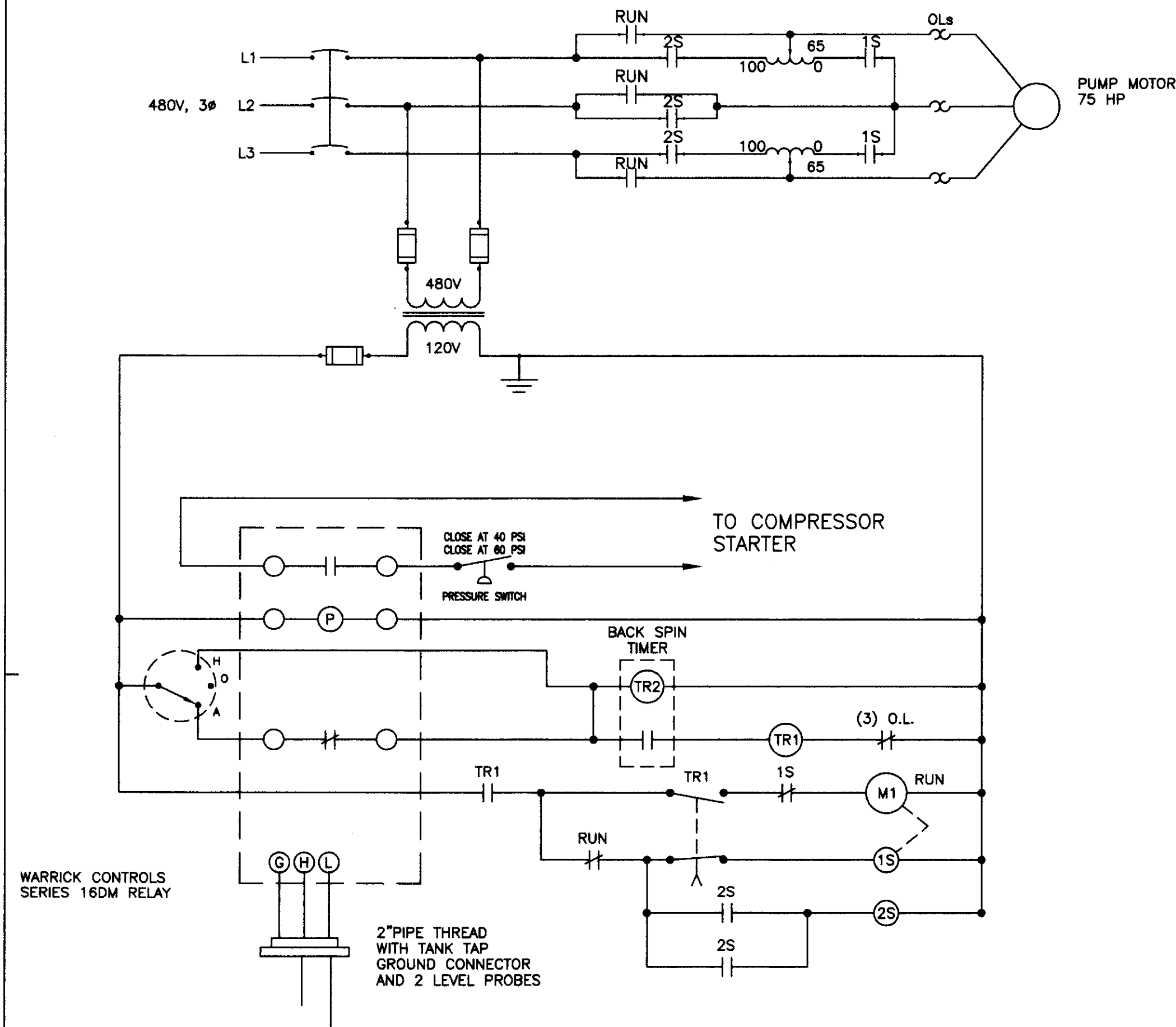
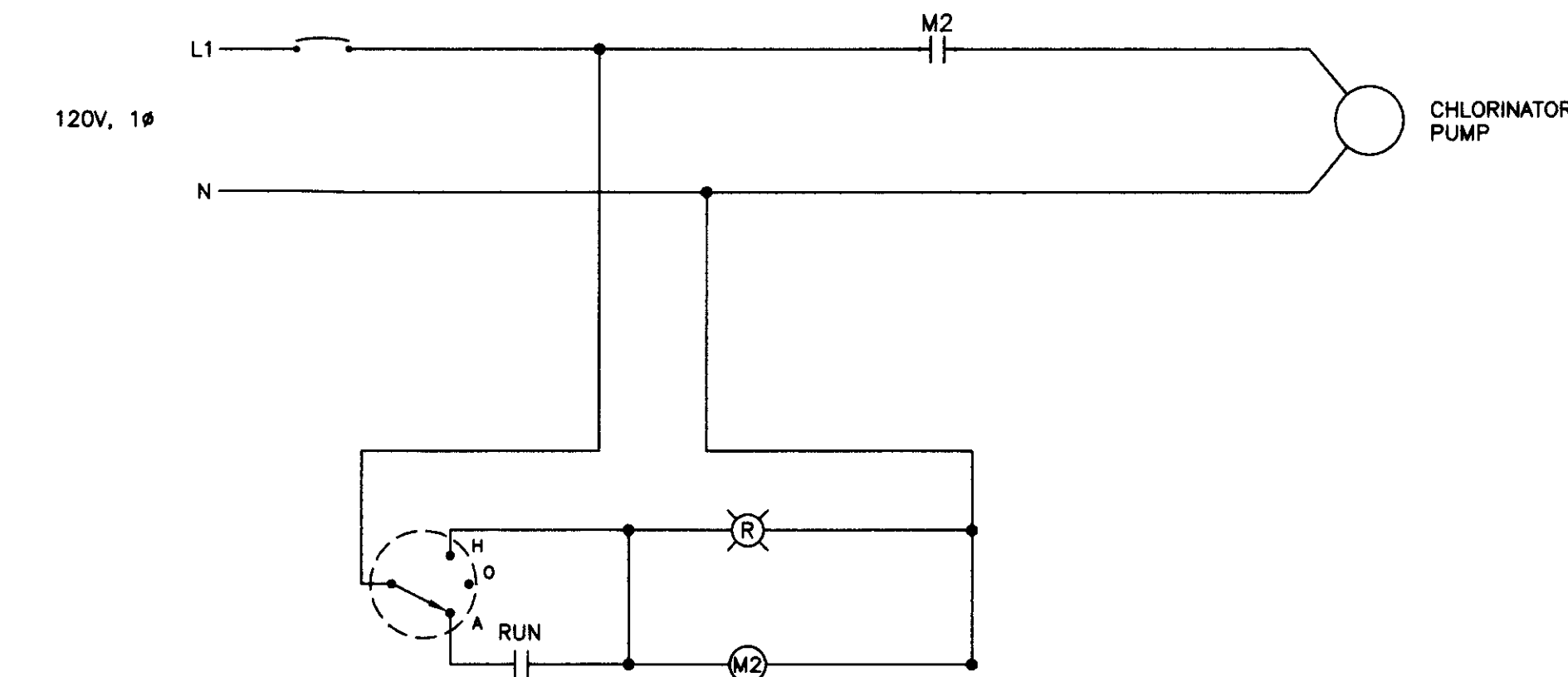


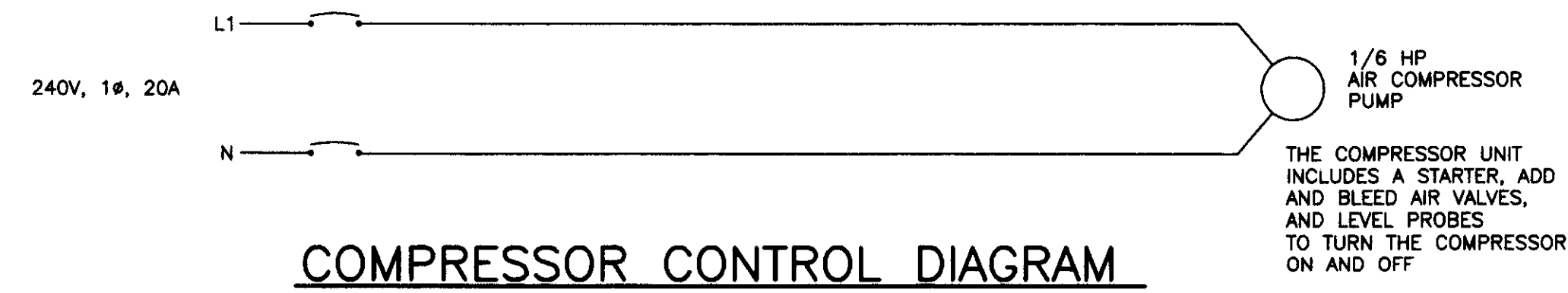
SU 34603



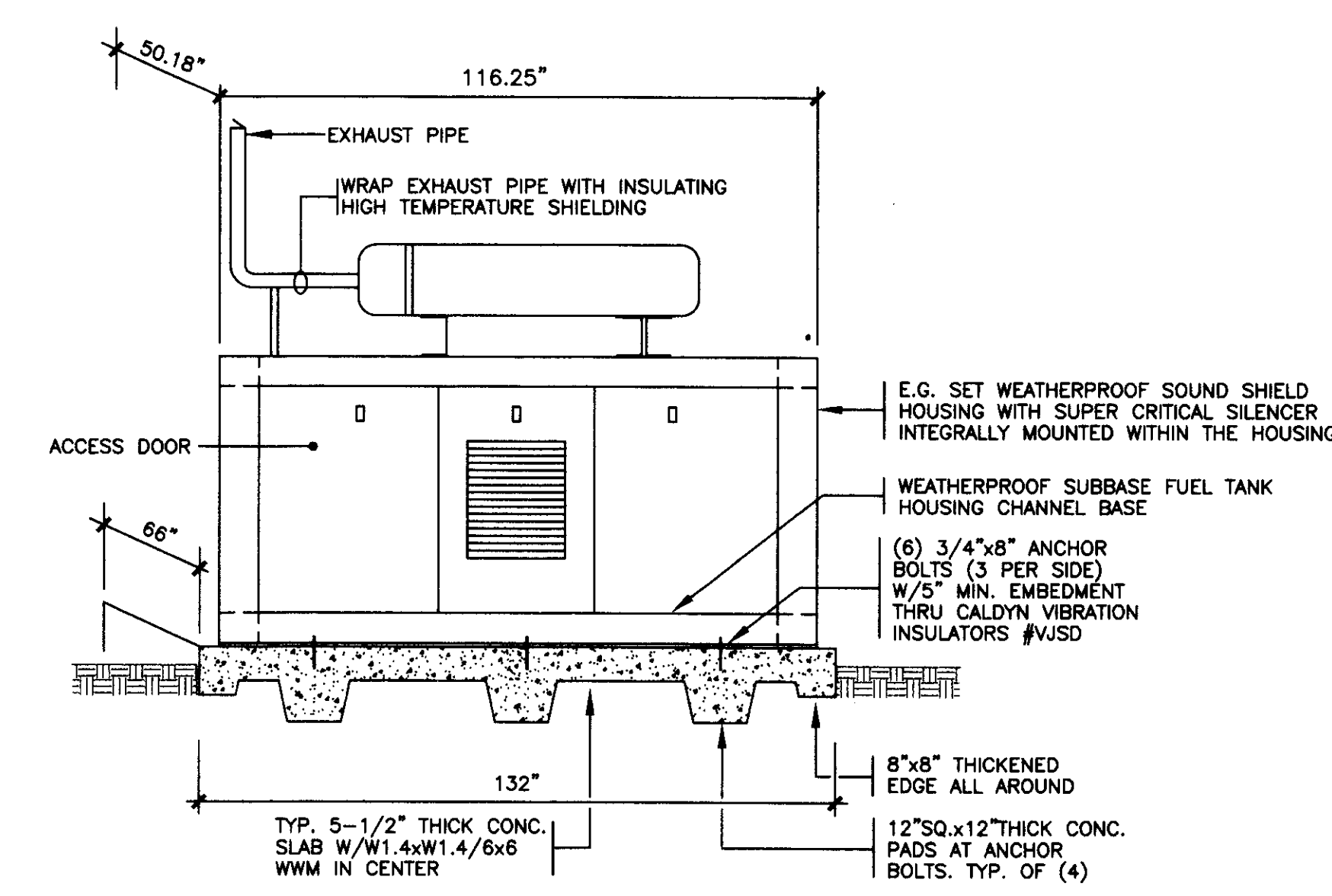
WATER PUMP CONTROL DIAGRAM



CHLORINATOR CONTROL DIAGRAM



COMPRESSOR CONTROL DIAGRAM



MOUNTING DETAIL: ENGINE GENERATOR

NOMINAL DIMENSIONS/WEIGHT: DIMENSIONS ABOVE TOTAL WEIGHT = 5400 LBS.

- NOTES:
1. PROVIDE COMPLETE INSTALLATION DRAWING, UNIT WEIGHT, DIMENSIONS, ANCHORAGE POINTS, CENTER OF GRAVITY, ETC. TO ENGINEER FOR REVIEW AND APPROVAL.
 2. ALL FUEL PIPING TO BE SELF CONTAINED AND INTEGRAL WITH THE GENERATOR SET. ALL FUEL PIPING SHALL BE IN ACCORDANCE WITH CFC SEC. 7901 AND NFPA 37 SEC. 5-7.2.
 3. ALL EXHAUST SYSTEM SHALL BE INTEGRAL WITH THE GENERATOR SET AND IN COMPLIANCE WITH NFPA 37 SEC. 6-3, NFPA 110 SEC. 5-10.5 AND CMC SEC. 609.10.

EMERGENCY GENERATOR:

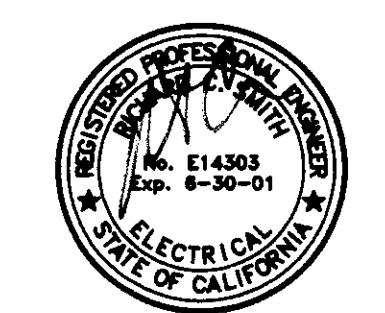
1. ALL CONDUIT CONNECTIONS TO THE EMERGENCY GENERATOR SHALL BE THROUGH FLEXIBLE, LIQUID TIGHT, STEEL CONDUITS.

EMERGENCY GENERATOR TESTING:

1. IT IS FURTHER CLARIFIED, IN ADDITION TO ELECTRICAL SPECIFICATIONS PARAGRAPHS 2.25 "ONSITE TESTING", THE FOLLOWING ADDITIONAL TESTS SHALL BE CARRIED OUT:
 - a. COLD START PER NFPA 110 SECTION 5-13.2.3.
 - b. CYCLE CRANK PER NFPA 110 SECTION 5-13.2.8.
 - c. FULL LOAD TEST PER NFPA 110 SECTION 5-13.2.5.
 - d. ALL SAFETY DEVICES PER NFPA 110 SECTION 5-13.2.9.

- LEGEND
- LIGHT SWITCH — SPST
 - 120 VOLT DUPLEX WALL OUTLET
 - JUNCTION BOX
 - FUSED DISCONNECT SWITCH
 - MANUAL MOTOR STARTER/DISCONNECT
 - MOTOR OUTLET
 - CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
 - SEALTITE FLEX CONNECTION
 - DISTRIBUTION PANEL
 - LIGHTING PANEL
 - U.O.N. UNLESS OTHERWISE NOTED
 - CO CONDUIT ONLY
 - WP WEATHERPROOF
 - GROUND ROD 3/4" x 8'-0" LONG WITH CHRISTY GROUNDWELL CONCRETE BOX
 - ETM ELAPSED TIME METER, NON-RESET 0-9999 HOURS

LEGEND



HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207 (209) 478-8270
PROJ. 2002.02 DES. RGS ENG. RGS

Seal of the State of California, Professional Engineer, No. C14503, Exp. 6-30-01

PROJECT TITLE: Flying J Travel Plaza, Lodi, CA

DATE: 4/20/02

DESIGNED BY: RGS

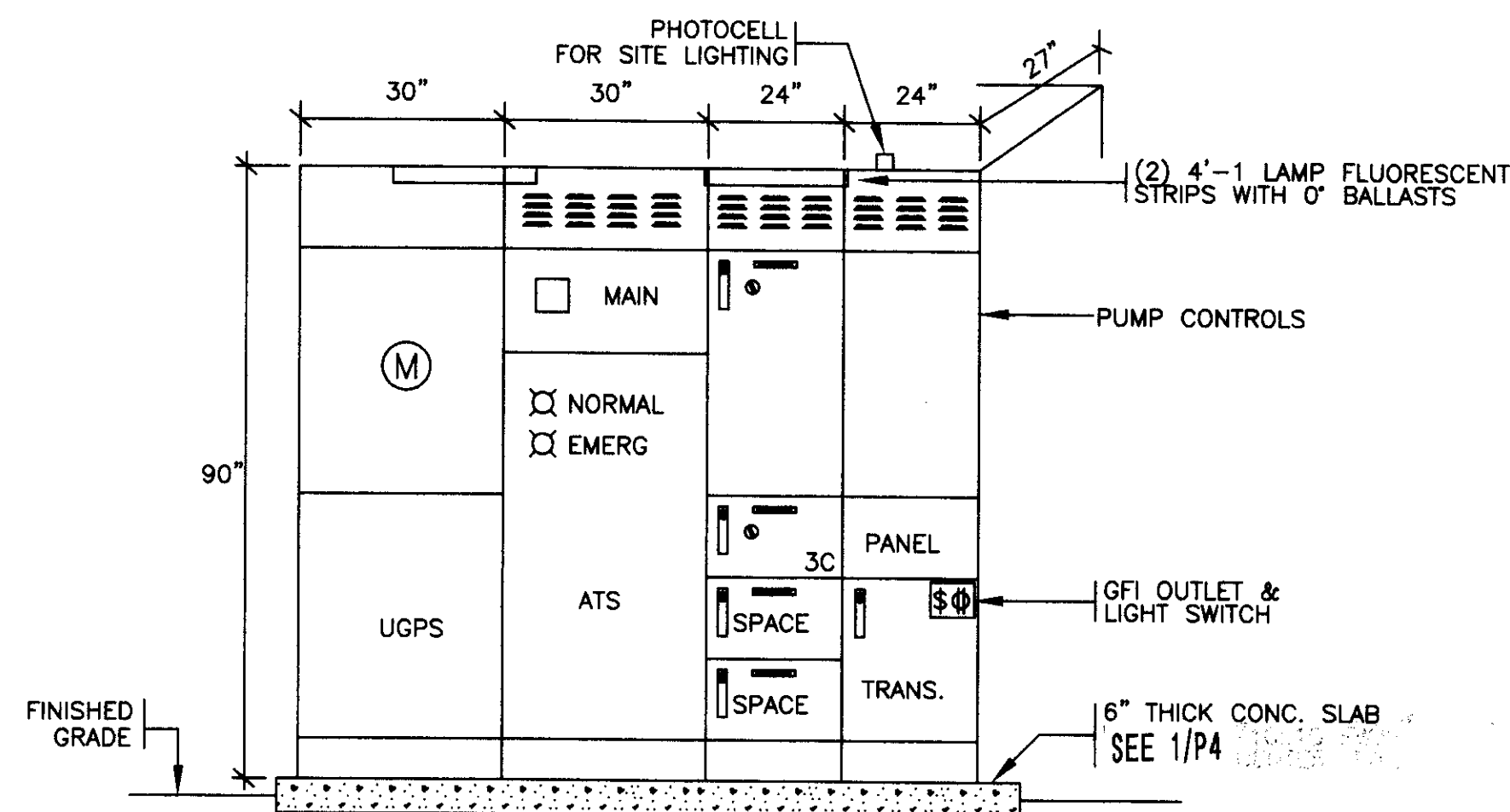
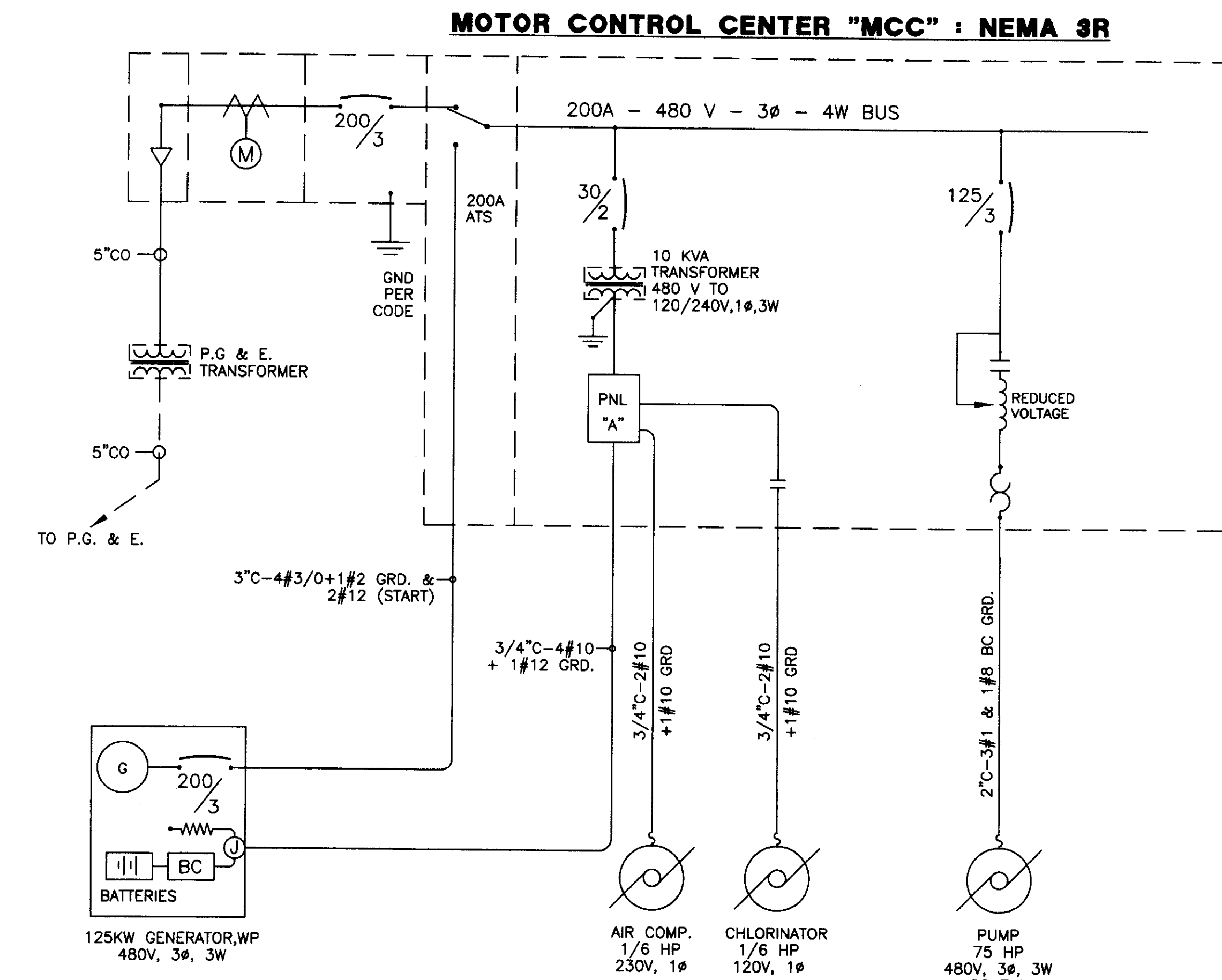
CHECKED BY: RGS

PROJECT NO.: 2002.02

DRAWING NO.: 113

ELECTRICAL DETAILS

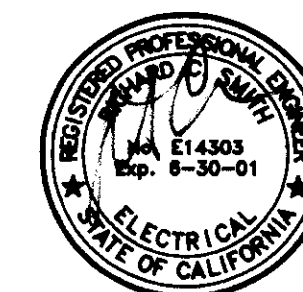
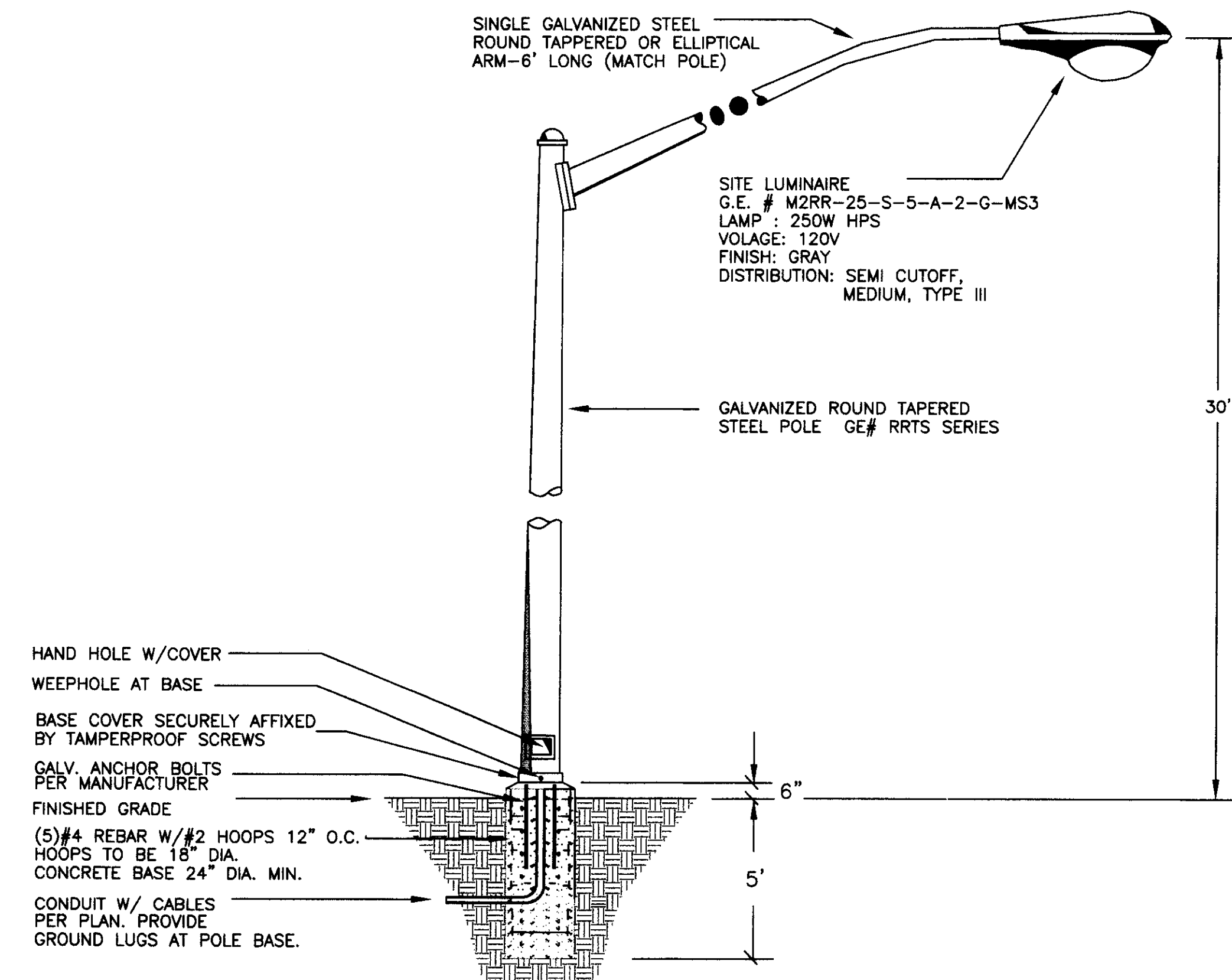
SU-3464



NOTES: MOTOR CONTROL CENTER "MCC": NEMA 3R

1. ALL DIMENSIONS ARE NOMINAL.
2. THE COMPLETE SWITCHBOARD SHALL HAVE A SYMMETRICAL SHORT CIRCUIT RATING EQUAL TO OR GREATER THAN THAT AVAILABLE FROM THE UTILITY COMPANY.
3. MINIMUM INTEGRAL A.I.C. RATING OF SWITCHBOARD AND FEEDER CIRCUIT BREAKERS TO BE 42,000 AMPS.
4. BOLT SECTIONS OF THE SWITCHBOARD TOGETHER WITH 1/2" BOLT AND NUTS AT 4 PLACES PER SECTION.
5. BOLT EACH SECTION OF SWITCHBOARD TO PAD WITH (4) 1/2"x3" HILTI KWIK BOLT II WEDGE ANCHORS FAB. & INSTALLED PER ICBO REPORT NO. 4627

PANEL "A"											
TOTAL KVA : 2.9						FEEDER AMPS: 12 AMPS (CONNECTED)					
MOUNTING : IN "MCC"						VOLTAGE : 120/240V, 1 ϕ , 3W					
BUSSING : COPPER 60A 2P MAIN						FEEDER : 3#6 & 1#8 GRD.					
DESCRIPTION	LOAD	BRKR	1	2	BRKR	LOAD	DESCRIPTION	1	2	BRKR	LOAD
BATTERY CHARGER	200	20/1	1	2	20/1	800	LIGHTS & OUTLET	1	2	20/1	800
BLOCK HEATER	1500		3	4		200	CONTROLS	3	4		200
CHLORINE PUMP	240		5	6		280	POLE LIGHT	5	6		280
SPARE			7	8			SPARE	7	8		
			9	10	20	260	COMPRESSOR	9	10	20	260
			11	12	2			11	12	2	
	1.7				KVA	TOTAL	1.2				



HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207 (209)478-8270
PROJ. 2002-002 DES. RGS ENG. RGS

PROJECT TITLE: Flying J Travel Plaza Lodi, CA

DRAWING TITLE: ELECTRICAL DETAILS

DATE: 05-06-00

DRAWING No. E2

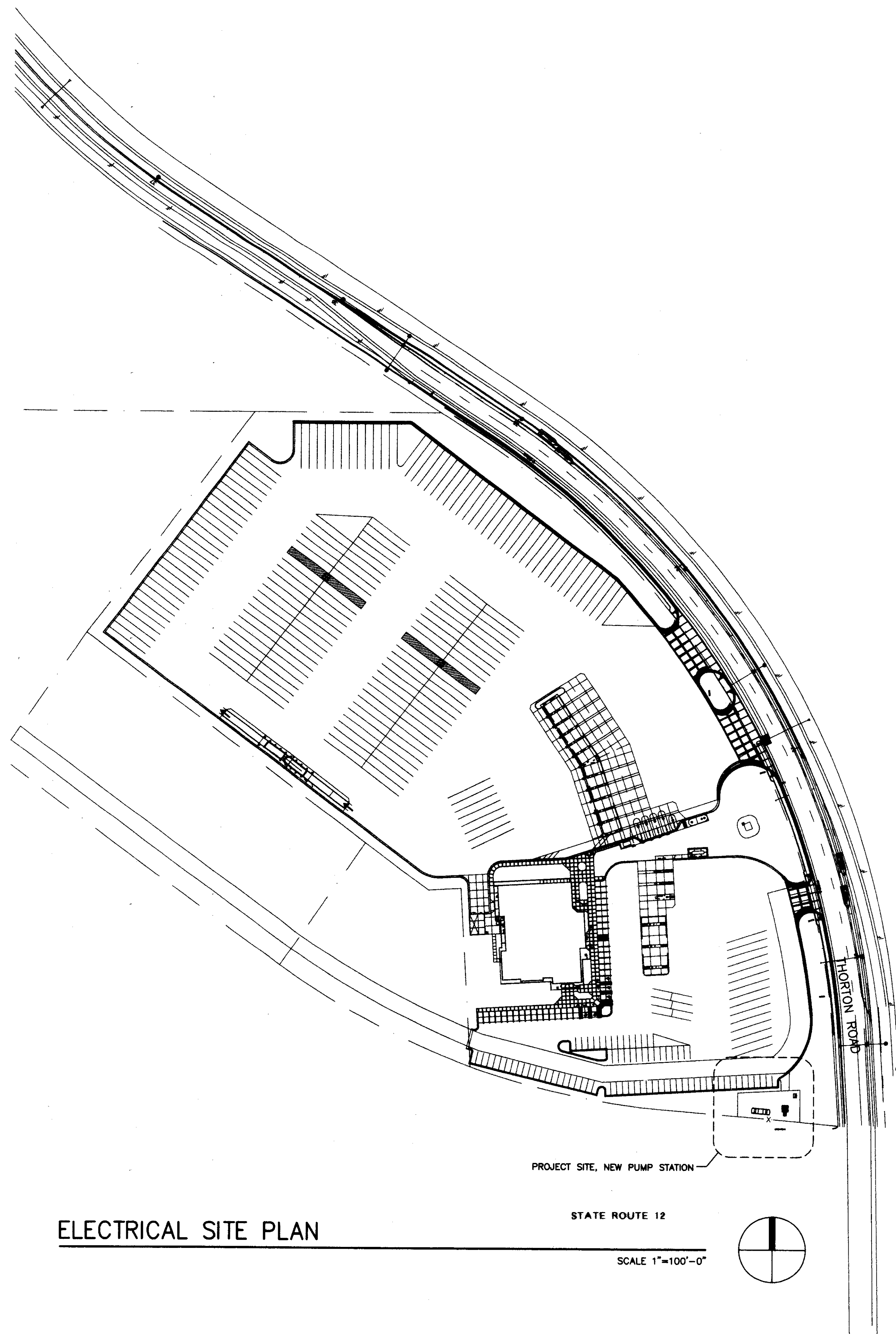
NO.	REVISIONS	DATE	BY
1	PLAN CHECK	05/06/00	RGS
	DESIGN		RGS
	PROJECT NO.		

EDG

a design build company

91 WEST FOREST STREET, BRIGHTON CITY, UTAH 84002 (435) 784-9400

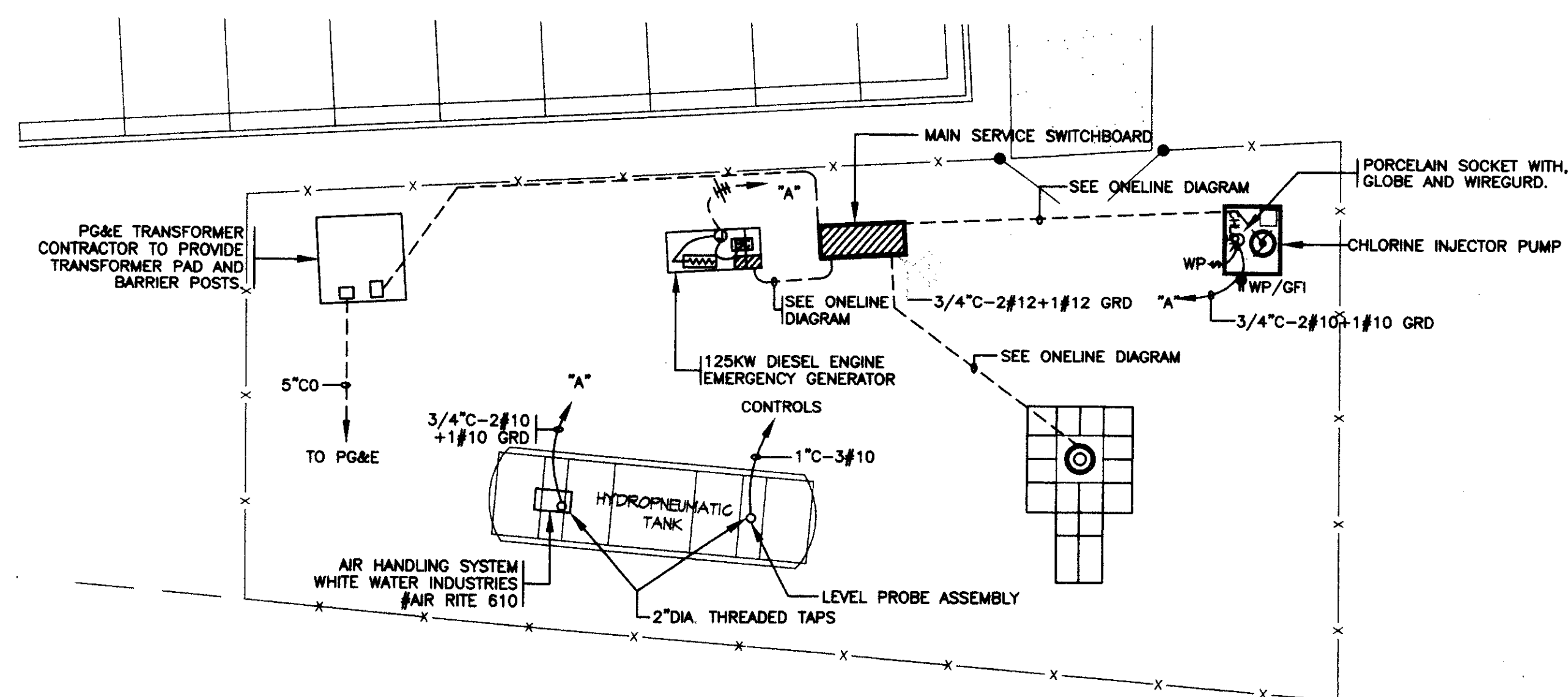
SU 3465



ELECTRICAL SITE PLAN

STATE ROUTE 12

SCALE 1"=100'-0"

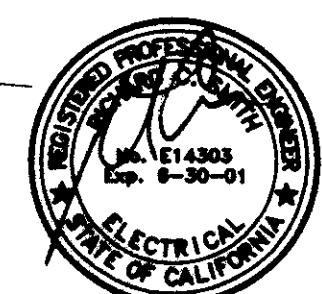


PUMP STATION ELECTRICAL PLAN

SCALE 1"=10'-0"

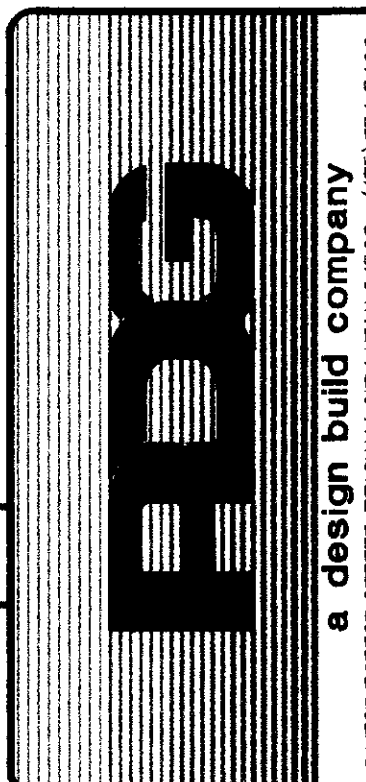
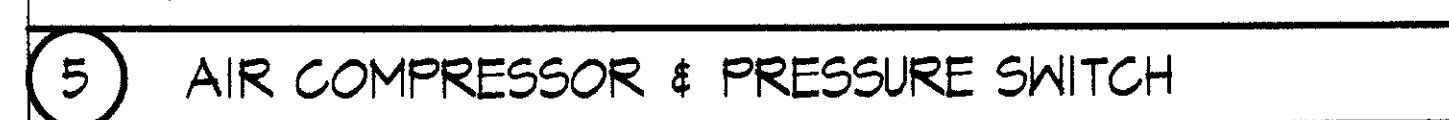
GENERAL NOTES:

1. ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
TITLE 24, CCR, PART 2, 1997 UBC
TITLE 24, CCR, PART 3, 1996 NEC
TITLE 24, CCR, PART 4, 1997 UMC
TITLE 24, CCR, PART 9, 1997 UFC
ALL APPLICABLE LOCAL CODES.
2. ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK.
3. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.
4. ALL ELECTRICAL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
5. ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
6. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
7. ALL LUMINAIRES AND BALLASTS SHALL BE CERTIFIED BY THE MANUFACTURER TO THE CALIFORNIA ENERGY COMMISSION. ALL FLUORESCENT FIXTURES TO BE LAMPED WITH T8, 3500K LAMPS OR APPROVED EQUAL, AND HAVE AN ENERGY SAVING "A" SOUND RATING ELECTRONIC BALLAST OR APPROVED EQUAL UNLESS OTHERWISE SHOWN. ALL H.I.D. LIGHT FIXTURES SHALL HAVE HIGH POWER FACTOR BALLASTS.
8. WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS, EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.
9. THE OWNER RESERVES THE RIGHT TO RELOCATE ALL LIGHTING, OUTLETS AND SWITCHES BEFORE THEY ARE ROUGHED IN AT NO EXTRA COST.
10. ELECTRICAL CONTRACTOR SHALL VERIFY POWER AND PHONE SERVICES AT THE SITE PRIOR TO BIDDING. SERVICE TO CONFORM TO UTILITY COMPANY REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES IN A TIMELY FASHION TO ARRANGE FOR SERVICE INSTALLATION PER UTILITY COMPANY REQUIREMENTS SO AS NOT TO DELAY THE INSTALLATION OF SERVICES AND PAY ALL CUSTOMER CHARGED SERVICE COSTS.



HCS ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
4651 QUAIL LAKES DRIVE
STOCKTON, CA 95207 (209) 478-8270
PROJ. 2000.202 DES. HCS ENG. HCS

DATE: 02/02/00	
DRAWN: HCS	
PROJECT NO.: 1548-0010	
PROJECT TITLE: Flying J Travel Plaza Lodi, CA	
DRAWING TITLE: ELECTRICAL PLAN	
DATE: 05-000	



**KJELDSSEN
SINNOCK
NEUDECK
INC.**
Post Office Box 844
7111 N. Pershing Avenue
Stockton, CA 95201-0844
(209) 946-0268
Consulting Engineers
and Land Surveyors

[illegible]

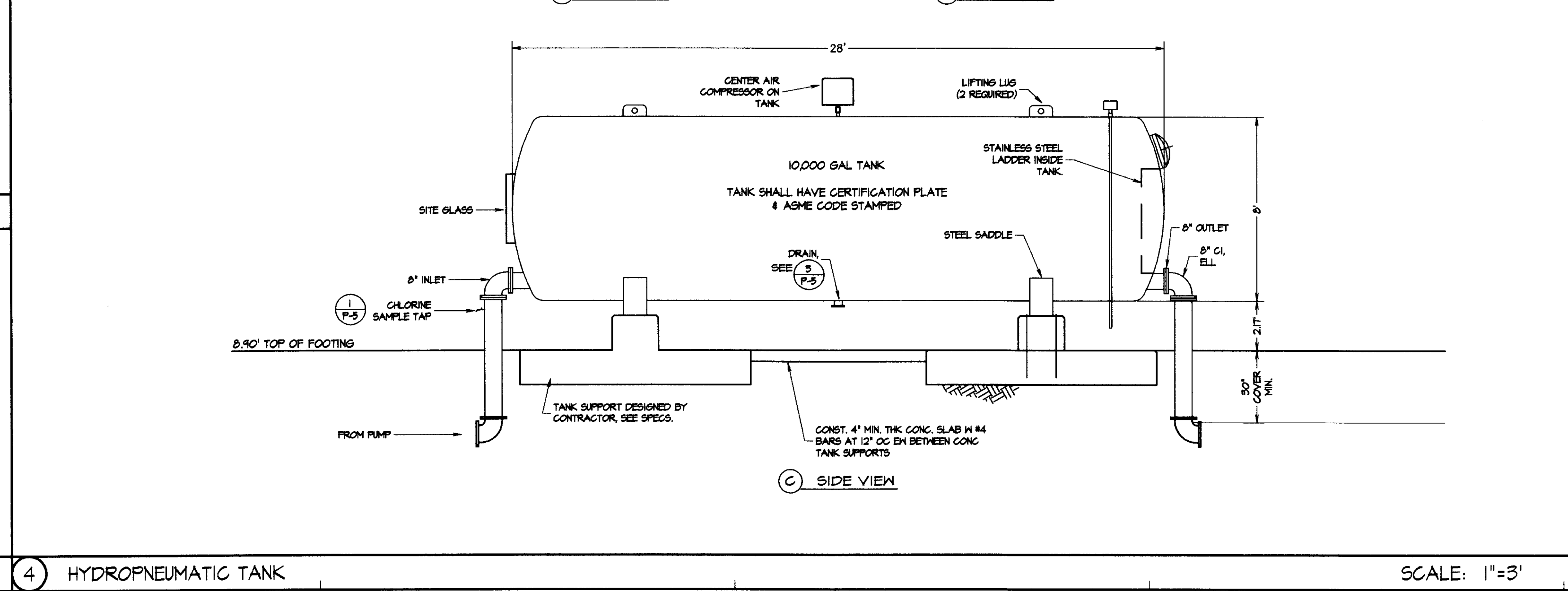
PROJECT TITLE: Flying J Travel Plaza, Lodi, CA

DRAWING TITLE: WATER WELL TANK & DETAILS

DATE : Jan. 2001

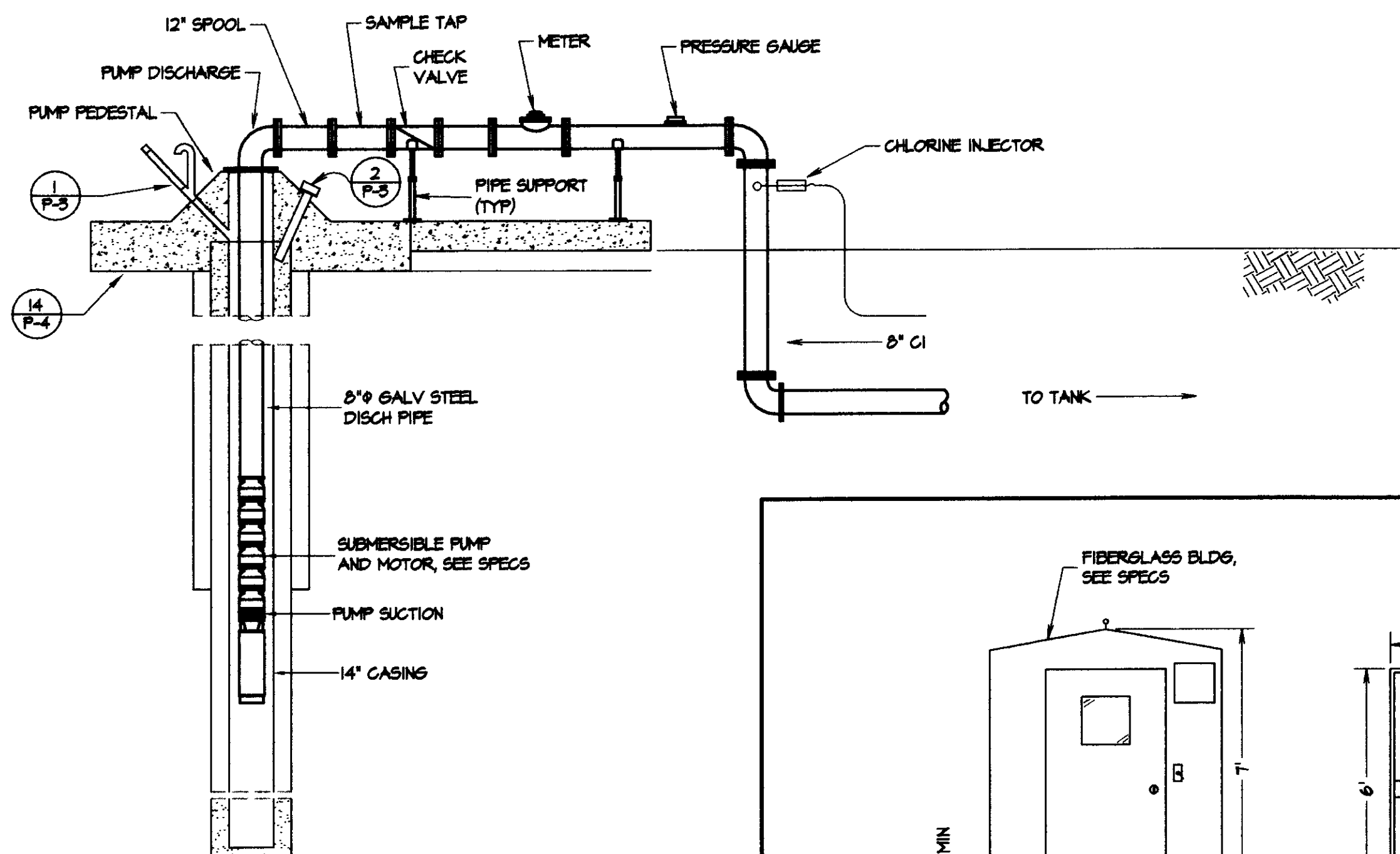
DRAWING No.

D-7

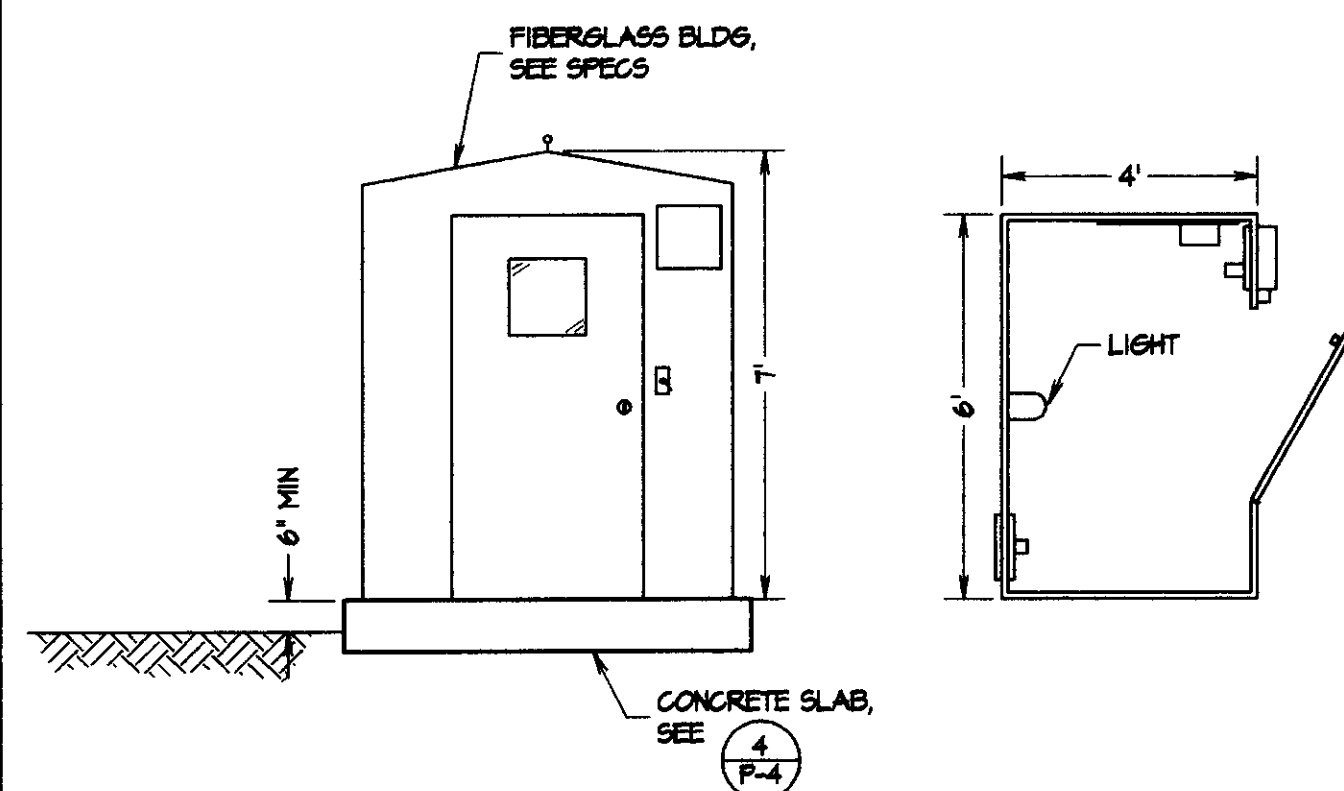


SCALE: 1"=3'

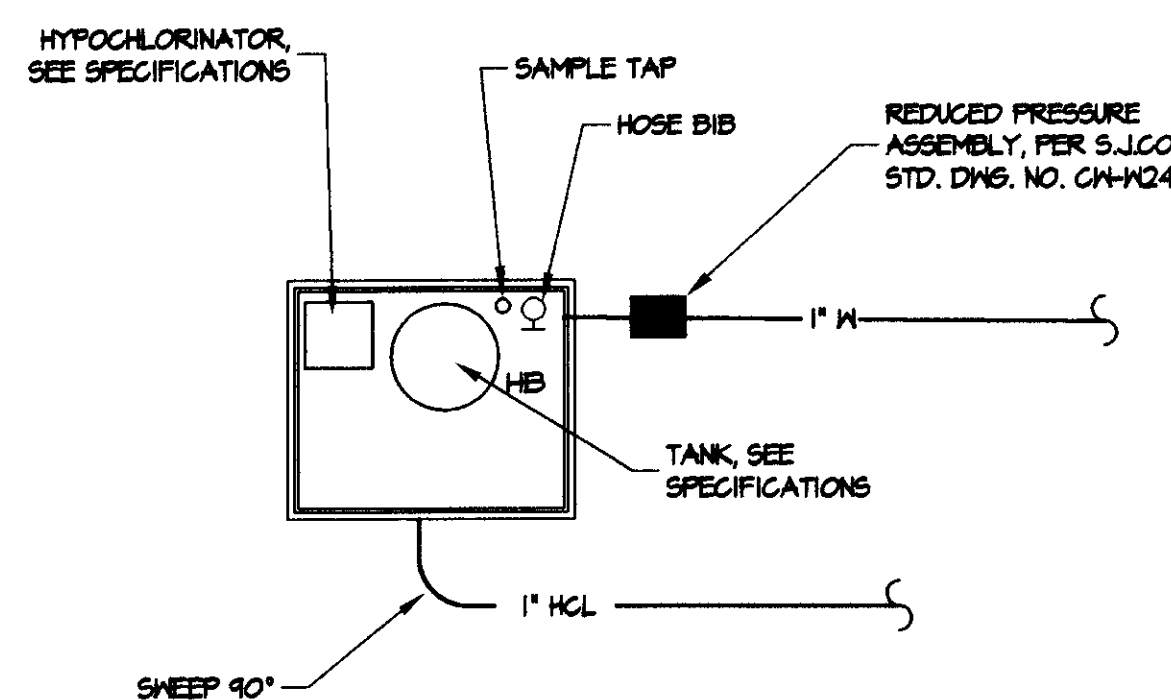
SU 3467



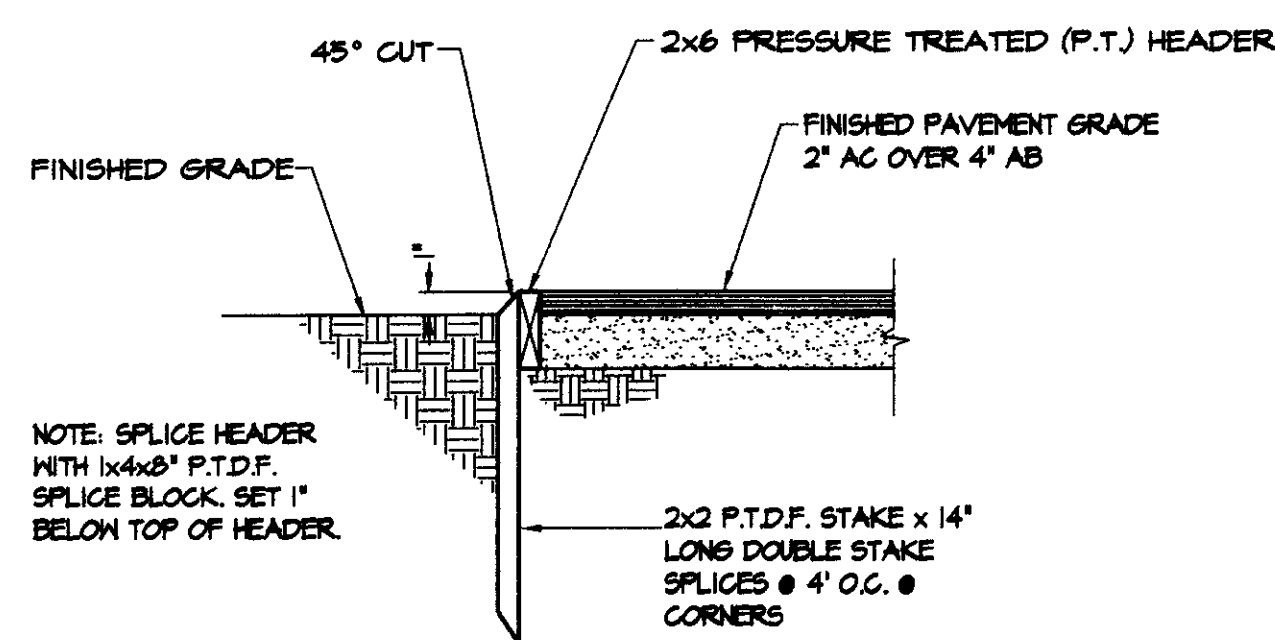
14 WELL, PUMP, AND PIPING SCALE: 1"=3'



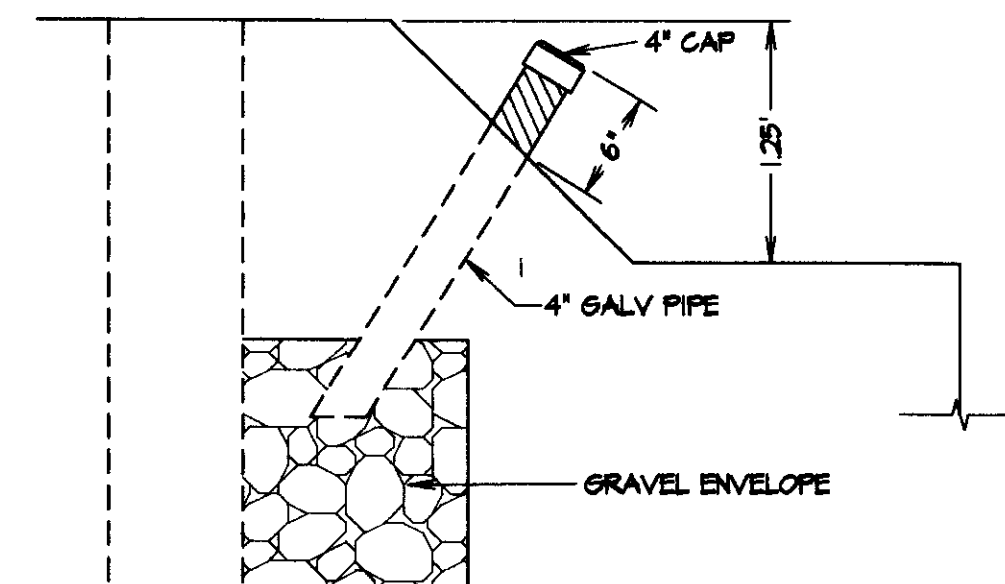
10 CHLORINE BUILDING SCALE: 1"=3'



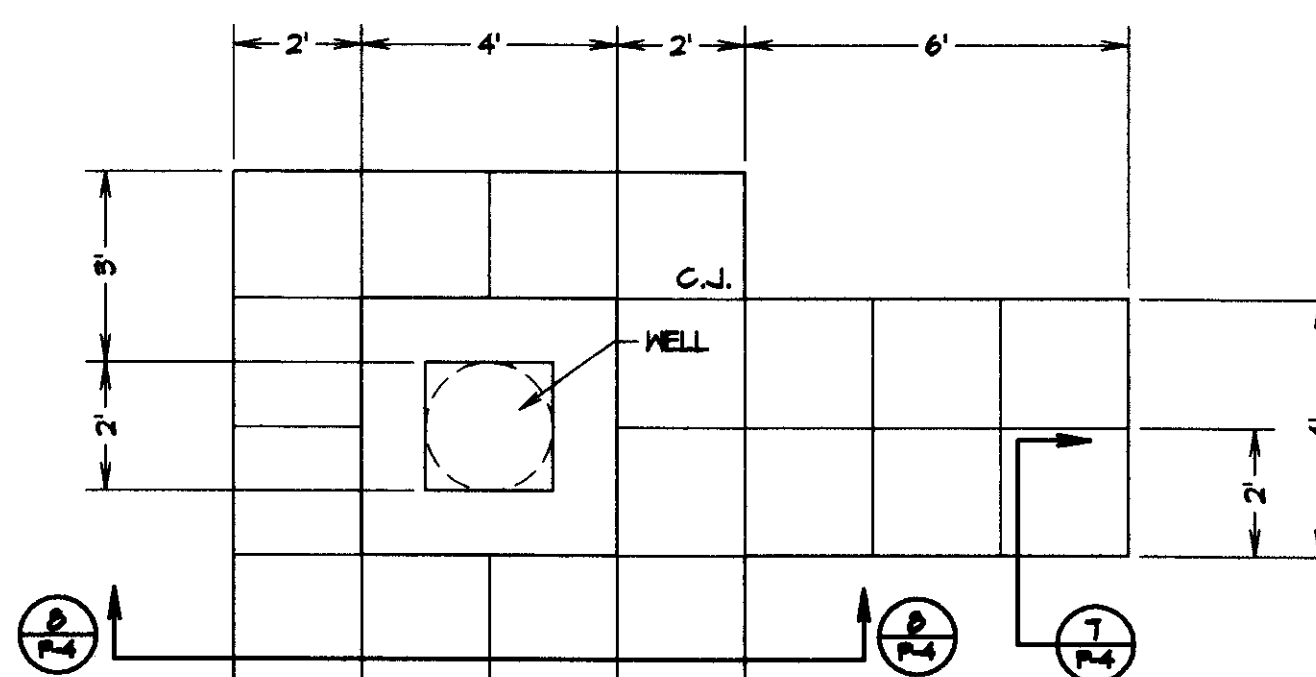
11 HYPOCHLORINATOR SCALE: 1"=4'



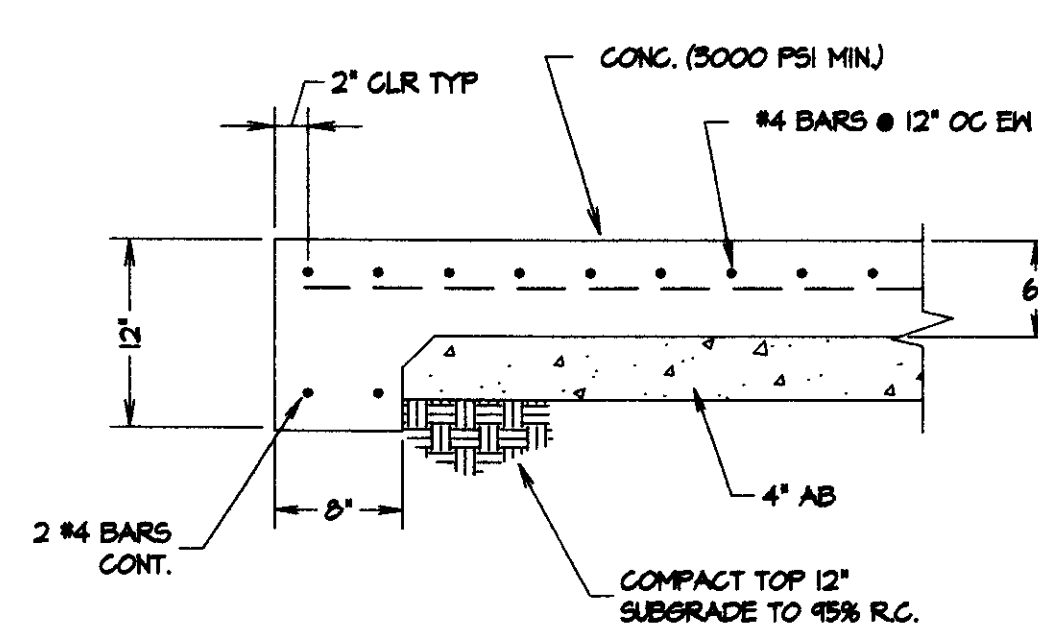
12 HEADER BOARD SCALE: 1"=3'



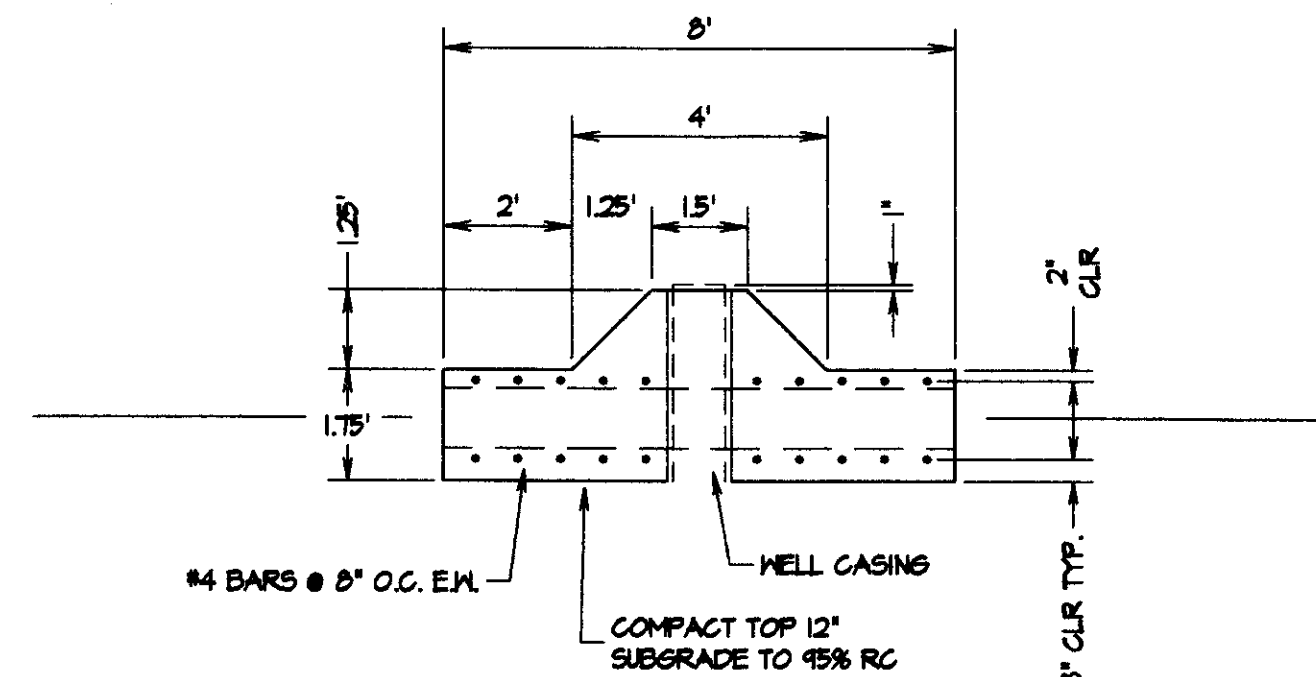
5 GRAVEL FILL TUBE SCALE: 1"=1'



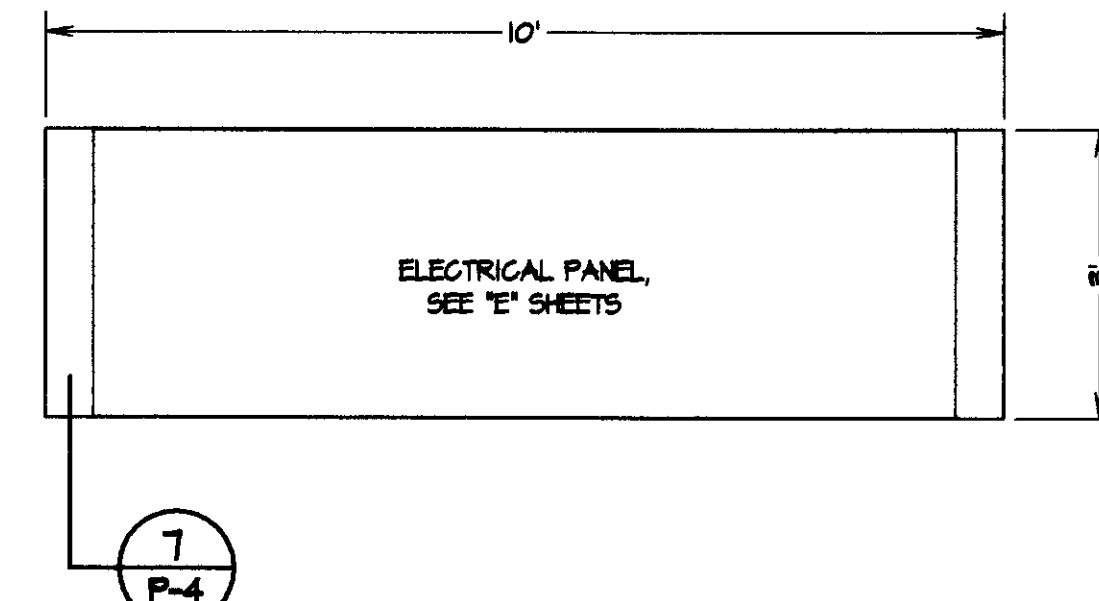
6 PUMP PEDESTAL PLAN SCALE: 1"=3'



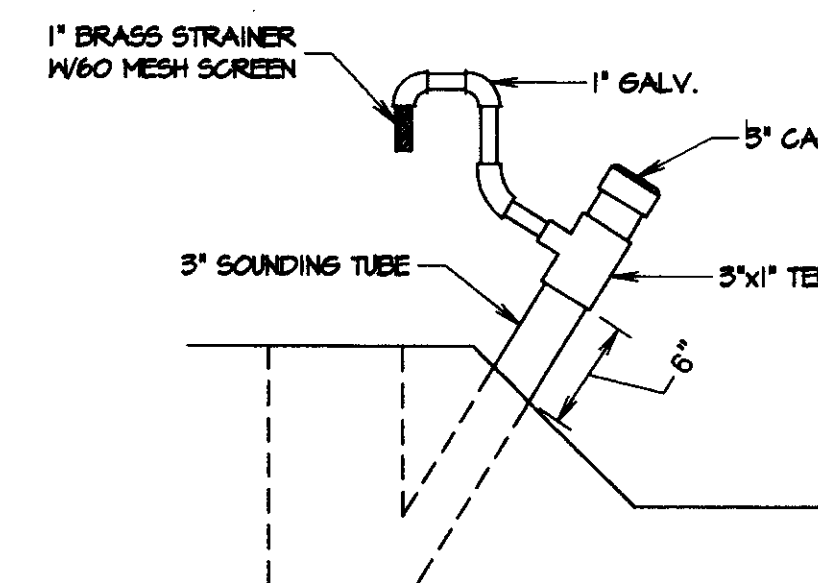
7 CONCRETE PAD SECTION SCALE: 1"=3'



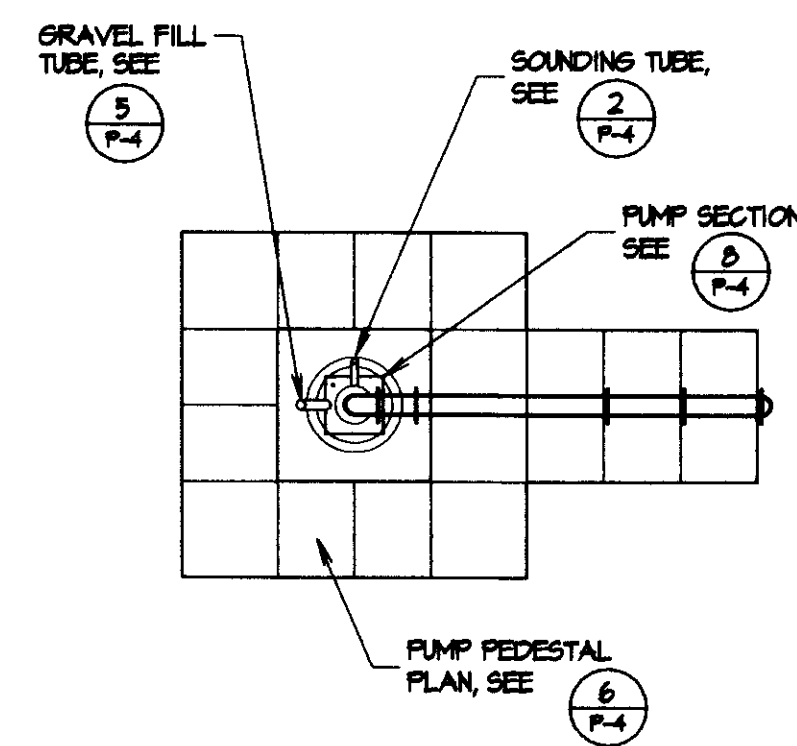
8 PUMP PEDESTAL SECTION SCALE: 1"=3'



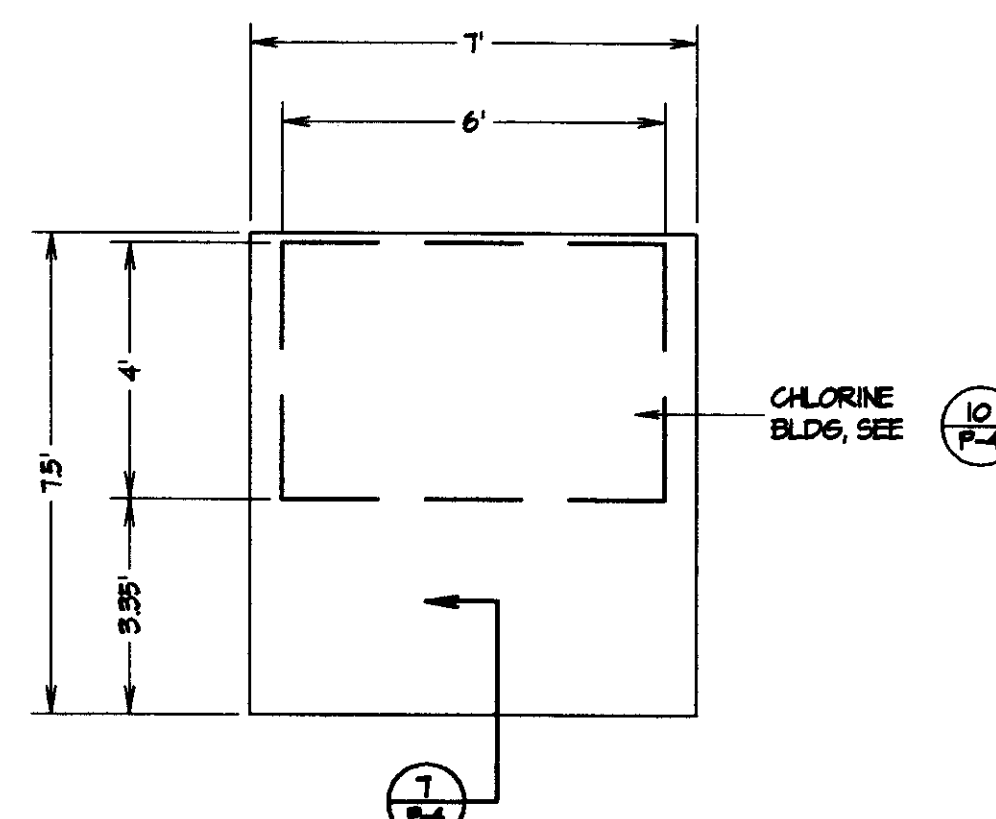
1 ELECTRICAL PANEL SCALE: 1"=2'



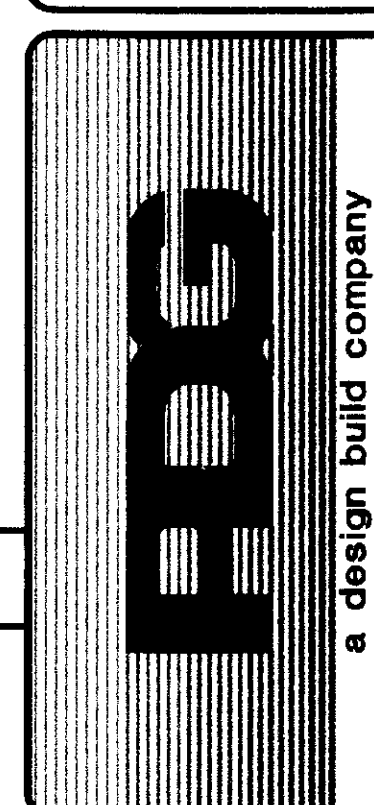
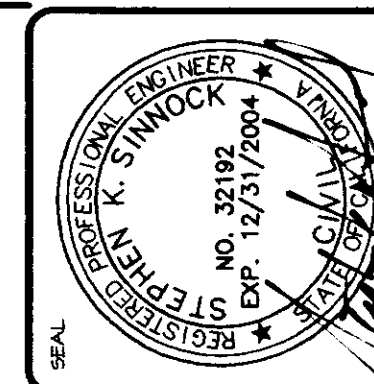
2 SOUNDING TUBE AND VENT SCALE: 1"=1'



3 PUMP PEDESTAL SCALE: 1"=5'



4 CHLORINE BUILDING SLAB SCALE: 1"=3'



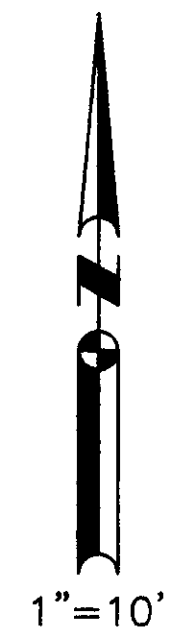
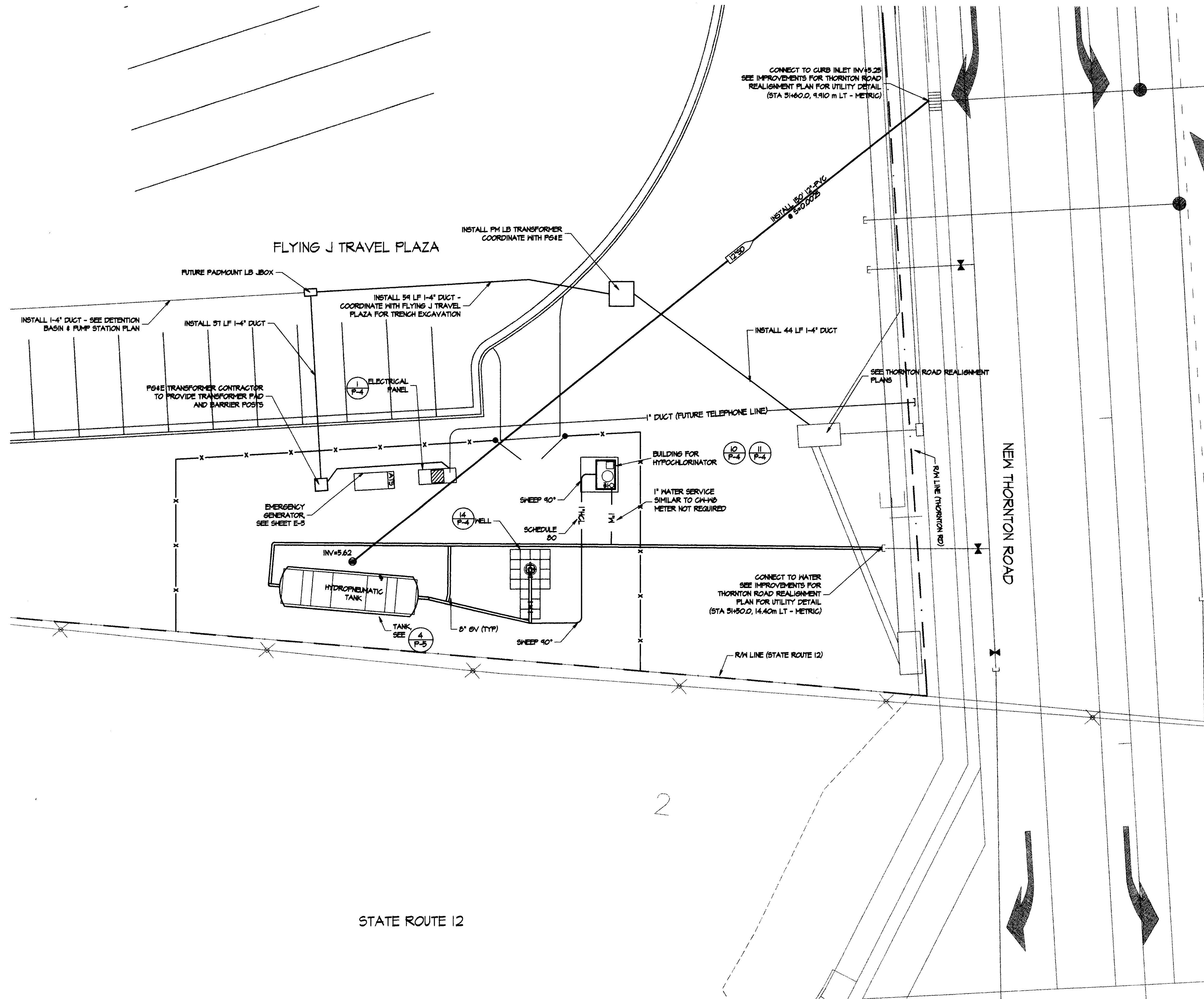
KJELDSEN
SINCOCK
NEUDECK
Consulting Engineers
and Land Surveys
Post Office Box 844
711 N. Pine Avenue
Stockton, CA 95201-0844
(209) 946-0288

NO.	REVISIONS	DATE	BY	CHK

PROJECT TITLE: Flying J Travel Plaza
DRAWING NO.: CONCRETE & MISC. DETAILS
DATE: Jan. 2001

DATE: Jan. 2001
DRAWING NO.: P-6

SL 3468



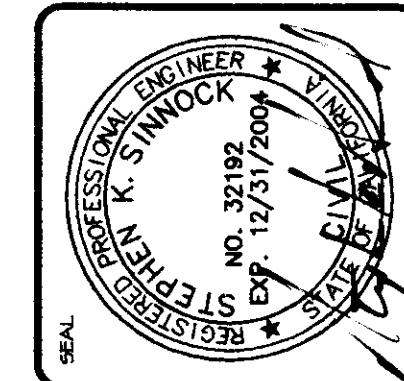
PROJECT TITLE: Flying J Travel Plaza
DRAWING TITLE: PIPING PLAN
DATE: Jan. 2007
DRAWING NO.: 0-5

PROJECT TITLE: Flying J Travel Plaza
DRAWING TITLE: PIPING PLAN
DATE: Jan. 2007
DRAWING NO.: 0-5

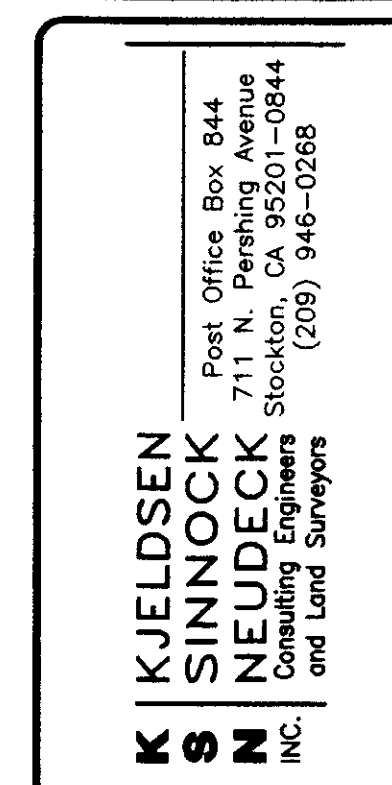
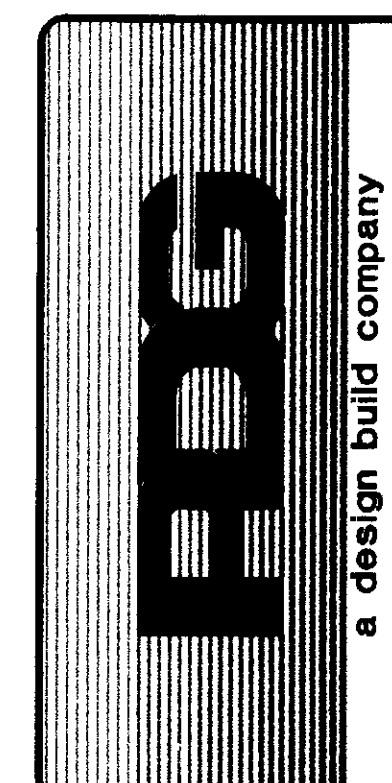
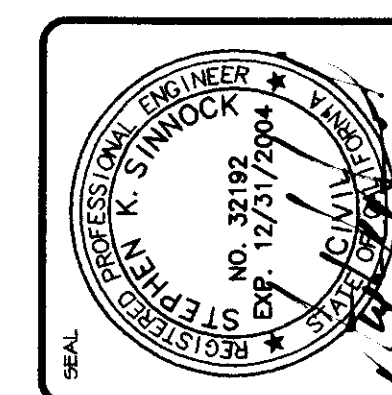
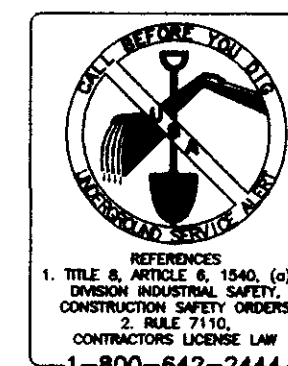
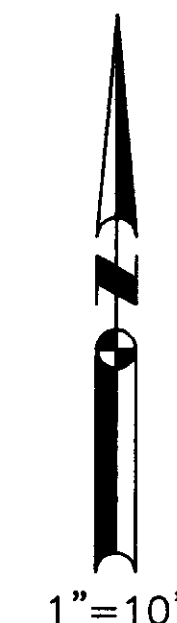
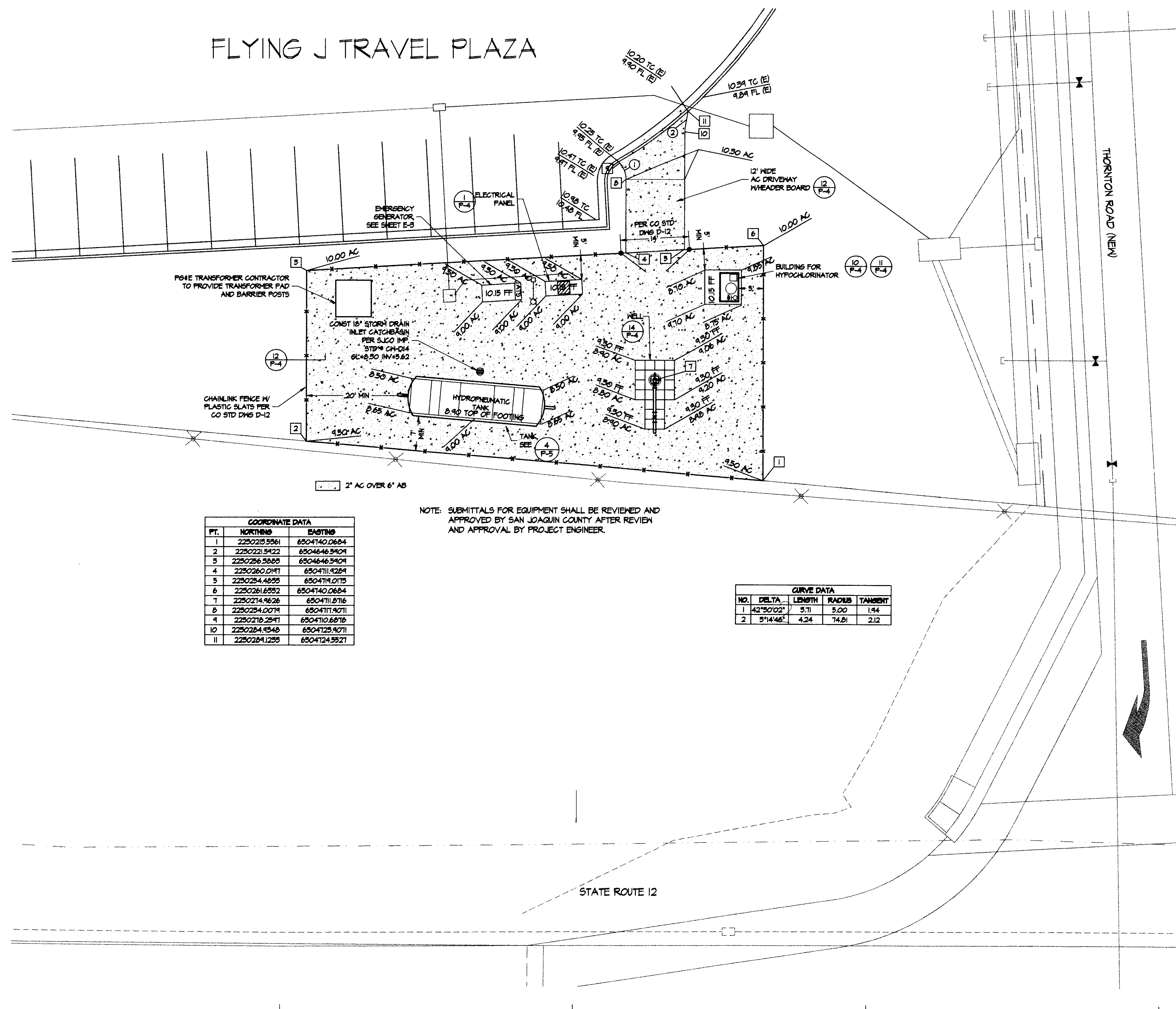
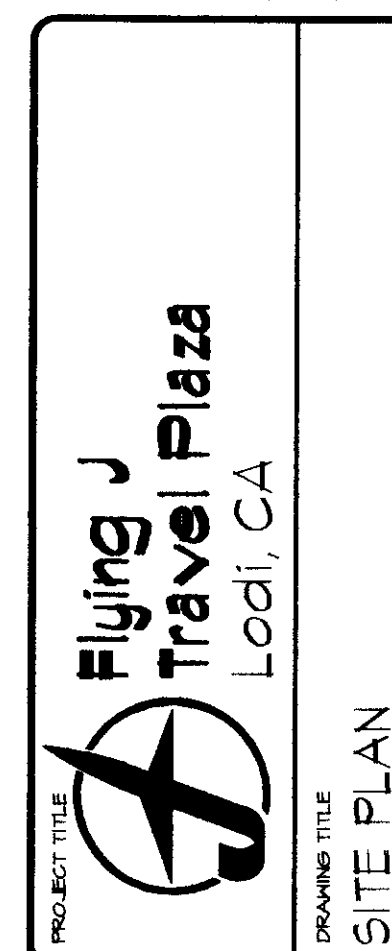
NO.	REVISIONS/SUBMISSIONS	DATE	BY	CHKD.	APPV.

KJELDSEN SINNOCK NEUDECK
Consulting Engineers and Land Surveyors
Post Office Box 844
711 N. Pershing Avenue
Stockton, CA 95201-0844
(209) 946-0268

EDG
a design build company
41 WEST FOREST STREET, BRIGHTON CITY, OHIO 45302 (455) 934-3400



FLYING J TRAVEL PLAZA

[illegible]

DATE : Jan. 2001

DRAWING No.

U-4

BRACK TRACT
TERMINOUS TRACT
SHIN KEE TRACT
BISHOP TRACT
ATLAS TRACT
KING ISLAND

WOODBRIDGE ROAD
THORNTON ROAD
STATE HIGHWAY NO. 12
AGANJO ROAD
TURNER ROAD
DAVIS ROAD
HORTON ROAD

HOOGS SLOUGH
WATER WELL LOCATION

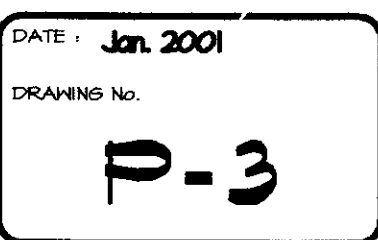
50015
50016

PROJECT AREA

POINT #	NORTHING (CC888-III)	EASTING (CC888-III)	ELEVATION (NGVD24)	DESCRIPTION
1	2230022.24	6280611.56	-1.78	BENCH MARK DISK STAMPED "J 464 1951" SET IN TOP OF THE NORTHWEST CORNER OF CONCRETE BLOCK, LOCATED 0.2 MILE WEST OF CORREIA ROAD, 65.5 FEET SOUTH OF CENTERLINE OF STATE HIGHWAY 12.
2	2244440.92	6285749.18	4.12	SURVEY DISK STAMPED "HOGS SLOUGH 1991", LOCATED SOUTH SIDE OF HOGS SLOUGH ON LEVEE ROAD 0.25 MILES NORTH OF WOODBRIDGE ROAD ON BRACK TRACT.
3	2251706.64	6302214.42	16.63	N65 REFERENCE MARK DISK STAMPED "BRACK 2", LOCATED 34.1' WEST OF THE WEST RIGHT-OF-WAY FENCE ON I-5, 6' NORTH OF EXTENSION OF CENTERLINE OF EAST-WEST FARM ROAD, APPROX 1 MILE NORTH OF WOODBRIDGE ROAD.
4	2240665.88	632140.46	32.81	2" ALUMINUM ALLOY DOME CAP WITH MAGNET STAMPED "VALVE 1991" SOUTHEAST OF THE INTERSECTION OF TURNER AND DAVIS ROADS, SET IN THE SOUTHWEST CORNER OF AN "L" SHAPED CONCRETE P.S. & E. UNDERGROUND VAULT.
6	2208712.08	635487.12	9.91	HORIZONTAL CONTROL DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "HARTE 1954 1974" LOCATED ON THE NORTH SIDE OF EIGHT MILE ROAD, 0.15 MILE WEST OF ITS JUNCTION WITH THORNTON ROAD.
7	2205752.15	6247644.52	11.45	SURVEY DISK STAMPED "BISHOP 1991", LOCATED AT THE PARADISE POINT MARINA ON THE SOUTHWEST CORNER OF BISHOP TRACT, NEAR THE NORTH END OF THE BRIDGE LEADING SOUTH OVER DISAPPOINTMENT SLOUGH TO RINDGE TRACT.
8	2236091.61	6303715.25	9.71	BENCH MARK DISK SET IN TOP OF CONCRETE MONUMENT STAMPED "C 464 1951" LOCATED APPROX. 1.1 MILE NORTH ALONG THORNTON ROAD FROM THE INTERSECTION OF HIGHWAY 12 AND THORNTON ROAD, ABOUT 400' NORTHWEST OF AND ACROSS THORNTON ROAD FROM A POWER LINE TRANSMISSION TOWER, ON THE EAST SIDE OF THORNTON ROAD.
50015	2230135.44	6305654.36	12.34	FOUND PK # SHINER IN CENTER OF PAINTED AERIAL PHOTO CROSS LOCATED IN SOUTHEAST PORTION OF TRIANGLE ISLAND, NORTH OF WESTBOUND HIGHWAY 12 AT NORTHBOUND INTERSTATE 5 ON-RAMP.
50016	2228186.23	6304487.20	11.35	FOUND PK # SHINER IN CENTER OF PAINTED AERIAL PHOTO CROSS LOCATED ON WEST FOG LINE OF THORNTON ROAD, APPROX 115' SOUTH OF THE CENTERLINE OF DEBROGGI ROAD.

SCALE: 1"=3000'

BASE OF CONTROL
 BEARINGS AND DISTANCES SHOWN ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 5 (CC888-III) AS REFERENCED BY AVAILABLE NGS PUBLISHED CONTROL MONUMENTS. GRID DISTANCES SHOWN MUST BE MULTIPLIED BY 1.00005210 TO OBTAIN VERTICAL DISTANCES.
 ELEVATIONS SHOWN ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD24) AS REFERENCED BY AVAILABLE NGS PUBLISHED BENCHMARKS AND GEOID 96.
 UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT.



DETENTION BASIN & PUMP STATION

THORNTON ROAD REALIGNMENT

FLYING J TRAVEL PLAZA

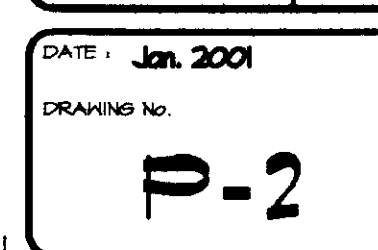
INTERSTATE 5

HIGHWAY 12

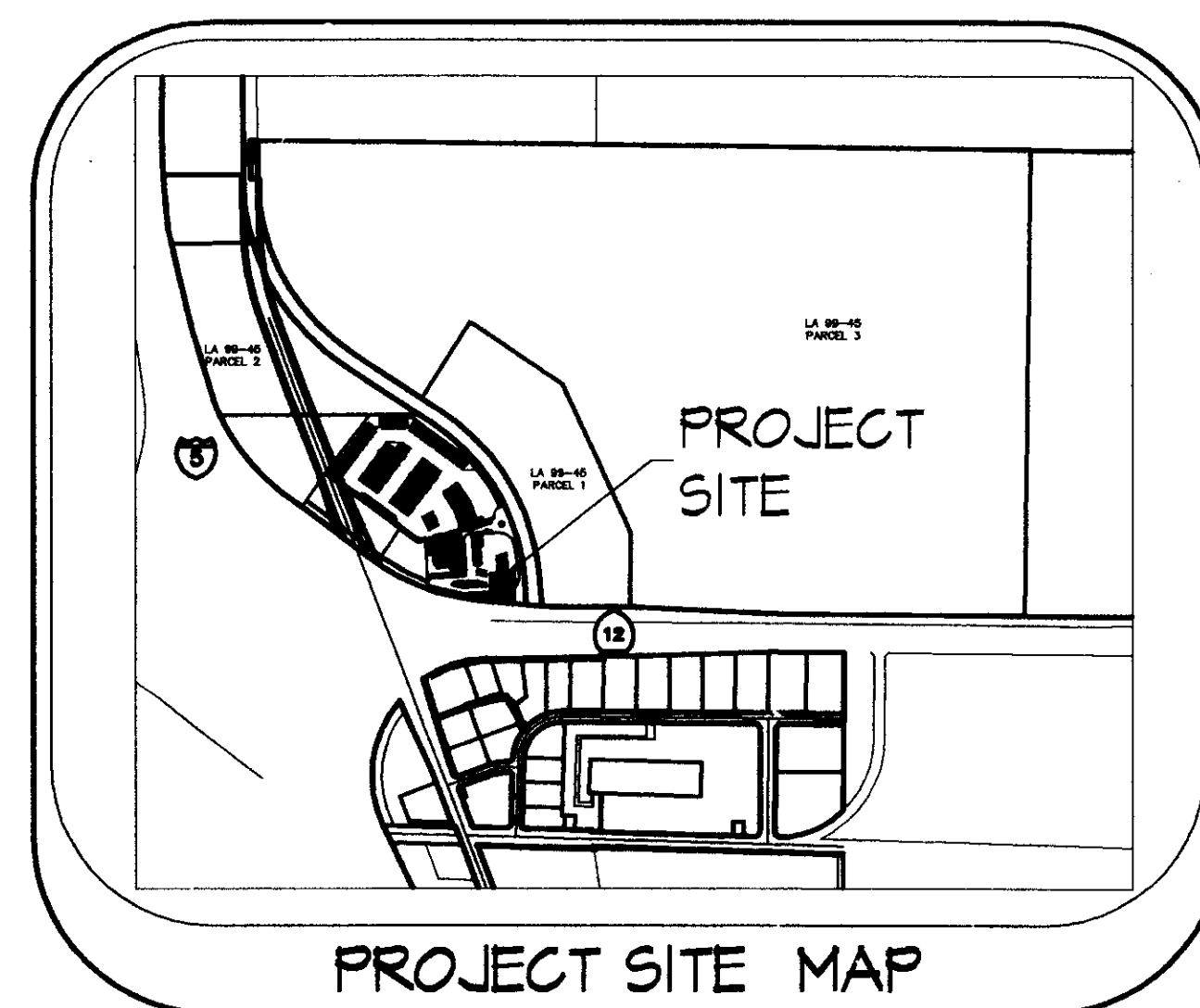
WATER WELL

WELL SITE TO BE DEDICATED, BY SEPARATE RECORD DOCUMENT, TO SAN JOAQUIN COUNTY

1"=80'



FLYING J
TRAVEL PLAZA
WATER WELL
SAN JOAQUIN COUNTY, CALIFORNIA



SHEET NO.	DESCRIPTION
P1	TITLE SHEET
P2	SITE LOCATION
P3	SURVEY CONTROL PLAN
P4	SITE PLAN
P5	PIPING PLAN
P6	CONCRETE & MISC. DETAILS
P7	WATER WELL TANK AND DETAILS
E1	ELECTRICAL PLAN
E2	ELECTRICAL DETAILS
E3	ELECTRICAL DETAILS

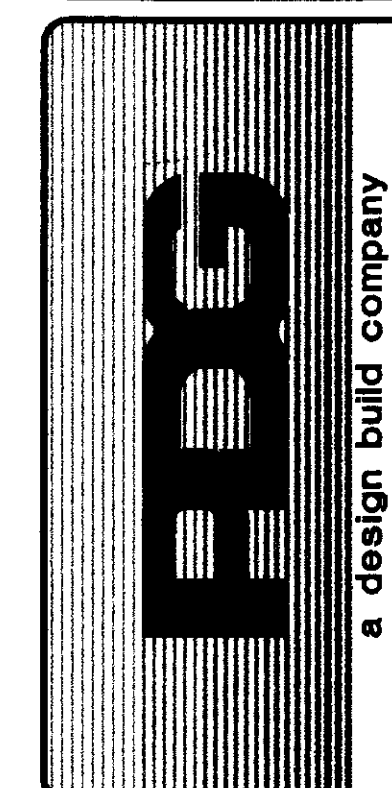
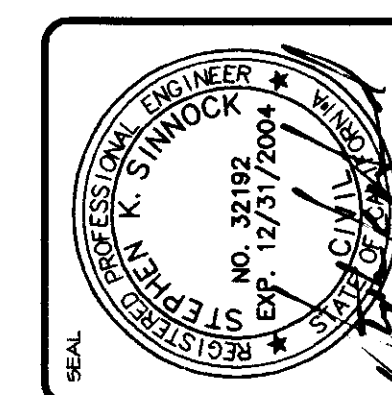
SHEET INDEX

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

APPROVED: Gabriel Karam 1/12/01
SENIOR CIVIL ENGINEER DATE

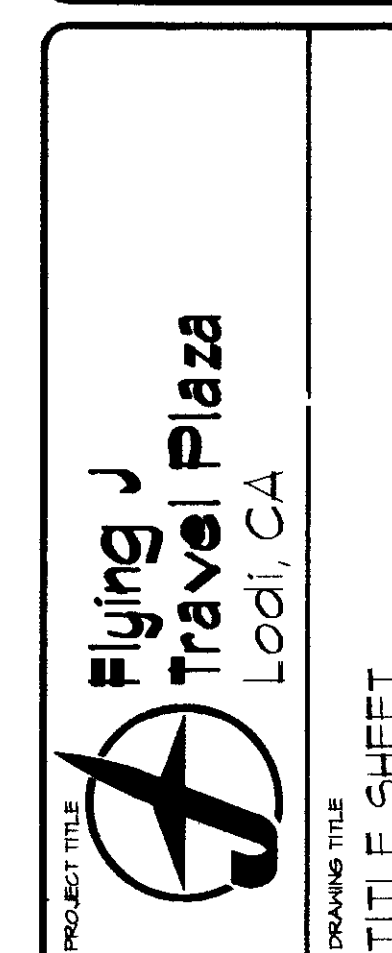
RCE NO. 33172 EXP DATE: 6/30/02

Manuel Lopez 1/18/01
DIRECTOR OF PUBLIC WORKS DATE
COUNTY OF SAN JOAQUIN



**KJELSDEN
SINNOCK
NEUDECK**
Consulting Engineers
and Lead Engineers

Post Office Box 844
711 N. Pershing Avenue
Stockton, CA 95201-0844
(209) 946-0268

[illegible]

DATE : Jan. 2001

DRAWING No.

P-1