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LOCATION	LVEA RM 105	

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Pr	ANEL	VEAC-Ø1A				LOCAT	ION	LVEA	RM	1Ø5	
F	ED FROM	CKT #				MOUNT	ING	RE			
						PHASE	3		4		
CKT	LOAD	SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS		E LOAD	(VA)	VOLT AMPS
1	VAC. EQUIP GENRL, ION	.LOAD (1.9 KVA) ,AUX_TURBO	1	1	12	2Ø	192Ø	A 192Ø 2867	B	C	8600
3	VAL. EUUIP CENRI - TON	LUAU (1.9 KVA) Alix turro	3	1	12	2Ø	192Ø	2007	192Ø 2867	1400	
5	VAC.EQUIP GATE VALV	(LOAD (1.4 KVA) E	5	1	12	2Ø	14ØØ			14ØØ 2867	
7	NS-27		7	1	12	2Ø		1920			5800
9	3-3		9	1	12	2Ø			192Ø	1400	
11	3-15		11	1	12	2Ø	14ØØ			14ØØ 192Ø	
13	SPACE		13								
15	SPACE		15								
17	SPACE		17								
19	MAIN BREA (BACKFEED	KER TO BUS)	19	3				95Ø			95Ø
\mathbf{X}			21						75Ø		1500
\mathbf{X}			23							75Ø	
			25								
			27								
			29								
				4	1		TOTAL	7671	7471	7471	
		ΤC)TAL	_ CO	NNECT	ED LOAI) (VA)	22613	3		<u>.</u>
							(AMPS)	62.76	$\mathbf{\hat{S}}$		

Pr	ANEL '	VEAC-Ø2A				LOCAT	ION	LVEA	RM	1Ø4	
F	ED FROM	CKT #				MOUNT	ING	RE	CESSI	ED	
						PHASE	3		WIRE	4	
CKT		SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE	e load B	(VA)	VOLT AMPS
1	VAC, EQUIP	LOAD (1.9 KVA 1, AUX TURBO 1. LOAD (1.9 KVA 1, AUX TURBO 1. LOAD (1.4 KVA /E) 1	1			192Ø	192Ø 2867			8600
3	VAC. EQUIP	LOAD (1.9 KVA 1. aux turbo) 3	1			192Ø		192Ø 2867		
5	VAC.EQUIP Gate Valv	LOAD (1.4 KVA /e) 5	1			14ØØ			14ØØ 2867	
7	SPACE		7					1934			5800
9	SPARE		9						1934		
11	VAC.EQUIP GATE VALV	.LOAD (1.4 KVA /e) 11	1						14ØØ 1934	
13	SPACE		13								
15	SPACE		15								
17	SPACE		17								
19	MAIN BREA (BACKFEED	AKER <u>To bus)</u>	19	3				800			800
\mathbf{X}			21						75Ø		1500
\mathbf{X}			23	_						75Ø	
			25								
		\succ	27								
			-29								
							TOTAL	7521	7471	8351	
		7	FOTAL	CO	NNECT	ED LOA	D (VA)	23343			
							(AMPS)	64.79)		

	<u> </u>								Λ		\sim
DRAWING N	D. DESCRIPTION		NO.	DATE	BY	СНКД	ENGR	PROJ	DESCRIPTION		
				6-15-98					ISSUED FOR AS-BUILT	DRAWINGS	IOO WEST WAL PASADENA, (
											IOO WEST WA
КЕ И										AS-BUILT	
ERE											
										PROJ <i>M. D. W.</i> 7-8-96	
E		SN								ENGINEER <i>K. R.</i> 7-3-96	
										CHECKED <i>J.K.</i> 7-3-96	
										DRAWN <i>M. M. 6-25-96</i>	
										ISSUED FOR CONSTRUCTION	

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Ø 2Ø 3 2 VAC. EQUIP. LOAD (8.6 KVA) - - 4 - - 6 Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) I 10 10 12 - - 12 12 - 14 SPACE 1 I 16 SPACE 1							
FEEDER BUS 100 TRIP WIRE SIZE 0 0 LOAD SERVED 100 0 20 3 2 VAC. EQUIP. LOAD (8.6 KVA) 100 - - 4 - 4 100 0 20 3 8 VAC. EQUIP. LOAD (8.6 KVA) 100 - - 6 - 100 100 100 0 20 3 8 VAC. EQUIP. LOAD (5.8 KVA) 100 - - 100 100 100 100 100 100 - - 12 110<					VOL	ts <u>208Y/120V</u>	
T TRIP WIRE SIZE Solution Solution LOAD SERVED Ø 2Ø 3 2 VAC. EQUIP. LOAD (8.6 KVA) - - 4 - - 6 Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) - - 6 Ø 2Ø 3 8 VAC. EQUIP. LOAD (5.8 KVA) - - 10 12 14 - - 16 SPACE 1 - 18 SPACE 1					MAI	N	
TRIP WIRE SIZE	F	EEDER				BUS 100	
- - 4 - - 6 10 20 3 8 VAC. EQUIP. LOAD (5.8 KVA) - - 10 10 - - 12 12 11 14 SPACE 11 11 16 SPACE 11 11 18 SPACE 11	TS	TRIP			\bigcirc		СКТ
- - 4 - - 6 10 20 3 8 VAC. EQUIP. LOAD (5.8 KVA) - - 10 10 - - 12 12 11 14 SPACE 11 11 16 SPACE 11 11 18 SPACE 11	Ø	2Ø		3	2	VAC.EQUIP.LOAD (8.6 KVA) General Loads	2
10 20 3 8 VAC. EQUIP. LOAD (5.8 KVA) - - 10 - - 10 - - 12 12 14 SPACE 1 16 SPACE 1 18 SPACE 1	_				4		$\mathbf{ imes}$
IØ IØ I2 I10 I12 I12 I14 I16 I18 I18 I18					6		$\mathbf{ imes}$
IØ IØ I2 I10 I12 I12 I14 I16 I18 I18 I18	Ø	2Ø		3	8	VAC.EQUIP.LOAD (5.8 KVA) General Loads	8
14 SPACE 1 16 SPACE 1 18 SPACE 1	_				1Ø		\ge
16 SPACE 1 18 SPACE 1	_				12		\times
18 SPACE 1					14	SPACE	14
					16	SPACE	16
Ø 20 12 1 20 RECEPTACLES TRAP PRIMER 2					18	SPACE	18
	Ø	2Ø	12	1	2Ø	RECEPTACLES TRAP PRIMER	2Ø
Ø 20 12 2 22 W-CS-136-WH-Ø5 (1.5 KVA) 2	Ø	2Ø	12	2	22	W-CS-136-WH-Ø5 (1.5 KVA)	22
24 W-CS-136-WH-Ø5 (1.5 KVA)	_				24	W-CS-136-WH-Ø5 (1.5 KVA)	\ge
26					26		
28					28		
30					30		

				VOL	TS <u>208Y/120V</u>	
				MAI	Ν	
F	eeder				BUS1ØØ	
	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
			З	2	VAC.EQUIP.LOAD (8.6 KVA) General Loads	2
				4		\ge
				6		\mid
			3	8	VAC.EQUIP.LOAD (5.8 KVA) General Loads	8
				1Ø		\ge
				12		\times
				14	SPACE	14
				16	SPACE	16
				18	SPACE	18
			1	2Ø	RECEPTACLES TRAP PRIMER	2Ø
			2	22	W-CS-136-WH-Ø4 (1.5 KVA)	22
				24	W-CS-136-WH-Ø4 (1.5 KVA)	\mid
				26		
				28		
				30		

PANEL	VEAC-Ø3A				LOCAT	ION	LVEA								2Ø8Y/12ØV	
FED FROM	CKT #				MOUNT	ING	REI	CESSE	ED					MAIN		
					PHASE	3_		WIRE	4	F	EEDER) 		BI	JS <u>225</u>	
	AD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE	E LOAD	(VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES		DAD SERVED	
1 RB-4		1	1	1Ø	ЗØ	1920	192Ø 2867			8600	2Ø		3	2 TURBO	PUMP RB-6	2
3 RB-5		3	1	1Ø	ЗØ	192Ø		192Ø 2867						4		\rightarrow
5 RB-13		5			2Ø				14ØØ 2867					6		\rightarrow
7 CHECK	VALVE	7			2Ø		1934			5800	2Ø		3	8 TURBO	PUMP RB-11	8
9 BOC DS	12	9			2Ø			1934						1Ø		\rightarrow
11 BOC DS	13	11			2Ø				1934					12		\rightarrow
13 BOC VS	14	13			2Ø						2Ø		1	14 SPARE		14
15 BOC VS	23	15			2Ø						2Ø		1	16 SPARE		16
17 SPACE		17									2Ø		1	18 SPARE		18
19 SPACE		19					950			95Ø	2Ø	12	1	20 RECEPT	ACLES TRAP PRIM	ER 20
21 SPACE		21						75Ø		1500	2Ø	12	2	22 W-CS-1	36-WH-Ø3 (1.5 KVA) 22
23 SPACE		23							75Ø					24 W-CS-13	36-WH-Ø3 (1.5 KVA) >
25 RB-9		25	1		2Ø	192Ø	192Ø 2867			86ØØ	2Ø		3	26 VAC.EC Genera	QUIP.LOAD (8.6 KV Al Loads	^{A)} 26
27 B/C RB	-1Ø	27	1		2Ø	192Ø		192Ø 2867			2Ø			28		\geq
29 BC DS-	3	29	1		2Ø	14ØØ			14ØØ 2867		2Ø			3Ø		\geq
31 PUMP D	S-8	31	1		2Ø	14ØØ	14ØØ 1934			5800	2Ø		3	32 VAC.EC Genera	QUIP.LOAD (5.8 KV Al Loads	A) 32
33 SPACE		33					1934							34		\geq
35 SPACE		35						1934						36		\geq
37 MAIN BACKFE	REAKER IED TO BUS)	37	3		125				1934		2Ø			38 SPARE		38
\prec		39									2Ø			4Ø SPARE		40
\prec		41												42 SPARE		42
						TOTAL	15792	14192	11752							
		TOTAL	CO	NNECTE	ED LOAD) (VA)	41736	6								
						(AMPS)	115.8	4								

	ANEL VEAC-Ø4A						LVEA	<u>rm</u> Cessi						VOL MA	_TS <u>208Y/120V</u>	
	ED FROM CKT #				MOUNT Phase			WIRE	4	F	EEDER) \		1*1H.	BUS225	
CK CK	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE	e load B	(VA)	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	СКТ
1	BOC-LB4	1	1	12	2Ø	192Ø	192Ø 2867			86ØØ	2Ø	12	3	2	TURBO PUMP LD-6	2
3	BOC-LB5	3	1	12	2Ø	192Ø		192Ø 2867						4		\mathbf{X}
5	CHECK VALVE LB-13	5	1	12	2Ø				2867					6		\mathbf{X}
7	CHECK VALVE LB-3	7	1	12	2Ø		1934			5800	2Ø	12	3	8	TURBO PUMP LB-9	8
9	BOC-DS 6	9	1	12	2Ø			1934						1Ø		\mathbf{X}
11	BOC-DS 19	11	1	12	2Ø				1934					12		\mathbf{X}
13	BOC-DS 20	13	1	12	2Ø						2Ø		1	14		14
15	SPARE	15	1		2Ø			115Ø		115Ø	2Ø		1	16	COMMUNICATIONS SUMP PUMP	16
17	SPARE	17	1		2Ø						2Ø			18		18
19	SPACE	19					118Ø				2Ø	12	1	2Ø	RECEPTACLES TRAP PRIMER	R 2Ø
21	SPACE	21						75Ø		1500	2Ø	12	2	22	W-CS-136-WH-Ø6 (1.5 KVA)	22
23	SPACE	23							75Ø					24	W-CS-136-WH-Ø6 (1.5 KVA)	\mathbf{X}
25	LB-8	25	1	12	2Ø	192Ø	192Ø 2867			86ØØ	2Ø		3	26	VAC.EQUIP.LOAD (8.6 KVA) General Loads) 26
27	LB-11	27	1	12	2Ø	192Ø		192Ø 2867			2Ø			28		\mathbf{X}
29	SPARE	29	1		2Ø	14ØØ			14ØØ 2867		2Ø			3Ø		\mathbf{X}
31	SPARE	31	1		2Ø	14ØØ	14ØØ 1934			5800	2Ø		3	32	VAC.EQUIP.LOAD (5.8 KVA General Loads) 32
33	SPACE	33					1934							34		\mathbf{X}
35	SPACE	35						1934						36		\mathbf{X}
37	MAIN BREAKER (BACKFEED TO BUS)	37	3		125						2Ø		1	38	SPARE	38
		39									2Ø		1	4Ø	SPARE	4Ø
		41									2Ø		1	42	SPARE	42
		I		1		TOTAL	16Ø22	15342	11752						,	
	Т	OTAL	. COI	NNECT	ED LOAI	D (VA)	43116	S .								
						(AMPS)	119.6	7								

DATE:	09,
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