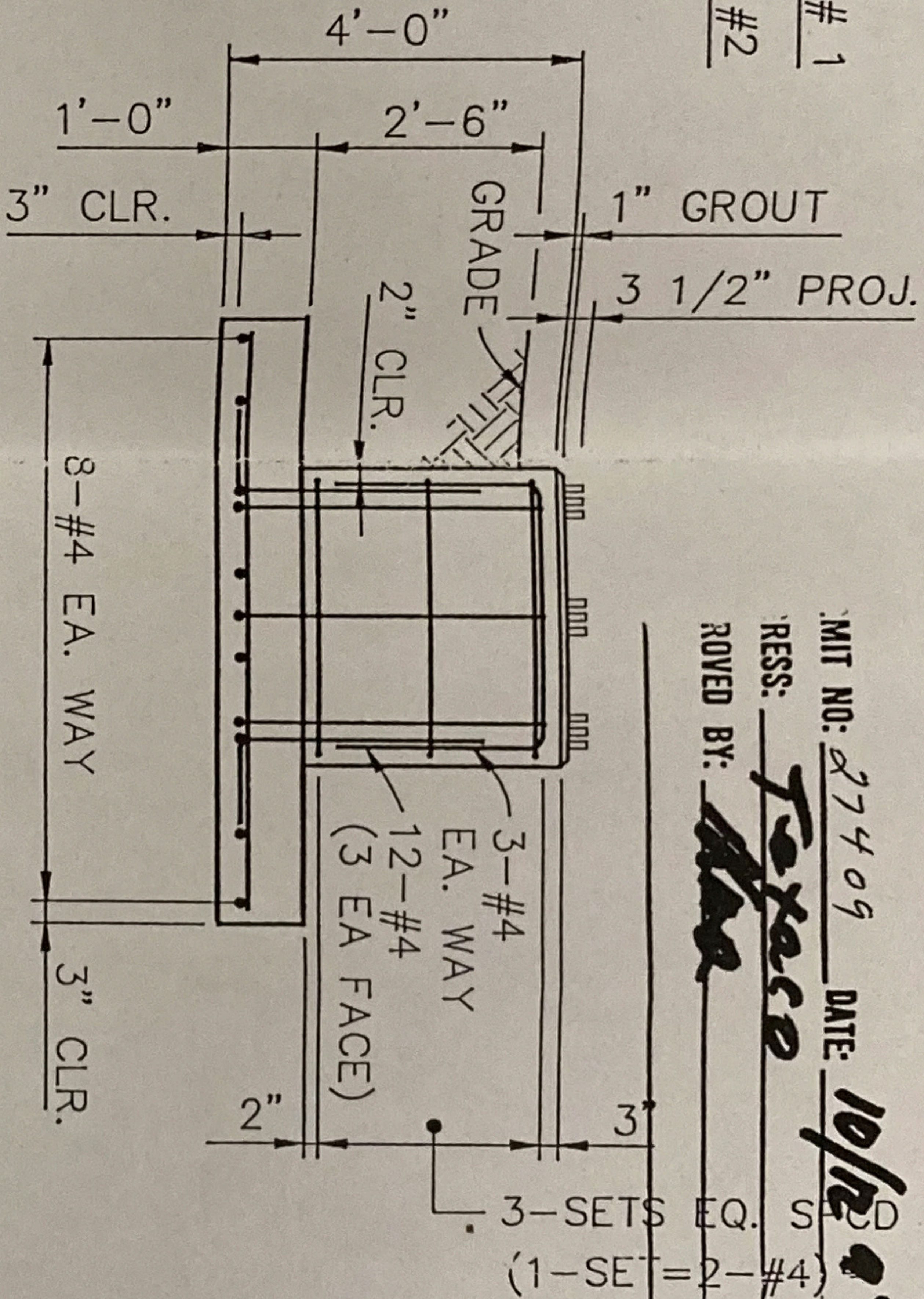
MIT NO: 27409 DATE: 10/20/93
 RESS: *Totaco*
 REVIEWED BY: *Max*

This drawing is to be kept on the Building Site at all time

SITE COPY



PLAN
 3/8"=1'-0"
 (40-AA-3)
 1 15/16"
 ANCHOR BOLTS
 TYP. 3 PLCS.

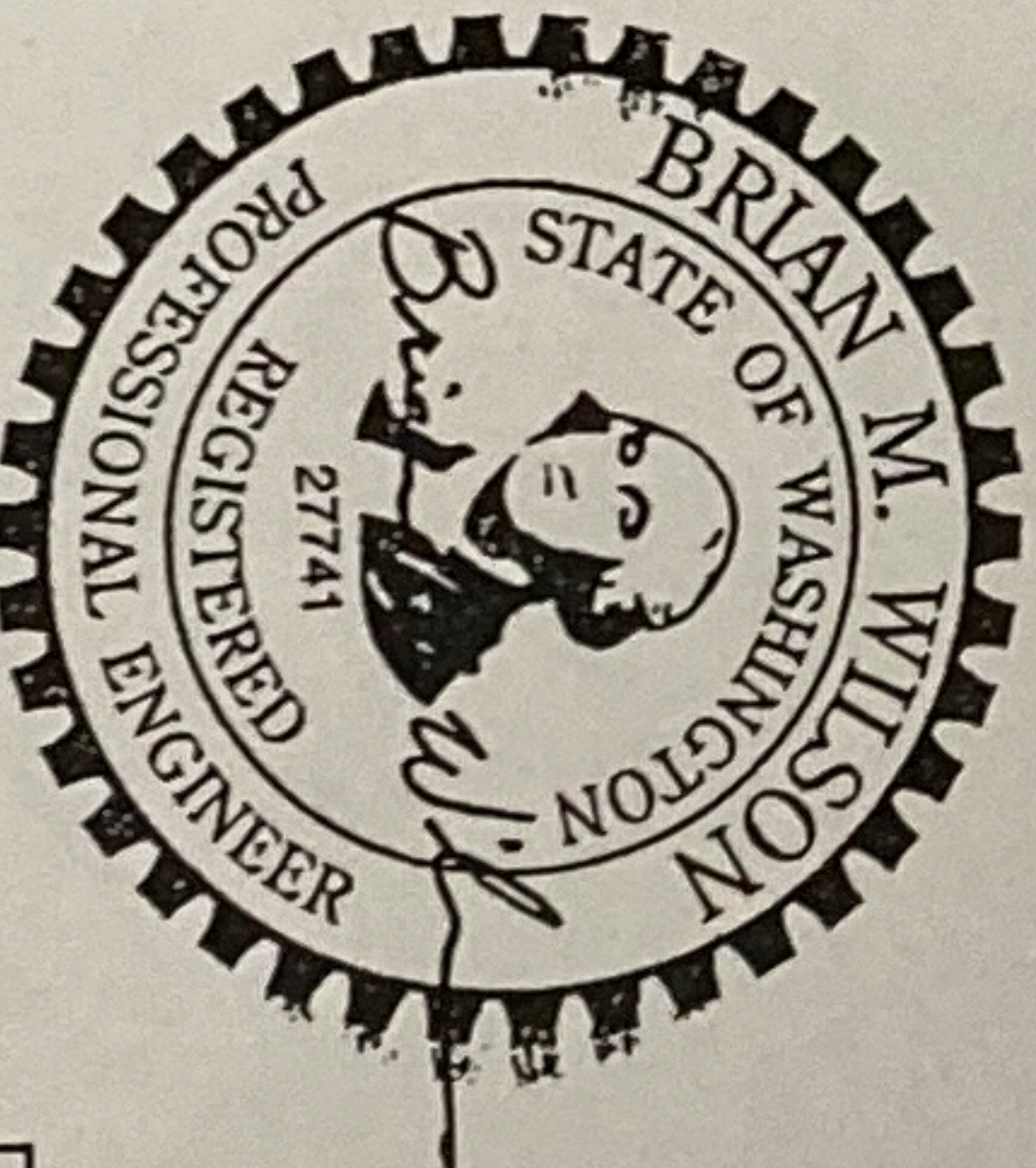


ELEVATION
 3/8"=1'-0"

1 1/2" ϕ x 14" GAUGE SLEEVES (GALV.) @ 12" RAD. FINISH FLUSH WITH TOP AND SIDE OF CONCRETE. NORTH EAST LEG ONLY
 3-1/2" ϕ x 22" LG A-307 ANCHOR BOLTS GALVANIZE PER ASTM A153

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

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ENGINEERING CONTRACTOR:
 ANVIL CORPORATION
 BELLINGHAM, WA
 ANVIL PROJECT BES218
 AutocAD file 5218SB01
 last edit: 10/04/93 09:20

1. DESIGN CRITERIA:
 - a.) PER 1991 UNIFORM BUILDING CODE
 - b.) OUTFITTED TOWER WEIGHT = APPROX. 1600 LBS.
 - c.) DESIGN WIND SPEED = 80 MPH (EXPOSURE C)
2. EXCAVATION:
 - a.) EXCAVATE ACCURATELY TO DIMENSIONS SHOWN. DO NOT OVER EXCAVATE.
 - b.) ADVISE ENGINEER (ANVIL) WHEN EXCAVATION IS TO BE COMPLETE. ENGINEER WILL OBSERVE EXCAVATION BEFORE REINFORCING AND CONCRETE ARE PLACED.
 - c.) COMPACT BACKFILL TO 90% OF MAXIMUM DRY DENSITY, PER ASTM D 1557. PLACE IN LIFTS OF 12" MAXIMUM.
3. CONCRETE:
 - a.) COMPLY WITH ACI 318, LATEST EDITION.
 - b.) 28 DAY COMPRESSIVE STRENGTH, $f_c = 3000$ psi
 - c.) 1 1/2" MAXIMUM AGGREGATE
 - d.) ENTRAINED AIR CONTENT 5% MIN., 8% MAX.
4. REINFORCING STEEL:
 - a.) ASTM A615, GRADE 60
 - b.) LAP #4 BARS 1'-6" TYP.
5. ANCHOR BOLTS:
 - a.) ASTM A-307, GALVANIZED PER A-153
 - b.) MUST BE ACCURATELY POSITIONED. PLACE BEFORE POURING CONCRETE.

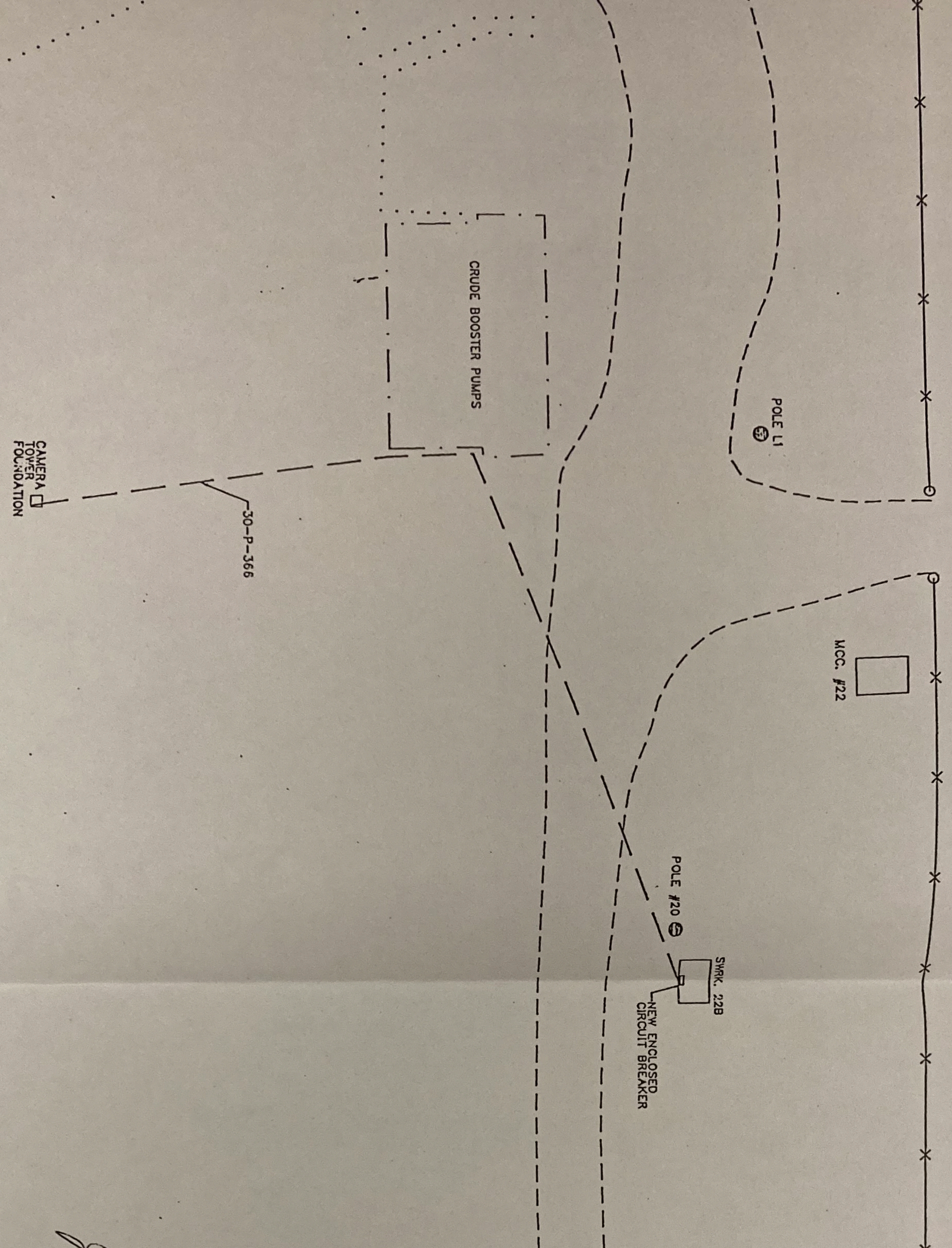
BY	DATE	ESTIMATE	JOB	BY	DATE	DESCRIPTION	SYMBOL	INITIALS-	DATE	SCALE:	CAD FILE NO.	DRAWING NO.	REV NO
D.L.		LAB40	PSP305	MJM	9-93	ISSUE FOR CONSTRUCTION		DWN BY MJM	9/27		5218SB01		
APPROVED						REVISIONS		CKD BY PES	10/1				
								APP'D BY BW	10/4				
								CHG. ENGR.				22-BQ-17	

TEXACO REFINING & MARKETING INC.
 PUGET SOUND PLANT
 ANACORTES, WASHINGTON

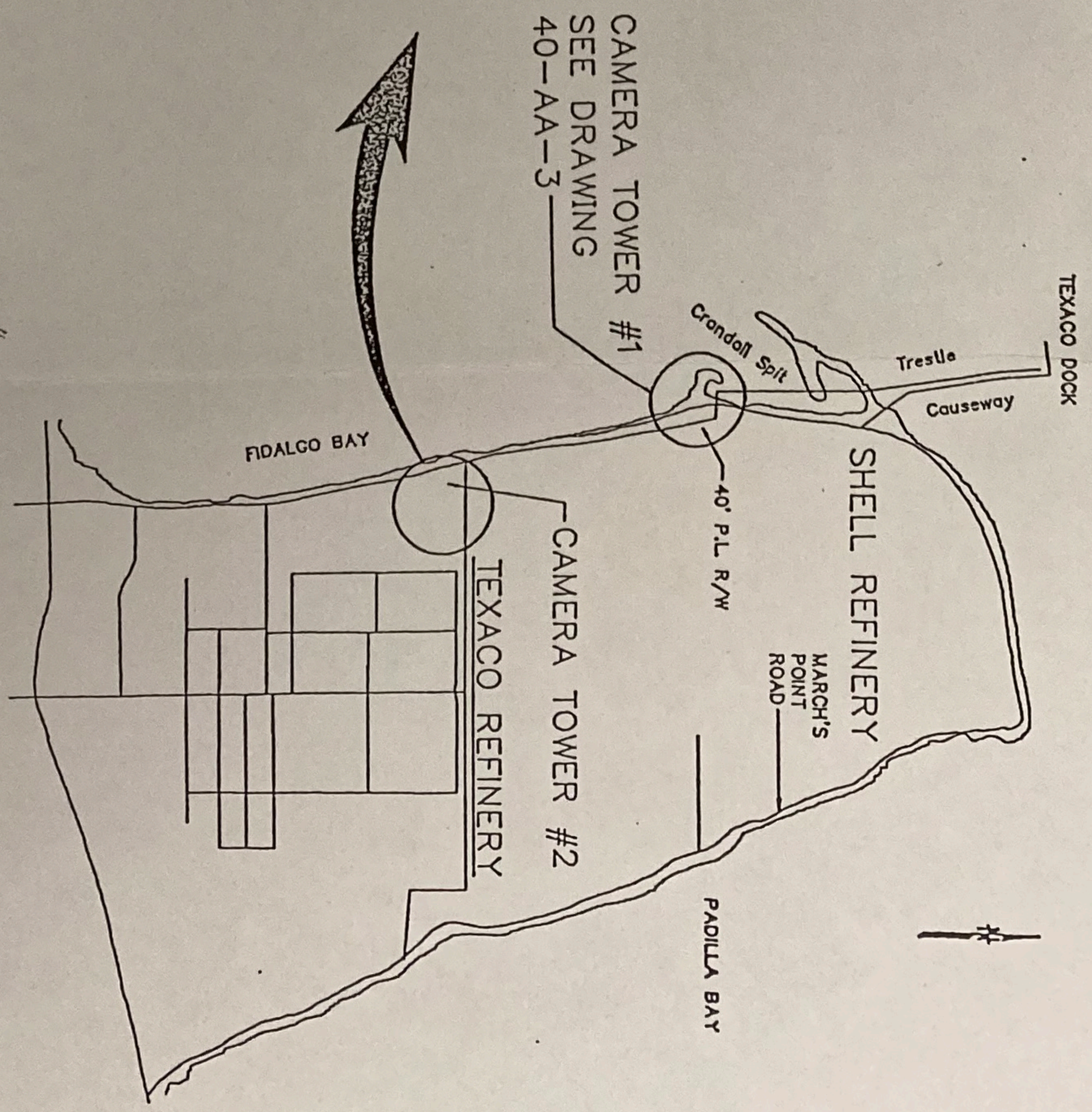
PLANT 22 - WHARF
 CAMERA TOWER FOUNDATION
 PLAN & DETAILS

LOCATION OFFPLOT - TERA & CRUDE BOOSTER PUMPS BM NO. 5129A DATE 10/14/93
 SUBJECT INSTALL VIDEO CAMERA AND RADIOS AT BOOSTER PUMP AND "A" ANCHOR (ELECTRICAL PORTION) BY JMB
 APPVD. BY WV CHKD. BY WV
 CHIEF ENGR. WV
 FILE NO. SK10-14-93
 SCALE: 1"=20'-0"

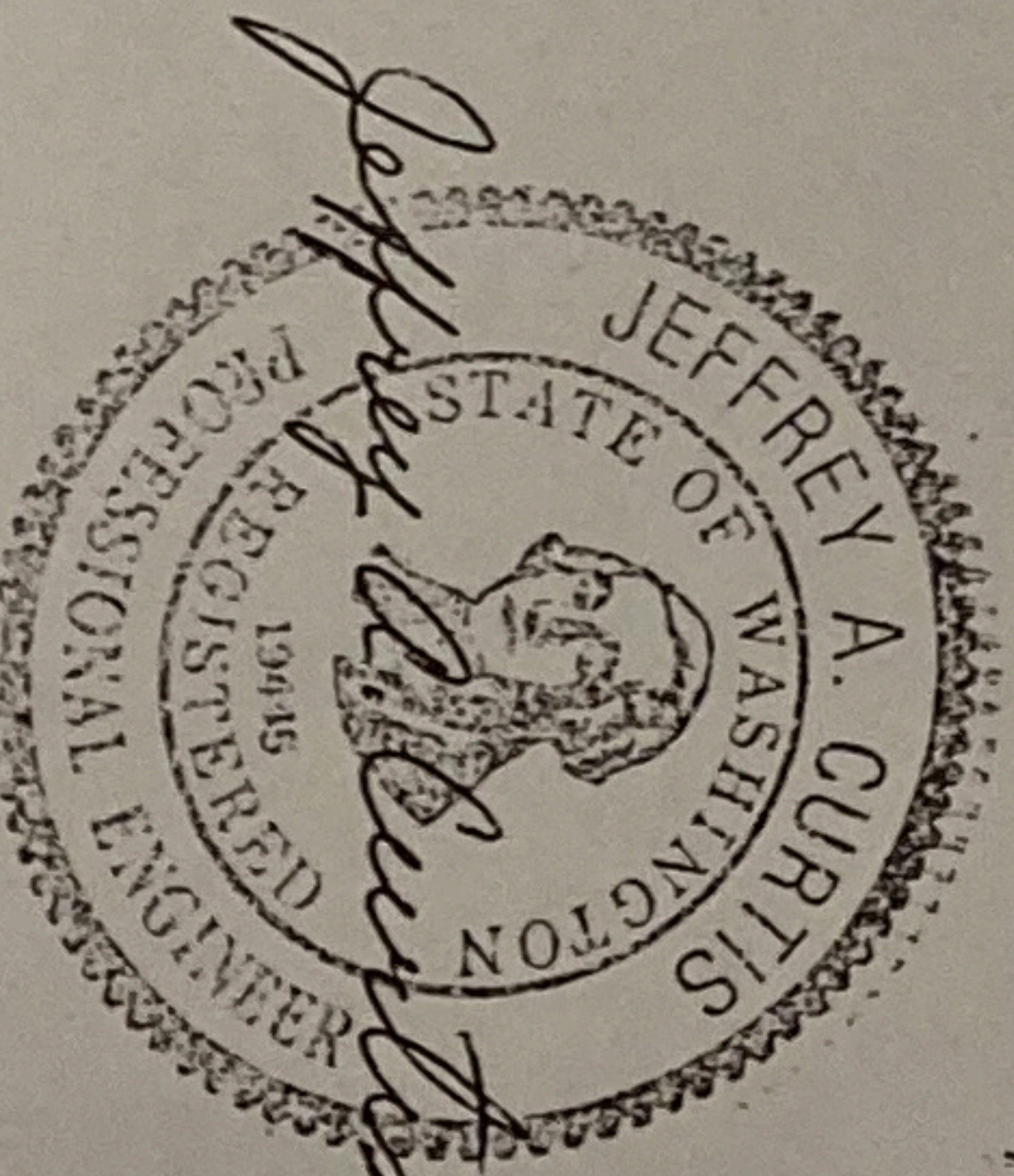
SHT. NO. 1 of 1



PILOT PLAN
 SCALE 1"=20'-0"



KEY PLAN
 N.T.S.

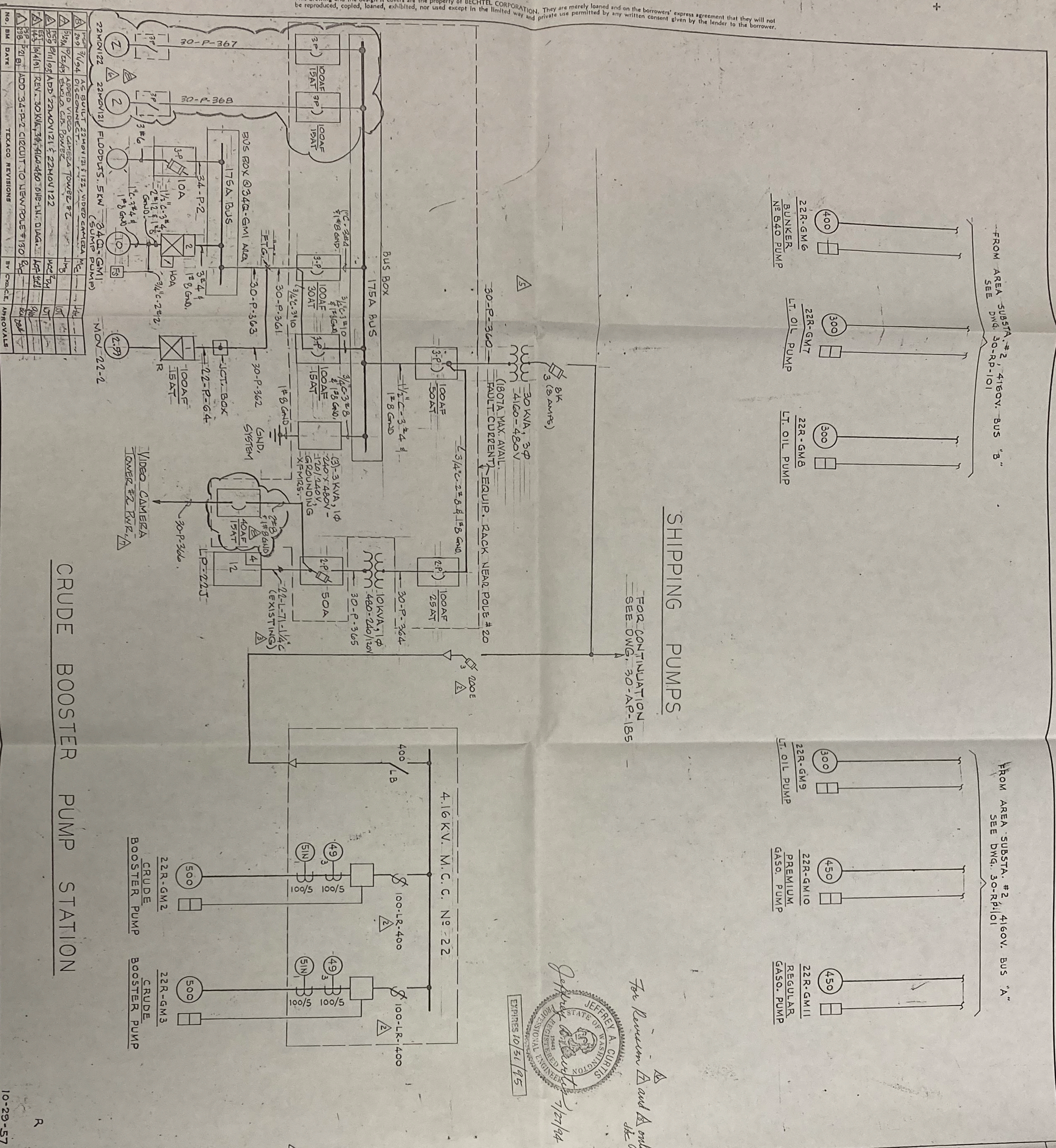


Jeffrey A. Curtis
 7/27/94

EXPIRES 10/31/95

SK10-14-93

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SIZE B

SYMBOLS

- 3 FUSED CUTOFF, POLE MOUNTING. 3-1 POLES INDICATED.
- LB LOADBREAK DISCONNECT SWITCH. 400 INDICATES CURRENT RATING.
- MOTOR STARTER WITH CURRENT-LIMITING FUSES. 3-POLE, 416 KV.
- 100 COMBINATION MOTOR STARTER BREAKER FRAME SIZE. 15 INDICATES BREAKER TRIP SETTING, NEMA SIZE REVERSING.
- TRANSFORMER. RATING AS NOTED.
- CURRENT TRANSF. QUANTITY & RATING AS NOTED.
- 4 LIGHTING PANEL. 240/120V. 3W. 1P. 4 INDICATES NEMA ENCLOSURE TYPE. NUMBER OF CIRCUITS.
- 49 RELAY. NO OUTSIDE CIRCLE INDICATES QUANT. 49; THERMAL OVERLOAD-THERMAL. 51N; GROUND OVERCURRENT-TIME.
- 500 SQUIRREL CAGE INDUCTION MOTOR. NO INDICATES H.P. RATING.

REFERENCE DRAWINGS

ONE LINE DIAGRAM - ELECT. DISTRIBUTION	30-RR-101
ELECT LAYOUT - CRUDE BOOSTER PUMP STA.	22-AP-30
ELECT. U.G. PLAN BLENDING AREA	24-AP-5
ELEC. MISC., SECTS. & DETS., CRUDE BSTER	22-OP-44

BECHTEL CORPORATION
SAN FRANCISCO

THE TEXAS COMPANY
PUGET SOUND WORKS

ELECTRICAL ONE LINE DIAGRAM
CRUDE AND SHIPPING PUMPS

DESIGNED W/S	DATE	BY	ENGR.	CHECKED	DATE
DAWN W/S	2/1/81	WNS	WNS	WNS	2/1/81
CHIEF	DATE	BY	ENGR.	CHECKED	DATE
25225	22-BP-198	WNS	WNS	WNS	2/1/81

FROM AREA SUBSTA. #2, 4160V. BUS "B"
SEE DWG. 30-RD-101

FROM AREA SUBSTA. #2, 4160V. BUS "A"
SEE DWG. 30-RD-101

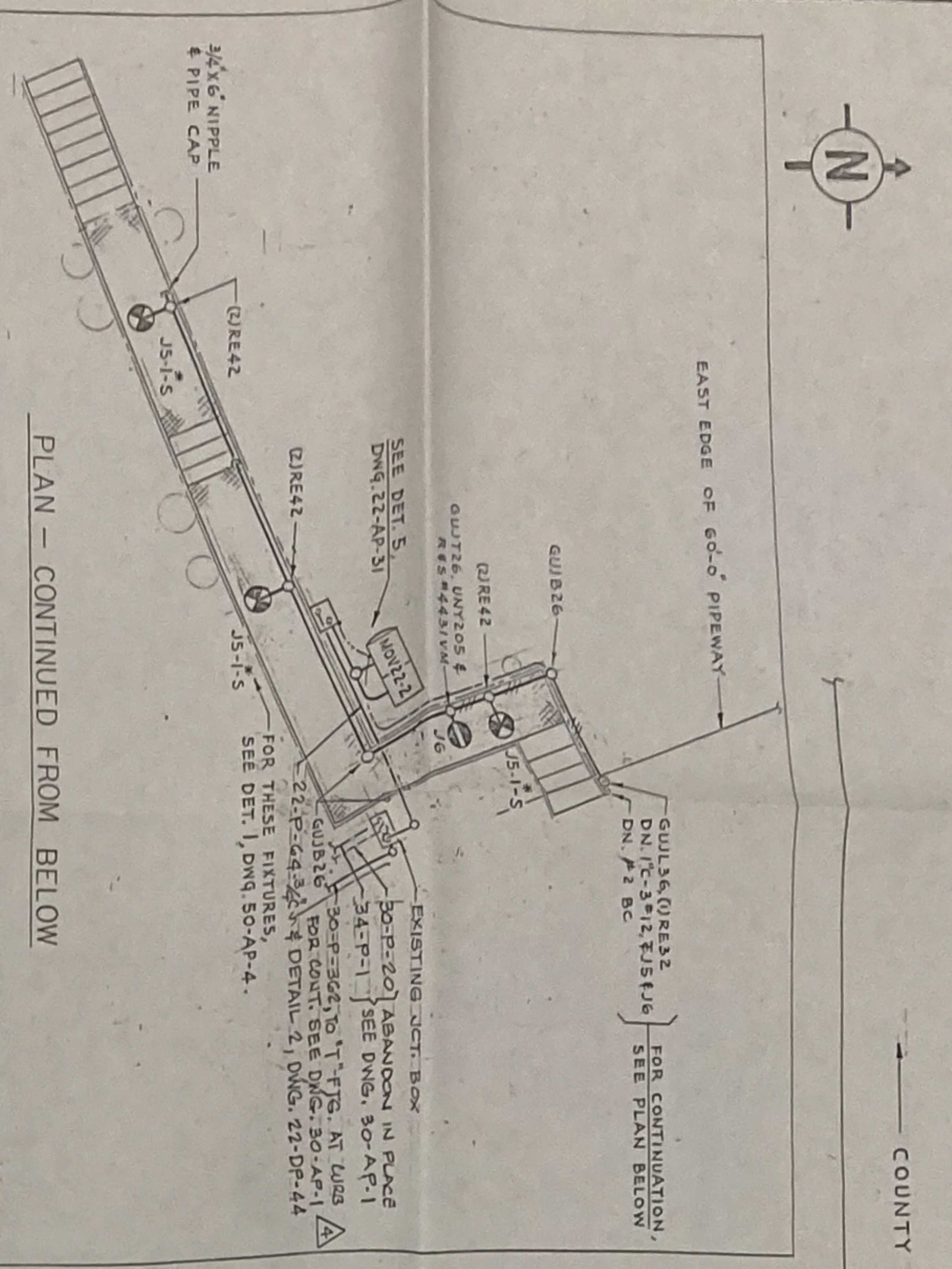
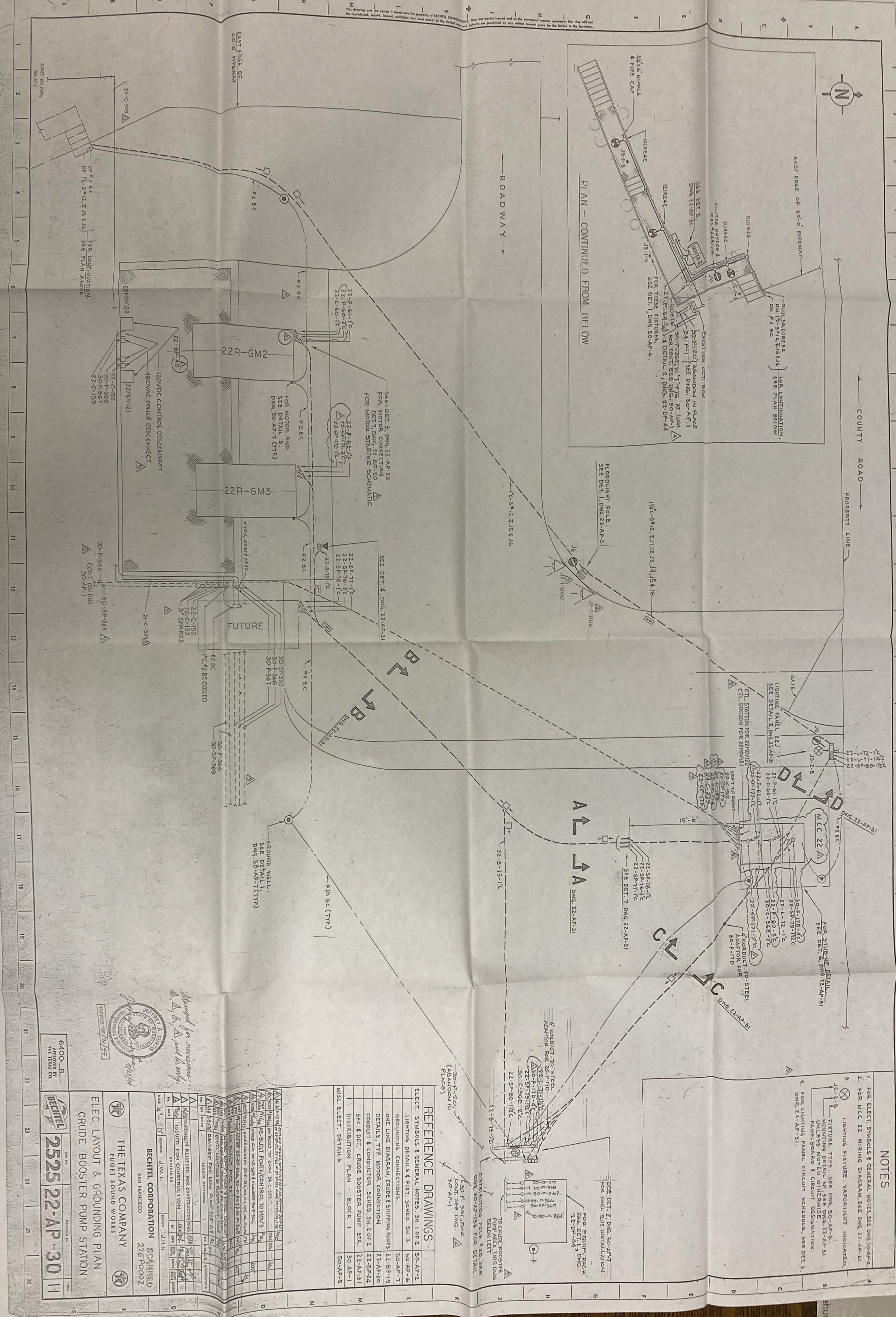
SHIPPING PUMPS

FOR CONTINUATION
SEE DWG. 30-AP-185

For Revision A and A only

JEFFREY A. CURTIS
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 10/31/95

10-29-57



- ### NOTES
- FOR ELECT. SYMBOLS & GENERAL NOTES, SEE DWG 50-A-2.
 - FOR MCC 22 WIRING DIAGRAM, SEE DWG 22-AP-21.
 - LIGHTING FIXTURE VAPORLIGHT INDICATED.
 - FOR LIGHTING PANEL CIRCUIT SCHEDULE, SEE DET. 3, DWG 22-AP-31.

REFERENCE DRAWINGS

ELECT. SYMBOLS & GENERAL NOTES, SH. 1 OF 2	50-A-2
LIGHTING DETAILS & FIXT. SCHED. SH. 3	50-AP-6
GROUNDING CONNECTIONS	50-AP-7
ONE LINE DIAGRAM, CRUDE & SHIPPING PUMPS	22-B-19
DETAILS, TYP. MOTOR CONNECTION	22-AP-20
CONDUIT & CONDUCTOR SCHED. SH. 2 OF 2	22-BP-24
SEC & DET. CRUDE BOOSTER PUMP STA.	22-AP-31
DISTRIBUTION PLAN - BLOCK 1	50-AP-9
MISC. ELECT. DETAILS	50-AP-9

Approved for construction:
[Signature]
 Electrical Engineer

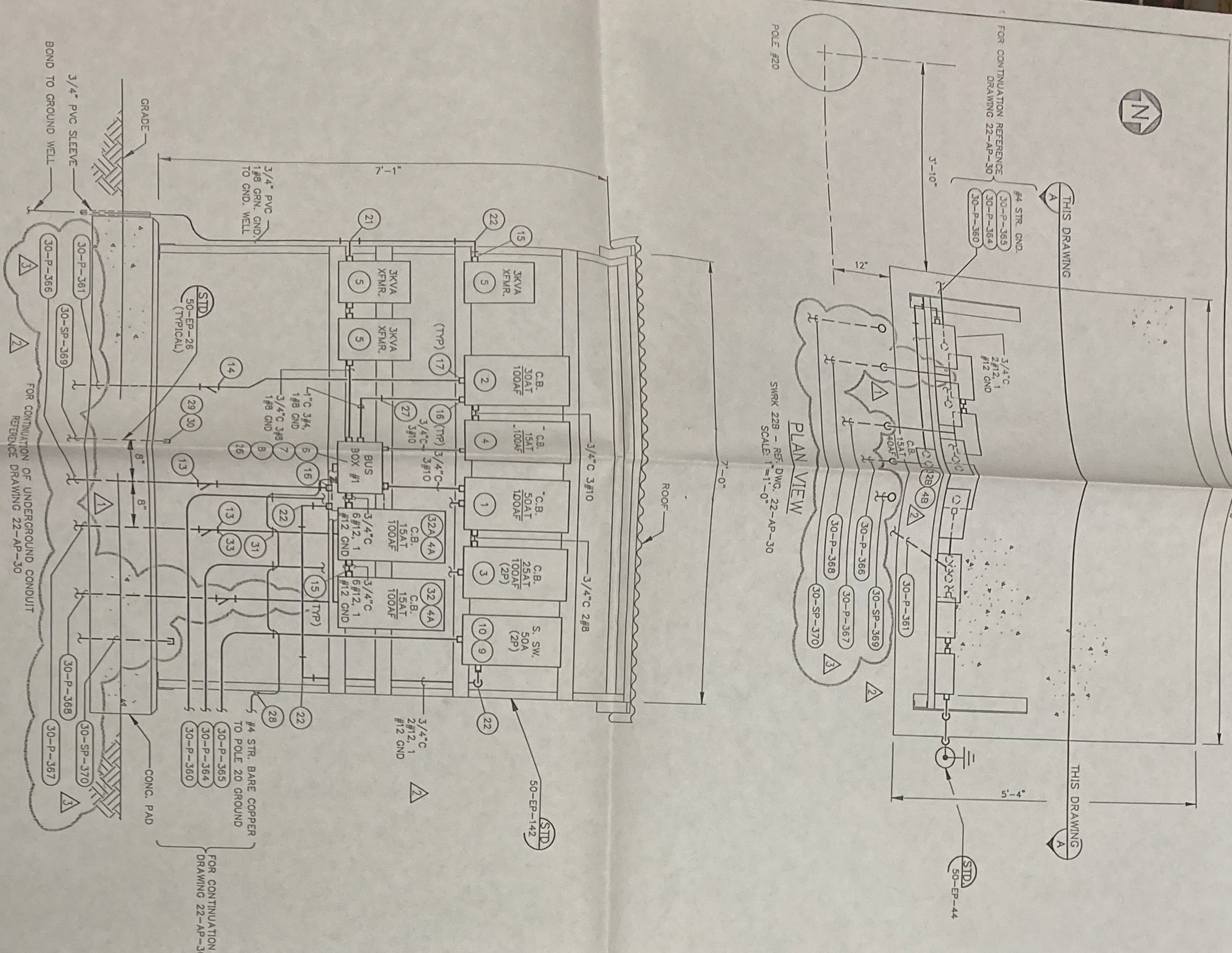
6400-B
 APPROVED BY THE TEXAS CO.

BECHTEL CORPORATION
 SAN FRANCISCO

THE TEXAS COMPANY
 FUGET SOUND WORKS

ELEC. LAYOUT & GROUNDING PLAN
 CRUDE BOOSTER PUMP STATION

2525 22-AP-30

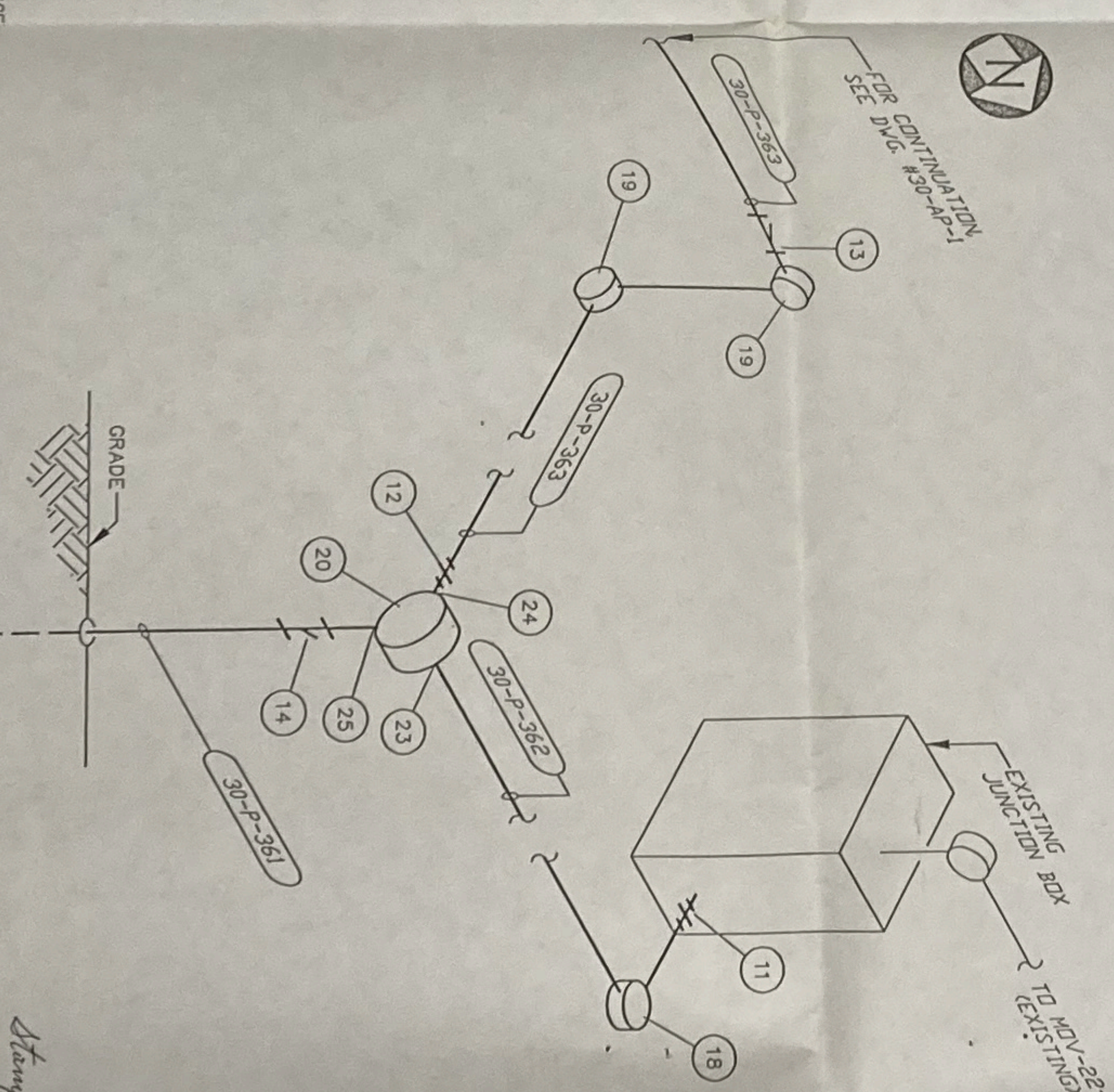


ELEVATION A
SWRK 22B - VIEW LOOKING SOUTH
SCALE: 1"=1'-0"

PLAN VIEW
SWRK 22B - REF. DWG. 22-AP-30
SCALE: 1"=1'-0"

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
11/9/93	WJT	ADD 1 BRKR, 30-SP-369	10/22/93	JMB	ADD 1 BRKR, 30-SP-369
8-17-92	GKA	ADD 2 BRKRS, 30-SP-366, 30-SP-367	8-10-93	MJC	ADD 2 BRKRS, 30-SP-366, 30-SP-367
4-17-92	GKA	ISSUED FOR CONSTRUCTION	3-16-92	RDM	ISSUED FOR CONSTRUCTION

DETAIL 2
(REF. DWG. #22-AP-30)
N.T.S.



LIST OF MATERIALS

ITEM NO.	DESCRIPTION
1	CIRCUIT BREAKER, 50AT/1000AF, 480V, 3-POLE, NEMA TYPE 4X ENCLOSURE, SQUARE D #FAL34050 AND #FA1000S
2	CIRCUIT BREAKER, 30AT/1000AF, 480VAC, 3-POLE, NEMA TYPE 3R ENCLOSURE, SQUARE D #FAL34030 & #FA1000S
3	CIRCUIT BREAKER, 25AT/1000AF, 480V, 2-POLE, NEMA TYPE 4X ENCLOSURE, SQUARE D #FAL24025 AND #FA1000S
4	CIRCUIT BREAKER, 15AT/1000AF, 480VAC, 3-POLE, NEMA TYPE 3R ENCLOSURE, SQUARE D #FAL34015 & #FA1000S
4A	CIRCUIT BREAKER, 15AT/1000AF, 480VAC, 3-POLE, NEMA TYPE 12.5R ENCLOSURE, SQUARE D #FAL34015 AND #FA1000S WITH EQUIPMENT GROUND BAR
4B	CIRCUIT BREAKER, 15AT/700AF, 120VAC, 1-POLE, NEMA TYPE 3R ENCLOSURE, SQUARE D #F02L408B AND #001S WITH EQUIPMENT GROUND BAR #PQ307A-1 TRANSFORMER, DRY TYPE, 3KVA, 1PH, 240 X 480V-120-240V, FOR OUTDOOR USE, SQUARE D #35351F & CLAMP COVER, 1/2 GAUGE, HOFFMAN #A-1008CHNF
7	BUS BOX MOUNTING PANEL, FOR ITEM #4, HOFFMAN #A-1008B
8	POWER DISTRIBUTION BLOCK, LINE LUG, #2/0-49 CU-AL, LMD LUG (4) #4-#14 CU-AL MANTL & AMPLACITY AL-175 BUSES #16025
9	FUSE, 50A, 250VAC ONE TIME GENERAL PURPOSE FUSES #NDN-50 (ONE BOX = 10 FUSES)
10	SAFETY SWITCH, 60A, 240VAC, 2-POLE, RUSSEL WITH ISOLATED NEUTRAL BUS AND GROUND BUS NEMA TYPE 3R SQUARE D #H2228B/MS05V/PK307A-1
11	UNION, 3/4", FORM 7, C-H #BNY205
12	UNION, 1", C-H #BNY205
13	SEAL FITTING, 1", C-H #E703
14	SEAL FITTING, 1 1/2", C-H #E703
15	HUB, 3/4", NERS #ST-2
16	HUB, 1", NERS #ST-3
17	HUB, 1 1/2", NERS #ST-5
18	CONDUIT FITTING, 3/4", OLA SERIES, C-H #EQUA26
19	CONDUIT FITTING, 1", OLA SERIES, C-H #EQUA26
20	CONDUIT FITTING, 1 1/2", OLA SERIES, C-H #EQUA26
21	CONDUIT FITTING, 3/4" L FORM 7, C-H #B27
22	CONDUIT FITTING, 3/4" L FORM 7, C-H #B27
23	REDUCER, 2" - 1", C-H #RE62
24	REDUCER, 2" - 1", C-H #RE63
25	REDUCER, 2" - 1 1/2", C-H #RE65
26	CORD AND CABLE FITTING, CGB SERIES, W/ GLAND NUT AND NEOPRENE BUSHING, C-H #CGB292
27	CONDUIT FITTING, 1", FORM 7, C-H #B37
28	GROUND CONNECTOR, BURNDY #KC25
29	CONDUIT COUPLING, 1", RGS
30	CONDUIT PLUG, 1", C-H #PKG35
31	GROUND CONNECTOR, 3/4", BURNDY #GAR44C
32	NAMEPLATE, 22X10X1/16
32A	NAMEPLATE, 22X10X1/16
32B	NAMEPLATE, VIDEO CAMERA TOWER
33	REDUCER, 1" - 3/4", C-H #RE32

REFERENCE DRAWINGS

- 22-BP-19 ONE-LINE DIAGRAM, CRUDE AND SHIPPING PUMPS
- 22-AP-30 ELEC. LAYOUT & GROUNDING PLAN, CRUDE BOOSTER
- 30-AP-1 ELECTRICAL DISTRIBUTION PLAN BLOCK 1
- 22-BP-46 ELECTRICAL NAMEPLATE SCHEDULE, RACK AT POLE 20 PLANT 30
- CONDUIT AND CONDUCTOR SCHEDULE

NOTES:

- FIELD TO SUPPORT EQUIPMENT AS REQUIRED.
- REFERENCE NAMEPLATE SCHEDULE 22-BP-46.

TEXACO REFINING & MARKETING INC.
PURGET SOUND PLANT
 ANACORTES, WASHINGTON

PLT 22-CRUDE BOOSTER PUMP AREA
SWRK 22B
ELECTRICAL SECTION & DETAILS

INITIALS	DATE	SCALE	AS NOTED (1=12)
WJT	11/9/93	3-16-92	22DP0001
GKA	4-17-92	3-30-92	22-DP-44

CH: ENGR.

PANEL No. 41PP-CJ

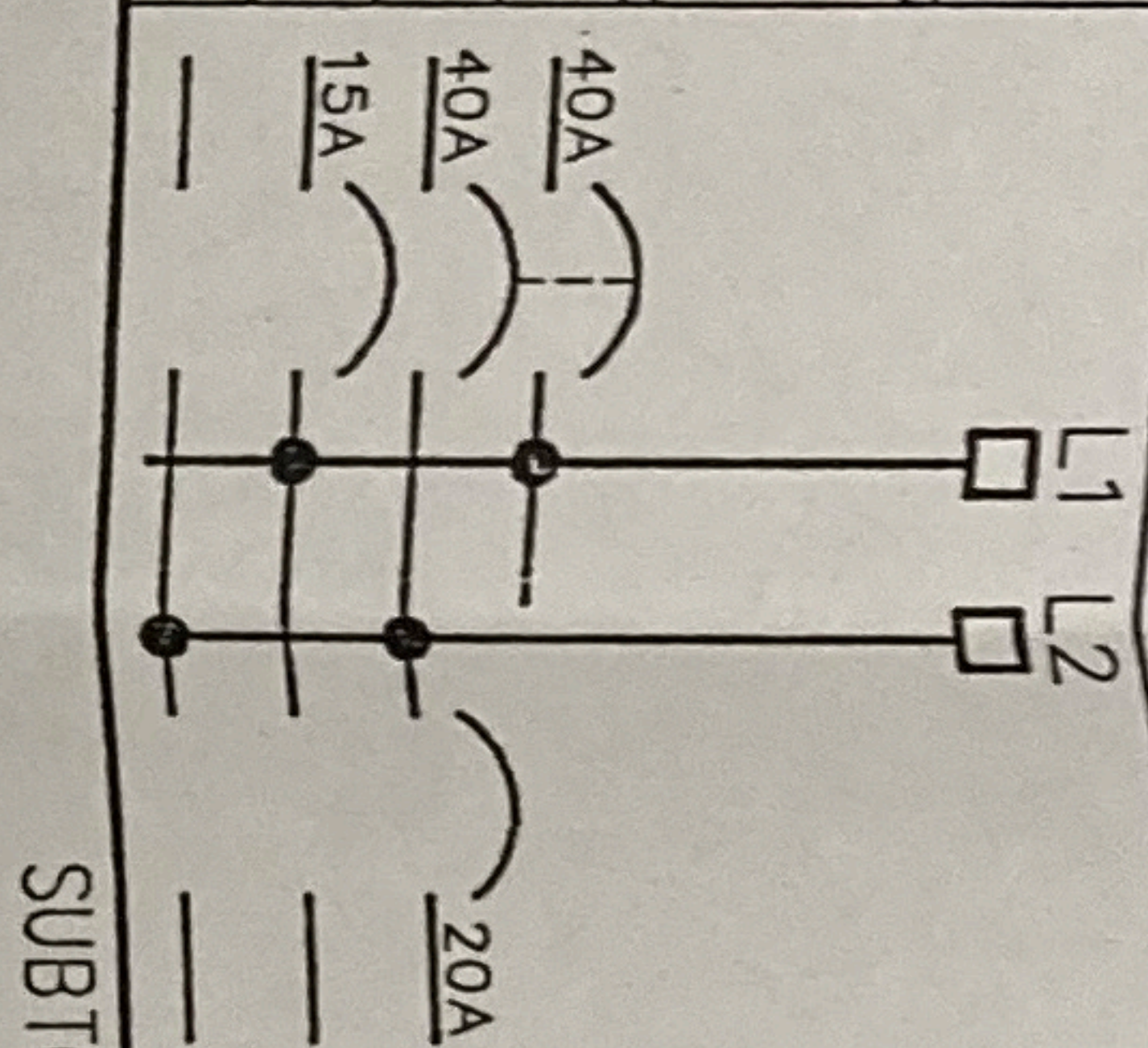
SERVICE: 120/240V, 3W, 1Ø

LOCATION: NORTH END OF CAMPSITE

FED FROM: CAMPSITE SERVICE PNL. #41PP-CH
SERVING: SEWAGE ALARM LIGHTS & VIDEO CAMERA

MAIN FDR SIZE: 3 #8
NEMA RATING: 3R BUS RATING: 100A AIC: 10K

CIRCUIT DESCRIPTION	VA		NO.
	L1	L2	
MAIN BREAKER			2
MAIN BREAKER			3
VIDEO CAMERA TOWER POWER	60		5
SPACE			7
SUBTOTAL	60		
TOTAL	60	60	



CIRCUIT DESCRIPTION	VA		NO.
	L1	L2	
SEWAGE ALARM LIGHTS		60	4
SPACE			6
SPACE			8
SUBTOTAL		60	

SEE DRAWING 41-AA-3 FOR
PLAN OF THIS PANEL
SEE DRAWING - - FOR
ONE LINE OF THIS PANEL

BY	DATE	ESTIMATE	B OF M	JOB
JST	11-9-93	PSP-305	5129A	

BY	DATE	ISSUED FOR CONSTRUCTION
JMB	10/21/93	

DESCRIPTION	REVISIONS

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TEXACO REFINING & MARKETING INC.
 PUGET SOUND PLANT
 ANACORTES, WASHINGTON

OFFPLOT - CAMPSITE TERA
 ELECTRICAL PANEL #41PP-CJ
 PANEL SCHEDULE

INITIALS-	DATE	SCALE: NONE
JMB	10/21/93	
OWN BY	CAD FILE NO. 41BP0082	
CHKD BY	DRAWING NO.	REV NO
APP'D BY	41-BP-109	0
CHG. ENGR.		

JEFFREY A. CURTIS
 STATE OF WASHINGTON
 PROFESSIONAL ENGINEER
 LICENSE NO. 15443
 10/31/95
 7/27/94