



NOTE: ALL BREAKERS ARE 20A UNLESS SHOWN OTHERWISE. *GROUND FAULT

LIGHTS	15/1	1	2*	RECEP.	3
DETEC	15/1	3	4		4
	10/2	5	6		5
	10/2	7	8		6
RANGE	10/2	9	10		7
	10/2	11	12		8
HEAT	3 1/2	13	14	(WASHER)	9
5700 W	3 1/2	15	16		10
A/C	20/2	17	18		11
10/2	20/2	19	20		12
10/2	20/2	21	22	3/2 EVH	13
		23	24		14
		25	26		15
		27	28		16
		29	30		17
		31	32		18
		33	34		19
		35	36		20
		37	38		21
		39	40		22
		41	42		23

MAIN BREAKER IC

PANEL D	120/240 VOLT, 1 PH, 3 W.	
100A MAINS	MAIN BREAKER: AMP, POLE	
24 POLES	DIMENSIONS: W, D	
<input type="checkbox"/> SURFACE MOUNTED	<input checked="" type="checkbox"/> S/N BAR	CONNECTED LOAD:
<input checked="" type="checkbox"/> FLUSH MOUNTED	<input checked="" type="checkbox"/> GRD. BAR	KW, AMPS
MANUFACTURER & MODEL: FPE, 500 OR GE		

CONNECTED LOAD PER NEC ARTICLE 220-30

SPACE HEATING & AIR COOLING

a. ELECTRICAL HEAT: 65% OF NAMEPLATE RATING 2.8 KW

b. AIR COND.: 100% OF NAMEPLATE RATING 3.9 KW

LARGER OF a or b 3.9

OTHER LOAD

INDIVIDUALLY CONTROLLED HEATERS	-0-
1200 SQ FEET x 3W/SQ FEET	378.0
2 20 AMP APPLIANCE CKT. (S) 1500 W/CKT.	3000
1 LAUNDRY CKT. (S) 1500/CKT.	1500
1 HOT WATER HEATER	4500
1 DRYER	5000
1 DISHWASHER	1200
1 DISPOSAL	600
1 RANGE	12000
-0- LOADS NOT LISTED	-0-
TOTAL OTHER LOAD	31580
÷ 1000W	31.6 KW
FIRST 10 KW at 100%	8.10 KW
REMAINDER at 40%	8.7 KW
REQUIRED DEMAND LOAD (A+B+C)	22.6 KW
SERVICE CAPACITY REQUIRED:	
KW x 1000W ÷ 230 V =	98.3 AMPS

PANEL D

CONNECTED LOAD PER NEC ARTICLE 220-30

SPACE HEATING & AIR COOLING

a. ELECTRICAL HEAT: 65% OF NAMEPLATE RATING 2.5 KW

b. AIR COND.: 100% OF NAMEPLATE RATING 2.5 KW

LARGER OF a or b 2.5

OTHER LOAD

INDIVIDUALLY CONTROLLED HEATERS	-0-
640 SQ FEET x 3W/SQ FEET	1920
2 20 AMP APPLIANCE CKT. (S) 1500 W/CKT.	3000
1 LAUNDRY CKT. (S) 1500/CKT.	1500
1 HOT WATER HEATER	4500
1 DRYER	5000
1 DISHWASHER	1200
1 DISPOSAL	600
1 RANGE	12000
-0- LOADS NOT LISTED	-0-
TOTAL OTHER LOAD	29720
÷ 1000W	29.7 KW
FIRST 10 KW at 100%	10.0 KW
REMAINDER at 40%	7.9 KW
REQUIRED DEMAND LOAD (A+B+C)	20.4 KW
SERVICE CAPACITY REQUIRED:	
KW x 1000W ÷ 230 V =	88.7 AMPS

PANEL C

NOTE: ALL BREAKERS ARE 20A UNLESS SHOWN OTHERWISE. *GROUND FAULT

LIGHTS	15/1	1	2*	RECEP.	2
DETEC	10/2	3	4		2
	10/2	5	6		2
RANGE	10/2	7	8		2
	10/2	9	10		2
HEAT	3 1/2	11	12	(WASHER)	6
5700 W	3 1/2	13	14		6
A/C	20/2	15	16	3/2 EVH	7
10/2	20/2	17	18		7
10/2	20/2	19	20		7
10/2	20/2	21	22		7
		23	24		7
		25	26		7
		27	28		7
		29	30		7
		31	32		7
		33	34		7
		35	36		7
		37	38		7
		39	40		7
		41	42		7

MAIN BREAKER IC

PANEL C	120/240 VOLT, 1 PH, 3 W.	
100A MAINS	MAIN BREAKER: AMP, POLE	
24 POLES	DIMENSIONS: W, D	
<input type="checkbox"/> SURFACE MOUNTED	<input checked="" type="checkbox"/> S/N BAR	CONNECTED LOAD:
<input checked="" type="checkbox"/> FLUSH MOUNTED	<input checked="" type="checkbox"/> GRD. BAR	KW, AMPS
MANUFACTURER & MODEL: FPE, 50.0 OR GE		

B N K

BASS, NIXON & KENNEDY, INC.
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Handwritten Signature



revisions
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project
owner
ARCHITECTS
location
job number
8002-04
drawn by DB, LDW
date
NOVEMBER 1980
ELECTRICAL PLAN
UNITS 'C' AND 'D'
ISSUED FOR
CONSTRUCTION
MARCH 2, 1981

SHEET NUMBER
E-3
OF 3 SHEETS

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