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REMARKS
1. RECESSED IN WALL 3
2. PANNEL MOUNTED 3/5

RESIDENTIAL LOAD CENTER

200 AMP MCB
208 VOLT P-P
120 VOLT P-N
1 PHASE
3 WIRE
10000 A/D SYMMETRICAL

AREA: 1,650 SF.

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CKT BKR AMP /P	NO	NO	CKT BKR AMP /P	WIRE	DESCRIPTION	TYPE	LOAD (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
		14.4	14.4	1500	MN	KITCHEN RECEPTS	#12	20 /1	1	2	40 /2	#8	WATER HEATER	WH	6000		28.8		
	14.4		14.4	1500	MN	KITCHEN RECEPTS	#12	20 /1	3	4	-----	----	-----	WH				28.8	
		6.9	6.9	720	LT	TOILET GFI'S	#12	20 /1	5	6	40 /2	#8	COOKTOP	KT	8000		24.0		
	8.4		8.4	874	MW	DISHWASHER	#12	20 /1	7	8	-----	---	-----	KT				24.0	
		14.4	14.4	1500	EX	CLOTHES WASHER	#12	20 /1	9	10	30 /2	#10	DRYER	RP	6000		24.0		
	6.7		6.7	694	MR	REFRIGERATOR	#12	20 /1	11	12	-----	----	-----	RP				24.0	
		10.7	10.7	1113	KT	DISPOSER	#12	20 /1	13	14	40 /2	#8	FCU-1	HT	3400		28.0		
	11.8		11.8	1200	KT	MICROWAVE	#12	20 /1	15	16	----	----	-----	HT				28.0	
						SPARE	---	30 /1	17	18	30 /2	#10	CU-1	AC	3328		16.0		
	10.0		10.0	1100	LT	LIGHTING	#12	20 /1	19	20	----	---	----	AC				16.0	
		11.0	11.0	1200	LT	LIGHTING	#12	20 /1	21	22	40 /2	#8	FCU-2	HT	5400		28.0		
	12.5		12.5	1300	LT	LIGHTING	#12	20 /1	23	24	----	---	----	HT				28.0	
		11.5	11.5	1200	LT	LIGHTING	#12	20 /1	25	26	30 /2	#10	CU-2	AC	3328		16.0		
	1.7		1.7	180	LT	RECEPTACLES	#12	20 /1	27	28	----	---	----	AC				16.0	
		10.4	10.4	1080	LT	RECEPTACLES	#12	20 /1	29	30	20 /1	---	SPARE						
	12.1		12.1	1260	LT	RECEPTACLES	#12	20 /1	31	32	20 /1	---	SPARE						
		8.7	8.7	900	LT	RECEPTACLES	#12	20 /1	33	34	20 /1	---	SPARE						
	8.7		8.7	900	LT	RECEPTACLES	#12	20 /1	35	36	20 /1	---	SPARE						
		2.4	2.4	250	KT	HOOD	#12	20 /1	37	38	20 /1	---	SPARE						
						SPARE	---	20 /1	39	40	20 /1	---	SPARE						
						SPARE	---	20 /1	41	42	20 /1	---	SPARE						

CONNECTED LOADS

Notes: Ltg & receptacles at greater of connected or 3w/sf

C PH (AMP)	B PH (AMP)	A PH (AMP)	N (AMP)	LOAD (VA)	TYPE	DESCRIPTION
	31.9	31.9		10800	HT	ELECTRIC HEAT
	32.0	32.0		6858	AC	A/C REFRIGERATION
	15.1		15.1	1958	MM	MISC. MOTORS
	28.8	28.8		6000	WH	WATER HEATING
					OL	OUTDOOR LIGHTING
	45.6	49.0	49.0	9840	LT	LIGHTING & RECEPTACLES
	24.0	24.0		6000	RP	DRYER
		14.4	14.4	1500	EX	WASHER
					MC	MISC. EQUIPMENT
	14.4	14.4	14.4	3000	MN	SMALL APPLIANCE
	35.6	37.2	27.9	7685	KT	COOKING APPLIANCES
					SF	SUB-FEED
	247.5	251.9	91.0	61929		*** TOTAL ***
	31.9	31.9		10800		LARGER OF HEAT & AC
	215.6	219.9	91.0	49273		*** NET TOTAL ***

NEC COMPUTED LOADS

NEC FCTR	DESCRIPTION	TYPE	LOAD (VA)	N (AMP)	A PH (AMP)	B PH (AMP)	C PH (AMP)
1.00	ELECTRIC HEAT	HT	10800		31.9	31.9	
0.00	A/C REFRIGERATION	AC					
1.00	FIRST 10 KVA OTHER		10000	48.1	48.1	48.1	
0.40	REMAINDER OTHER		9789	47.1	47.1	47.1	

Notes:
1. Ltg & recepts at greater of connected or 3w/sf
2. San app olds at 1500 va each.
3. Washer sets at 1500 va each.

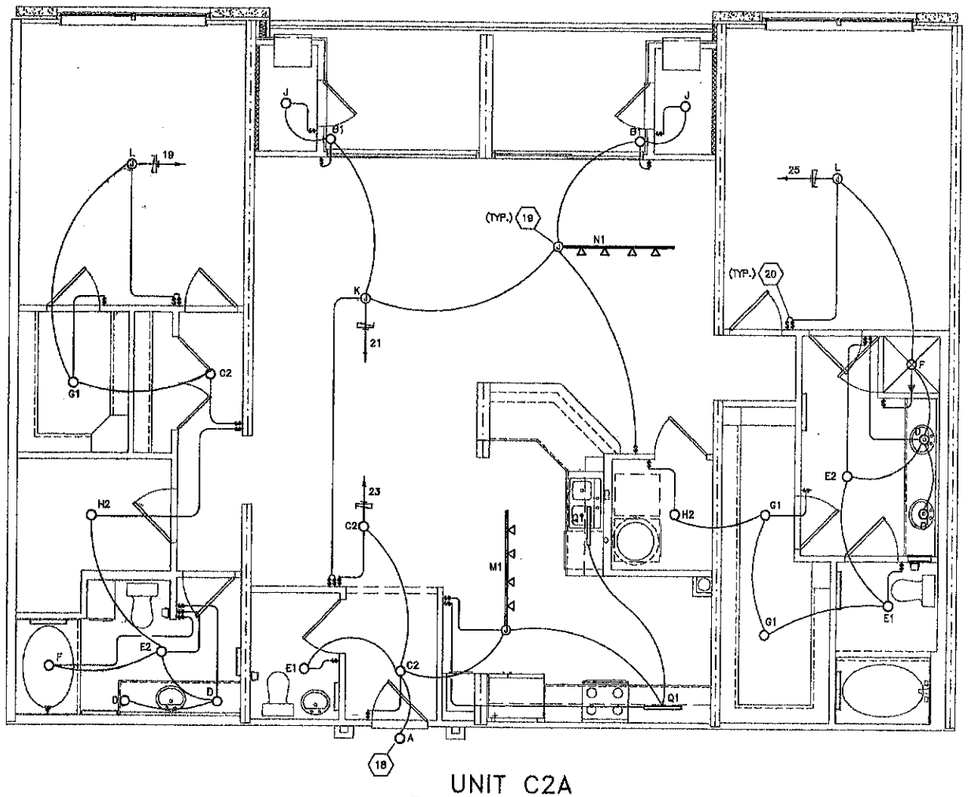
1.00	SUB-FEED	SF					
	FEED-THRU						
	*** TOTAL ***		30589	95.1	147.1	147.1	

GENERAL NOTES

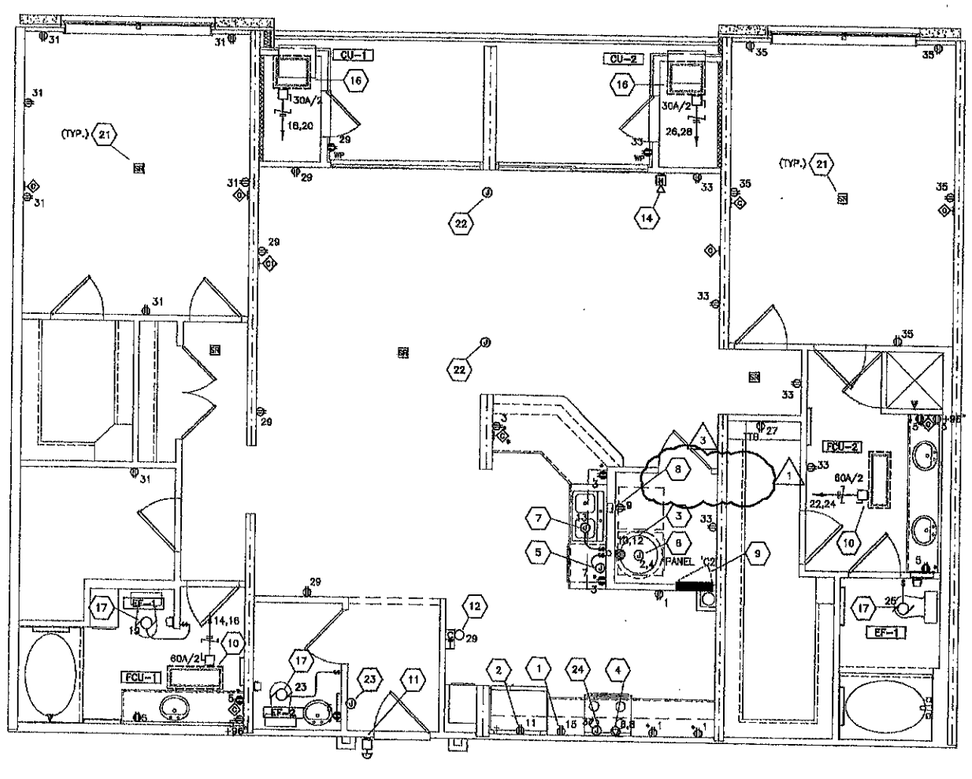
1. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.
2. MECHANICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH ON ALL FAN COIL UNITS.

KEYED NOTES

1. MICROWAVE
2. REFRIGERATOR
3. DRYER. COORDINATE NEMA TYPE WITH EQUIPMENT SUPPLIER.
4. RANGE OR COOKTOP. COORDINATE NEMA TYPE WITH EQUIPMENT SUPPLIER.
5. DISHWASHER
6. WATER HEATER
7. DISPOSAL
8. WASHER
9. UNIT ELECTRICAL PANEL
10. FAN COIL UNIT (FCU-1)
11. DOORBELL BUTTON.
12. DOORBELL CHIMES & TRANSFORMER.
13. NOT USED
14. WALL MOUNTED FIRE ALARM SPEAKER ON FIRE ALARM SYSTEM MOUNTED AT 9'-0" A.F.F.
15. COORDINATE EXACT LOCATION WITH MILLWORK.
16. CONDENSING UNIT (CU-1)
17. EXHAUST FAN.
18. LIGHT FIXTURE TO BE UNSWITCHED. CONNECT TO CIRCUIT BEFORE SWITCH-LEG.
19. JUNCTION BOX FOR TRACK LIGHTING. COORDINATE EXACT LOCATION WITH ARCHITECT.
20. ONE SWITCH SHALL CONTROL LIGHTING AND ONE TO CONTROL CEILING FAN.
21. RESIDENTIAL TYPE SMOKE DETECTOR NOT TO BE CONNECTED TO FIRE ALARM SYSTEM. ALL SMOKE DETECTOR IN UNIT SHALL SOUND ALARM SIMULTANEOUS.
22. JUNCTION BOX FOR CEILING MOUNTED SPEAKERS. COORDINATE LOCATION WITH EQUIPMENT SUPPLIER. PROVIDE 1/2" EMPTY CONDUIT WITH PULL STRING FROM JUNCTION BOX TO CONTROLLER (C1).
23. JUNCTION BOX FOR SECURITY KEYPAD. COORDINATE LOCATION WITH EQUIPMENT SUPPLIER. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING FROM JUNCTION BOX TO TIB.
24. JUNCTION BOX FOR RANGE HOOD. COORDINATE MOUNTING HEIGHT WITH EQUIPMENT SUPPLIER.



UNIT C2A
2 LIGHTING ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"



UNIT C2A
1 POWER ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

STATE OF TEXAS · GEORGE R. DABNEY · 49488 · REGISTERED PROFESSIONAL ENGINEER · 12/02

DABNEY ENGINEERING

ASI #10 01-22-02

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ISSUE DATE 09-21-01

07-09-01 ISSUE FOR PERM

CONSTRUCTION ISSUE

REVISIONS
09-21-01
1 10-26-01
3 01-22-02

Allen Parkway Tower
Houston Texas

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