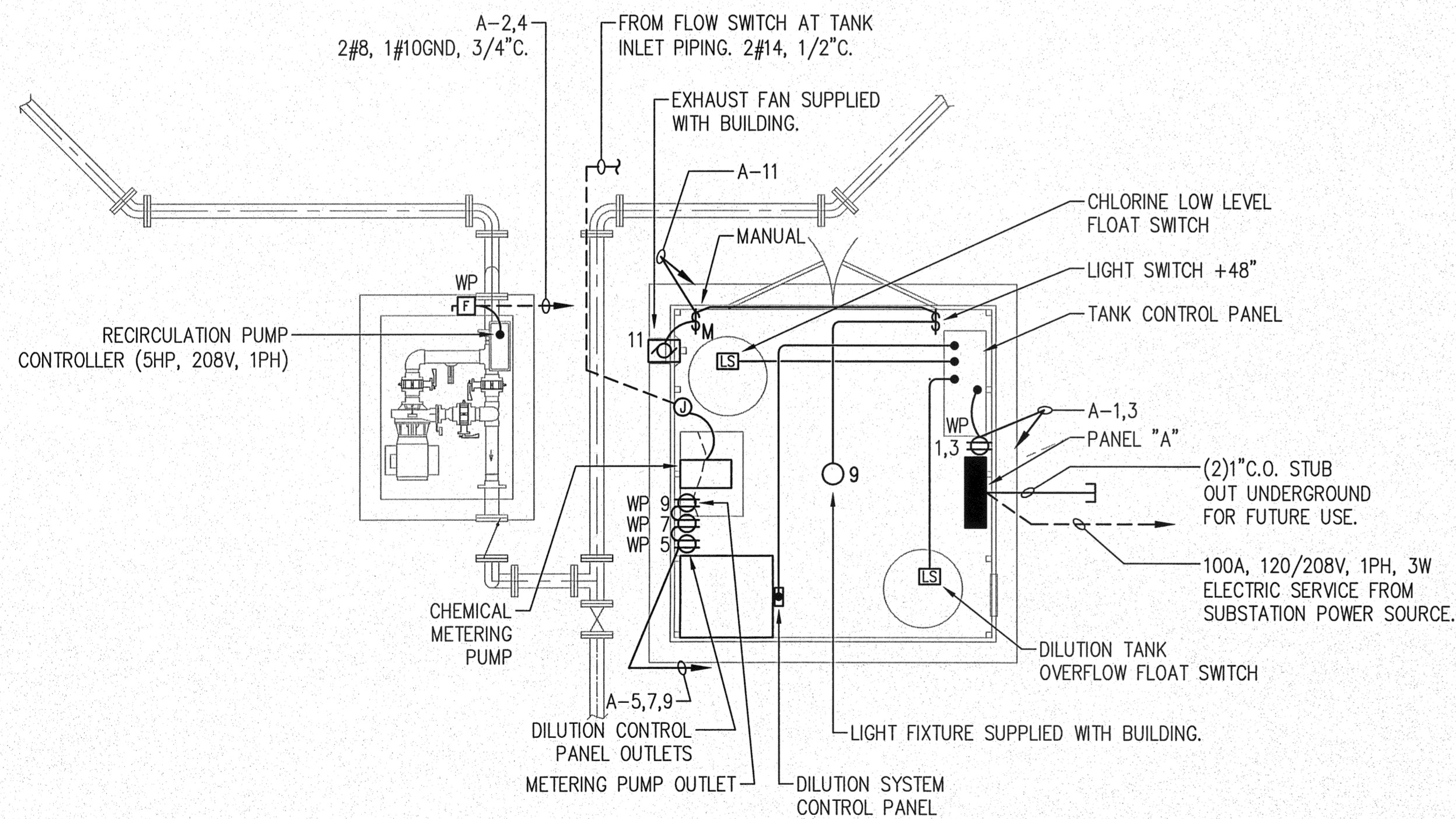


CHLORINATION BUILDING SINGLE LINE DIAGRAM
NO SCALE



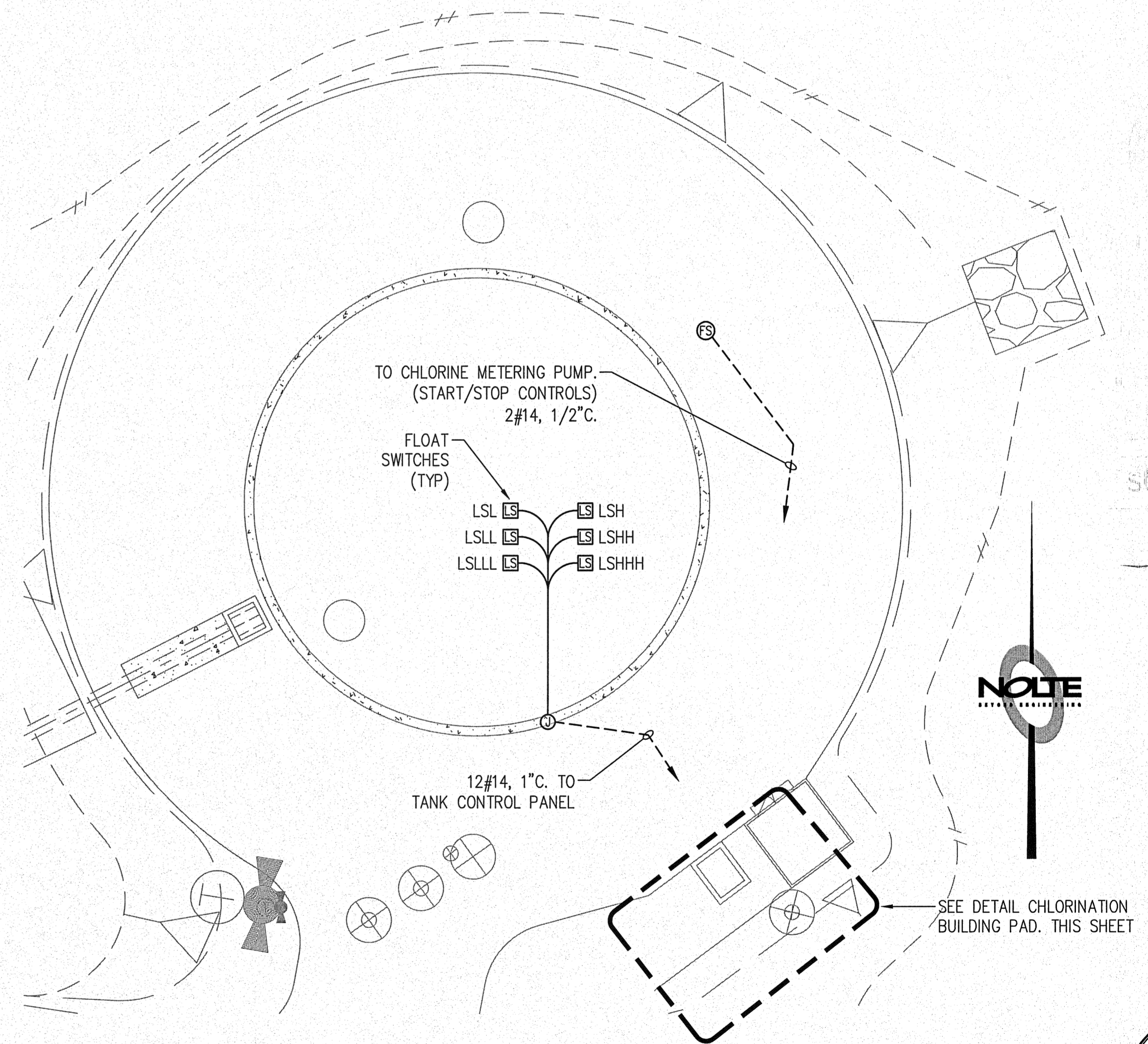
- NOTES**
1. OUTLETS FOR METERING PUMP SHALL HAVE TVSS PROTECTION.
 2. ALL OUTLETS IN CHEMICAL BUILDING TO BE WEATHERPROOF TYPE.

CHLORINATION BUILDING ELECTRICAL PLAN
3/8"=1'-0"

PANEL: A
VOLT: 120/208V 1 PHASE, 3 WIRE
BUS: 100 AMP
MAIN: 100A, 2P
FED FROM:

NEW
SURFACE MOUNTED
10 kAIC RATING
NEMA 1 ENCLOSURE
KEY: N - NON-COINCIDENT LOADS

DESCRIPTION	C K T	L O A D	Q U A N T I T Y	B R E A K E R A M P	VOLT AMPERES PER PHASE		B R E A K E R P A M P	Q U A N T I T Y	C O N T R I B U T I O N	C O N T R I B U T I O N	DESCRIPTION	
					A Ø	B Ø						
CONVENIENCE OUTLET	1	500	20	1	3724		2	60	M	3224	2	RECIRCULATION PUMP STATION
TANK CONTROL PANEL	3	500	20	1	3724		-	-	M	3224	4	
DILUTION SYSTEM	5	500	20	1	500		1	20			6	SPARE
DILUTION SYSTEM	7	500	20	1	500		1	20			8	SPARE
METERING PUMP	9	500	20	1	500		1	20			10	SPARE
LIGHT AND EXH FAN	11	500	20	1	500		1	20			12	SPARE
IRRIG CONTROL AND CONV OUTLET	13	500	20	1	500						14	SPACE
SPACE	15		20	1	0						16	SPACE
SPACE	17				0						18	SPACE
SPACE	19				0						20	SPACE
SPACE	21				0						22	SPACE
SPACE	23				0						24	SPACE
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE					0	0	PANEL:					
TOTAL VOLT AMPERES PER PHASE					5224	4724			TOTALS			
KEY		DEMAND		DESIGN		CONNECTED						
L-GENERAL LIGHTING LOAD	125%	0	VA	0	VA	10	TOTAL CONNECTED KVA					
R-RECEPTACLES (NEC ART. 220-13)		0	VA	0	VA	10	TOTAL DESIGN KVA					
M-MOTOR LOADS		6448	VA	6448	VA	48	TOTAL CONNECTED AMPS					
K-KITCHEN RECEPTACLES	0 AT 100%	0	VA	0	VA	8	25% OF LARGEST MOTOR AMPS					
ALL OTHER LOADS		3500	VA	3500	VA	56	TOTAL DESIGN AMPS					



TANK ELECTRICAL PLAN
1"=10'-0"

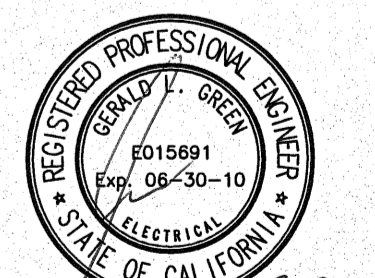
REVISIONS

NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	WORK DONE	DATE:	BY:	APP'D:	NO.	

SAN DIEGO GAS & ELECTRIC COMPANY
SAN DIEGO, CALIFORNIA

SUNCREST SUBSTATION
TANK/CHLORINATION BUILDING DETAILS

DRAWN BY: DG	DATE: 3/24/10	SCALE: AS NOTED	W.D.: -	REV: 0
CHECKED BY: GG	DATE: -			
APPROVED BY: GG	DATE: -	SHEET 56 OF 66		
CAD NO: G4-08125 ELEC	PLOT SCALE: 1:1			



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SCR-C-056