SHEET NOTES:

- A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN
- THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED.
- REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY
- ELECTRICAL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND CEILING SPACES.LOCATIONS OF ELECTRICAL
- JUNCTION BOXES IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING
- PROVIDE CONDUIT, WIRE AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.
- H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

RAISED PAVERS. SECURE, SUPPORT, AND SLOPE CONDUIT PER CODE.

AT PORCHES, ROUTE FLOOR-MOUNTED CONDUIT BETWEEN STRUCTURAL DECK AND

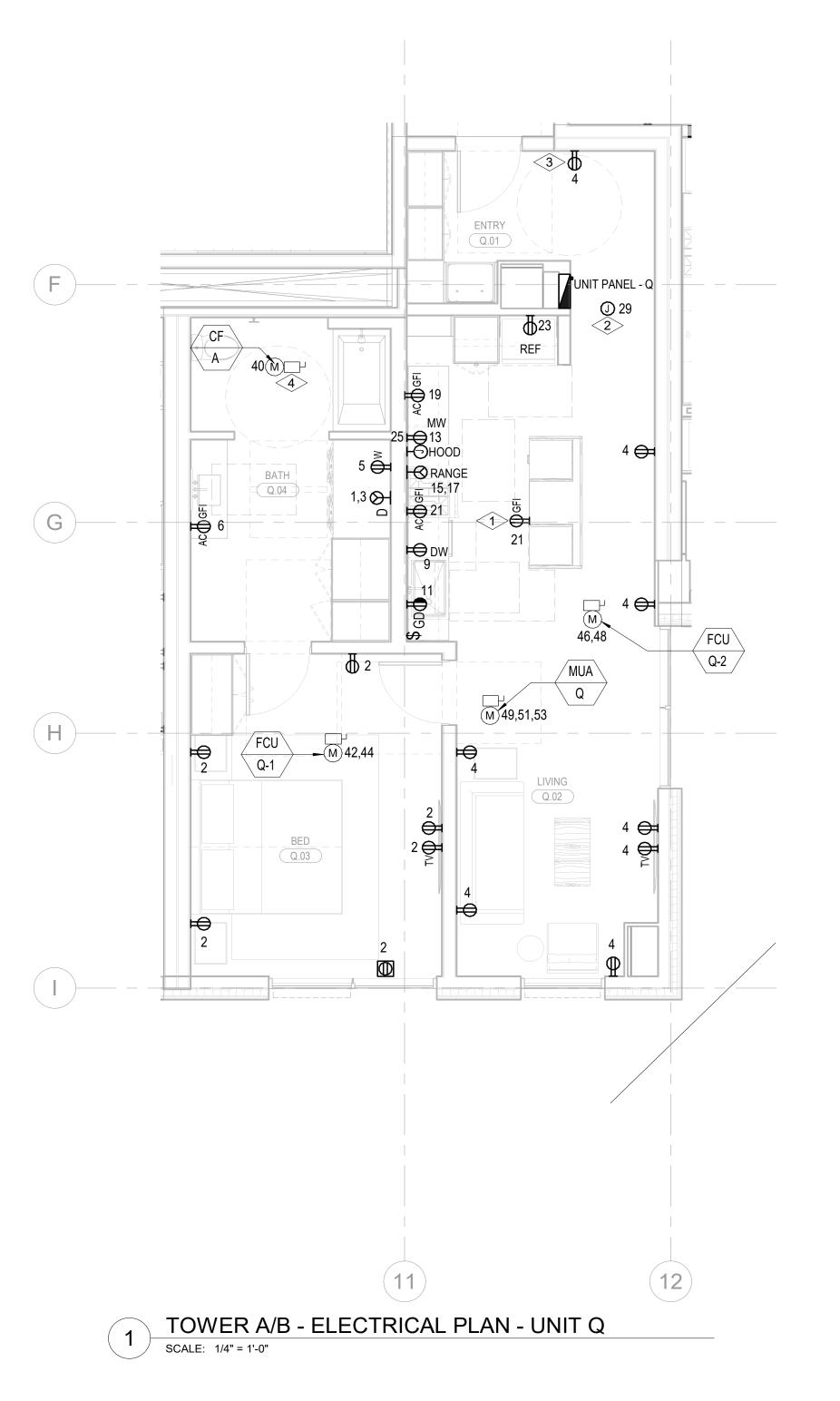
NUMBERED NOTES:

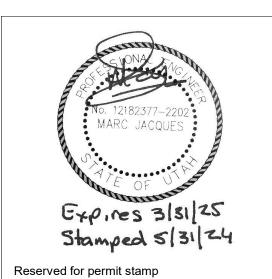
- RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING
- UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120
- VOLT, 60HZ COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OFF OF THE ELECTRICAL PANEL DEDICATED FOR OPTIONAL STAND-BY LOAD.
- 4 EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

Unit	Q 810 s				
		VA/sq.ft.			
Load Descr		(or quantity)	VA	Total V	
1	General Lighting:				
	a. General lighting & receptacles	3	2,430		
	b. Small appliances (2 ckt.)	2	3,000		
	c Laundry circuit	1 _	1,500		
	Total		6,930	6,93	
2	Fixed Appliances:		11,345	11,34	
3	Cooking (Electric)	1	8,000	8,00	
	0.4				
4	Clothes Dryer:	1	5,000	5,00	
5	HVAC				
	a. FCU	2	1,700		
	b. BATHROOM EF	1	50		
	c. 0	-	-		
	d. 0	-	-		
	e. 0	-	-		
	f. 0	-	-		
	g. MUA (Large)	-	-		
	h. MUA (Small)	1	1,500		
	i	-	-		
	j	-	-		
	k. 0	-	-		
	I. Watts per square foot	-	-		
	Total		3,250	3,25	
Total Load:		<u> </u>		34,52	
Application	of Demand Factor: (NEC 220-82)				
1	First 10KVA at 100%			10,00	
2	Remaining Load at 40%			8,51	
3	Air Conditioning at 100%			3,25	
Total Load:				21,76	
Total amp a	at 208V, 3 phase			6	

2 UNIT LOAD CALCULATION - UNIT Q
SCALE: NTS

BRANCH PANEL: UNIT PANEL - Q Location: LIVING Q.02 Main Bus: 400 A MCB: 250 A Voltage: 120/208 Wye AIC Rating:							Fed From: Wires: Enclosure: Bus Type: Mounting:			Neutral Bus: Ground Bus: Isolated Ground Bus: 200% Neutral: Feed Through Lugs:						
СКТ	Circuit Description	Load Classificati on RCPTS	•	Poles			I	В	(;	Poles	-	Load Classificati on RCPTS		cuit Description	СКТ
3	DRYER 		30 A	2	2080	1000	2080	1440			1	20 A 20 A	RCPTS		IVING Q.02	2
5	WASHER	RCPTS	20 A	1					180 VA	180 VA	1	20 A	RCPTS	RCPTS E	BATH Q.04	6
	SPARE	 DCDTS	20 A	1	0 VA	0 VA	400 1 11	0.11			1	20 A		SPARE		8
	DISHWASHER GARBAGE DIPOSAL	RCPTS RCPTS	20 A 20 A	1			180 VA	0 VA	180 VA	0 \/^	1	20 A 20 A		SPARE SPARE		10 12
	HOOD	Other	20 A	1	500 VA	0 VA			100 VA	UVA	1	20 A		SPARE		14
	RANGE	RCPTS	50 A	2	200 171		4160	0 VA			1	20 A		SPARE		16
17									4160	0 VA	1	20 A		SPARE		18
	RCPTS LIVING Q.02	RCPTS	20 A	1	180 VA	0 VA	000111	0.11			1	20 A		SPARE		20
	RCPTS LIVING REF	RCPTS RCPTS	20 A 20 A	1			360 VA	0 VA	180 VA	0 \/^	1	20 A 20 A		SPARE SPARE		22 24
	MW	RCPTS	20 A	1	180 VA	0 V/A			100 VA	0 VA	1	20 A		SPARE		26
	SPARE		20 A	1	100 171	5 V/ (0 VA	0 VA			1	20 A		SPARE		28
29	JB FOR FA	MISC	20 A	1					500 VA	0 VA	1	20 A		SPARE		30
	SPARE		20 A	1	0 VA	0 VA	0.175	4500			1	20 A		SPARE	_	32
	SPARE SPARE		20 A 20 A	1			0 VA	1500	0 VA	1500	1	20 A 20 A		LIGHTING		34 36
	SPARE SPARE		20 A	1	0 VA	1500			UVA	1500	1	20 A		LIGHTING		38
39	SPARE		20 A	1		,,,,,,,,	0 VA	500 VA			1	20 A	HVAC	CF-A		40
41	SPARE		20 A	1						250 VA		20 A	HVAC	FCU-Q-1		42
	SPARE		20 A	1	0 VA	250 VA	0.1/4	250 \/^				 20.4	 HVAC	 FCU-Q-2		44
	SPARE SPARE		20 A 20 A	1			UVA	250 VA		250 VA	2	20 A	HVAC	FCU-Q-2		46 48
	MUA-Q	MTRS	20 A		500 VA	0 VA			3 77	_00 VA	1	20 A		SPARE		50
51	 						500 VA				1	20 A		SPARE		52
	 CDADE		 20.4		0.1/4	0.174			500 VA	0 VA	1	20 A		SPARE		54
	SPARE SPARE		20 A 20 A	1	0 VA	0 VA	0 VA	0 VA			1	20 A 20 A		SPARE SPARE		56 58
	SPARE		20 A	1			J V/ (3 7/1	0 VA	0 VA	1	20 A		SPARE		60
61	SPARE		20 A	1	0 VA	0 VA					1	20 A		SPARE		62
	SPARE SPARE		20 A	1			0 VA	0 VA	0.1/4	0 \/^	1	20 A 20 A		SPARE SPARE		64 66
	SPARE SPARE		20 A 20 A	1	0 VA	0 VA			0 VA	0 VA	1	20 A		SPARE		68
69	SPARE		20 A	1	5 771		0 VA	0 VA			1	20 A		SPARE		70
	SPARE		20 A	1					0 VA	0 VA	1	20 A		SPARE		72
	SPARE SPARE		20 A	1	0 VA	0 VA	0 VA	0 VA			1	20 A 20 A		SPARE SPARE		74 76
	SPARE SPARE		20 A 20 A	1			UVA	UVA	0 VA	0 VA	1	20 A		SPARE		76
79	SPARE		20 A	1	0 VA	0 VA			,.	/ \	1	20 A		SPARE		80
	SPARE		20 A				0 VA	0 VA			1	20 A		SPARE		82
83	SPARE		20 A	_	6070	١ ١ / ٨	1007	70.1/4	0 VA		1	20 A		SPARE		84
				Load: Amps:	6270 52		1	70 VA 3 A	7880 68]					
			. Otal	anpa.			NEL - Q									
	assification		Con	nected		*De	mand Fa	actor		ted Den	nand			Panel	Totals	
Other				500 VA 16620 VA				00 VA	Total Conn. Loa				05400 \/A			
RCPTS										310 VA		1				
Spare			4500 VA 1500 VA		4500 VA 1500 VA			Total Est. Demand								
MTRS MISC				500 VA		1500 VA 500 VA			Total Conn. Total Est. Demand							
MISC HVAC				1500 V						500 VA			i Uldi EST.	Demand:	UIA	
Notes:																
	emand Factor Table															





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principal architect_____ project manager_____ drawn by_____ checked by <u>Checker</u> job no. date 5/31/2024

IFC Set 3 of 3 5/31/2024

2 5/31/2024 IFC 3

no. date

TOWER A/B ELECTRICAL POWER PLAN - UNIT Q E2.4.Q

