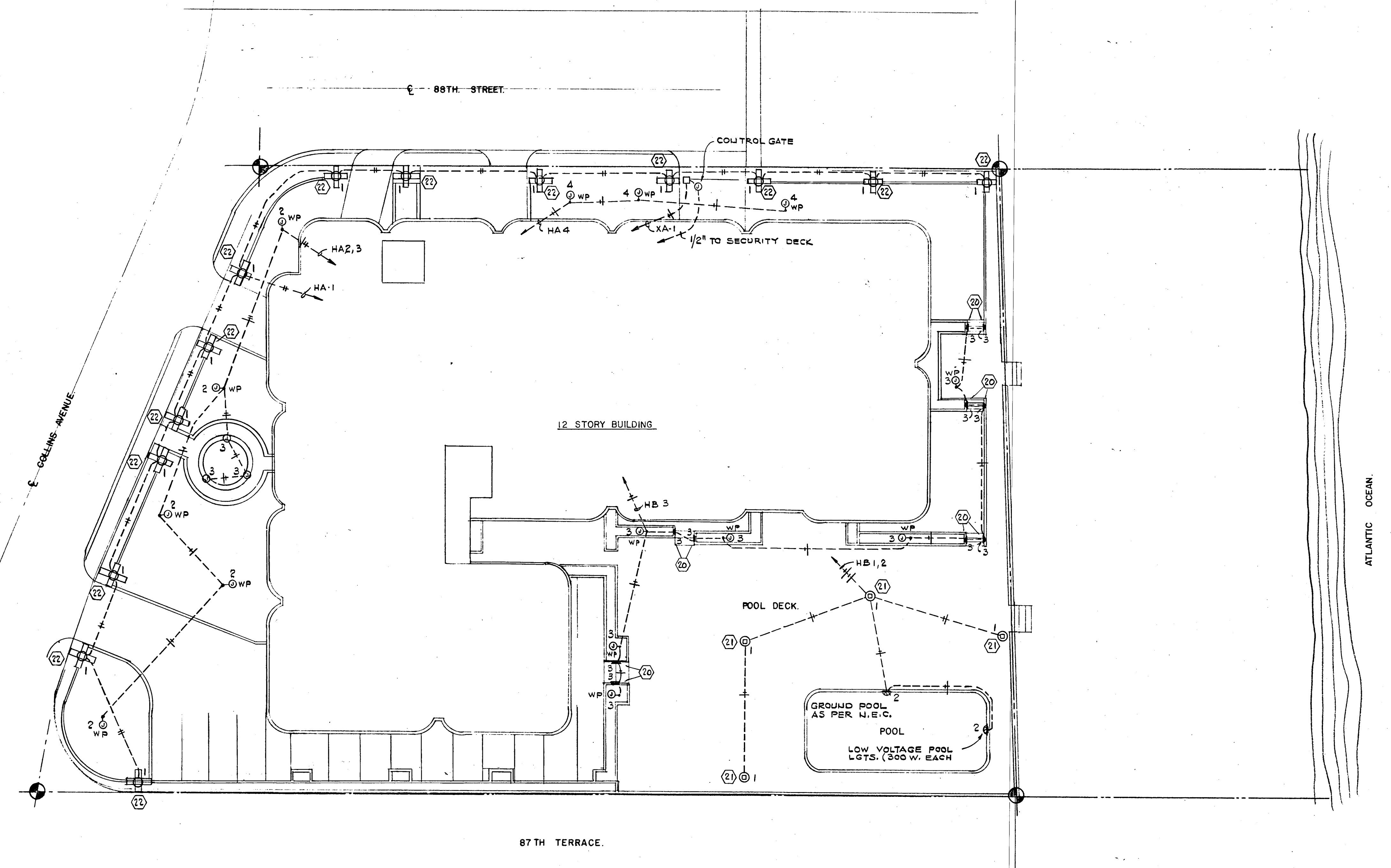
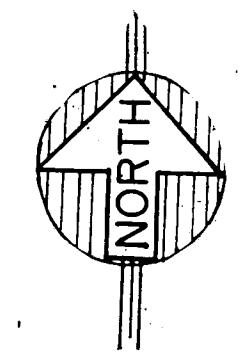


ELECTRICAL LEGEND

- 15A, 125V, DUPLEX RECEPTACLE
- 15A, 125V, DUPLEX RECEPTACLE (MOUNTED ABOVE COUNTER)
- 15A, 125V, SPLIT WIRED DUPLEX RECEPTACLE (SWITCH TOP ONLY)
- 240V, SPECIAL PURPOSE RECEPTACLE
- 15A, 125V, SPST TOGGLE SWITCH
- 15A, 125V, THREE WAY TOGGLE SWITCH
- TELEPHONE OUTLET
- TELEVISION OUTLET
- WALL MOUNTED OUTLET
- CEILING MOUNTED OUTLET
- WALL-MOUNTED JUNCTION BOX
- CEILING MOUNTED JUNCTION BOX
- FLUORESCENT STRIP
- CEILING OR WALL MOUNTED EXH. FAN (FURNISHED BY OTHERS)
- EXIT SIGN
- THERMOSTAT (SEE A/C PLANS)
- POST MOUNTED FIXTURE (POOL DECK)
- SWIMMING POOL LIGHT (GROUND AS PER N.E.C.)
- HEAT LAMP (APT. BATHROOMS)
- 120V, 20A, SPLIT WIRED DUPLEX RECEPT., FOR TWO CKTS. (APT. COMPACT DRYER AND WASHER)
- DISCONNECT SWITCH. 3 = NO. OF POLES, 30 = AMPS RATING, NF = NO FUSE
- DISCONNECT SWITCH. 3 = NO. OF POLES, 30 = AMPS RATING, 20 = FUSE SIZE
- INDICATES FIRE ALARM RISER
- INDICATES TELEPHONE RISER
- INDICATES TELEVISION RISER
- ELECTRICAL PANEL
- 120V, FLOOR DUPLEX RECEPT.
- MOTOR. NUMBER INDICATES HORSE POWER RATING.
- MOTOR STARTER (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- RECESSED FLUORESCENT FIXTURE
- FLUORESCENT FIXTURE
- RECESSED INCANDESCENT OR MERCURY VAPOR FIXTURE
- INDICATES OUTLET ON EMERGENCY CIRCUIT.
- FIRE ALARM PANEL AND AMPLIFIER IN ELECTRICAL ROOM
- FIRE ALARM AND VOICE COMMUNICATION PANEL IN SECURITY OFFICE
- FIRE ALARM PULL STATION
- FIRE ALARM SPEAKER. (RECESSED IN SLAB)
- FIRE ALARM SPEAKER. (RECESSED IN APARTMENT WALL)
- FIRE ALARM SMOKE AND HEAT DETECTOR.
- 120V, SMOKE DETECTOR INSIDE APARTMENT.
- FIRE ALARM TELEPHONE JACK
- FIRE ALARM RELAY AT ROOF PRIMARY AIR HANDLING UNIT
- FIRE ALARM FLOW AND TAMPER SWITCH (FURNISHED BY SPRINKLER CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- BELL BOX WITH 120V TOGGLE SWITCH FOR ROOF EXHAUST FAN DISCONNECT
- TELETENTRY SYSTEM PANEL
- DOOR STRIKE
- TELETENTRY SYSTEM COMPUTER UNIT
- INDICATES TYPE OF LIGHTING FIXTURE (SEE SCHEDULE)
- CONDUIT CONCEALED IN WALL OR SLAB
- CONDUIT RUN CONCEALED IN SLAB
- FIRE ALARM CONDUIT RUN
- EMERGENCY SYSTEM CONDUIT RUN
- COMBINATION HEAT LAMP AND EXHAUST FAN (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- COMBINATION EXHAUST FAN AND LIGHT (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- WEATHER PROOF



SITE PLAN
SCALE: 1"=20'



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

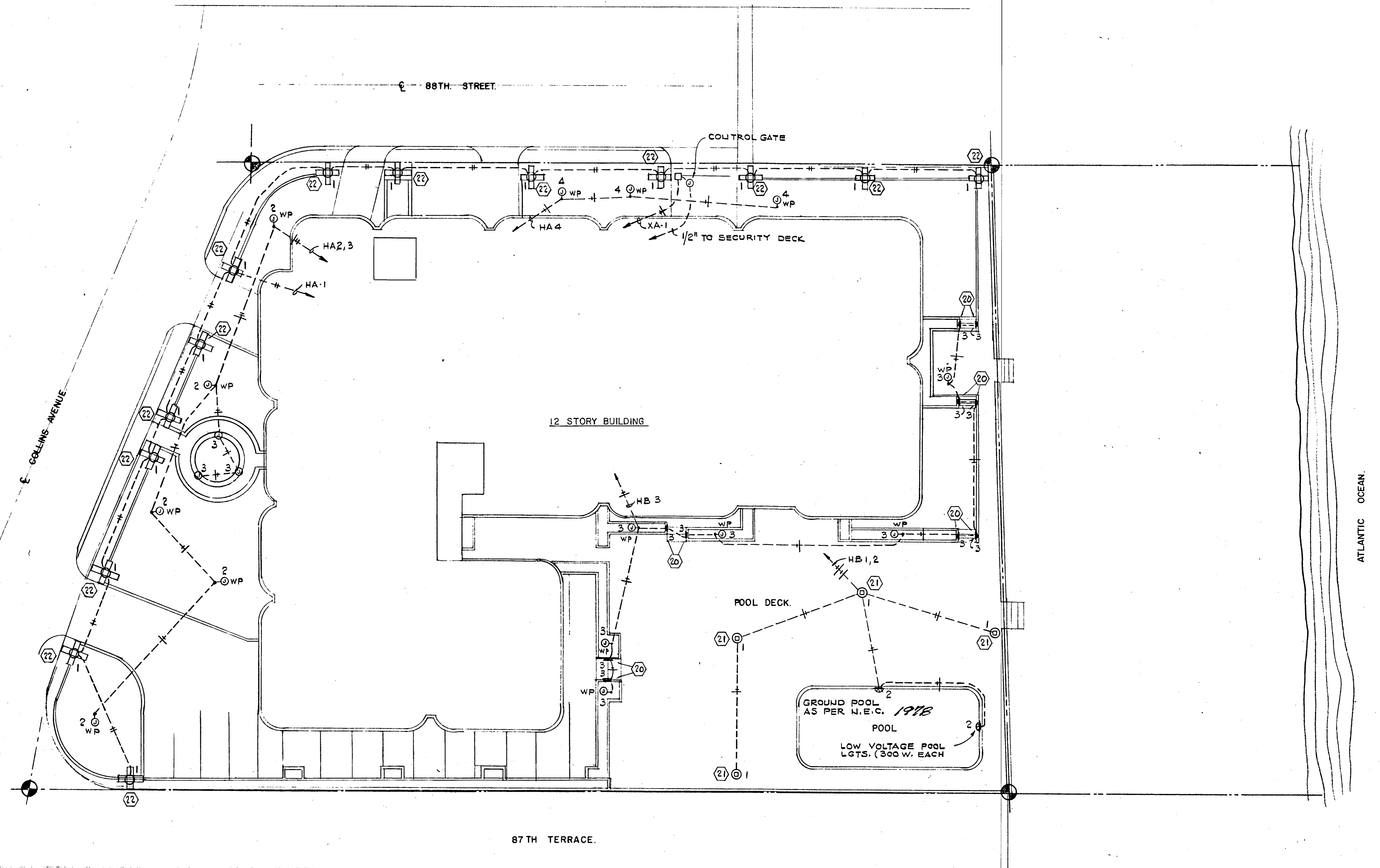
CHAMPLAIN TOWERS SOUTH
A-135 UNIT CONDOMINIUM

FLORIDA ENGINEERING SERVICES	DATE: 8-13-79	SHEET No. 11
232 NE 167 STREET MIRAGE BLDG. FLA. 33132-4732	REV.	SHEETS

Sebring Miller
8/13/79

ELECTRICAL LEGEND

- 15A, 125V, DUPLEX RECEPTACLE
- 15A, 125V, DUPLEX RECEPTACLE (MOUNTED ABOVE COUNTER)
- 15A, 125V, SPLIT WIRED DUPLEX RECEPTACLE (SWITCH TOP ONLY)
- 240V, SPECIAL PURPOSE RECEPTACLE
- 15A, 125V, SPST TOGGLE SWITCH
- 15A, 125V, THREE WAY TOGGLE SWITCH
- TELEPHONE OUTLET
- TELEVISION OUTLET
- WALL MOUNTED OUTLET
- CEILING MOUNTED OUTLET
- WALL MOUNTED JUNCTION BOX
- CEILING MOUNTED JUNCTION BOX
- FLUORESCENT STRIP
- CEILING OR WALL MOUNTED EXH. FAN (FURNISHED BY OTHERS)
- EXIT SIGN
- THERMOSTAT (SEE A/C PLANS)
- POST MOUNTED FIXTURE (POOL DECK)
- SWIMMING POOL LIGHT (GROUND AS PER N.E.C.)
- HEAT LAMP (APT. BATHROOMS)
- 120V, 20A, SPLIT WIRED DUPLEX RECEPT., FOR TWO CKTS. (APT. COMPACT DRYER AND WASHER)
- DISCONNECT SWITCH. 3 = NO. OF POLES, 30 = AMPS RATING, NF = NO FUSE
- DISCONNECT SWITCH. 3 = NO. OF POLES, 30 = AMPS RATING, 20 = FUSE SIZE
- INDICATES FIRE ALARM RISER
- INDICATES TELEPHONE RISER
- INDICATES TELEVISION RISER
- ELECTRICAL PANEL
- 120V, FLOOR DUPLEX RECEPT. (3)
- MOTOR. NUMBER INDICATES HORSE POWER RATING.
- MOTOR STARTER (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- RECESSED FLUORESCENT FIXTURE
- FLUORESCENT FIXTURE
- RECESSED INCANDESCENT OR MERCURY VAPOR FIXTURE
- INDICATES OUTLET ON EMERGENCY CIRCUIT.
- FIRE ALARM PANEL AND AMPLIFIER IN ELECTRICAL ROOM
- FIRE ALARM AND VOICE COMMUNICATION PANEL IN SECURITY OFFICE
- FIRE ALARM PULL STATION
- FIRE ALARM SPEAKER. (RECESSED IN SLAB)
- FIRE ALARM SPEAKER. (RECESSED IN APARTMENT WALL)
- FIRE ALARM SMOKE AND HEAT DETECTOR.
- 120V, SMOKE DETECTOR INSIDE APARTMENT.
- FIRE ALARM TELEPHONE JACK
- FIRE ALARM RELAY AT ROOF PRIMARY AIR HANDLING UNIT
- FIRE ALARM FLOW AND TAMPER SWITCH (FURNISHED BY SPRINKLER CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- BELL BOX WITH 120V TOGGLE SWITCH FOR ROOF EXHAUST FAN DISCONNECT
- TELETENTRY SYSTEM PANEL
- DOOR STRIKE
- TELETENTRY SYSTEM COMPUTER UNIT
- INDICATES TYPE OF LIGHTING FIXTURE (SEE SCHEDULE)
- CONDUIT CONCEALED IN WALL OR SLAB
- CONDUIT RUN CONCEALED IN SLAB
- FIRE ALARM CONDUIT RUN
- EMERGENCY SYSTEM CONDUIT RUN
- COMBINATION HEAT LAMP AND EXHAUST FAN (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- COMBINATION EXHAUST FAN AND LIGHT (FURNISHED BY OTHERS AND INSTALLED BY THE ELECTRICAL CONTRACTOR)
- WEATHER PROOF



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14th LANE
3588044

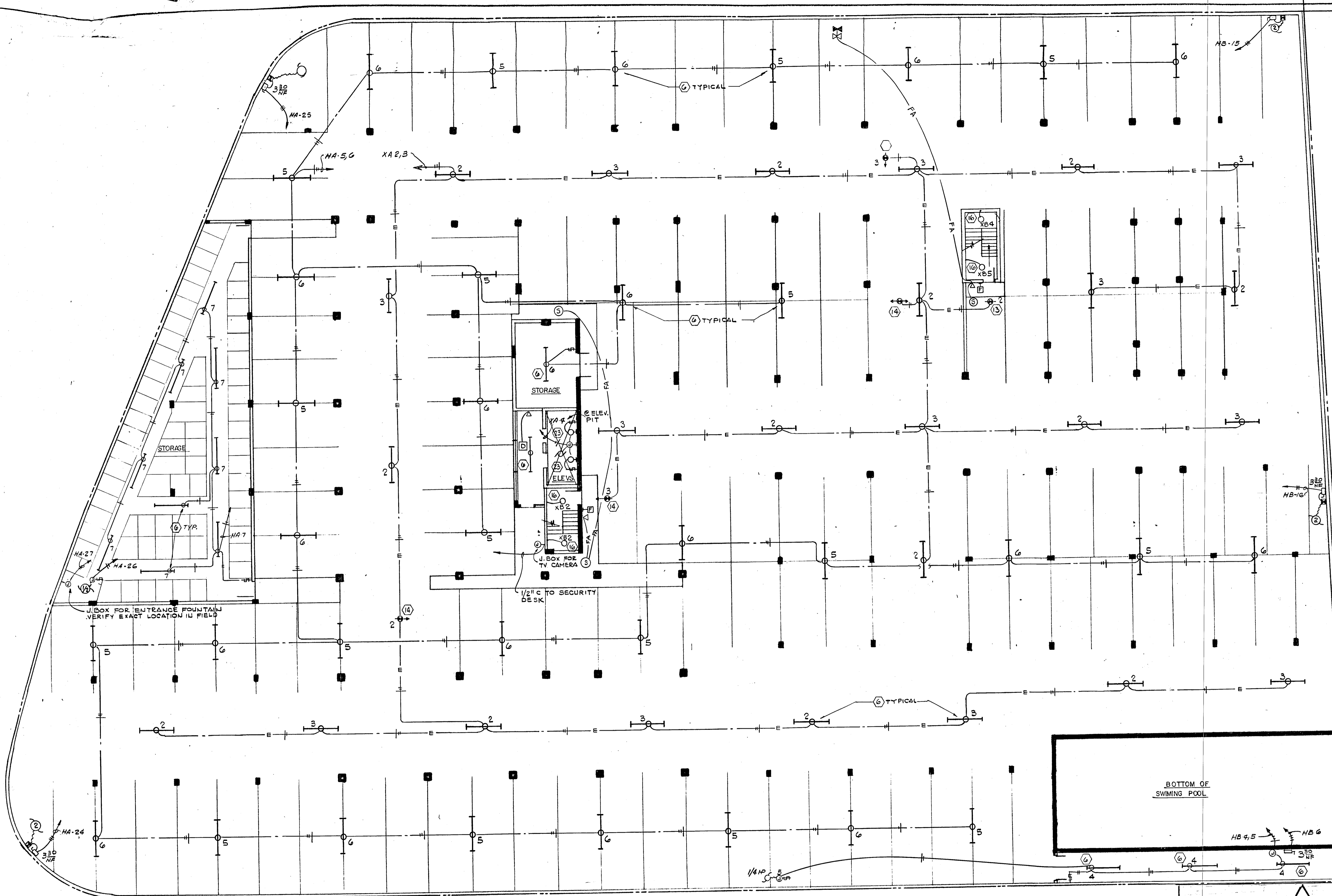
CHAMPLAIN TOWERS SOUTH

A-135 UNIT COLDOMINIUM

COMM. No.	DATE: 8-13-73	SHEET No. 11
REV.		SHEETS

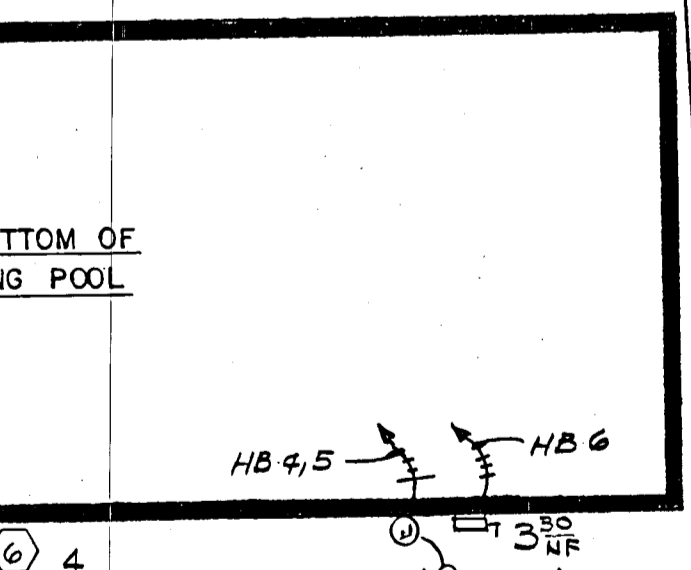
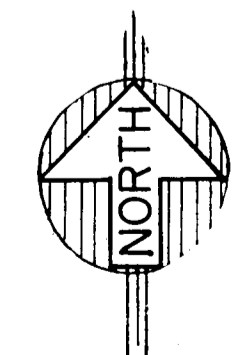
S. Lawton
8/13/73

FLORIDA ENGINEERING SERVICES
252 NE 107 STREET
SUITE 101
MIAMI, FLA. 33138



NOTE: BEFORE INSTALLING LIGHTS, THE ELECTRICAL CONTRACTOR SHALL COORDINATE W/SPRINKLER CONTRACTOR. MINIMUM DISTANCE BETWEEN LGTS. & SPRINKLER HEADS SHALL BE 1'-0".

GARAGE LEVEL-FLOOR PLAN
SCALE: 3/32"=1'-0"

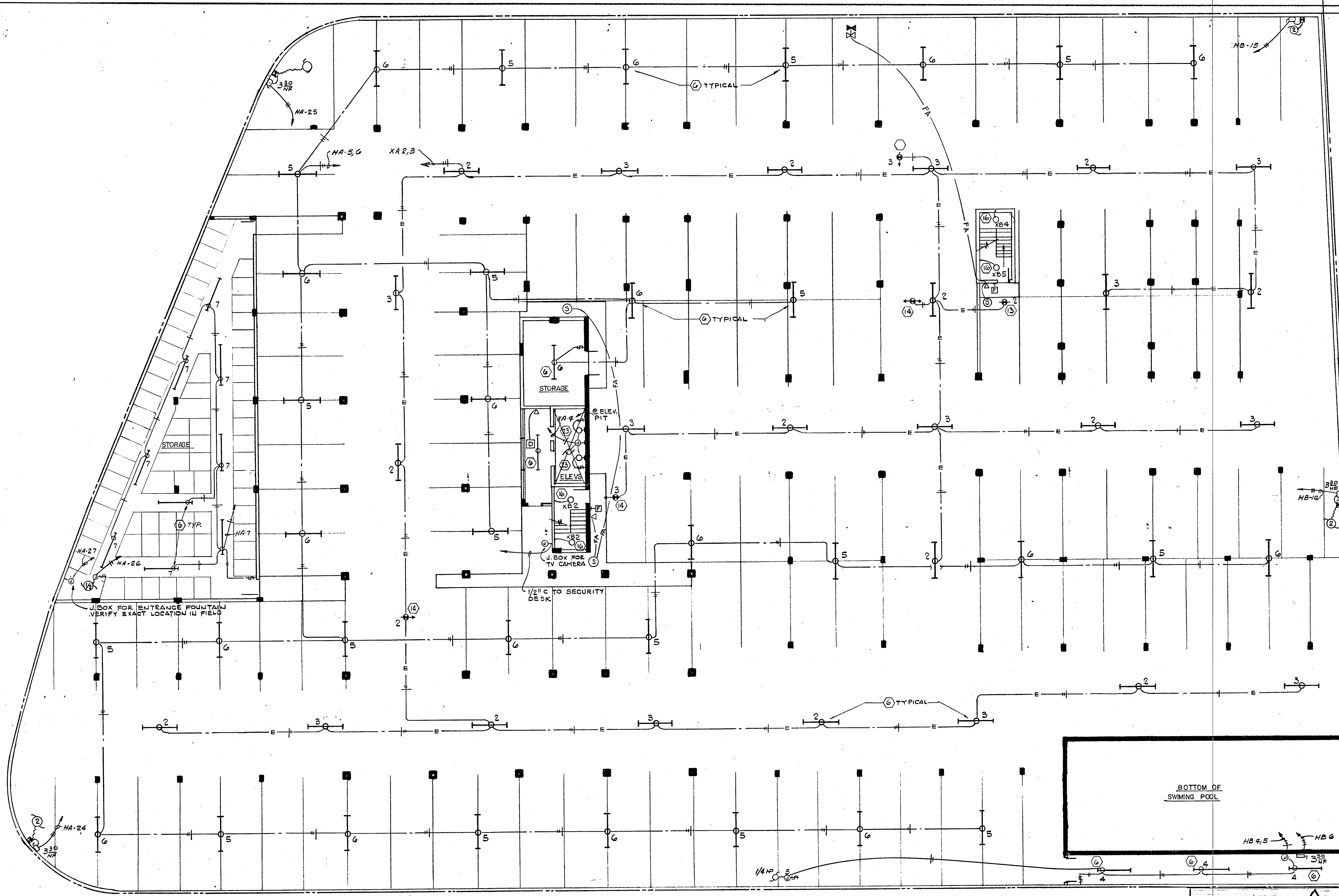


WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH
A- 135 UNIT CONDOMINIUM
COMM. No. DATE: 8-13-79 SHEET No. 11
REV. 11-2 SHEET

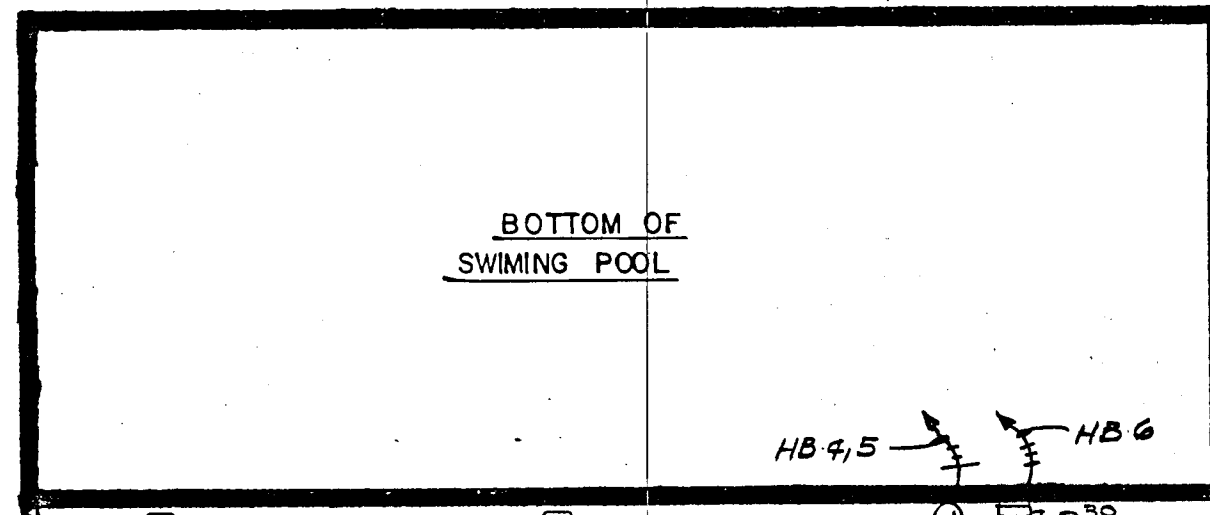
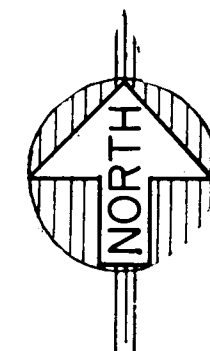
FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
MIAMI BCH, FLA 33162 945-4743

Salomon Miller
8/13/79



NOTE: BEFORE INSTALLING LIGHTS, THE ELECTRICAL CONTRACTOR SHALL COORDINATE W/SPRINKLER CONTRACTOR. MINIMUM DISTANCE BETWEEN LGTS. & SPRINKLER HEADS SHALL BE 1'-0".

GARAGE LEVEL-FLOOR PLAN
SCALE: 1/32"=1'-0"



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

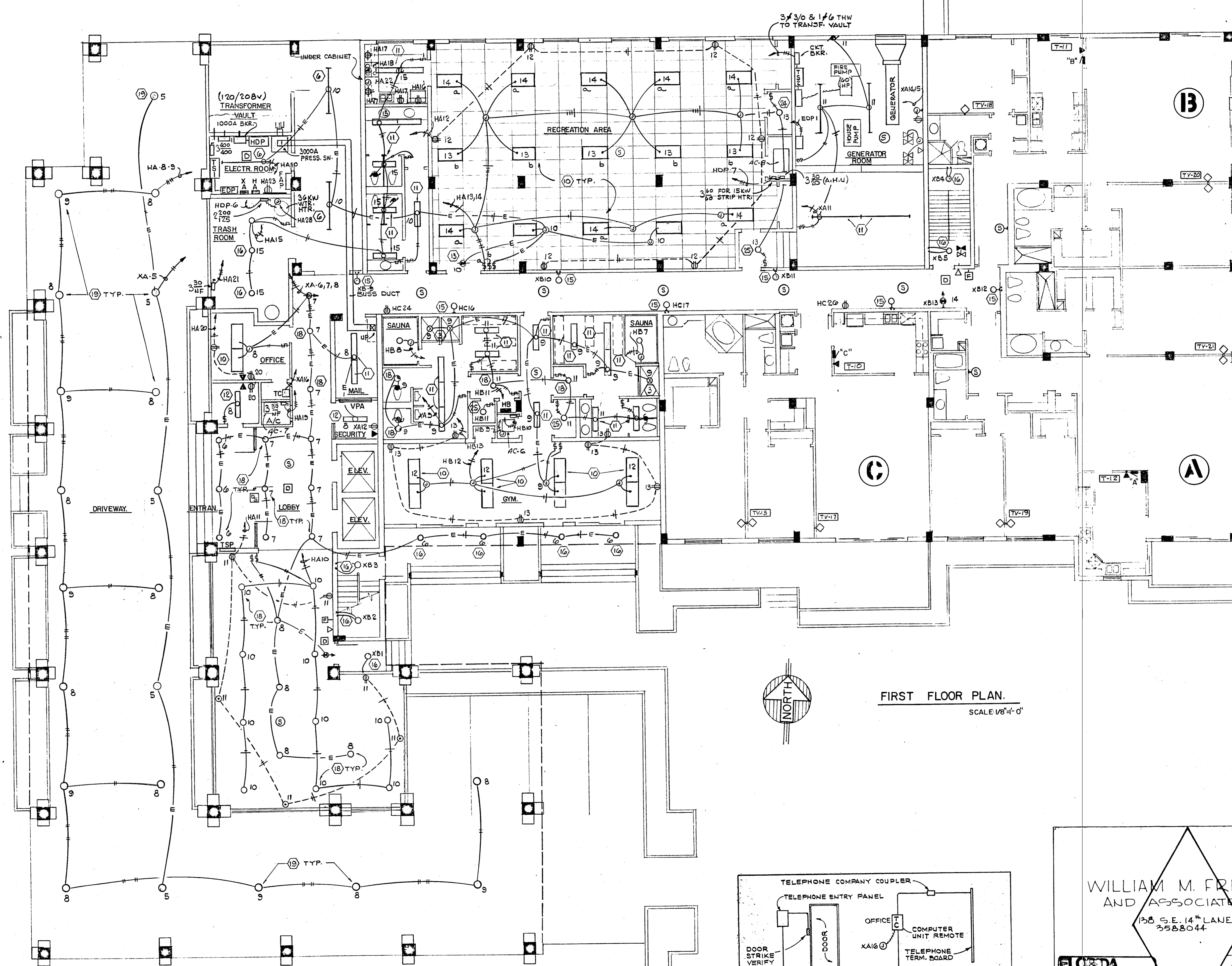
CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

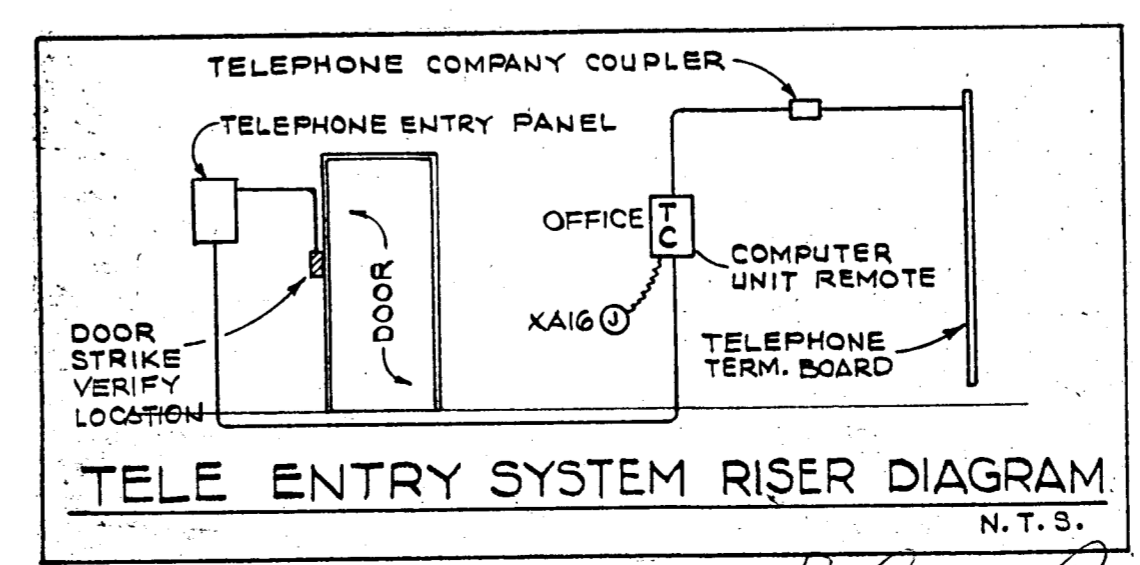
COMM. No.	DATE: 8-13-79	SHEET No. 11
REV.		

FLORIDA
ENGINEERING
SERVICES
352 N.E. 167 STREET
MIAMI, FL 33162
305-474-8423

Solomon Miller
8/13/79



FIRST FLOOR PLAN.
SCALE 1/8" = 1'-0"

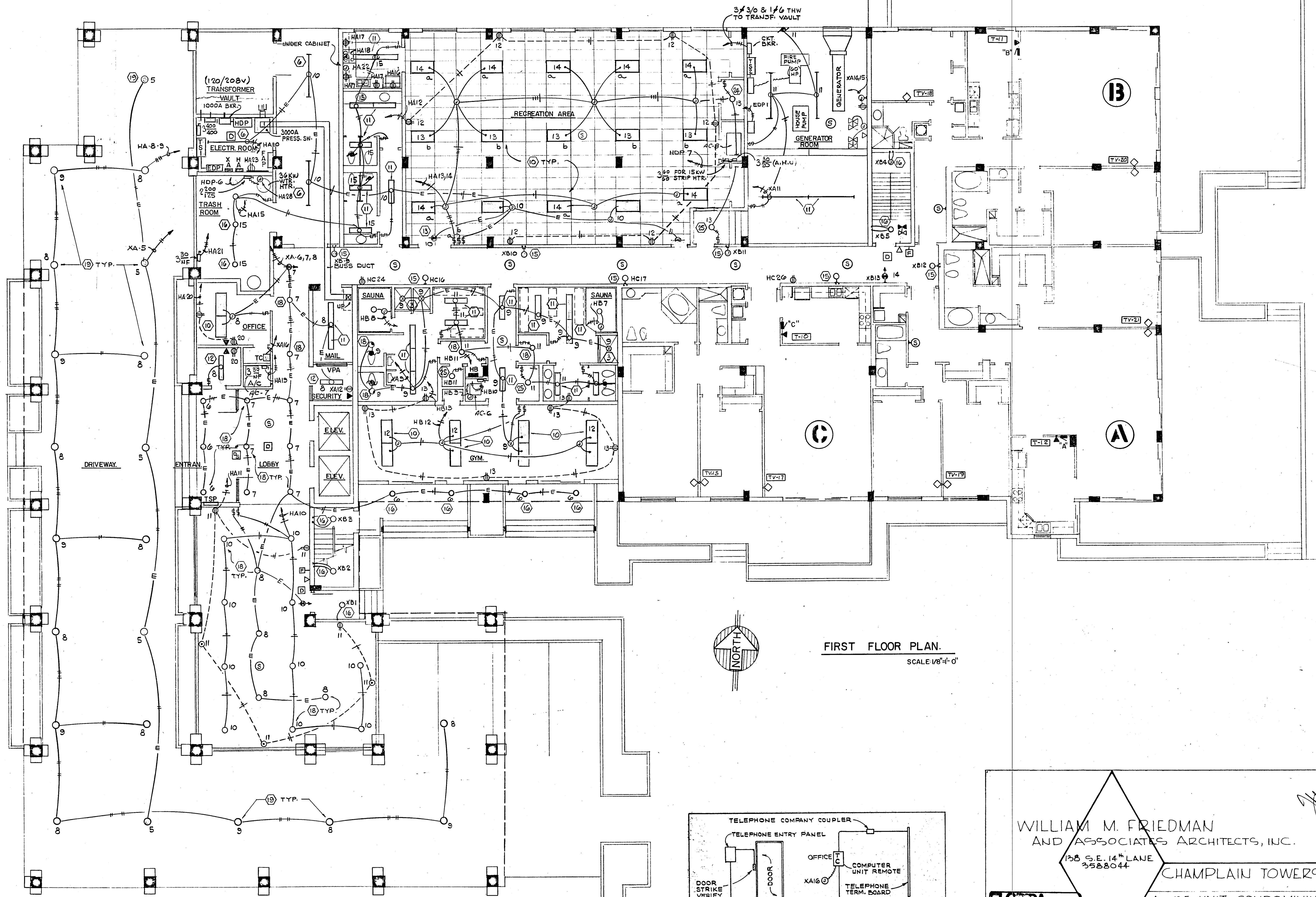


WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

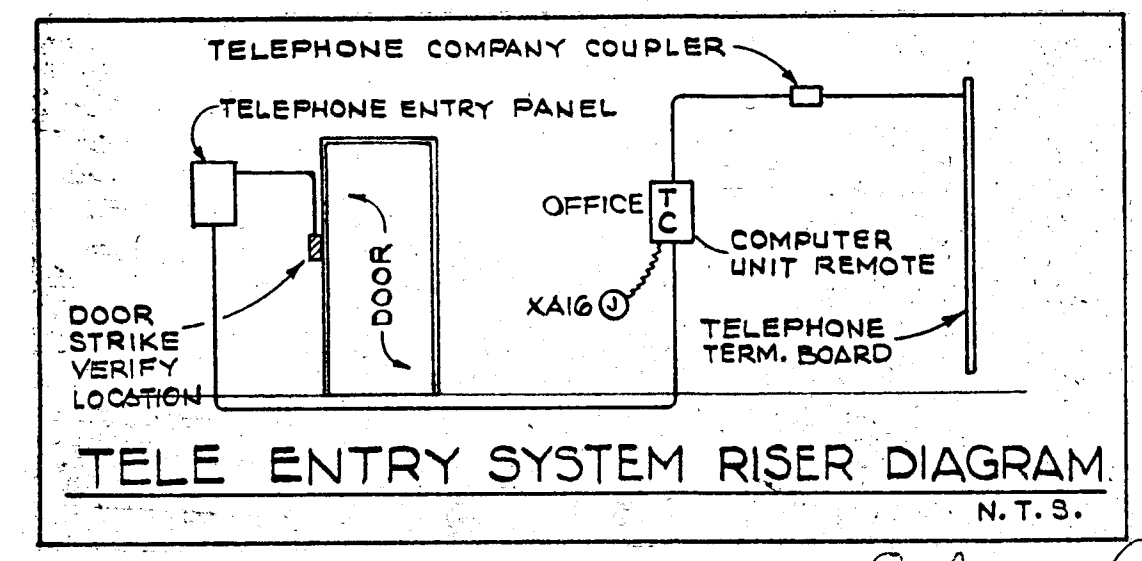
CHAMPLAIN TOWERS SOUTH
A. 135 UNIT CONDOMINIUM
COMM. No. DATE: 8-13-79 SHEET No. 11 OF 11
REV. 8/13/79

FLORIDA BOARD OF REGISTERED PROFESSIONAL ENGINEERS
1301 NE 17TH STREET
MIAMI, FLA. 33132-4700

Salomon Miller
8/13/79



FIRST FLOOR PLAN.
SCALE 1/8" = 1'-0"

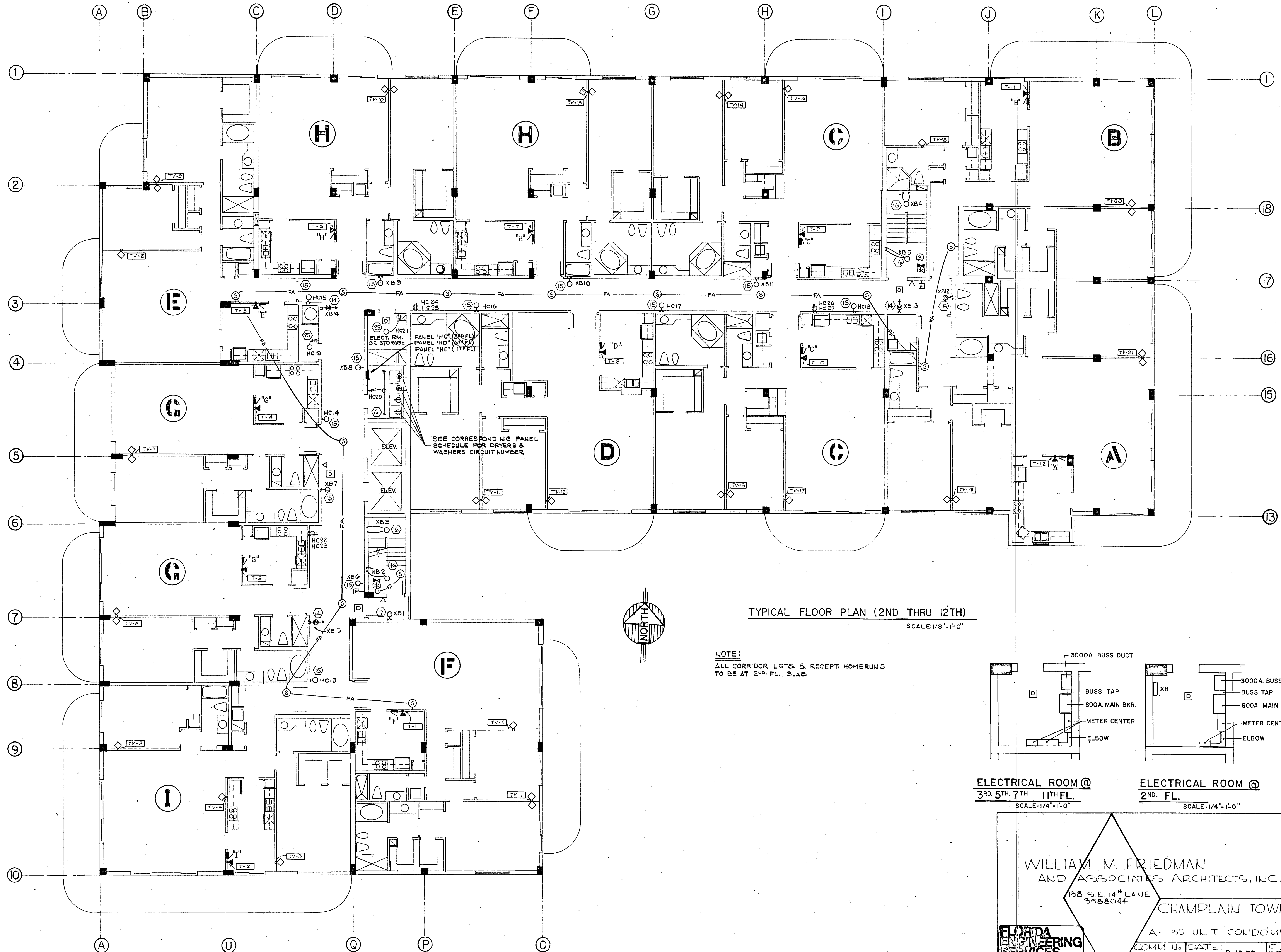


WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH
A. 135 UNIT CONDOMINIUM
COMM. NO. DATE: 8-13-79 SHEET No. 15 OF 11
REV. 8-13-79

FLORIDA REGISTERED ARCHITECTS
138 S.E. 14TH LANE
3588044

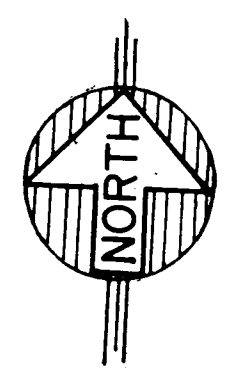
Salomon Office
8/13/79



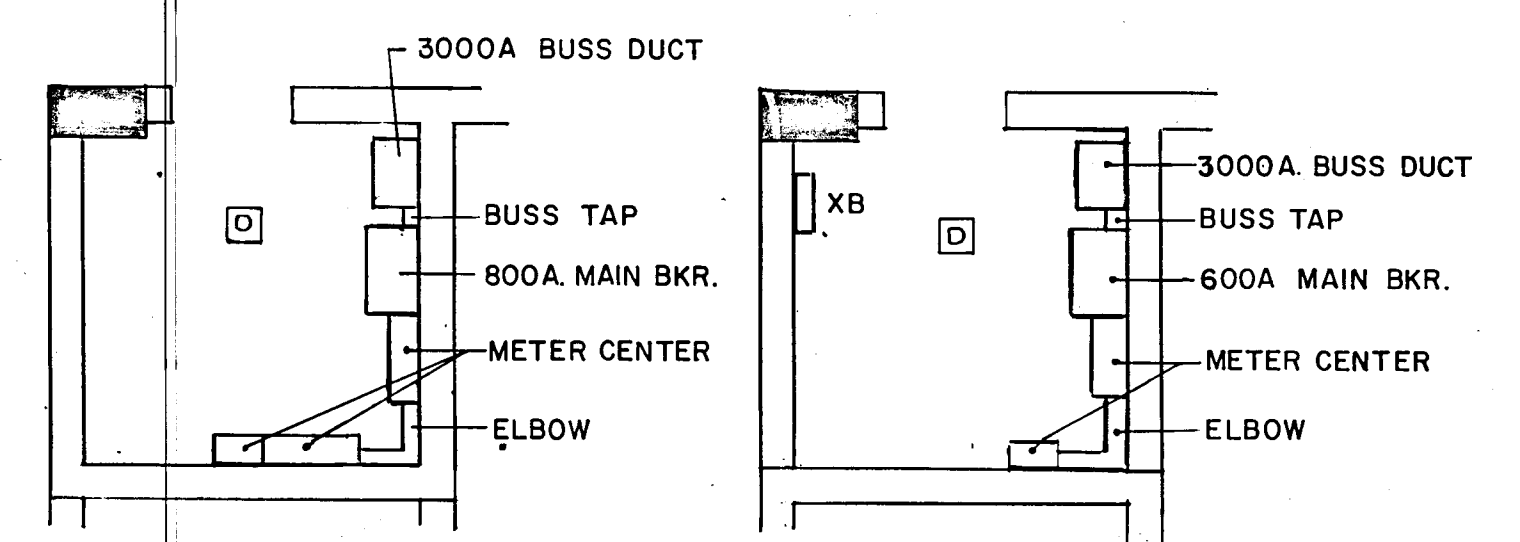
ELECT. RM. OR STORAGE
 PANEL "HC" (2ND FL.)
 PANEL "HD" (3RD FL.)
 PANEL "HE" (11TH FL.)

SEE CORRESPONDING PANEL SCHEDULE FOR DRYERS & WASHERS CIRCUIT NUMBER.

TYPICAL FLOOR PLAN (2ND THRU 12TH)
 SCALE: 1/8" = 1'-0"



NOTE:
 ALL CORRIDOR LGTS. & RECEPT. HOMERUNS
 TO BE AT 2ND FL. SLAB



ELECTRICAL ROOM @
 3RD, 5TH, 7TH, 11TH FL.
 SCALE: 1/4" = 1'-0"

ELECTRICAL ROOM @
 2ND FL.
 SCALE: 1/4" = 1'-0"

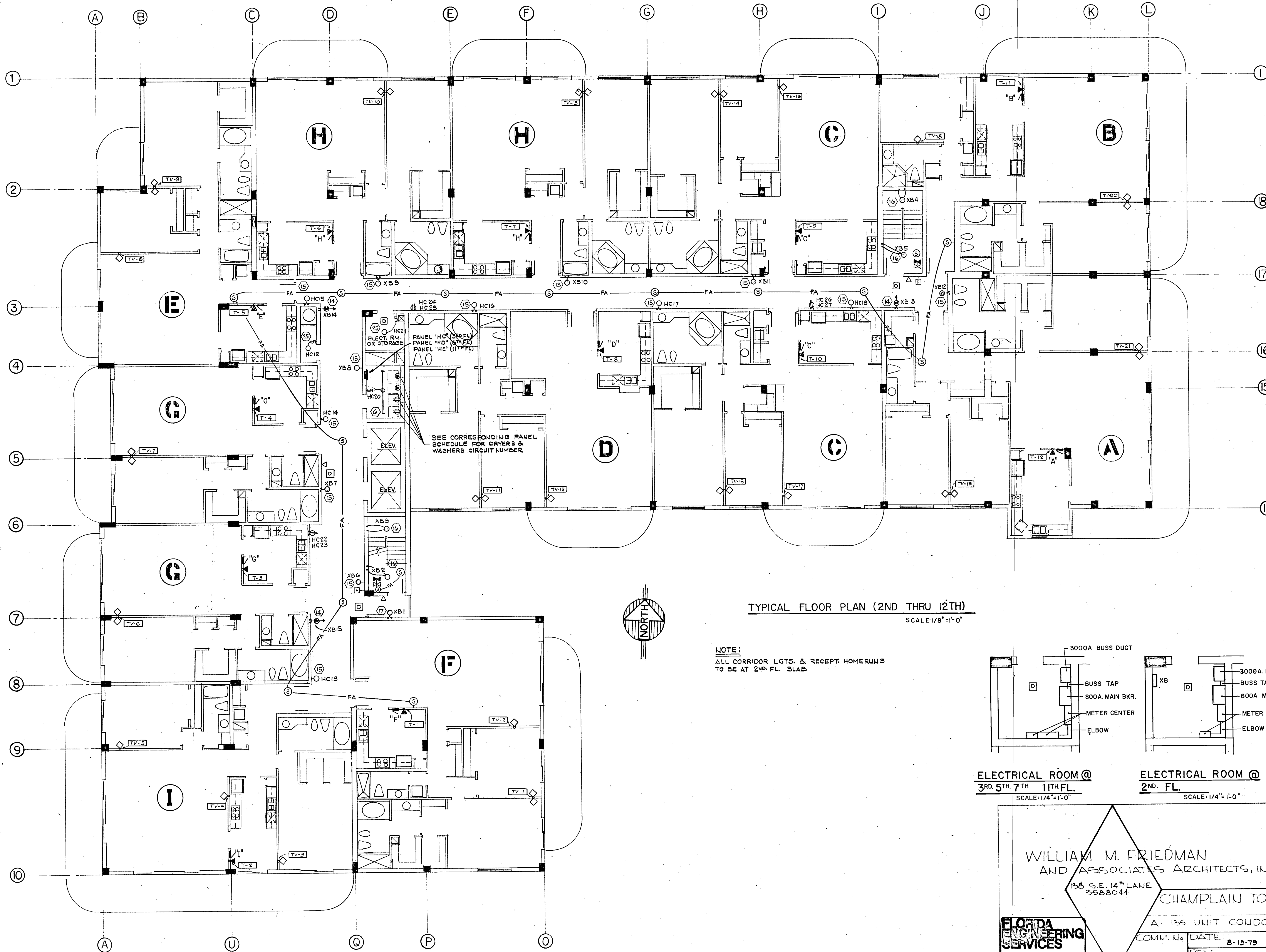
WILLIAM M. FRIEDMAN
 AND ASSOCIATES ARCHITECTS, INC.
 138 S.E. 14TH LANE
 3588044

CHAMPLAIN TOWERS 50UT

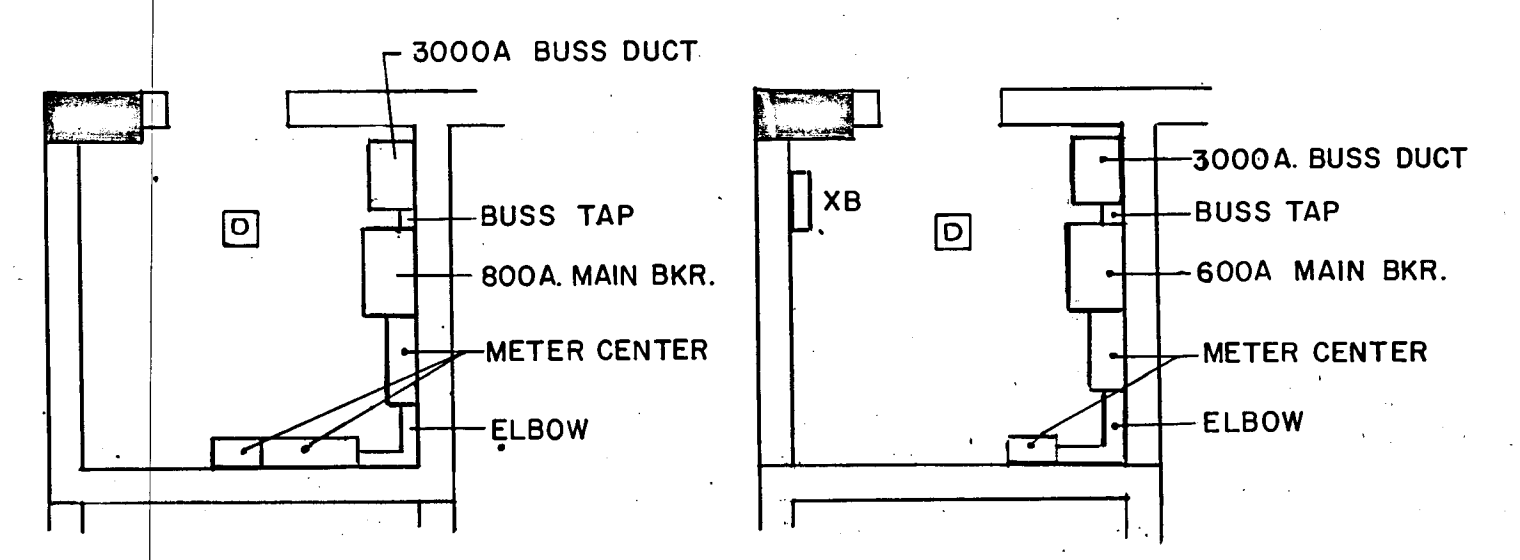
FLORIDA
 ENGINEERING
 SERVICES
 352 NE 167 STREET
 N. MIAMI BCH, FLA
 33162 945-4743

A- 135 UNIT CONDOMINIUM
 COMM. NO. DATE: 8-13-79 SHEET NO. 14 OF 11
 REV. SHEET

Salomon
 8/17/79



TYPICAL FLOOR PLAN (2ND THRU 12TH)
 SCALE: 1/8" = 1'-0"



ELECTRICAL ROOM @
 3RD, 5TH, 7TH, 11TH FL.
 SCALE: 1/4" = 1'-0"

ELECTRICAL ROOM @
 2ND FL.
 SCALE: 1/4" = 1'-0"

WILLIAM M. FRIEDMAN
 AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
 3588044

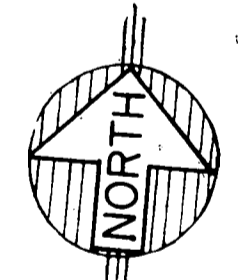
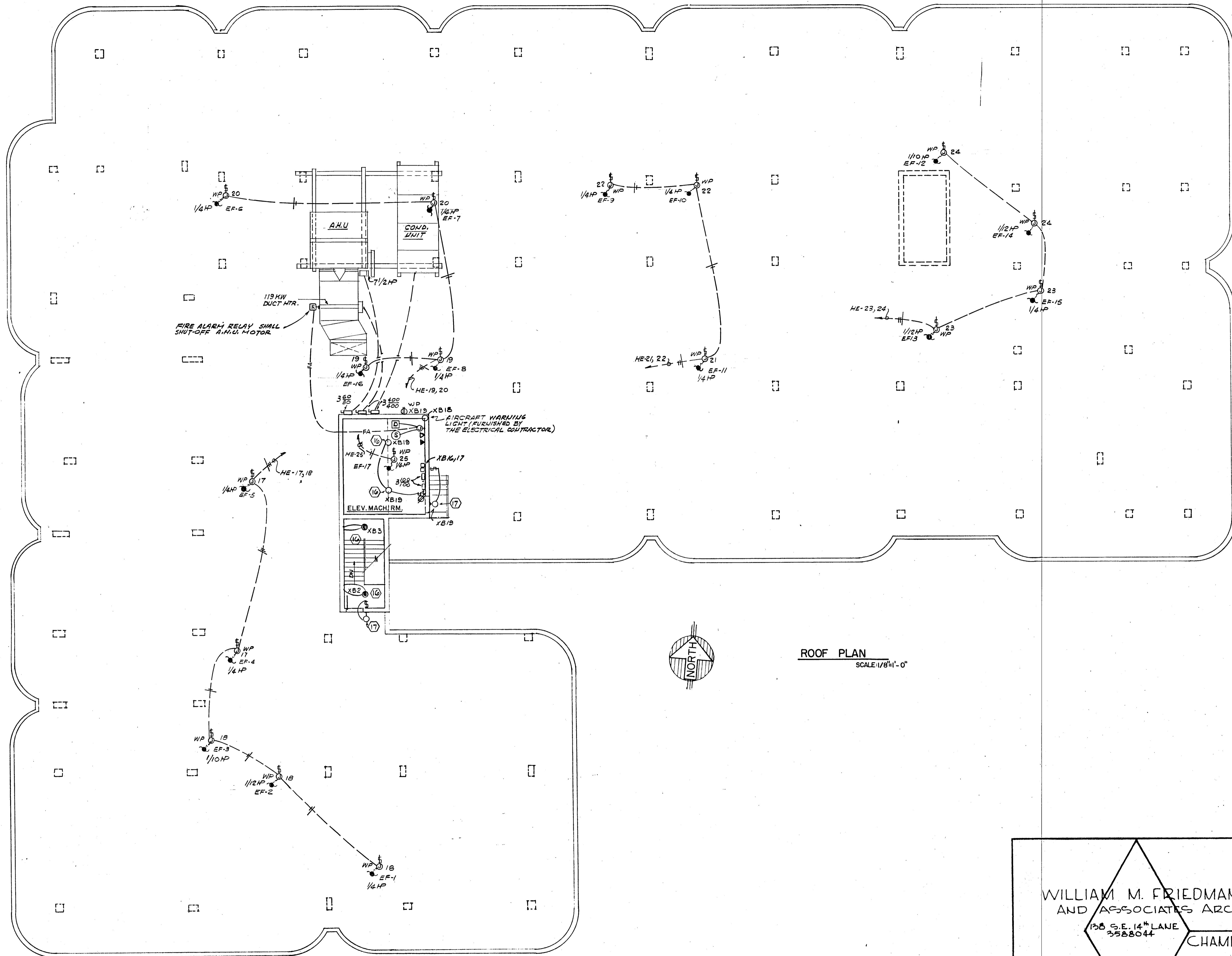
CHAMPLAIN TOWERS SOUTH

A - 135 UNIT CONDOMINIUM

COMM. NO.	DATE: 8-13-79	SHEET NO. 14 of 11
REV		SHEETS

FLORIDA
 ENGINEERING
 SERVICES
 352 NE 167 STREET
 MIAMI BEACH, FLA.
 33132 945-4743

Schwartz
 8/13/79



ROOF PLAN
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3388044

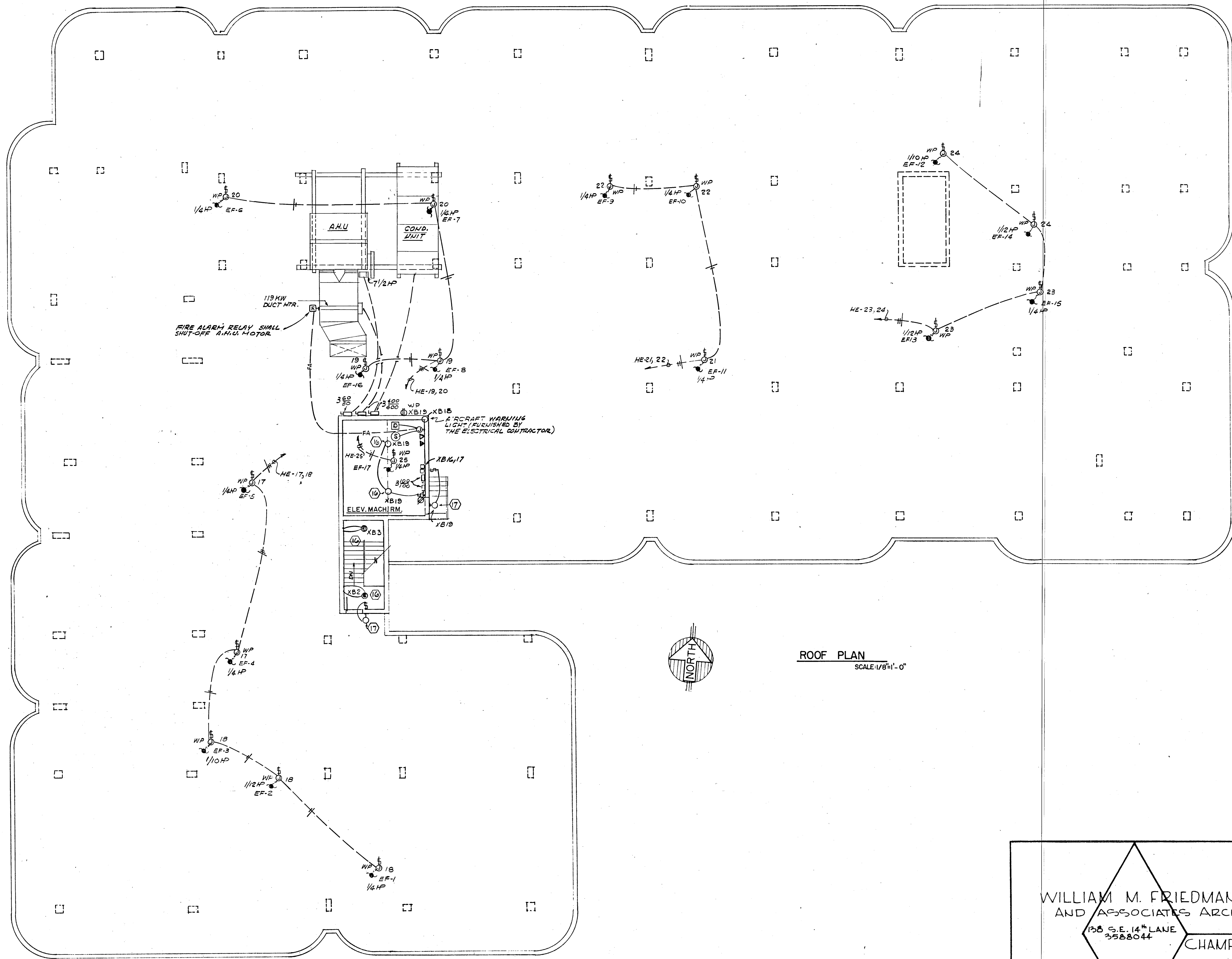
CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

COMM. No.	DATE: 8-13-79	SHEET No.
REV.		155 of 11
		SHEETS

FLORIDA ENGINEERING SERVICES
221 N.W. 1ST STREET
MIAMI, FL 33136

Salomon Milas
8/17/79



ROOF PLAN
SCALE 1/8"=1'-0"

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

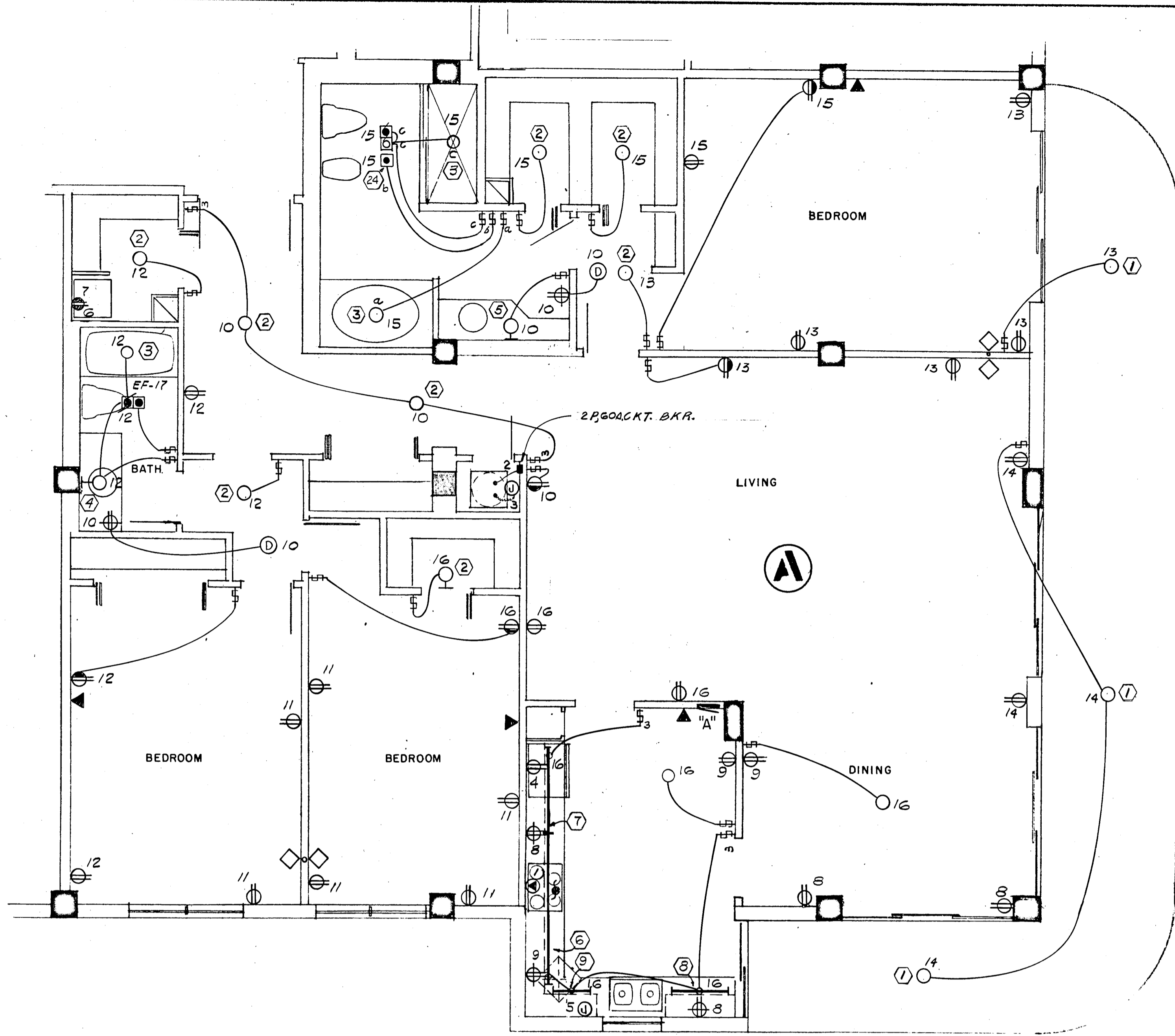
CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 15 OF 19 SHEETS

FLORIDA ENGINEERING SERVICES
23 NE 17TH STREET
MIAMI, FLORIDA 33132-4743

Salvatore



2085 SQ. FT x 3 WATTS = 6.2 KW

PANEL "A" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	LINE	NEUT.	KW
1	2-50	6	RANGE	12.0	8.4	
2	2-60	6	AIR COND. (HTR & A.H.U.)	10.9	---	
3	2-30	10	WATER HEATER	4.5	---	
4	1-20	12	REFRIGERATOR	0.7	0.7	
5			DISH WASHER	1.2	1.2	
6			DRYER (COMPACT-FUTURE)	1.8	1.8	
7			WASHER (COMPACT-FUTURE)	0.9	0.9	
8-9			SMALL APPLIANCES	3.0	3.0	
*10-16	1-15	14	LIGHTS & RECEPTACLES	6.2	6.2	

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0
 NEXT 20.3 KW @ 40% ----- 8.1
 AIR COND. (HEATING) ----- 7.4
 TOTAL KW ----- 25.5

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0
 NEXT 11.0 KW @ 35% ----- 3.8
 RANGE 12.0 KW @ 70% ----- 8.4
 TOTAL KW ----- 15.2

WATTS TO AMPS (LINE) 25,500 ÷ 208V = 122 AMPS
 WATTS TO AMPS (NEUT.) 15,200 ÷ 208V = 73 AMPS
 FEEDER: 2# 1 & 1# 4 THW CU - 1½"

• 10 KW x 65% = 6.5 KW + 0.9 KW A.H.U. = 7.4 KW

2ND THRU 11TH FLOOR

1795 SQ. FT x 3 WATTS = 5.3 KW

PANEL "B" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	LINE	NEUT.	KW
1	2-50	6	RANGE	12.0	8.4	
2	2-50	6	AIR COND. (HTR & A.H.U.)	8.2	---	
3	2-30	10	WATER HEATER	4.5	---	
4	1-20	12	REFRIGERATOR	0.7	0.7	
5			DISH WASHER	1.2	1.2	
6			DRYER (COMPACT-FUTURE)	1.8	1.8	
7			WASHER (COMPACT-FUTURE)	0.9	0.9	
8-9			SMALL APPLIANCES	3.0	3.0	
*10-15	1-15	14	LIGHTS & RECEPTACLES	5.3	5.3	

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0
 NEXT 19.4 KW @ 40% ----- 7.7
 AIR COND. (HEATING) ----- 5.5
 TOTAL KW ----- 23.2

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0
 NEXT 9.9 KW @ 35% ----- 3.4
 RANGE 12.0 KW @ 70% ----- 8.4
 TOTAL KW ----- 14.8

WATTS TO AMPS (LINE) 23,200 ÷ 208V = 111 AMPS
 WATTS TO AMPS (NEUT.) 14,800 ÷ 208V = 71 AMPS
 FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

LOBBY & 12TH FLOOR

1795 SQ. FT x 3 WATTS = 5.3 KW

PANEL "B" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	LINE	NEUT.	KW
1	2-50	6	RANGE	12.0	8.4	
2	2-60	6	AIR COND.	10.9	---	
3	2-30	10	WATER HEATER	4.5	---	
4	1-20	12	REFRIGERATOR	0.7	0.7	
5			DISH WASHER	1.2	1.2	
6			DRYER (COMPACT-FUTURE)	1.8	1.8	
7			WASHER (COMPACT-FUTURE)	0.9	0.9	
8-9			SMALL APPLIANCES	3.0	3.0	
*10-15	1-15	14	LIGHTS & RECEPTACLES	6.2	6.2	

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

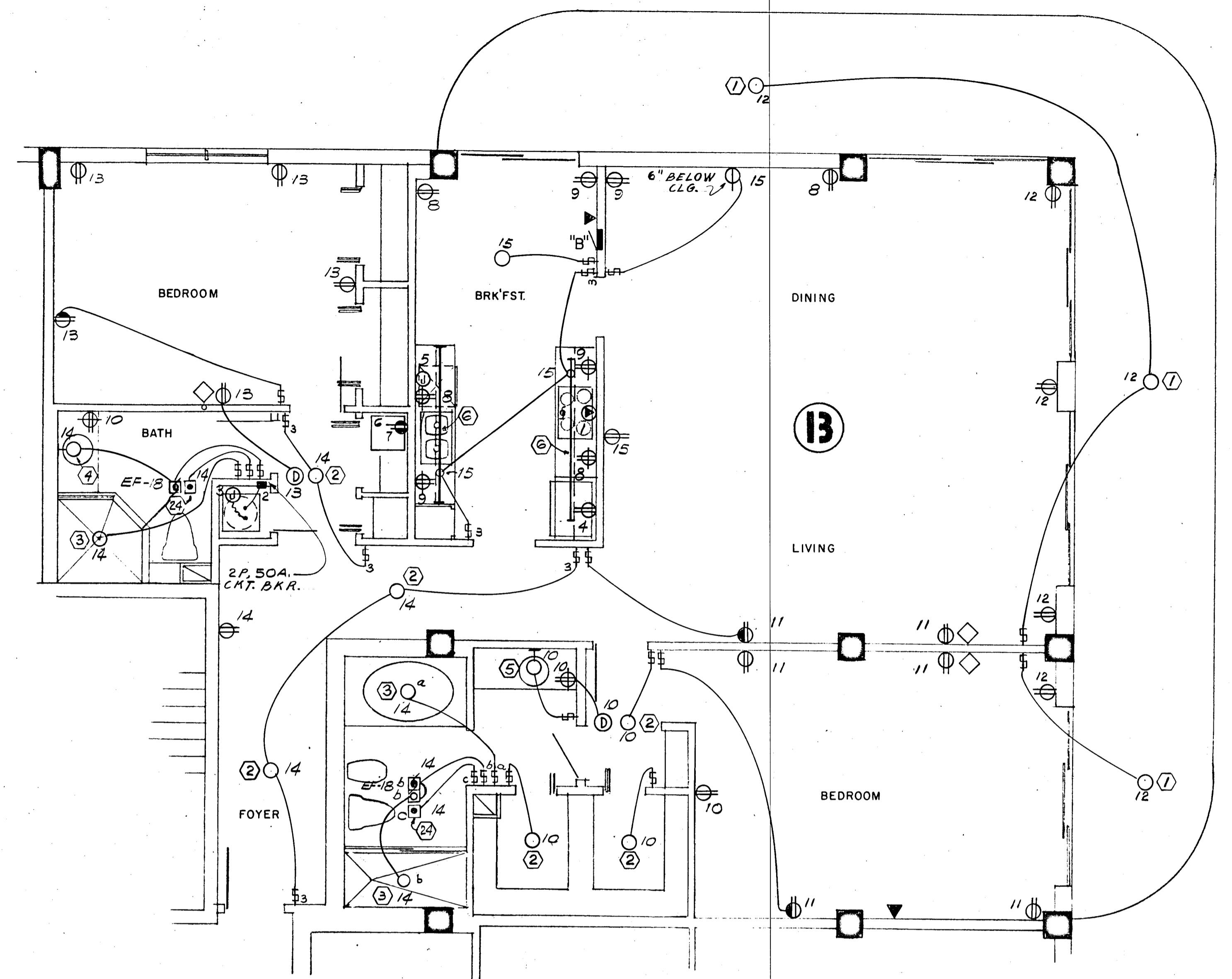
FIRST 10.0 KW @ 100% ----- 10.0
 NEXT 19.4 KW @ 40% ----- 7.7
 AIR COND. (HEATING) ----- 7.4
 TOTAL KW ----- 25.1

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0
 NEXT 9.9 KW @ 35% ----- 3.4
 RANGE 12.0 KW @ 70% ----- 8.4
 TOTAL KW ----- 14.8

WATTS TO AMPS (LINE) 25,100 ÷ 208V = 120 AMPS
 WATTS TO AMPS (NEUT.) 14,800 ÷ 208V = 71 AMPS
 FEEDER: 2# 1 & 1# 4 THW CU - 1½"

• 10 KW x 65% = 6.5 KW + 0.9 KW A.H.U. = 7.4 KW



WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC.
 138 S.E. 14TH LANE
 3388044

CHAMPLAIN TOWERS SOUTH

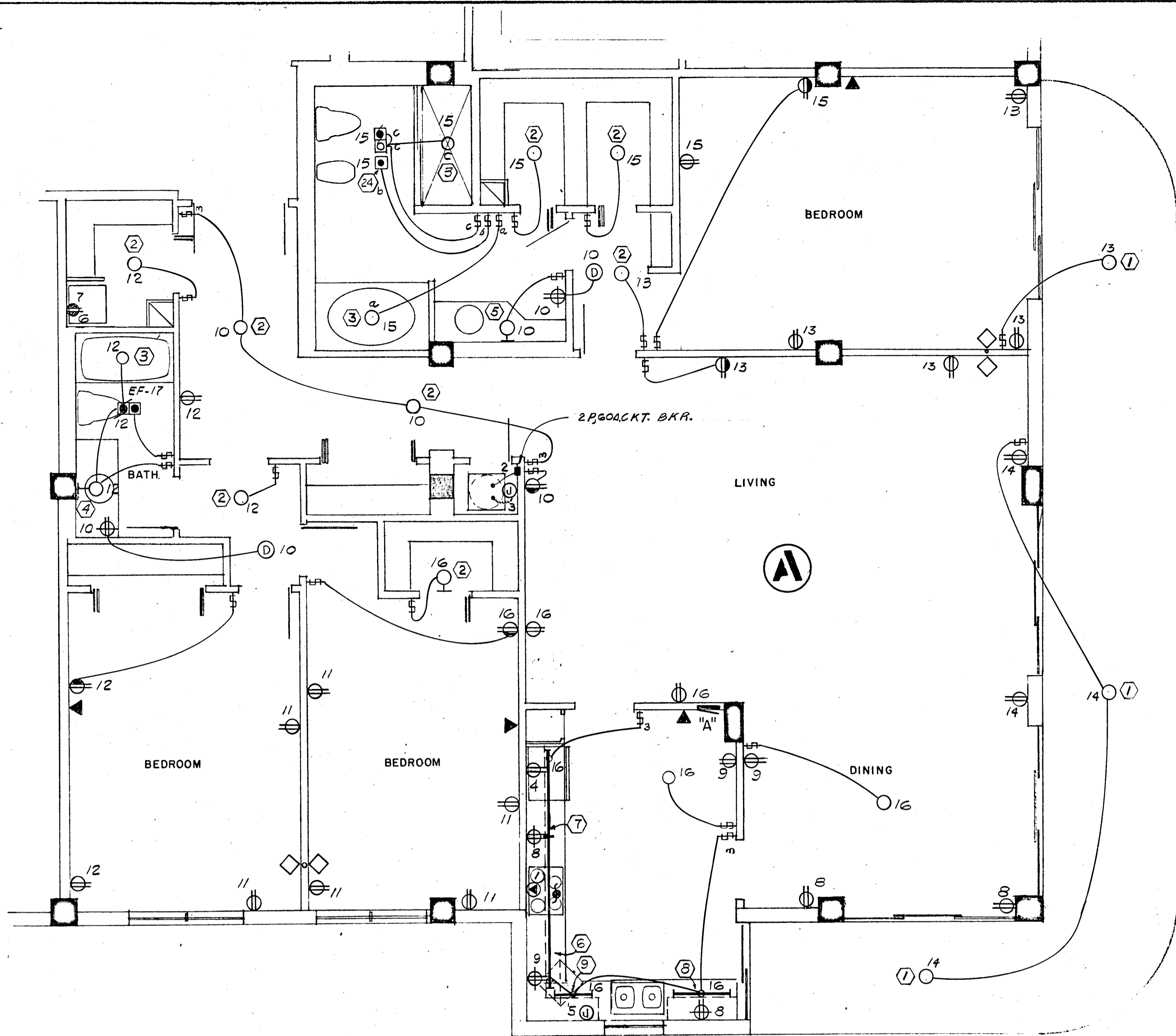
A-135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 16 of 11

REV. SHEETS

FLORIDA ENGINEERING SERVICES
 352 NE 167 STREET
 MIAMI BCH, FLA 33132
 945-4743

Selwyn Miller 8/13/79



2085 SQ. FT x 3 WATTS = 6.2 KW

18 3W 120/208V 125A, M.L.O.
FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-60	6	AIR COND. (HTR & A.H.U.)	10.9	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-16	1-15	14	LIGHTS & RECEPTACLES	6.2	6.2

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100%	10.0
NEXT 20.3 KW @ 40%	8.1
AIR COND. (HEATING)	7.4
TOTAL KW	25.5

NEUTRAL

FIRST 3.0 KW @ 100%	3.0
NEXT 11.0 KW @ 35%	3.8
RANGE 12.0 KW @ 70%	8.4
TOTAL KW	15.2

WATTS TO AMPS (LINE) 25,500 ÷ 208V = 122 AMPS
WATTS TO AMPS (NEUT.) 15,200 ÷ 208V = 73 AMPS
FEEDER: 2# 1 & 1# 4 THW CU - 1 1/2"

• 10 KW x 65% = 6.5 KW + 0.9 KW A.H.U. = 7.4 KW

2ND THRU 11TH FLOOR

1795 SQ. FT x 3 WATTS = 5.3 KW

18 3W 120/208V 125A, M.L.O.
FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND. (HTR & A.H.U.)	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-15	1-15	14	LIGHTS & RECEPTACLES	5.3	5.3

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100%	10.0
NEXT 19.4 KW @ 40%	7.7
AIR COND. (HEATING)	5.5
TOTAL KW	23.2

NEUTRAL

FIRST 3.0 KW @ 100%	3.0
NEXT 9.9 KW @ 35%	3.4
RANGE 12.0 KW @ 70%	8.4
TOTAL KW	14.8

WATTS TO AMPS (LINE) 23,200 ÷ 208V = 111 AMPS
WATTS TO AMPS (NEUT.) 14,800 ÷ 208V = 71 AMPS
FEEDER: 2# 1 & 1# 4 THW CU - 1 1/2"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

LOBBY & 12TH FLOOR

1795 SQ. FT x 3 WATTS = 5.3 KW

18 3W 120/208V 125A, M.L.O.
FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-60	6	AIR COND.	10.9	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-15	1-15	14	LIGHTS & RECEPTACLES	6.2	6.2

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

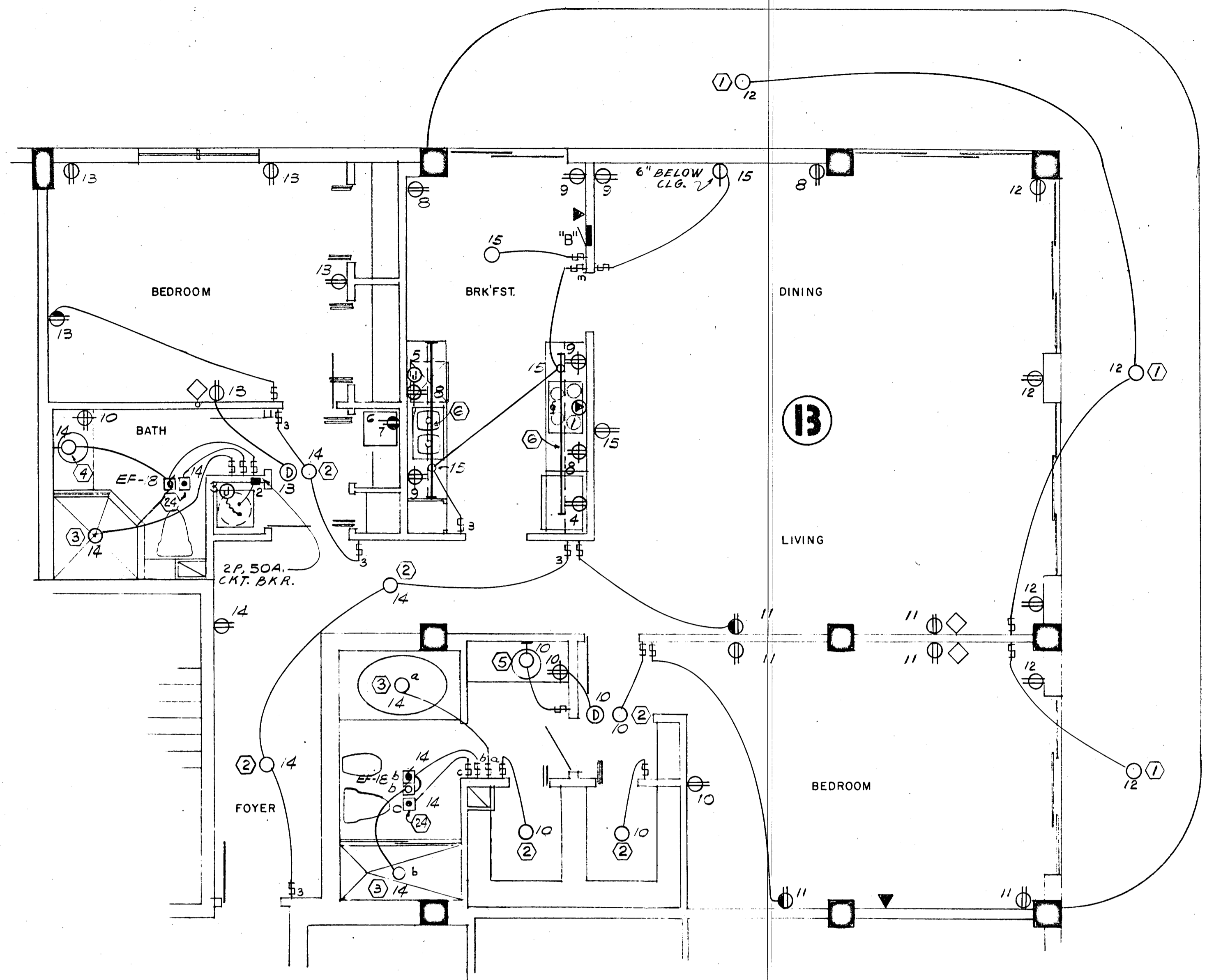
FIRST 10.0 KW @ 100%	10.0
NEXT 19.4 KW @ 40%	7.7
AIR COND. (HEATING)	7.4
TOTAL KW	25.1

NEUTRAL

FIRST 3.0 KW @ 100%	3.0
NEXT 9.9 KW @ 35%	3.4
RANGE 12.0 KW @ 70%	8.4
TOTAL KW	14.8

WATTS TO AMPS (LINE) 25,100 ÷ 208V = 120 AMPS
WATTS TO AMPS (NEUT.) 14,800 ÷ 208V = 71 AMPS
FEEDER: 2# 1 & 1# 4 THW CU - 1 1/2"

• 10 KW x 65% = 6.5 KW + 0.9 KW A.H.U. = 7.4 KW



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3558044

CHAMPLAIN TOWERS SOUTH

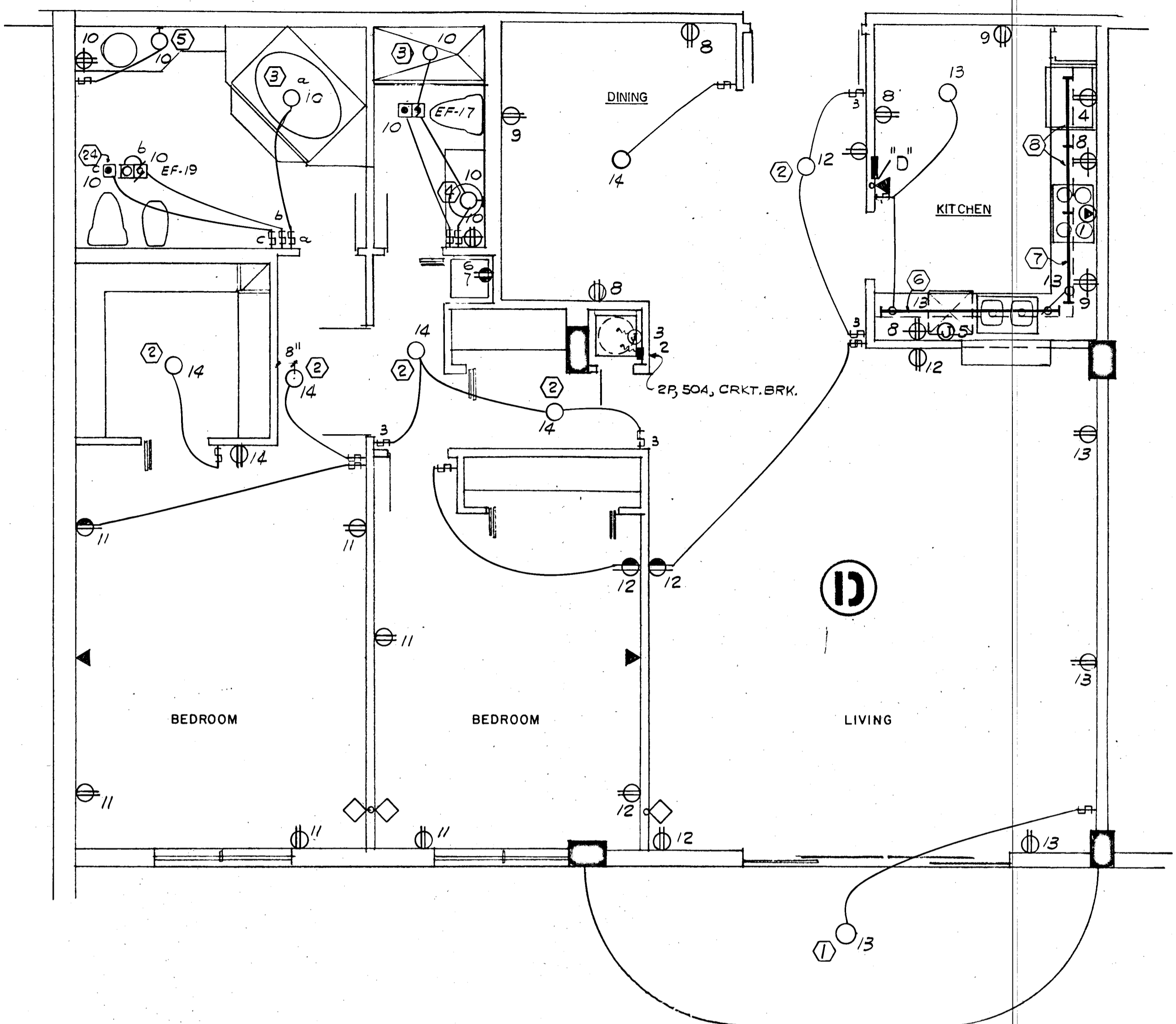
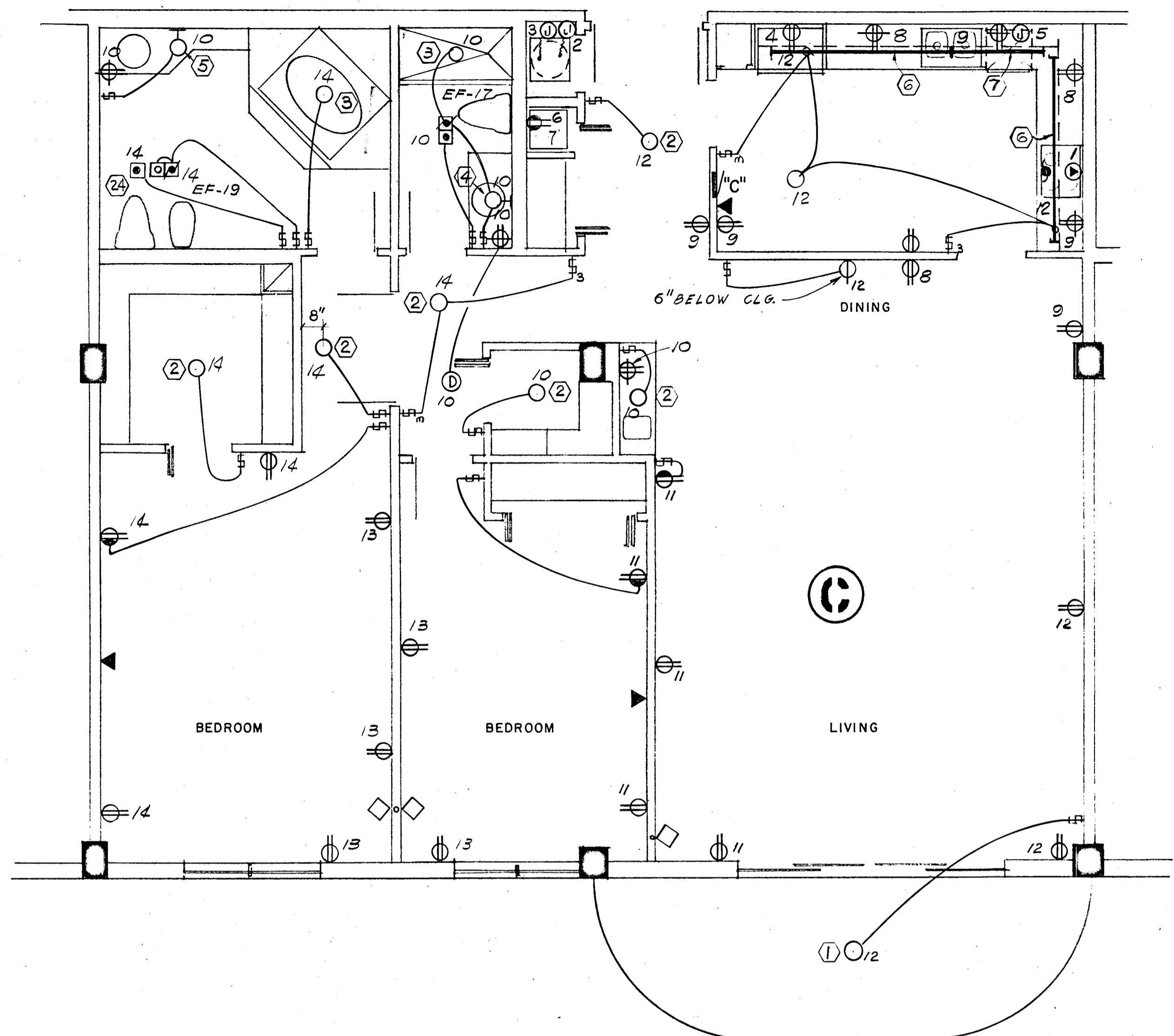
A-135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 15 of 11

REV. SHEETS

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
MIAMI BCH, FLA 33132
945-4743

Selena Miller
8/13/79



1700 SQ. FT x 3 WATTS = 5.1 KW

PANEL "C" & "D" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND. (HTR & A.H.U.)	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-14	1-15	14	LIGHTS & RECEPTACLES	5.1	5.1

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 19.2 KW @ 40% ----- 7.6

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 23.1

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.4 KW @ 35% ----- 3.3

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.7

WATTS TO AMPS (LINE) 23,100 - 208V = 111 AMPS

WATTS TO AMPS (NEUT.) 14,700 - 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1 1/2"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

LIGHTING FIXTURE SCHEDULE

NO	MANUFACT.	CAT. NO.	LAMPS		VOLTAGE	MOUNTING	REMARKS	NO	MANUFACT.	CAT. NO.	LAMPS		VOLTAGE	MOUNTING	REMARKS
			NO	TYPE							NO	TYPE			
1	PRESCOLITE	9446	1	75WA19	120	SURFACE		17	MARKSTONE	761	1	75WA19		WALL	
2	MARKSTONE	1810	2	60WA19		SURFACE		18	KURT VERSEN	A7140	1	100WA19		RECESSED	
3	PROGRESS	P9610	1	60WA19		RECESSED		19	KURT VERSEN	R720-100208	1	E231 MERC. VAPOR	208	RECESSED	
4	PRESCOLITE	9320-8	8	25G16 1/2 C/W		WALL		20	KURT VERSEN	W4520	1	40WT-101F	120	RECESSED STEP LIGHT	
5	PRESCOLITE	9320-10	10	25G16 1/2 C/W		WALL		21	STONCO	DLL-2	1	150WA21	120	ON 10'-0" STEEL POLE	PROVIDE PRECAST CONCRETE BASE
6	LITHONIA	8TS140HRS	2	F40CW		SURFACE		22	STONCO	OLA18-101MM	1	100W MERC. VAPOR	208	ON 2'-0" 3" OD PIPE	
7		S140HRS	1	F40CW				23	STONCO	VCXL-116C	1	75WA19	120	ELEV. PLT WALL	
8		S130HRS	1	F30CW				24	HUTONE	9410	1	250WR/40	120	RECESSED	
9		S120TS	1	F20T12				25	LEVITTON	PORCELAIN RECEPT.	1	60WA19	120	SURFACE	
10		2G440A12	4	F40CW		RECESSED									
11		F OR G240A12	2	F40CW		RECESSED	VERIFY TYPE OF CEILING BEFORE PURCHASING OF FIXTURES.								
12		SC240A	2	F40CW		SURFACE									
13		ES1R	2	25W		SURFACE									
14		ES2R	2	25W		SURFACE									
15	PRESCOLITE	4085	1	75WA19		WALL									
16	MARKSTONE	751	1	75WA19		SURFACE									

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE 3588044

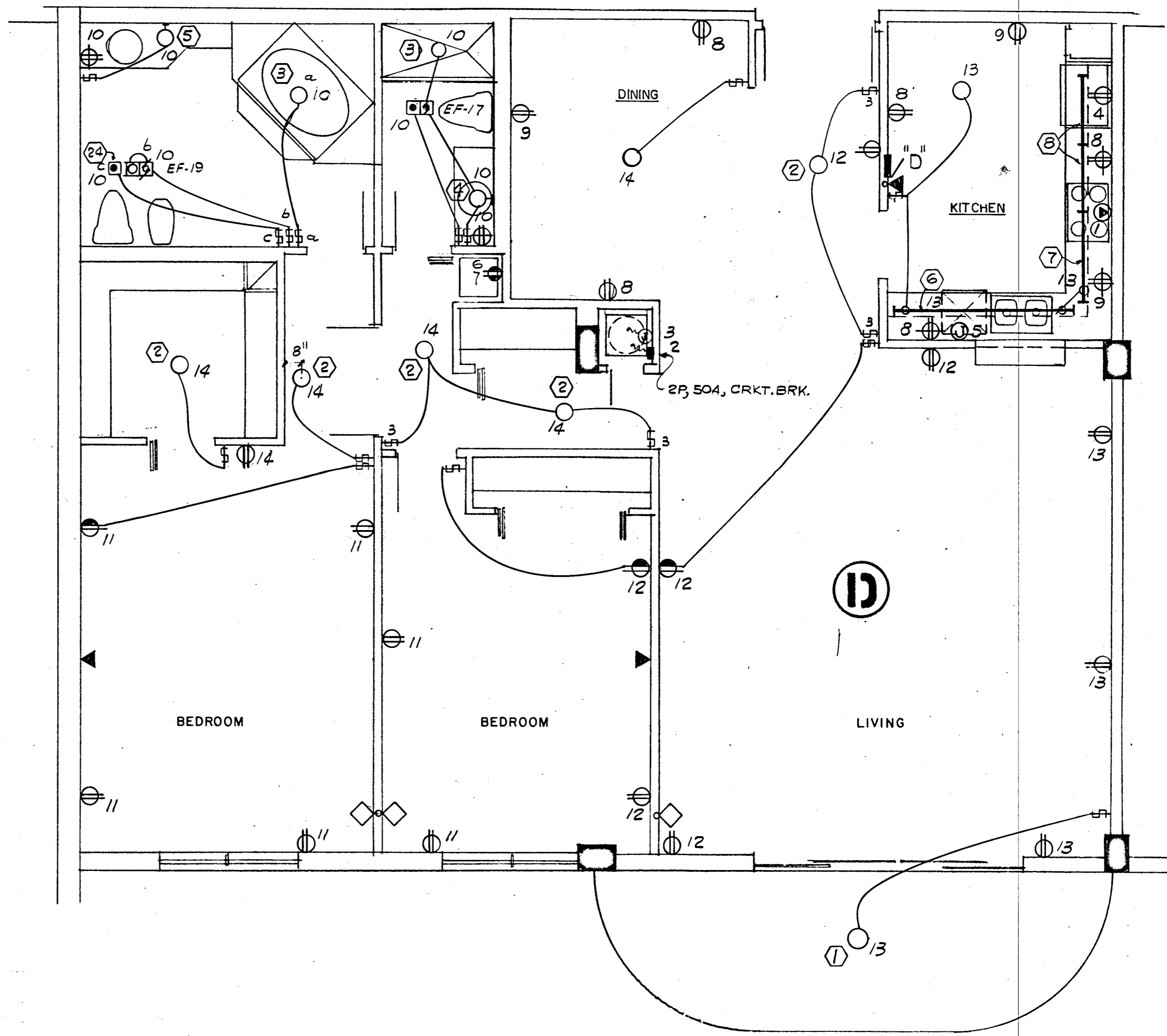
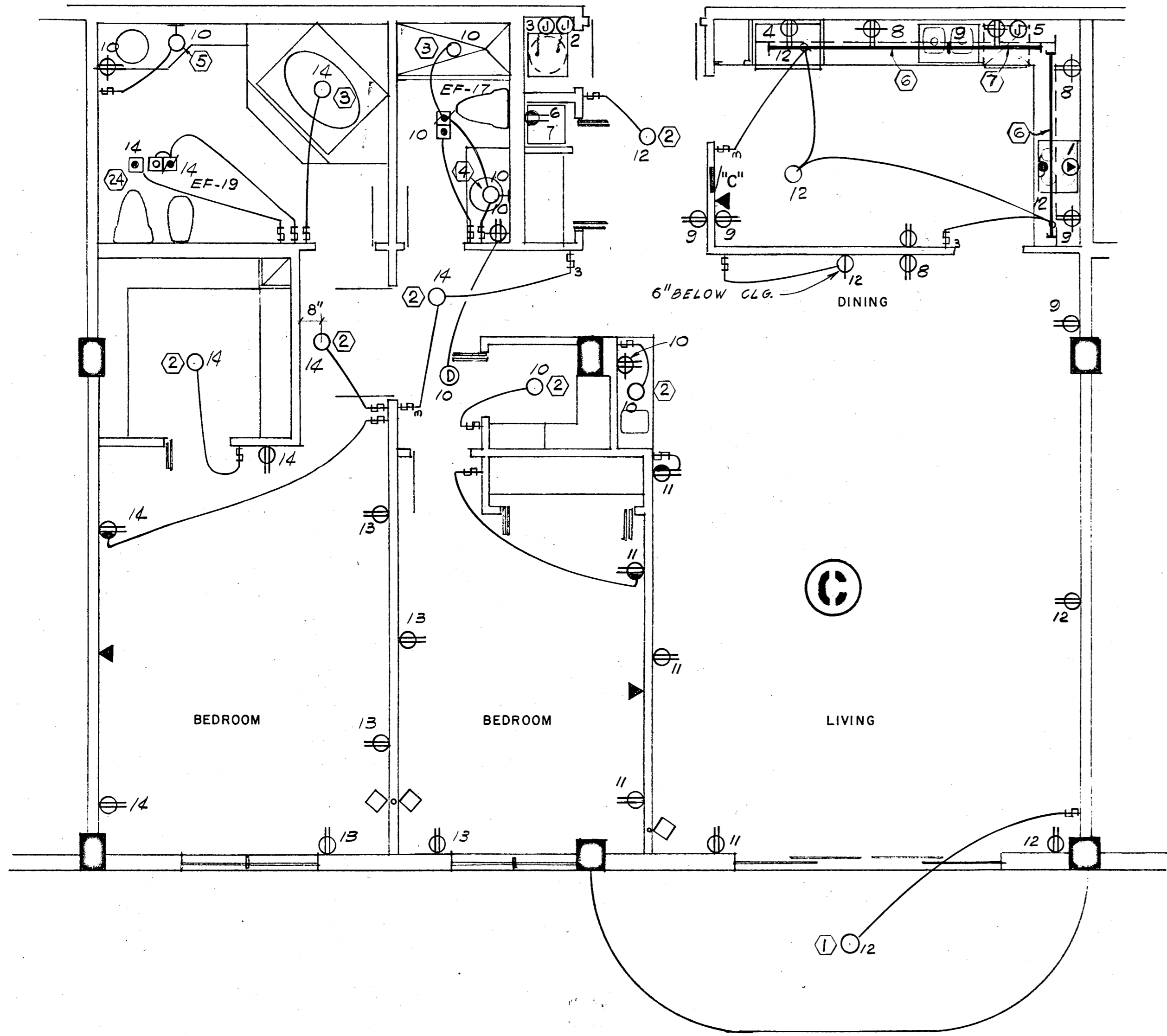
CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 17 of 11 SHEETS

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
MILWAUKEE, FLA 33152 945-4733

Steven Friedman
8/17/79



1700 SQ. FT x 3 WATTS = 5.1 KW

PANEL "C" & "D" 10, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SOD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND. (HTR & A.H.U.)	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-14	1-15	14	LIGHTS & RECEPTACLES	5.1	5.1

* CIRCUIT NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE	LOAD	KW
FIRST	10.0 KW @ 100%	10.0
NEXT	19.2 KW @ 40%	7.6
AIR COND. (HEATING)		5.5
TOTAL KW		23.1

NEUTRAL

LINE	LOAD	KW
FIRST	3.0 KW @ 100%	3.0
NEXT	9.4 KW @ 35%	3.3
RANGE	12.0 KW @ 70%	8.4
TOTAL KW		14.7

WATTS TO AMPS (LINE) 23,100 - 208V = 111 AMPS
 WATTS TO AMPS (NEUT.) 14,700 - 208V = 70 AMPS
 FEEDER: 2# 2 & 1# 4 THW CU - 1 1/2"
 • 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

NO.	MANUFACT.	CAT. NO.	LAMPS		VOLTAGE	MOUNTING	REMARKS
			NO.	TYPE			
1	PRESCOLITE	9446	1	75WA19	120	SURFACE	
2	MARKSTONE	1810	2	60WA19		SURFACE	
3	PROGRESS	P9610	1	60WA19		RECESSED	
4	PRESCOLITE	9320-8	8	25G16 1/2 C/W		WALL	
5	PRESCOLITE	9320-10	10	25G16 1/2 C/W		WALL	
6	LITHONIA	8TS140HRS	2	F40CW		SURFACE	
7		S140HRS	1	F40CW			
8		S130HRS	1	F30CW			
9		S120TS	1	F20T12			
10		2G440A12	4	F40CW		RECESSED	
11		F OR G240A12	2	F40CW		RECESSED	VERIFY TYPE OF CEILING BEFORE PURCHASING OF FIXTURES.
12		SC240A	2	F40CW		SURFACE	
13		ES1R	2	25W		SURFACE	
14		ES2R	2	25W		SURFACE	
15	PRESCOLITE	4085	1	75WA19		WALL	
16	MARKSTONE	751	1	75WA19		SURFACE	

NO.	MANUFACT.	CAT. NO.	LAMPS		VOLTAGE	MOUNTING	REMARKS
			NO.	TYPE			
17	MARKSTONE	761	1	75WA19		WALL	
18	KURT VERSEN	A7140	1	100WA19		RECESSED	
19	KURT VERSEN	R7220-100208	1	E23 1/2 MERC. VAPOR	208	RECESSED	
20	KURT VERSEN	W4520	1	40WT-101F	120	RECESSED STEP LIGHT	
21	STONCO	DLL-2	1	150WA21	120	ON 10'-0" STEEL POLE	PROVIDE PRECAST CONCRETE BASE
22	STONCO	OLA18-101MM	1	100W MERC. VAPOR	208	ON 2'-0" 3" OD PIPE	
23	STONCO	VCXL-11GC	1	75WA19	120	ELEV. PIT WALL	
24	NUTONE	9410	1	250WR/40	120	RECESSED	
25	LEVITTON	PORCELAIN RECEPT.	1	60WA19	120	SURFACE	

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, ILC.

128 S.E. 14TH LANE
3588044

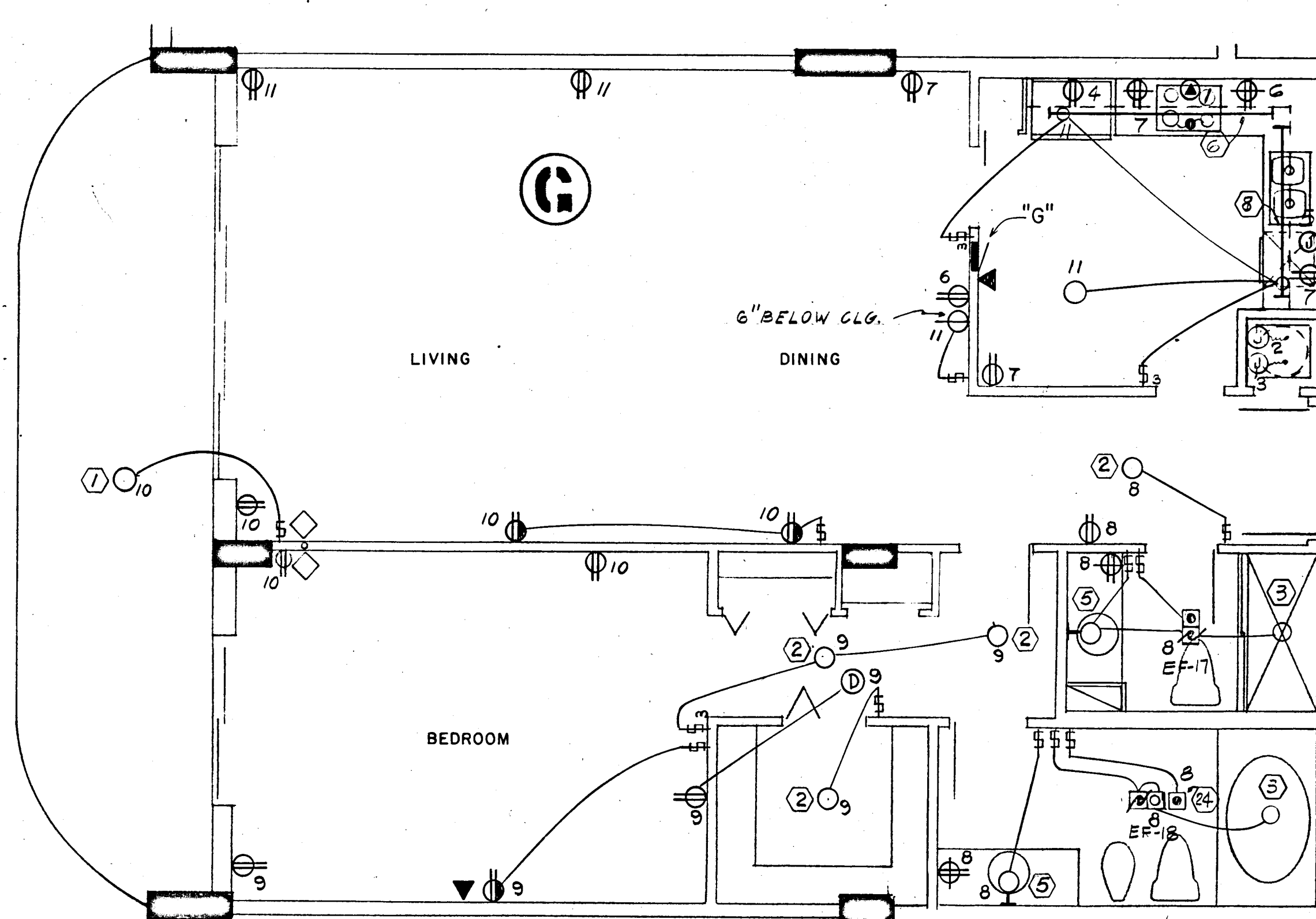
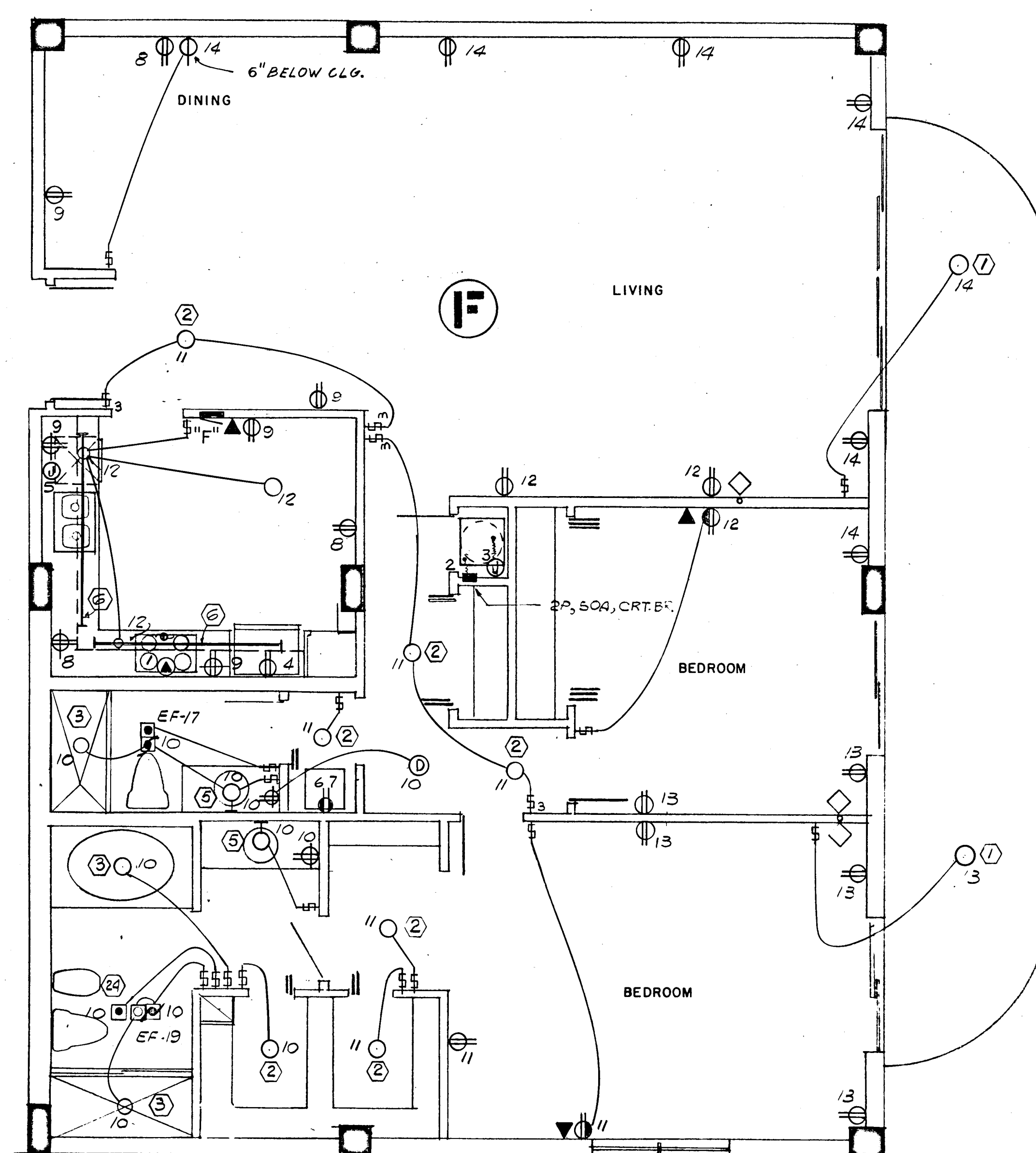
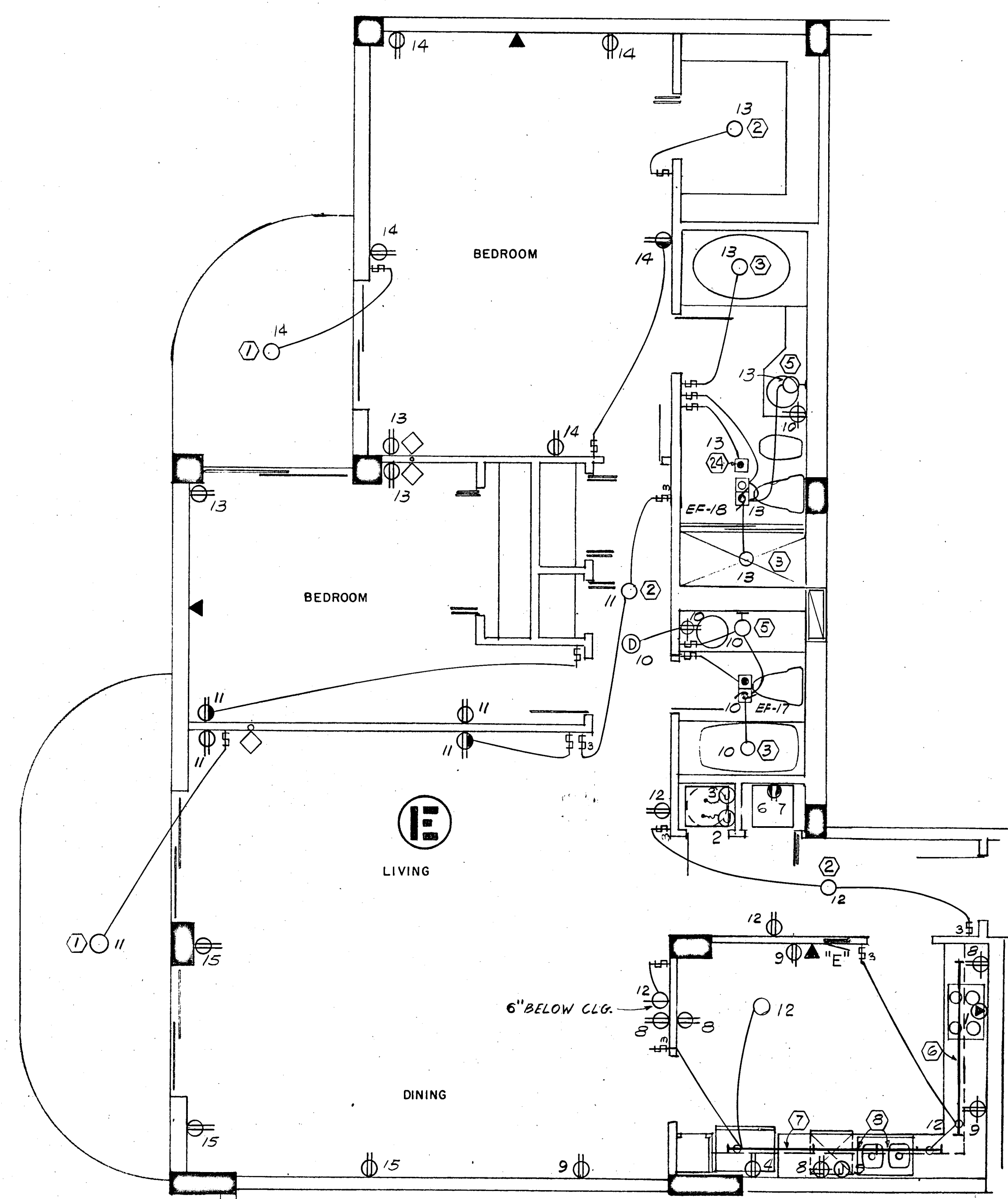
CHAMPLAIN TOWERS SOUTH

A- 125 UNIT CONDOMINIUM

COMM. NO. DATE: 8-13-79 SHEET NO. 7 of 11

FLORIDA ENGINEERING SERVICES
352 NE 107 STREET
MIAMI BEACH, FL 33139

Solemn Affidavit
8/13/79



1170 SQ. FT x 3 WATTS = 3.5 KW

PANEL "G" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-40	8	AIR COND.	5.3	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6-7			SMALL APPLIANCES	3.0	3.0
*8-11	1-15	14	LIGHTS & RECEPTACLE	3.5	3.5

* CIR. NO. 8 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 15.1 KW @ 40% ----- 6.0

AIR COND. (HEATING) ----- 4.3

TOTAL KW ----- 20.3

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 5.4 KW @ 35% ----- 1.8

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 13.2

WATTS TO AMPS (LINE) 20,300 ÷ 208V = 97 AMPS

WATTS TO AMPS (NEUT.) 13,200 ÷ 208V = 63 AMPS

FEEDER: 2# 3 & 1# 4 THW CU - 1½"

• 5.6 KW x 65% = 3.6 KW + 0.7 KW A.H.U. = 4.3 KW

1538 SQ. FT x 3 WATTS = 4.6 KW

PANEL "E" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-15	1-15	14	LIGHTS & RECEPTABLES	4.6	4.6

* CIR. NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 18.7 KW @ 40% ----- 7.4

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 22.9

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.2 KW @ 35% ----- 3.2

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.6

WATTS TO AMPS (LINE) 22,900 ÷ 208V = 110 AMPS

WATTS TO AMPS (NEUT.) 14,600 ÷ 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

1645 SQ. FT x 3 WATTS = 4.9 KW

PANEL "F" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.0	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-14	1-15	14	LIGHTS & RECEPTABLES	4.9	4.9

* CIR. NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 19.0 KW @ 40% ----- 7.6

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 23.1

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.5 KW @ 35% ----- 3.3

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.7

WATTS TO AMPS (LINE) 23,100 - 208V = 111 AMPS

WATTS TO AMPS (NEUT.) 14,700 - 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
158 S.E. 14TH LANE
3388044

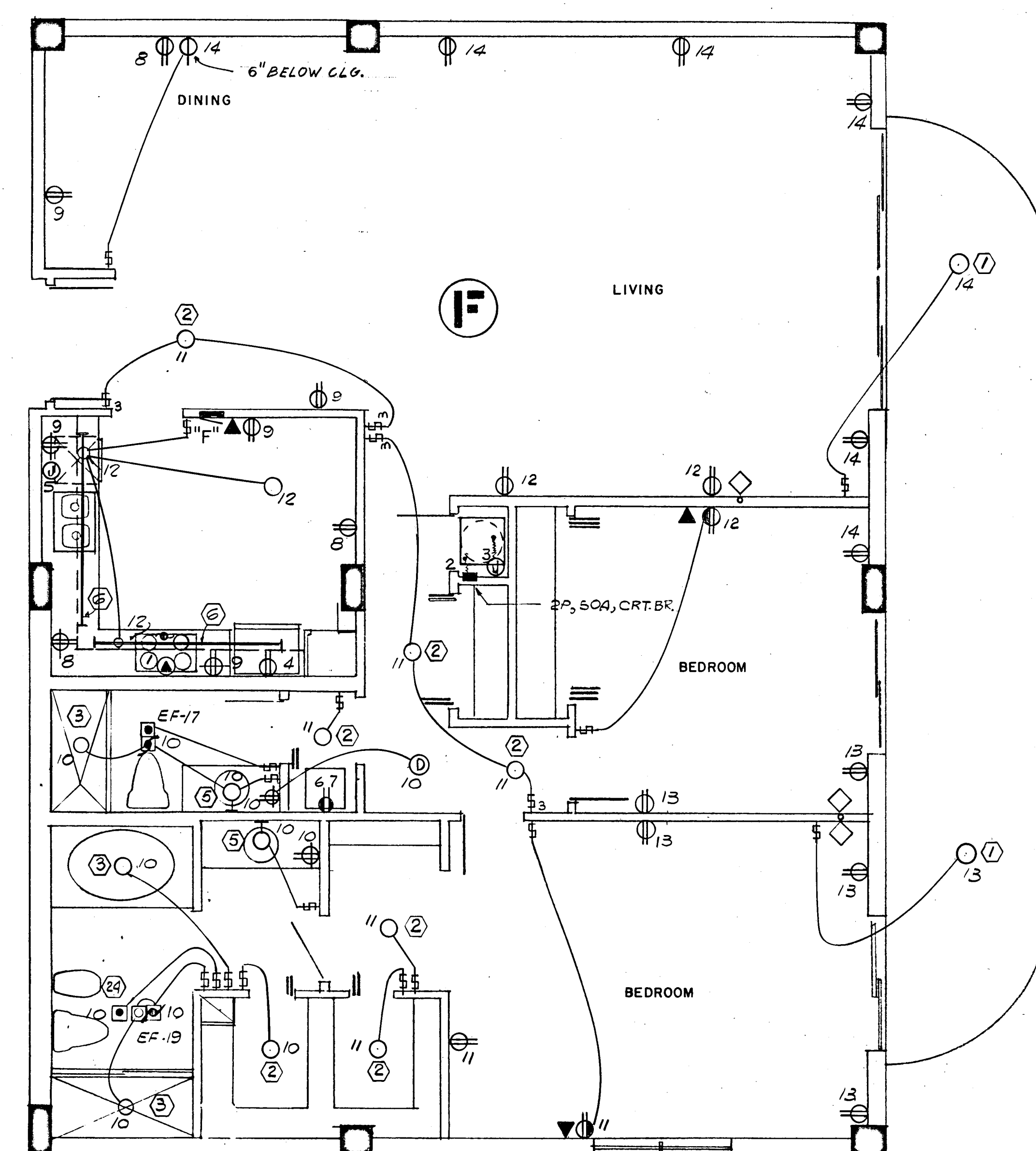
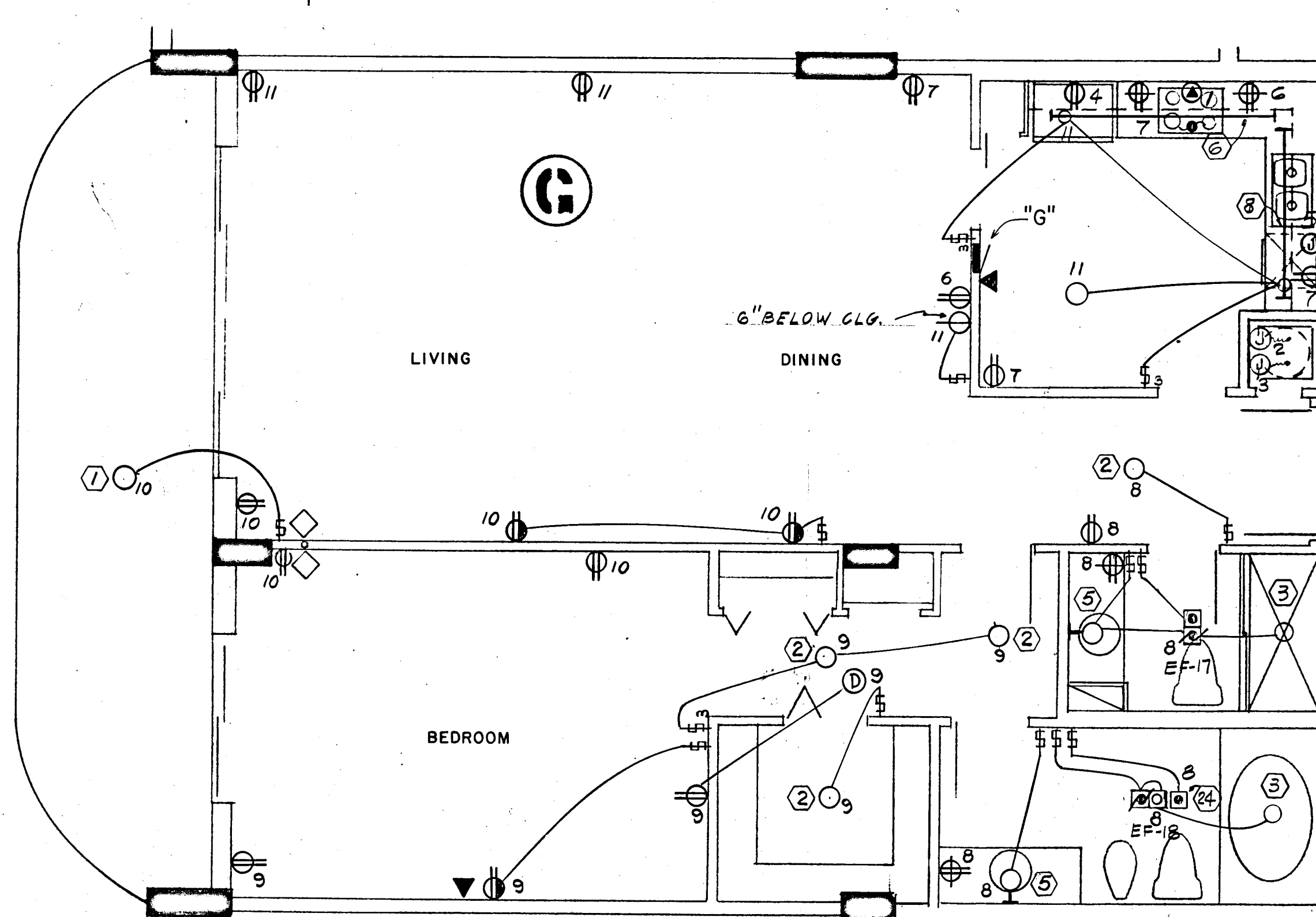
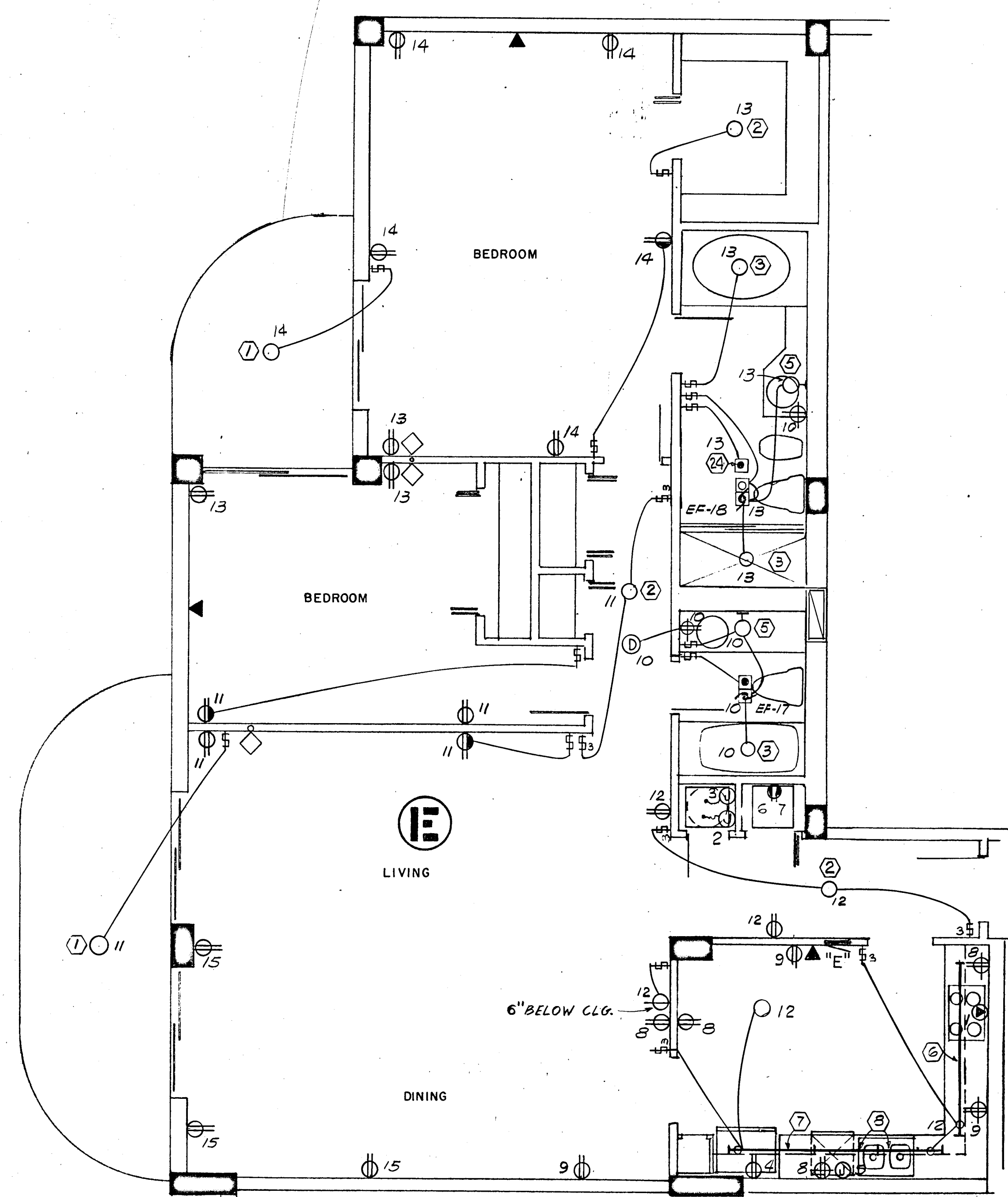
CHAMPLAIN TOWERS SOUTH

A-135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 11 OF 11

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
MIAMI BEACH, FL 33162 945-4743

REV. SHEETS



1170 SQ. FT x 3 WATTS = 3.5 KW

PANEL "G" 10, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-40	8	AIR COND.	6.3	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6-7			SMALL APPLIANCES	3.0	3.0
*8-11	1-15	14	LIGHTS & RECEPTACLE	3.5	3.5

* CIRC NO. 8 - TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 15.1 KW @ 40% ----- 6.0

AIR COND. (HEATING) ----- 4.3

TOTAL KW ----- 20.3

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 5.4 KW @ 35% ----- 1.8

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 13.2

WATTS TO AMPS (LINE) 20,300 ÷ 208V = 97 AMPS

WATTS TO AMPS (NEUT.) 13,200 ÷ 208V = 63 AMPS

FEEDER: 2# 3 & 1# 4 THW CU - 1 1/2"

• 5.6 KW x 65% = 3.6 KW + 0.7 KW A.H.U. = 4.3 KW

1538 SQ. FT x 3 WATTS = 4.6 KW

PANEL "E" 10, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-15	1-15	14	LIGHTS & RECEPTACLES	4.6	4.6

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 18.7 KW @ 40% ----- 7.4

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 22.9

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.2 KW @ 35% ----- 3.2

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.6

WATTS TO AMPS (LINE) 22,900 ÷ 208V = 110 AMPS

WATTS TO AMPS (NEUT.) 14,600 ÷ 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1 1/2"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

1645 SQ. FT x 3 WATTS = 4.9 KW

PANEL "F" 10, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-14	1-15	14	LIGHTS & RECEPTACLES	4.9	4.9

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 19.0 KW @ 40% ----- 7.6

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 23.1

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.5 KW @ 35% ----- 3.3

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.7

WATTS TO AMPS (LINE) 23,100 ÷ 208V = 111 AMPS

WATTS TO AMPS (NEUT.) 14,700 ÷ 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1 1/2"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

135 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

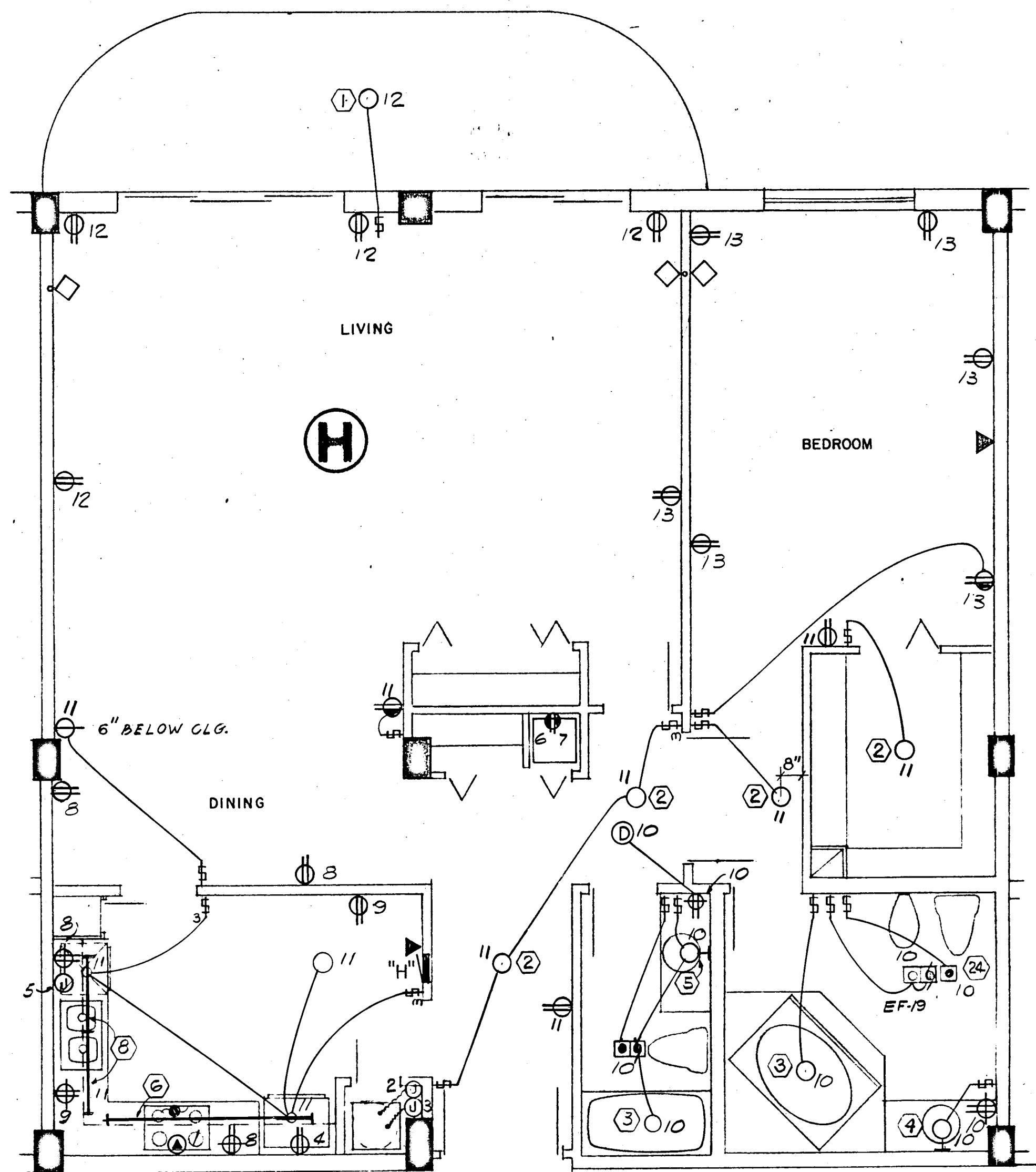
A-135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 11

REV. 11

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
N. MIAMI BCH, FLA 33162 945-4743

Schwarz, Miller
8/13/79



1369 SQ. FT x 3 WATTS = 4.1 KW

PANEL "H" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-40	8	AIR COND.	6.3	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-13	1-15	14	LIGHTS & RECEPTACLES	4.1	4.1

* CIR. NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

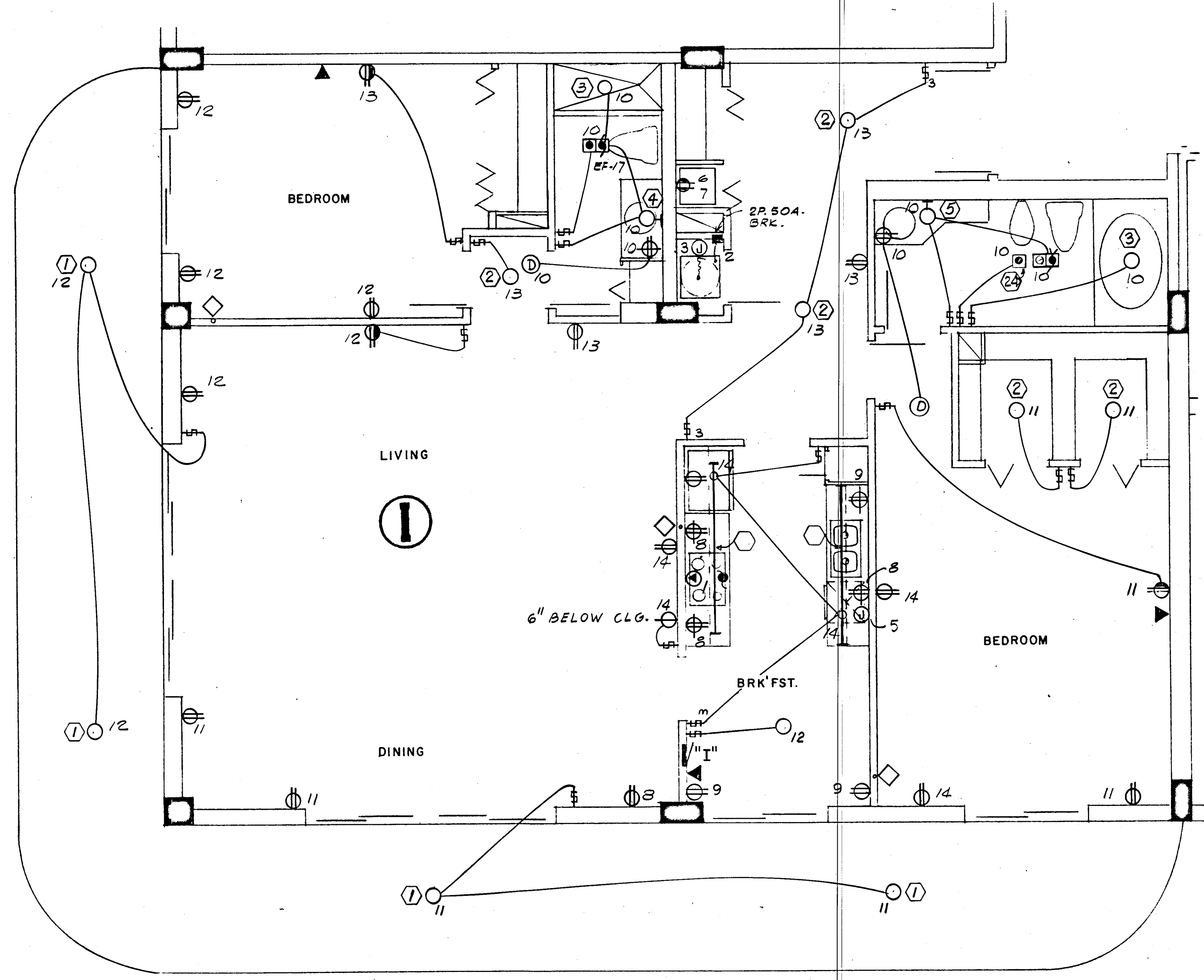
FIRST 10.0 KW @ 100% ----- 10.0
NEXT 18.2 KW @ 40% ----- 7.2
AIR COND. (HEATING) ----- 4.3
TOTAL KW ----- 21.5

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0
NEXT 8.7 KW @ 35% ----- 3.0
RANGE 12.0 KW @ 70% ----- 8.4
TOTAL KW ----- 14.4

WATTS TO AMPS (LINE) 21,500 ÷ 208V = 103 AMPS
WATTS TO AMPS (NEUT.) 14,400 ÷ 208V = 69 AMPS
FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 5.6 KW x 65% = 3.6 KW + 0.7 KW A.H.U. = 4.3 KW



1539 SQ. FT x 3 WATTS = 4.7 KW

PANEL "I" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QO

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
10-14	1-15	14	LIGHTS & RECEPTACLES	4.7	4.7

* CIR. NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0
NEXT 18.8 KW @ 40% ----- 7.5
AIR COND. (HEATING) ----- 5.5
TOTAL KW ----- 23.0

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0
NEXT 9.3 KW @ 35% ----- 3.2
RANGE 12.0 KW @ 70% ----- 8.4
TOTAL KW ----- 14.6

WATTS TO AMPS (LINE) 23,000 ÷ 208V = 110 AMPS
WATTS TO AMPS (NEUT.) 14,600 ÷ 208V = 70 AMPS
FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC.
128 S.E. 14th LANE
3588044

CHAMPLAIN TOWERS SOUTH

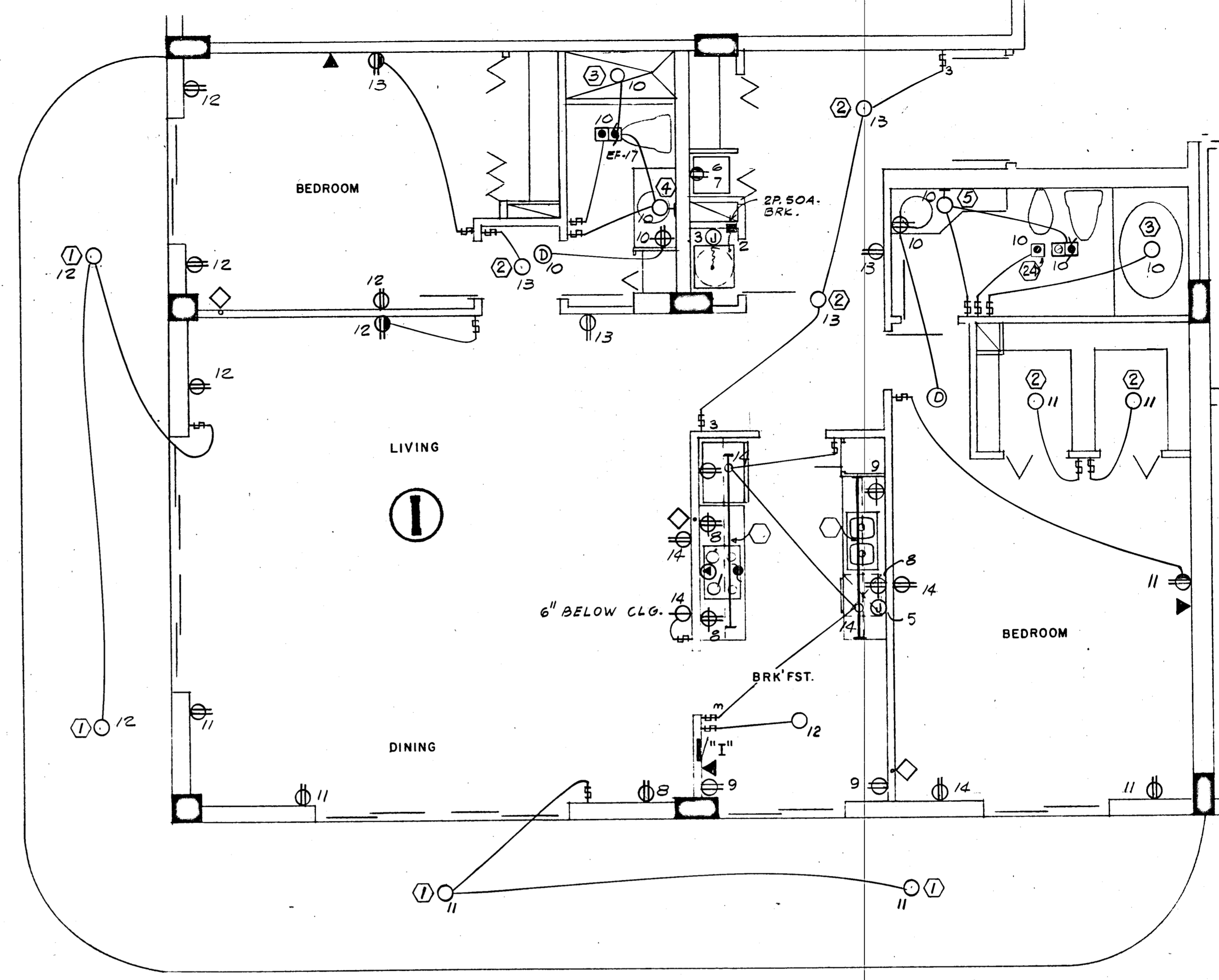
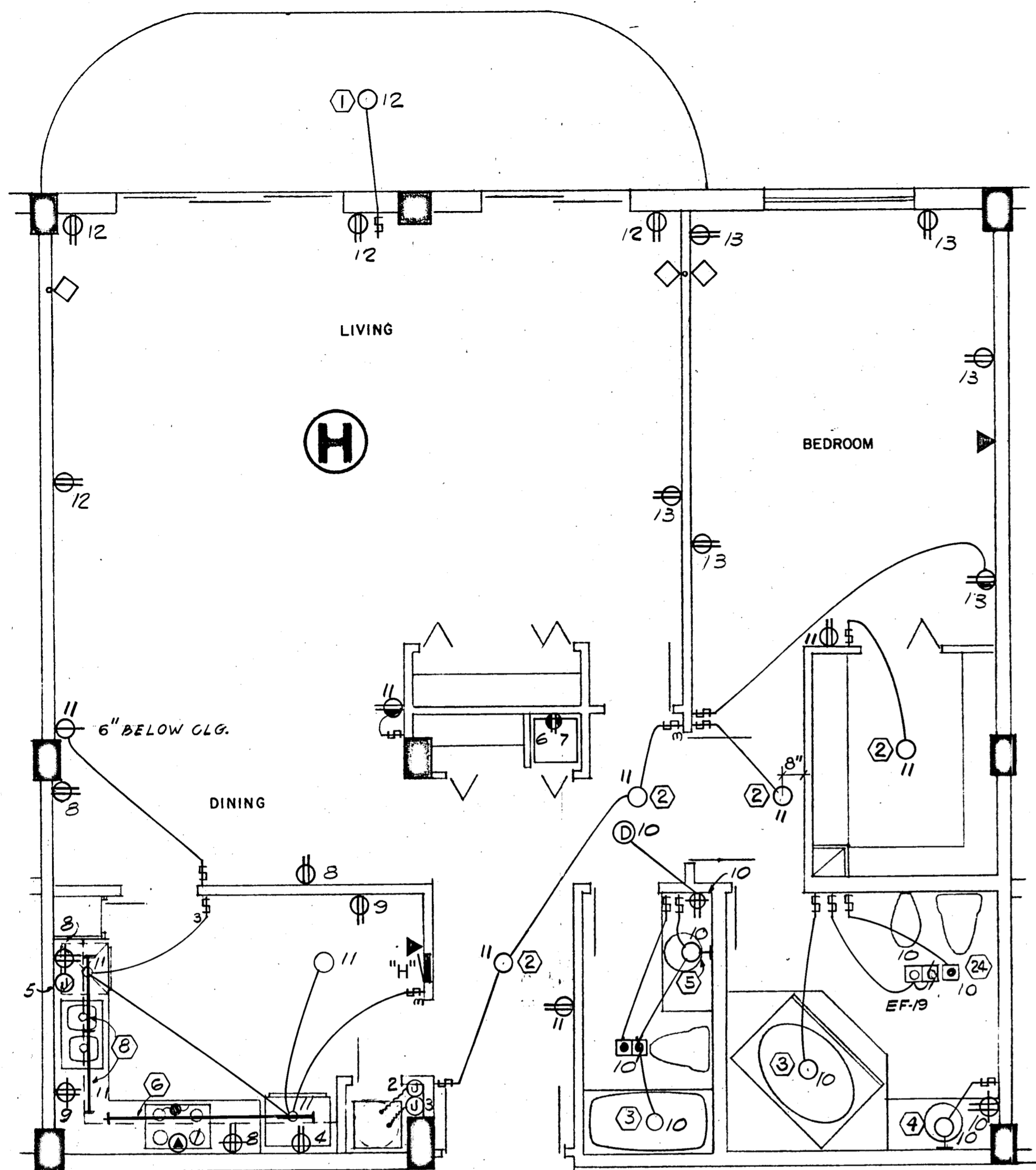
A: 135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 19 of 11 SHEETS

REV.

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
N. MIAMI BCH, FLA. 33162 945-4743

S. Solomon Miller
8/13/79



1369 SQ. FT x 3 WATTS = 4.1 KW

PANEL "H" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QD

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-40	8	AIR COND.	6.3	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-13	1-15	14	LIGHTS & RECEPTACLES	4.1	4.1

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 18.2 KW @ 40% ----- 7.2

AIR COND. (HEATING) ----- 4.3

TOTAL KW ----- 21.5

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 8.7 KW @ 35% ----- 3.0

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.4

WATTS TO AMPS (LINE) 21,500 ÷ 208V = 103 AMPS

WATTS TO AMPS (NEUT.) 14,400 ÷ 208V = 69 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 5.6 KW x 65% = 3.6 KW + 0.7 KW A.H.U. = 4.3 KW

1539 SQ. FT x 3 WATTS = 4.7 KW

PANEL "I" 1Ø, 3W, 120/208V, 125A, M.L.O. FLUSH MTD. SQD TYPE QD

CKT. NO.	POLE BKR.	WIRE	SERVING	KW	
				LINE	NEUT.
1	2-50	6	RANGE	12.0	8.4
2	2-50	6	AIR COND.	8.2	---
3	2-30	10	WATER HEATER	4.5	---
4	1-20	12	REFRIGERATOR	0.7	0.7
5			DISH WASHER	1.2	1.2
6			DRYER (COMPACT-FUTURE)	1.8	1.8
7			WASHER (COMPACT-FUTURE)	0.9	0.9
8-9			SMALL APPLIANCES	3.0	3.0
*10-14	1-15	14	LIGHTS & RECEPTACLES	4.7	4.7

* CIRC NO. 10 TO BE G.F.I. BKR.

N.E.C. TABLE 220-30

LINE

FIRST 10.0 KW @ 100% ----- 10.0

NEXT 18.8 KW @ 40% ----- 7.5

AIR COND. (HEATING) ----- 5.5

TOTAL KW ----- 23.0

NEUTRAL

FIRST 3.0 KW @ 100% ----- 3.0

NEXT 9.3 KW @ 35% ----- 3.2

RANGE 12.0 KW @ 70% ----- 8.4

TOTAL KW ----- 14.6

WATTS TO AMPS (LINE) 23,000 ÷ 208V = 110 AMPS

WATTS TO AMPS (NEUT.) 14,600 ÷ 208V = 70 AMPS

FEEDER: 2# 2 & 1# 4 THW CU - 1½"

• 7.5 KW x 65% = 4.8 KW + 0.7 KW A.H.U. = 5.5 KW

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

128 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

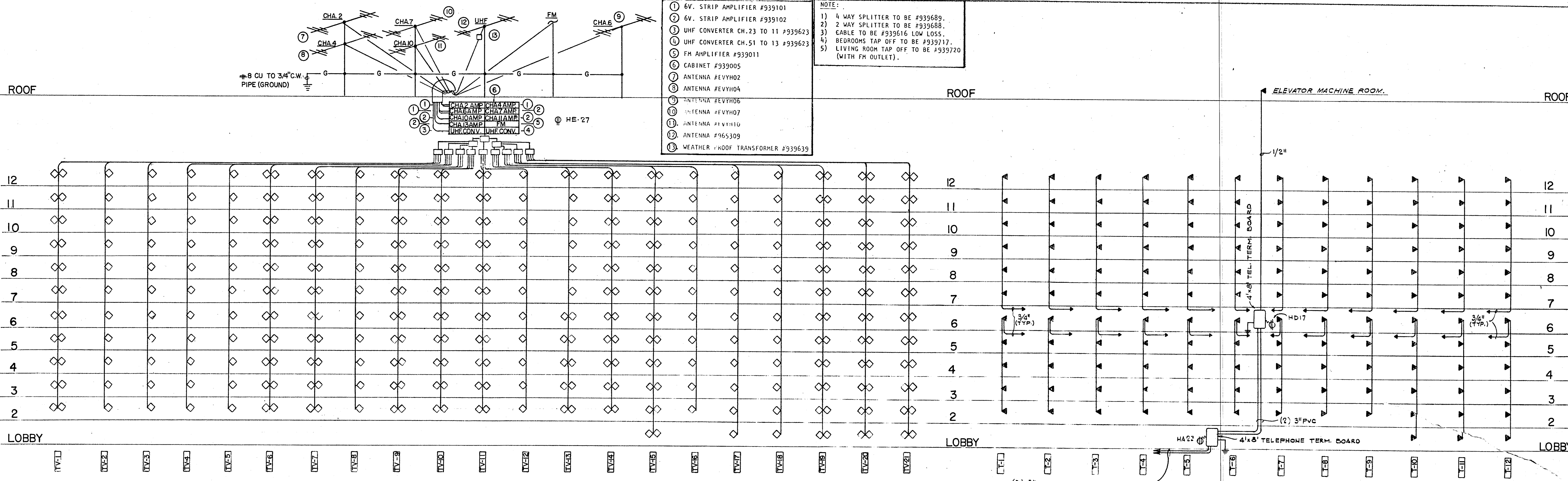
A-125 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 19 of 11

REV. 945-4743

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
N. MIAMI BCH, FLA 33162 945-4743

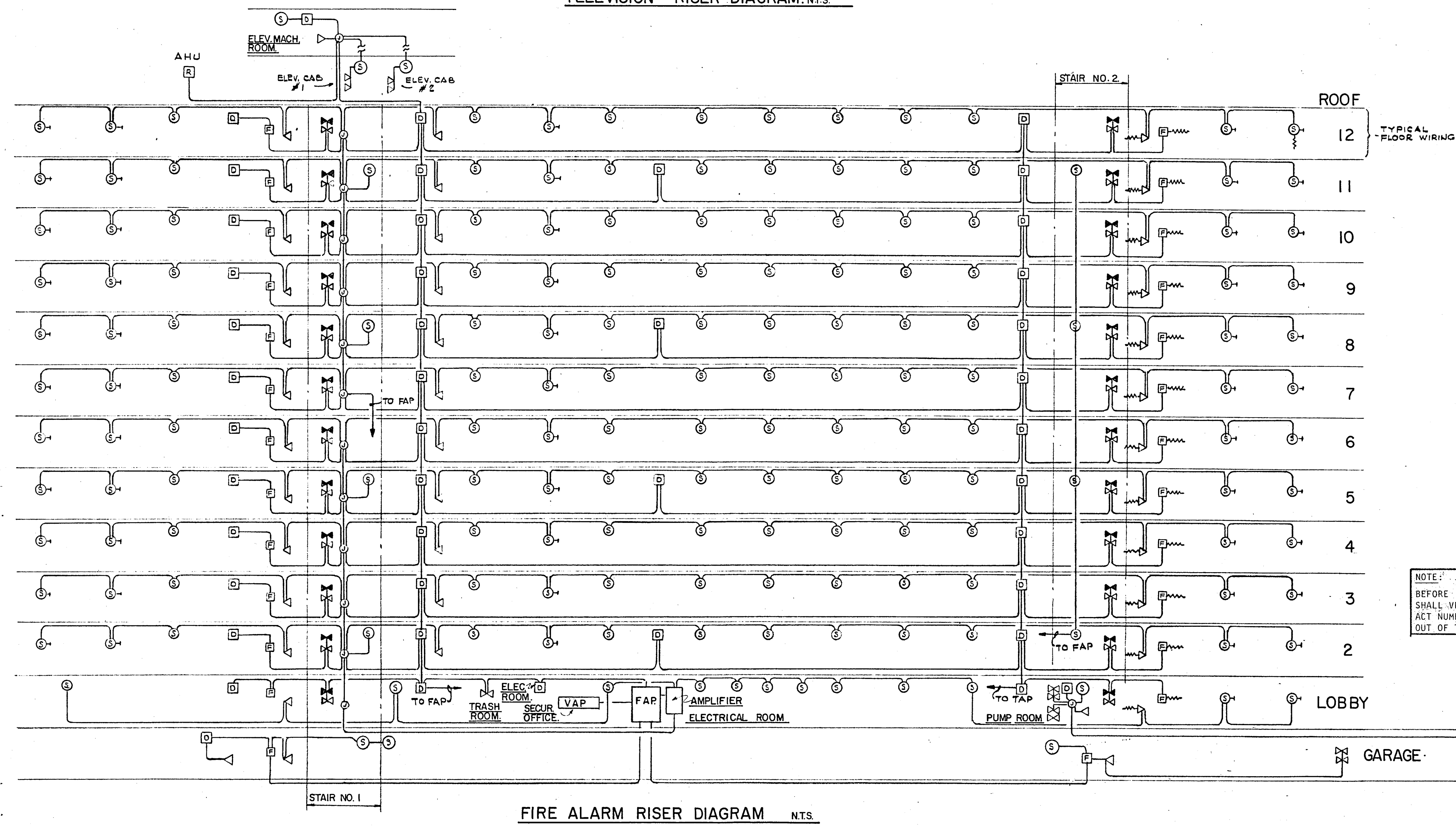
Salomon Miller
8/13/79



- 1 6V. STRIP AMPLIFIER #939101
- 2 6V. STRIP AMPLIFIER #939102
- 3 UHF CONVERTER CH. 23 TO 11 #939623
- 4 UHF CONVERTER CH. 51 TO 13 #939623
- 5 FM AMPLIFIER #939011
- 6 CABINET #939005
- 7 ANTENNA #EVYH02
- 8 ANTENNA #EVYH04
- 9 ANTENNA #EVYH05
- 10 ANTENNA #EVYH07
- 11 ANTENNA #EVYH10
- 12 ANTENNA #965309
- 13 WEATHER ROOF TRANSFORMER #939639

NOTE:

- 1) 4 WAY SPLITTER TO BE #939689.
- 2) 2 WAY SPLITTER TO BE #939688.
- 3) CABLE TO BE #939616 LOW LOSS.
- 4) BEDROOMS TAP OFF TO BE #939717.
- 5) LIVING ROOM TAP OFF TO BE #939720 (WITH FM OUTLET).



BUILDING FIRE ALARM SYSTEM SHALL MEET THE REQUIREMENTS OF SECTION #5100 OF THE SOUTH FLORIDA BUILDING CODE. THE SYSTEM WILL CONTAIN A FIRE ALARM PANEL, AMPLIFIER RACK, VOICE ALARM CONSOLE WITH ANNUNCIATOR TO FUNCTION AS FOLLOWS.

ACTIVATION OF A MANUAL STATION, SMOKE DETECTOR, OR FLOW SWITCH WILL TRANSMIT A TONE ALARM TO THE ACTIVATED FLOOR ONLY. AFTER A TIME DELAY OF 0-10 MINUTES, IF THE SYSTEM IS NOT RESET, THE SYSTEM WILL GO INTO A GENERAL ALARM. TAMPER SWITCHES WILL ANNUNCIATE BUT WILL NOT ACTIVATE FIRE ALARM.

FLOW SWITCH AND VALVE POSITION SWITCH WILL ANNUNCIATE PER DEVICE. REST OF DEVICES ANNUNCIATE BY FLOOR OR ZONE.

ELEVATORS WILL RETURN TO THE FIRST FLOOR UPON ALARM. THE VOICE CONSOLE WILL CONTAIN A MICROPHONE FOR FIRE MARSHALL PAGING. A SELECTOR PANEL WILL ALLOW PAGING PER FLOOR AND ALL CALL. A TELEPHONE HANDSET WILL BE PROVIDED FOR COMMUNICATION BETWEEN THE FIRE MARSHALL AND FIREMAN. A SELECTOR PANEL WILL ALLOW CALL ANNUNCIATION PER FLOOR FOR PHONE JACKS. ALL ENCLOSED STAIR CASES WILL HAVE ONE SPEAKER ZONE WITH SPEAKERS EVERY THIRD FLOOR. EACH ELEVATOR WILL HAVE ONE SPEAKER AND 2 JACKS. ALL OF THE ABOVE CIRCUITS WILL BE SUPERVISED PER FLOOR, EXCEPT TAMPER SWITCHES AND ANNUNCIATE LIGHTS FOR FLOW SWITCHES, TAMPER SWITCHES, STATIONS, SMOKE AND HEAT DETECTORS.

CONSOLE TO CONTAIN SWITCHES TO START THE EMERGENCY GENERATOR. SYSTEM TROUBLE LIGHTS WILL BE PROVIDED FOR AMPLIFIERS, TONE GENERATORS AND ALL LINE EQUIPMENT.

- FIRE ALARM LEGEND (ALL EQUIPMENT BY FARADAY)**
- FAP FIRE ALARM PANEL #19006 - R, 3L, 2XK, 22D, XEA, XG AND AMPLIFIER RACK #05E-002 WITH AMPLIFIERS AND TROUBLE SUPPRESSION.
 - VAP FIRE ALARM VOICE CONSOLE. MIRTONE SERIES QSB-032 INCLUDING QSP-031 ENCLOSURE.
 - 1-QST-202 MICROPHONE CONTROL
 - 1-QST-211 TELEPHONE CONTROL
 - 1-QSP-217 TROUBLE PANEL
 - 4-QSP-212 SPEAKER ZONE PANEL
 - 4-QSP-205 TELEPHONE ZONE PANEL
 - 6-QST-203 PORTABLE TELEPHONES
 - 1 ANNUNCIATION SECTION AS REQUIRED
 - FLOW SWITCH - #163401
 - TAMPER SWITCH - #163400-SP-2 POLE
 - ELEVATOR SMOKE AND HEAT DETECTOR #9352
 - A.H.U. DUCT DETECTOR #462/9331 OR RELAY
 - 120V APTS. SMOKE AND HEAT DETECTORS #3052
 - SPEAKER (FLUSH) SOUNDELIER #L31.
 - GARAGE HORN SPEAKER MIRTONE #QS H5T
 - PULL STATION #10123-4
 - TELEPHONE JACK MIRTONE #QST-032

NOTE:

BEFORE INSTALLATION THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH THE EQUIPMENT VENDOR THE EXACT NUMBER OF WIRES REQUIRED AND THE EXACT LAYOUT OF THE RACEWAY SYSTEM.

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE 3588044

CHAMPLAIN TOWERS SOUTH

A-125 UNIT CONDOMINIUM

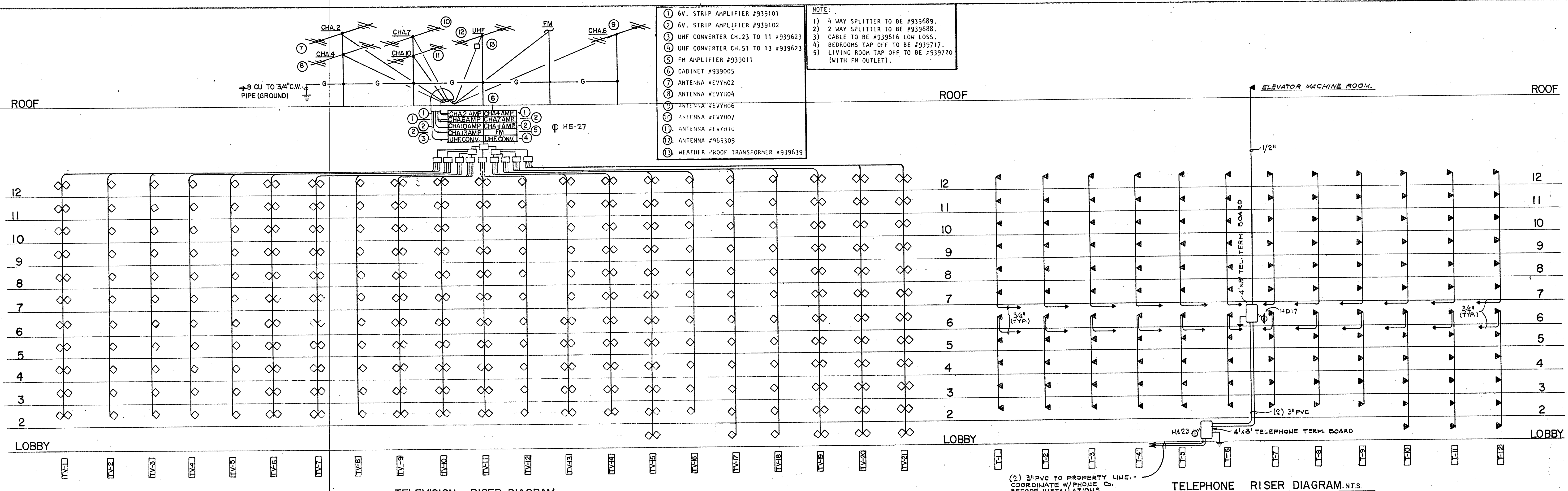
COMM. NO. DATE: 8-13-79 SHEET No. 11 OF 11

REV. 11

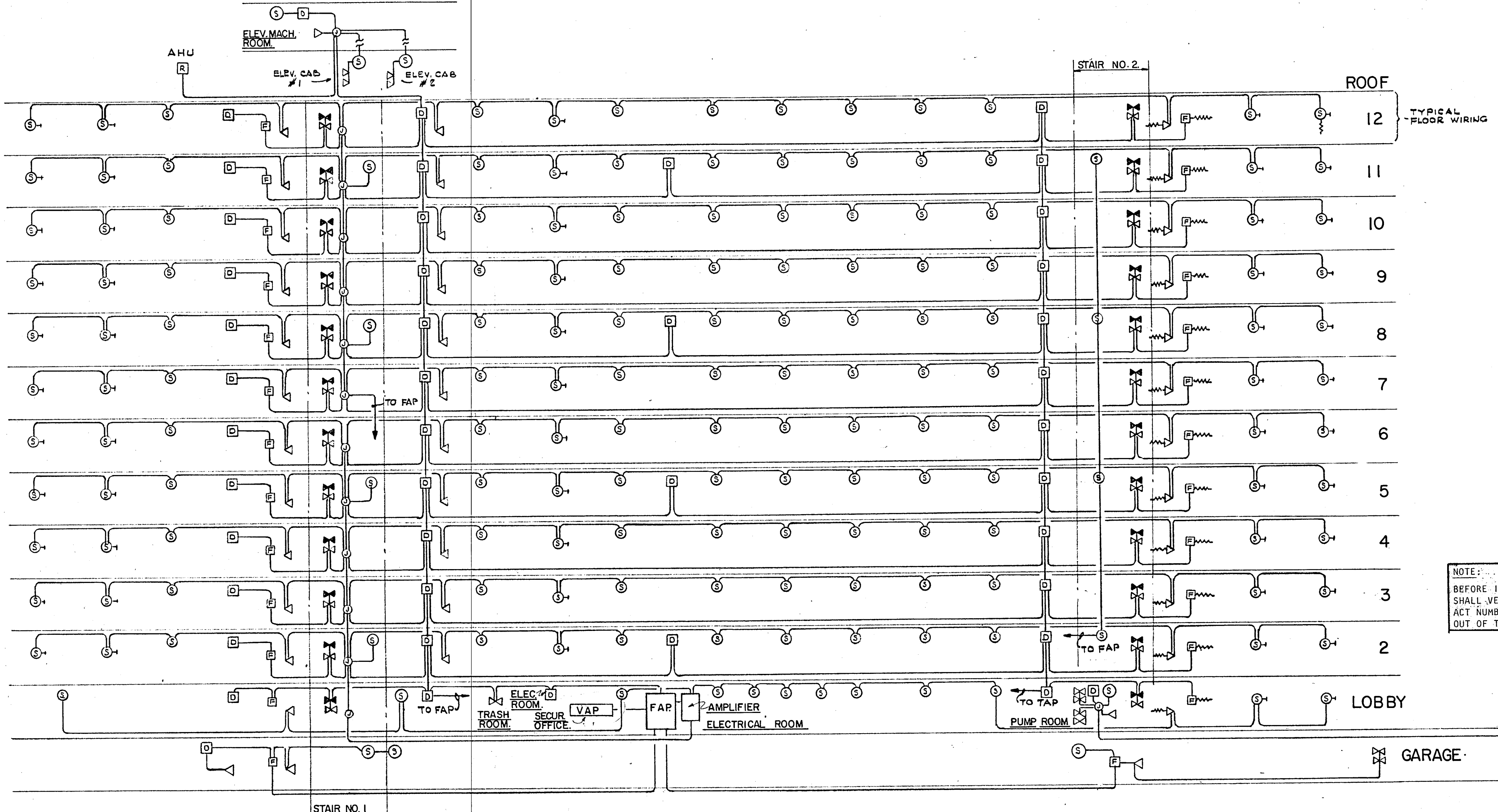
FLORIDA ENGINEERING SERVICES

352 NE 167 STREET MIAMI BCH, FLA 33132 945-4743

Salvatore J. ... 8/19/78



- NOTE:
- 1) 4 WAY SPLITTER TO BE #939689.
 - 2) 2 WAY SPLITTER TO BE #939688.
 - 3) CABLE TO BE #939616 LOW LOSS.
 - 4) BEDROOMS TAP OFF TO BE #939717.
 - 5) LIVING ROOM TAP OFF TO BE #939720 (WITH FM OUTLET).
- 1 6V. STRIP AMPLIFIER #939101
 - 2 6V. STRIP AMPLIFIER #939102
 - 3 UHF CONVERTER CH.23 TO 11 #939623
 - 4 UHF CONVERTER CH.51 TO 13 #939623
 - 5 FM AMPLIFIER #939011
 - 6 CABINET #939005
 - 7 ANTENNA #EVYH02
 - 8 ANTENNA #EVYH04
 - 9 ANTENNA #EVYH06
 - 10 ANTENNA #EVYH07
 - 11 ANTENNA #EVYH10
 - 12 ANTENNA #965309
 - 13 WEATHER PROOF TRANSFORMER #939639



BUILDING FIRE ALARM SYSTEM SHALL MEET THE REQUIREMENTS OF SECTION #5100 OF THE SOUTH FLORIDA BUILDING CODE. THE SYSTEM WILL CONTAIN A FIRE ALARM PANEL, AMPLIFIER RACK, VOICE ALARM CONSOLE WITH ANNUNCIATOR TO FUNCTION AS FOLLOWS.

ACTIVATION OF A MANUAL STATION, SMOKE DETECTOR, OR FLOW SWITCH WILL TRANSMIT A TONE ALARM TO THE ACTIVATED FLOOR ONLY. AFTER A TIME DELAY OF 0-10 MINUTES, IF THE SYSTEM IS NOT RESET, THE SYSTEM WILL GO INTO A GENERAL ALARM. TAMPER SWITCHES WILL ANNUNCIATE BUT WILL NOT ACTIVATE FIRE ALARM.

FLOW SWITCH AND VALVE POSITION SWITCH WILL ANNUNCIATE PER DEVICE. REST OF DEVICES ANNUNCIATE BY FLOOR OR ZONE.

ELEVATORS WILL RETURN TO THE FIRST FLOOR UPON ALARM. THE VOICE CONSOLE WILL CONTAIN A MICROPHONE FOR FIRE MARSHALL PAGING. A SELECTOR PANEL WILL ALLOW PAGING PER FLOOR AND ALL CALL. A TELEPHONE HANDSET WILL BE PROVIDED FOR COMMUNICATION BETWEEN THE FIRE MARSHALL AND FIREMAN. A SELECTOR PANEL WILL ALLOW CALL ANNUNCIATION PER FLOOR FOR PHONE JACKS. ALL ENCLOSED STAIR CASES WILL HAVE ONE SPEAKER ZONE WITH SPEAKERS EVERY THIRD FLOOR. EACH ELEVATOR WILL HAVE ONE SPEAKER AND 2 JACKS. ALL OF THE ABOVE CIRCUITS WILL BE SUPERVISED PER FLOOR, EXCEPT TAMPER SWITCHES AND ANNUNCIATE LIGHTS FOR FLOW SWITCHES, TAMPER SWITCHES, STATIONS, SMOKE AND HEAT DETECTORS.

CONSOLE TO CONTAIN SWITCHES TO START THE EMERGENCY GENERATOR. SYSTEM TROUBLE LIGHTS WILL BE PROVIDED FOR AMPLIFIERS, TONE GENERATORS AND ALL LINE EQUIPMENT.

FIRE ALARM LEGEND (ALL EQUIPMENT BY FARADAY)

F	FIRE ALARM PANEL #19006 - R, 3L, 2XK, 2ZD, XEA, XG AND AMPLIFIER RACK #QSE-002 WITH AMPLIFIERS AND TROUBLE SUPPRESSION.
V	FIRE ALARM VOICE CONSOLE. MIRTONE SERIES QSB-032 INCLUDING QSP-031 ENCLOSURE.
1	1-QST-202 MICROPHONE CONTROL
1	1-QST-211 TELEPHONE CONTROL
1	1-QSP-217 TROUBLE PANEL
4	4-QSP-212 SPEAKER ZONE PANEL
4	4-QSP-205 TELEPHONE ZONE PANEL
6	6-QST-203 PORTABLE TELEPHONES
1	1 ANNUNCIATION SECTION AS REQUIRED
▶	FLOW SWITCH - #163401
⊗	TAMPER SWITCH - #163400-SP-2 POLE
D	ELEVATOR SMOKE AND HEAT DETECTOR #9352
R	A.H.U. DUCT DETECTOR #462/9331 OR RELAY
D	120V APTS. SMOKE AND HEAT DETECTORS #3052
S	SPEAKER (FLUSH) SOUNDELIER #L31
G	GARAGE HORN SPEAKER MIRTONE #QS H5T
P	PULL STATION #10123-4
◁	TELEPHONE JACK MIRTONE #QST-032

NOTE: BEFORE INSTALLATION THE ELECTRICAL CONTRACTOR SHALL VERIFY WITH THE EQUIPMENT VENDOR THE EXACT NUMBER OF WIRES REQUIRED AND THE EXACT LAYOUT OF THE RACEWAY SYSTEM.

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH
A- 135 UNIT CONDOMINIUM
COMM. No. DATE: 8-13-79 SHEET No. 11 OF 11

FLORIDA ENGINEERING SERVICES
252 NE 167 STREET
FT. LAUDERDALE, FLA. 33322
945-4743

Solomon Rubin
8/13/79

