PAI	NE	LE	30	ARD SCHEDULE						<u>'EV'</u>										
	OC/	ATIO	N	PUMP STATION #1			VOLT	AGE	120	1	208				MIN. AIC	RATING	10,000 FUL	LY RA	TED	
		NTIN	G	SURFACE			PHASE	•		3					MAINS	RATING	150A MCB			
	ENCL	OSU	RE	NEMA 1			WIRE			4					C.B. TY	PE	BOLT-ON			
NOTE		RE SI.		CIRCUIT DESCRIPTION / AREA SERVED	CONN. LOAD (VA)	СВ	POLE	CK	DEMAI A	ND LOAD B	OS (VA)	CK T	POLE	СВ	CONN. LOAD (VA)	CIRCU	JIT DESCRIPTION / AREA SERVED		IRE SI	NOTE
	10		4	ELECTRIC VEHICLE CHARGING STATION (FUTURE)	4800	60	2	1	4800			2			0	SPACE				
			4	9.6KW, 208V, 1PH	4800		-	3		4800 0	-	4			0	SPACE				
	10	*	4	ELECTRIC VEHICLE CHARGING STATION (FUTURE)	4800	60	2	5			4800	6			0	SPACE				
			4	9.6KW, 208V, 1PH	4800	••	-	7	4800 0]	No.	8			0	SPACE				
				SPACE	0			9		0]	10		,	0	SPACE				
				SPACE	0			11			0	12			0	SPACE				
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				SPACE	0			27		0	-	28			0	SPACE				
				SPACE	0			29			0	30		,	0	SPACE				
ОТА	L L	DAD	PE	R PHASE					9600	4800	4800					9,600	VA / 120 V = 80) AM	PS	

NOTE: MAIN BREAKER AND BRANCH CIRCUIT BREAKERS IN ELECTRICAL PANEL 'EV' MUST BE TURNED-OFF AND LOCKED-OFF UNTIL ELECTRICAL VEHICLE CHARGING STATIONS ARE INSTALLED AND READY TO POWER ON.

LOAD CALCULATIONS SUMMARY	Y		
SERVICE ENTRANCE SECTION 'SES' 1600A, 277/480V, 3PH, 4W WITH 1200A MCB			
EXIST. LOAD FROM DEMOLISHED SWITCHBOARD	(PER EDG RECORD DWGS. DATED 8-23-21) =	168,750	VA
PANEL 'HO'	(PER EDG RECORD DWGS. DATED 8-23-21) =	46,931	VA
PANEL 'HM'	(PER EDG RECORD DWGS. DATED 8-23-21) =	41,490	VA
100-HP MOTOR	(PER EDG RECORD DWGS. DATED 8-23-21) =	103,044	VA
PANEL 'HA'	(THIS PROJECT) =	57,946	VA
PANEL 'EV'	(THIS PROJECT) =	19,200	VA
TOTAL DEMAND LOAD IN VA	=	437,361	VA
TOTAL DEMAND LOAD IN AMPS @ 480V, 3PH	=	526	AMPS

		LIGHTING FI	XTURE S	CHE	DULE	
FIXTURE ID	MANUFACTURER	DESCRIPTION/CATALOG NO.	LAMPS NO TYPE	VOLT	MOUNTING	REMARKS
L1	ZUMTOBEL	2'X2' RECESSED CRYSTAL OPTIC MLINF-22-RU-1515-EA-830-DU	19W LED 1515 LUMENS	120/277	CEILING/ RECESSED	
L1A	LITHONIA LIGHTING	1'X4' SURFACE MOUNTED LED TLX4-20L-FW-A12-EZ1-LP835-N80EMG	21W LED 2260 LUMENS	120	CEILING/ SURFACE	
L2	BESA LIGHTING	STEM-MOUNT PENDANT 1JC-412386-LED-BR-LW 80+CRI, 3000K CCT, 800 LUMENS	9W LED 800 LUMENS	120	PENDANT	
L3	CORE LIGHTING GROUP	FLEXIBLE INDOOR LED STRIP LSM25-WW-24 ALU-FL-78-FR-LSM25	2.2W/FT LED 185 LUMENS/FT	120	CEILING/ SURFACE	PROVIDE MAGNETIC DIMMABLE CLASS 2 LED DRIVER BY CORE LIGHTING #PSDM- 20W-24 (QUANTITY AS REQUIRED)
L4	ELEMENT LIGHTING	4" ADJUSTABLE DOWNLIGHT E4S-L-LO830-25-A-I-010 /E4S-L-F-LZ 1500 LUMENS, 3000K	18W LED 1500 LUMENS	120	CEILING/ RECESSED	
L5	ACUITY BRANDS	4" SQUARE DOWNLIGHT SD4SQ-08LM-BBD-120-G4-90CRI-TD-F-D- BD-FM	11W LED 800 LUMENS	120	CEILING/ RECESSED	
L6	I2 SYSTEMS	I2COVE ASYMMETRICAL LED LIGHT FIXTURE (4-FEET) CAS-4-27K-05-B	5W/FT LED 96.5 LUMENS/W	120-277	CEILING/ SURFACE	PROGRAM LIGHT FIXTURE TO 5W/FT
L6A	I2 SYSTEMS	I2COVE ASYMMETRICAL LED LIGHT FIXTURE (3-FEET) CAS-3-27K-05-B	5W/FT LED 96.5 LUMENS/W	120-277	CEILING/ SURFACE	PROGRAM LIGHT FIXTURE TO 5W/FT
L7	LITHONIA LIGHTING	LED STRIPLIGHT ZL1N-L48-3000LM-FST-120-30K-90CRI- PLR-CS1W-WH	33W LED 3000 LUMENS	120	CEILING/ SURFACE	
L8	GEORGE KOVACS	TUBE 2 BATH LIGHT KVC-TUBE-2-LIGHT-BATH-LIGHT	10W LED	120	WALL/ SURFACE	VERIFY MOUNTING HEIGHT WITH ARCHITECT
L9	RAB LIGHTING	WALLPACKS WPLED-FC-52-Y/PCS/BL/D10	52W LED 4584 LUMENS	120-277	WALL/ SURFACE	PROVIDE PHOTO/MOTION CONTROL BY RAB, CATALOG NO. "STL200LED"
L10	WAC LIGHTING	STEP LIGHT WL-LED100-C-BZ	3.9 LED 32 LUMENS	120	WALL/ RECESSED	VERIFY MOUNTING HEIGHT WITH ARCHITECT
L11	SONEMAN LIGHTING	BOX LED SCONCE 7340.72-WL	10W LED 1020 LUMENS	120	SURFACE	VERIFY MOUNTING HEIGHT WITH ARCHITECT
L12	SONEMAN LIGHTING	TRIFORM COMPACT LED SCONCE 7320.72-WL	10W LED 980 LUMENS	120	SURFACE	VERIFY MOUNTING HEIGHT WITH ARCHITECT
Х	LITHONIA LIGHTING	LED EDGE-LIT EXT SIGN EDG-1-R / EDGR-1-R	3.8W LED	120	SURFACE/ RECESSED	

	LOC	ATIO	N	UTILITY ROOM			VOLT/	AGE	277	1	480				MIN. AC	RATING 10,000 SER	ES RA	TED		_
		NTIN		SURFACE			PHASE			3					MAINS	the state of the s				
		OSU		NEMA 1			WIRE			4					C.B. TY	PE BOLT-ON				
TE		RE SI		CIRCUIT DESCRIPTION / AREA SERVED	CONN. LOAD (VA)	СВ	POLE	CK	DEMAN	ID LOAD B	S (VA)	CK	POLE	СВ	CONN. LOAD (VA)	CIRCUIT DESCRIPTION / AREA SERVED		RE SI		NO
	8	-	4	PANEL 'LA'	12477	70	3	1	12477 4120			2	3	20	3296	RTU-1	10	-	10	1
25	-	-	4	VIA 45KVA XFMR	12355		-	3		12355 4120		4	-		3296	11.9 FLA	10	-		1
	·¥	-	4	"	11863	"	-	5			11863 4120	6	-	•	3296	,	10	•	•	1
				SPARE	0	20	1	7	0 2964			8	3	20	2964	RTU-2	10	•	10	
				SPARE	0	20	1	9		0 2964		10			2964	10.7 FLA	10	•	16	
				SPARE	0	20	1	11		177	2964	12	- 1140		2964		10	-	1(4)	
				SPARE	0	20	1	13	0		•	14			0	SPACE				
				SPARE	0	20	1	15		0		16			0	SPACE				
				SPARE	0	20	1	17			0	18			0	SPACE				
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				SPACE	0			37	0			38			0	SPACE				
				SPACE	0			39		0		40			0	SPACE				
				SPACE	0			41			0	42			0	SPACE				

LUCA	ATIO		UTILITY ROOM			VOLT	AGE	120	1	208				MIN. AIC	RATING 10,000 FUL	LY RA	TED		
			SURFACE			PHASE	E		3					MAINS	RATING 150A MCB				
ENCL	LOSU	RE	NEMA 1			WIRE			4					C.B. TYP	PE BOLT-ON				
						FU7													
			CIRCUIT DESCRIPTION / AREA SERVED	CONN.	СВ	POLE	CK T	DEMAN A	ID LOAD	OS (VA)	CK T	POLE	СВ	CONN. LOAD (VA)	CIRCUIT DESCRIPTION / AREA SERVED	H		ZE G	пот
12	12		RECEPT - OFFICE 101	1260	20	1	1	1260 720		•	2	1	20	720	RECEPT - LOBBY	12	12	12	
12	12	12	RECEPT - OFFICE 102	900	20	1	3		900 360	-	4	1	20	360	RECEPT - OFFICE 104 COMPUTER	12	12	12	10
12	12	12	RECEPT - PATIO	540	20	1	5	1.0		540 900	6	1	20	900	RECEPT -TELE/ ELEC RM./ VAULT RM./ CORRIDOR	12	12	12	
12	12	12	RECEPT - QUADRUPLEX TMB TELEPHONE/ ELEC	500	20	1	7	500 1200		570.000	8	1	20	1200	Base of the Base o	12	12	12	
12	12	-		1260	20	1	9		1260 1200	}	10	1	20	1200	RECEPT - ABOVE COUNTER	12	12	12	
12	12	12	BOARD ROOM COUNTER	900	20	1	11	32	N. Bornson	900 1200	12	1	20	1200	RECEPT - ABOVE COUNTER	12	12	12	
12	12	12	RECEPT - BOARD ROOM PROJECTOR / SCREEN PROJECTOR	1000	20	1	13	1000 360			14	1	20	360	RECEPT - OFFICE 101 COMPUTER	12	12	12	10
12	12	12		720	20	1	15		720 360	}	16	1	20	360	RECEPT - OFFICE 102 COMPUTER	12	12	12	IC
12	12	12		1080	20	1	17	1.7		1080 360	18	1	20	360	RECEPT - RESTROOMS	12	12	12	
12	12	12	RECEPT - BOARD ROOM	720	20	1	19	720 180			20	1	20	180	RECEPT - ROOF	12	12	12	
12	12	12	RECEPT - BREAK ROOM	360	20	1	21		360 2250	-	22	2	30	2250	WATER HEATER (WH-1)	10	-	10	4
12	12	12	ELECTRIC WATER COOLER (EDF-1)	480	20	1	23	11.1		480 2250	24	(0.0)		2250	4.5 KW	10	-	-	4
12	12	12	RECEPT - T.V. @ BOARD ROOM	300	20	1	25	300 200			26	1	20	200	TIMECLOCK / CONTACTOR	12	12	12	
12	12	12	IRRIGATION CONTROLLER	200	20	1	27	_	200	}	28			0	SPACE				
12	12	12	ELECTRONIC WATER CONTROL SYSTEM WATER & PUMP	500	20	1	29	1.5		500	30			0	SPACE				
12	12	12		360	20	1	31	360 288			32	1	15	288	EF -1 (1/20-HP)	12	12	12	
\Box			SPACE	0			33		0	}	34			0	SPACE				
			SPACE	0			35			0	36			0	SPACE				
			SPACE	0			37	0 3413			38	3	60	3413	PANEL 'SR'	4	4	10	
			SPACE	0			39		0 3805	-	40	•		3805	•	4	-	-	
			SPACE	0			41			0 2805	42		"	2805	п	4	-	-	
						FU1	TURE	METER	RING D	EVICE S	SPAC	E							
12	12	12	LTS - VAULT/TELE/ELEC RM./ BREAK RM./TOILETS/UTILITY	751	20	1	43	939 344			44	1	20	343.8	LTS - PATIO COLUMN / BENCH SEATING	12	12	12	1,
12	12	12	LTS - LOBBY/OFRCES	468	20	1	45		585 355	}	46	1	20	284	LTS - BLDG. EXTERIOR WALL / CANOPY	12	12	12	1
12	12	12	LTS - BOARD ROOM	378	20	1	47			473 375	48	1	20	300	LTS - PLANTERS	12	12	12	1,
12	12	12	LTS - BOARD ROOM	555	20	1	49	694 0			50	1	20	0	LTS - BOARD ROOM	12	12	12	1,
			SPACE	0			51		0		52			0	SPACE				
\neg			SPACE	0			53			0	54			0	SPACE	П			
	12 12 12 12 12 12 12 12 12 12 12 12 12 1	BNCLOSU WHE SI G N 12	MOUNTING ENCLOSURE MRESIZE G N H	MOUNTING SURFACE NEMA 1	SURFACE NEMA 1 NEMA 1	SURFACE NEMA 1 SURFACE NEMA 1 SURFACE NEMA 1	MOUNTING NEMA 1	SURFACE NEMA 1 SURFACE N	MOUNTING NEMA 1 SURFACE NEMA 1 SURFACE	SURFACE NEMA 1 SURFACE NEMA 2 SURFACE SURFACE NEMA 2 SURFACE SURFACE NEMA 2 SURFACE	MOUNTH SOUR NEMA 1 NEMA 3 MRE	SURFACE NEMA 1 SURFACE NEMA 2 SURFACE SURFACE NEMA 2 SURFACE SURFACE NEMA 2 SURFACE	SURFACE NEMA 1 SURFACE NEMA NEMA	SURFACE PHASE 3	MINIMAN MINI	MINITEDITION SURFACE MINITEDITION SURFACE MINITEDITION MINITEDITION	MAINTAINE SURFACE MAIN MAIN	MAINTAINE SURFACE PHASE 3	Main

PANELBOARD SCHEDULE NOTES:

- (NOT ALL NOTES MAY BE USE) CONTINUOUS LOAD OR LARGEST MOTOR TAKEN AT 125%.
- 2 VIA TIMECLOCK/PHOTOCELL
- 3 CIRCUIT BREAKER WITH LOCK-ON DEVICE.
- 4 CIRCUIT BREAKER CAPABLE OF BEING LOCKED IN THE OPEN POSITION
- LABEL IN RED BOLD LETTERS "EMERGENCY LIGHT" IN COMPLIANCE WITH CEC 700.12(F).
- IG PROVIDE AN ADDIRIONAL IDENTIFIED GROUND CONDUCTOR FOR ISOLATED GROUND

5 - CIRCUIT BREAKER WITH GROUND FAULT CIRCUIT INTERRUPTER

PANELBOARD GENERAL NOTES 1.) EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNDERGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. (CEC 210.4 (B)):

FOR SINGLE PHASE INSTALLATION: PROVIDE 2-POLE CIRCUIT BREAKER OR (2) SINGLE-POLE CIRCUIT BREAKERS WITH U.L. LISTED HANDLE-TIE.

FOR THREE PHASE INSTALLATION: PROVIDE 3-POLE CIRCUIT BREAKERS OR (3) SINGLE-POLE CIRCUIT BREAKERS WITH U.L. LISTED HANDLE-TIE.

2.) THE UNGROUNDED AND GROUNDED CONDUCTORS OF EACH MULTIWIRE BRANCH CIRCUIT SHALL BE GROUPED BY WIRE TIES OR SIMILAR MEANS IN AT LEAST ONE LOCATION WITHIN THE PANELBOARD OR OTHER POINT OF ORIGINATION.

3.) ELECTRICAL CONTRACTOR SHALL PROVIDE TYPE WRITTEN PANELBOARD CIRCUIT DIRECTORY CARDS FOR EACH PANELBOARD THAT LEGIBLY IDENTIFY EVERY CIRCUITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUITS TO BE DISTINGUISHED FROM ALL OTHERS (CEC 408.4) ADDITIONALLY, ELECTRICAL CONTRACTOR SHALL ETCH OR PERMANENTLY MARK THE COVERPLATES OF RECEPTACLES AND THE JUNCTION BOXES OF LUMINAIRES AND EQUIPMENT WITH THE CIRCUIT'S IDENTIFICATION (STICK-ON LABELS ARE NOT ACCEPTABLE). TAG EACH CIRCUIT CONDUCTOR AT EACH JUNCTION BOX, OUTLET, SWITCH, ETC. WITH THE CIRCUIT'S IDENTIFICATION. (PANEL ORIGINATION AND CIRCUIT NO.)



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ADMINISTRATION BUILDING



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ISSUED	REV	DATE
DART Submittal		15 May 2015
Site Development Plan 1		23 June 2015
30% Schematic Design		30 Oct. 2015
Pre-App & Architectural Board of Review Submittal		23 Apr. 2016
Architectural Board of Review Submittal		25 Jan. 2017
Architectural Board of Review		10 OCT 2022
Building Permit Review		28 AUG 2023



DRAWING

PANELBOARD SCHEDULES, LIGHTING FIXTURE **SCHEDULES & LOAD CALCULATIONS**

PROJECT NUMBER

DRAWING NUMBER