PANEL "HC1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 200A | BUS: 225A | LOC.: SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG : FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	30	3			1	6094			HP-C1
SPARE							1	20	3		4	----	----			1		6094		----------
SPARE							1	20	5		6	----	----			1			6094	----------
SPARE							1	20	7		8	30	3			1	6094			HP-C2
SPARE							1	20	9		10	----	----			1		6094		----------
SPARE							1	20	11		12	----	----			1			6094	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32									SPACE
SPARE							1	20	33		34									SPACE
SPARE							1	20	35		36									SPACE
PANEL 'HC2'	2886						3	60	37		38	100	3				17774			TRANSFORMER LC1
----------		3151					----	----	39		40	----	----					21140		----------
----------			1400				----	----	41		42	----	----						22060	----------
	2886	3151	1400														29962	33328	34248	
TOTAL WATTS=	1E+05			ΦA=	32848							ΦB=	36479						ΦC=	35648
AMPS=	126.3	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HE1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 200A | BUS: 225A | LOC.: SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG.: FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	30	3			1	6094			HP-E1
SPARE							1	20	3		4	----	----			1		6094		----------
SPARE							1	20	5		6	----	----			1			6094	----------
SPARE							1	20	7		8	30	3			1	6094			HP-E2
SPARE							1	20	9		10	----	----			1		6094		----------
SPARE							1	20	11		12	----	----			1			6094	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32	20	1							SPARE
SPARE							1	20	33		34	20	1							SPARE
SPARE							1	20	35		36	20	1							SPARE
PANEL "HE2"	2756						60	3	37		38	100	3				12080			TRANSFORMER LE1
----------		2696					----	----	39		40	----	----					14020		----------
----------			0				----	----	41		42	----	----						13560	----------
	2756	2696	0														24268	26208	25748	
TOTAL WATTS=	81676			ΦA=	27024							ΦB=	28904						ΦC=	25748
AMPS=	98.24	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HG1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.. 200A | BUS: 225A | LOC.: SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG.: FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	30	3			1	6400			CU-G1
SPARE							1	20	3		4	----	----			1		6400		----------
SPARE							1	20	5		6	----	----			1			6400	----------
SPARE							1	20	7		8	30	3			1	6400			CU-G2
SPARE							1	20	9		10	----	----			1		6400		----------
SPARE							1	20	11		12	----	----			1			6400	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32	20	1							SPARE
SPARE							1	20	33		34	20	1							SPARE
SPARE							1	20	35		36	20	1							SPARE
PANEL "HG2"	2652						3	60	37		38	100	3				17518			TRANSFORMER LG1
----------		3606					----	----	39		40	----	----					16254		----------
----------			0				----	----	41		42	----	----						16954	----------
	2652	3606	0														30318	29054	29754	
TOTAL WATTS=	95384			ΦA=	32970							ΦB=	32660						ΦC=	29754
AMPS=	114.7	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HC2"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 60A | BUS. 100A | LOC.: SEE PLAN
LUTRON XPS12-2774ML-20 | MTG : FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	468				18		1	20	1		2	20	1		44		2288			LUTRON SAVR NODE
STORAGE, WORKROOM		408			8		1	20	3		4	20	1		44			2288		LUTRON SAVR NODE
SPARE							1	20	5		6	20	1		7				1400	PARKING LOT
SPARE							1	20	7		8	20	1		5		130			BUILDING J EXTERIOR
SPARE							1	20	9		10	20	1		13			455		BUILDING J
							1	20	11		12	20	1							SPARE
	468	408	0														2418	2743	1400	
TOTAL WATTS=	7437			ΦA=	2886							ΦB=	3151						ΦC=	1400
AMPS=	8.945	MINIMUM BKR A.I C. RATING= 14,000 AMPS SYM																		

PANEL "HE2"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 60A | BUS: 100A | LOC.: SEE PLAN
LUTRON XPS16-2774ML-20 | MTG.. FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	468				18		1	20	1		2	20	1		44		2288			LUTRON SAVR NODE
STORAGE, WORKROOM		408			8		1	20	3		4	20	1		44			2288		LUTRON SAVR NODE
SPARE							1	20	5		6	20	1							SPARE
SPARE							1	20	7		8	20	1							SPARE
SPARE							1	20	9		10	20	1							SPARE
SPARE							1	20	11		12	20	1							SPARE
	468	408	0														2288	2288	0	
TOTAL WATTS=	5452			ΦA=	2756							ΦB=	2696						ΦC=	0
AMPS=	6 558	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HG2"

SERVICE. 277/480V 3Φ 4W | MAIN BKR.: 60A | BUS. 100A | LOC.. SEE PLAN
LUTRON XPS16-2774ML-20 | MTG.: FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	468				18		1	20	1		2	20	1		42		2184			LUTRON SAVR NODE
STORAGE, WORKROOM		1318			25		1	20	3		4	20	1		44			2288		LUTRON SAVR NODE
SPARE							1	20	5		6	20	1							SPARE
SPARE							1	20	7		8	20	1							SPARE
SPARE							1	20	9		10	20	1							SPARE
SPARE							1	20	11		12	20	1							SPARE
	468	1318	0														2184	2288	0	
TOTAL WATTS=	6258			ΦA=	2652							ΦB=	3606						ΦC=	0
AMPS=	7.527	MINIMUM BKR A I.C. RATING= 14,000 AMPS SYM																		

PANEL "HD1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 200A | BUS: 400A | LOC : SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG · FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	30	3			1	6094			HP-D1
SPARE							1	20	3		4	----	----			1		6094		----------
SPARE							1	20	5		6	----	----			1			6094	----------
SPARE							1	20	7		8	30	3			1	6094			HP-D2
SPARE							1	20	9		10	----	----			1		6094		----------
SPARE							1	20	11		12	----	----			1			6094	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32	20	1							SPARE
SPARE							1	20	33		34	20	1							SPARE
SPARE							1	20	35		36	20	1							SPARE
PANEL 'HD2'	2652						3	60	37		38	100	3				17430			TRANSFORMER LD1
----------		2982					----	----	39		40	----	----					15622		----------
----------			0				----	----	41		42	----	----						16882	----------
	2652	2982	0														29618	27810	29070	
TOTAL WATTS=	92132			ΦA=	32270							ΦB=	30792						ΦC=	29070
AMPS=	110.8	MINIMUM BKR A.I.C RATING= 14,000 AMPS SYM																		

PANEL "HF1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 400A | BUS· 400A | LOC.: SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG : FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	30	3			1	6400			HP-F1
SPARE							1	20	3		4	----	----			1		6400		----------
SPARE							1	20	5		6	----	----			1			6400	----------
SPARE							1	20	7		8	30	3			1	6400			HP-F2
SPARE							1	20	9		10	----	----			1		6400		----------
SPARE							1	20	11		12	----	----			1			6400	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32	20	1							SPARE
SPARE							1	20	33		34	20	1							SPARE
SPARE							1	20	35		36	20	1							SPARE
PANEL 'HF2'	2756						3	60	37		38	100	3				17170			TRANSFORMER LF1
----------		2826					----	----	39		40	----	----					21700		----------
----------			455				----	----	41		42	----	----						23620	----------
	2756	2826	455														29970	34500	36420	
TOTAL WATTS=	1E+05			ΦA=	32726							ΦB=	37326						ΦC=	36875
AMPS=	128.6	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HH1"

SERVICE: 277/480V 3Φ 4W | MAIN BKR.: 200A | BUS: 225A | LOC.: SEE PLAN
SQUARE D 'NF' PANELBOARD | MTG.. FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
SPARE							1	20	1		2	20	3			1	4155			AC-H1
SPARE							1	20	3		4	----	----			1		4155		----------
SPARE							1	20	5		6	----	----			1			4155	----------
SPARE							1	20	7		8	20	3			1	4155			AC-H2
SPARE							1	20	9		10	----	----			1		4155		----------
SPARE							1	20	11		12	----	----			1			4155	----------
SPARE							1	20	13		14	20	1							SPARE
SPARE							1	20	15		16	20	1							SPARE
SPARE							1	20	17		18	20	1							SPARE
SPARE							1	20	19		20	20	1							SPARE
SPARE							1	20	21		22	20	1							SPARE
SPARE							1	20	23		24	20	1							SPARE
SPARE							1	20	25		26	20	1							SPARE
SPARE							1	20	27		28	20	1							SPARE
SPARE							1	20	29		30	20	1							SPARE
SPARE							1	20	31		32	20	1							SPARE
SPARE							1	20	33		34	20	1							SPARE
SPARE							1	20	35		36	20	1							SPARE
PANEL 'HH2'	590						3	60	37		38	100	3				9116			LH1' TRANSFORMER
----------		2247					----	----	39		40	----	----					7558		----------
----------			160				----	----	41		42	----	----						6868	----------
	590	2247	160														17426	15868	15178	
TOTAL WATTS=	51469			ΦA=	18016							ΦB=	18115						ΦC=	15338
AMPS=	61.91	MINIMUM BKR A.I C. RATING= 14,000 AMPS SYM																		

PANEL "HD2"

SERVICE. 277/480V 3Φ 4W | MAIN BKR.: 60A | BUS· 100A | LOC : SEE PLAN
LUTRON XPS12-2774ML-20 | MTG.: FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	468				18		1	20	1		2	20	1		42		2184			LUTRON SAVR NODE
STORAGE, WORKROOM		694			13		1	20	3		4	20	1		44			2288		LUTRON SAVR NODE
SPARE							1	20	5		6	20	1							SPARE
SPARE							1	20	7		8	20	1							SPARE
SPARE							1	20	9		10	20	1							SPARE
SPARE							1	20	11		12	20	1							SPARE
	468	694	0														2184	2288	0	
TOTAL WATTS=	5634			ΦA=	2652							ΦB=	2982						ΦC=	0
AMPS=	6.777	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HF2"

SERVICE 277/480V 3Φ 4W | MAIN BKR.: 60A | BUS: 100A | LOC : SEE PLAN
LUTRON XPS16-2774ML-20 | MTG.· FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	468				18		1	20	1		2	20	1		44		2288			LUTRON SAVR NODE
STORAGE, WORKROOM		408			8		1	20	3		4	20	1		44			2288		LUTRON SAVR NODE
SPARE							1	20	5		6	20	1							SPARE
SPARE							1	20	7		8	20	1							SPARE
SPARE							1	20	9		10	20	1		5			130		BUILDING K EXTERIOR
SPARE							1	20	11		12	20	1		13				455	BUILDING K
	468	408	0														2288	2418	455	
TOTAL WATTS=	6037			ΦA=	2756							ΦB=	2826						ΦC=	455
AMPS=	7 261	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

PANEL "HH2"

SERVICE: 277/480V 3Φ 4W | MAIN BKR : 60A | BUS· 100A | LOC.: SEE PLAN
LUTRON XPS12-2774ML-20 | MTG.: FLUSH

REMARKS	LOAD			REC	LTG	MISC	POLE	TRIP	CIRC		CIRC	TRIP	POLE	REC	LTG	MISC	LOAD			REMARKS
	ΦA	ΦB	ΦC														ΦA	ΦB	ΦC	
EXTERIOR	208				8		1	20	1		2	1	20		7		382			SUPPORT
SPARE							1	20	3		4	1	20		26			2247		EXERCISE
SPARE							1	20	5		6	1	20							SPARE
SPARE							1	20	7		8	1	20							SPARE
SPARE							1	20	9		10	1	20							SPARE
EXIT & EMERGENCY			160		14		1	20	11	*	12	1	20							SPARE
	208	0	160														382	2247	0	
TOTAL WATTS=	2997			ΦA=	590							ΦB=	2247						ΦC=	160
AMPS=	3.605	MINIMUM BKR A.I.C. RATING= 14,000 AMPS SYM																		

*BREAKER ONLY PAINT BREAKER RED

ORDIZ MELBY ARCHITECTS, INC.

5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (661) 832-5258
FACSIMILE (661) 832-4291

LICENSED ARCHITECT DANNY ESPINEDA ORDIZ No. C-14728 MAY 31, 2013 RENEWAL DATE STATE OF CALIFORNIA

DANNY E. ORDIZ, AIA
ARCHITECT C-14,728

WILLIAM J. MELBY, AIA
ARCHITECT C-16,835

CONSULTANT

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4115 VINELAND ROAD
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CALIFORNIA
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CALIFORNIA
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