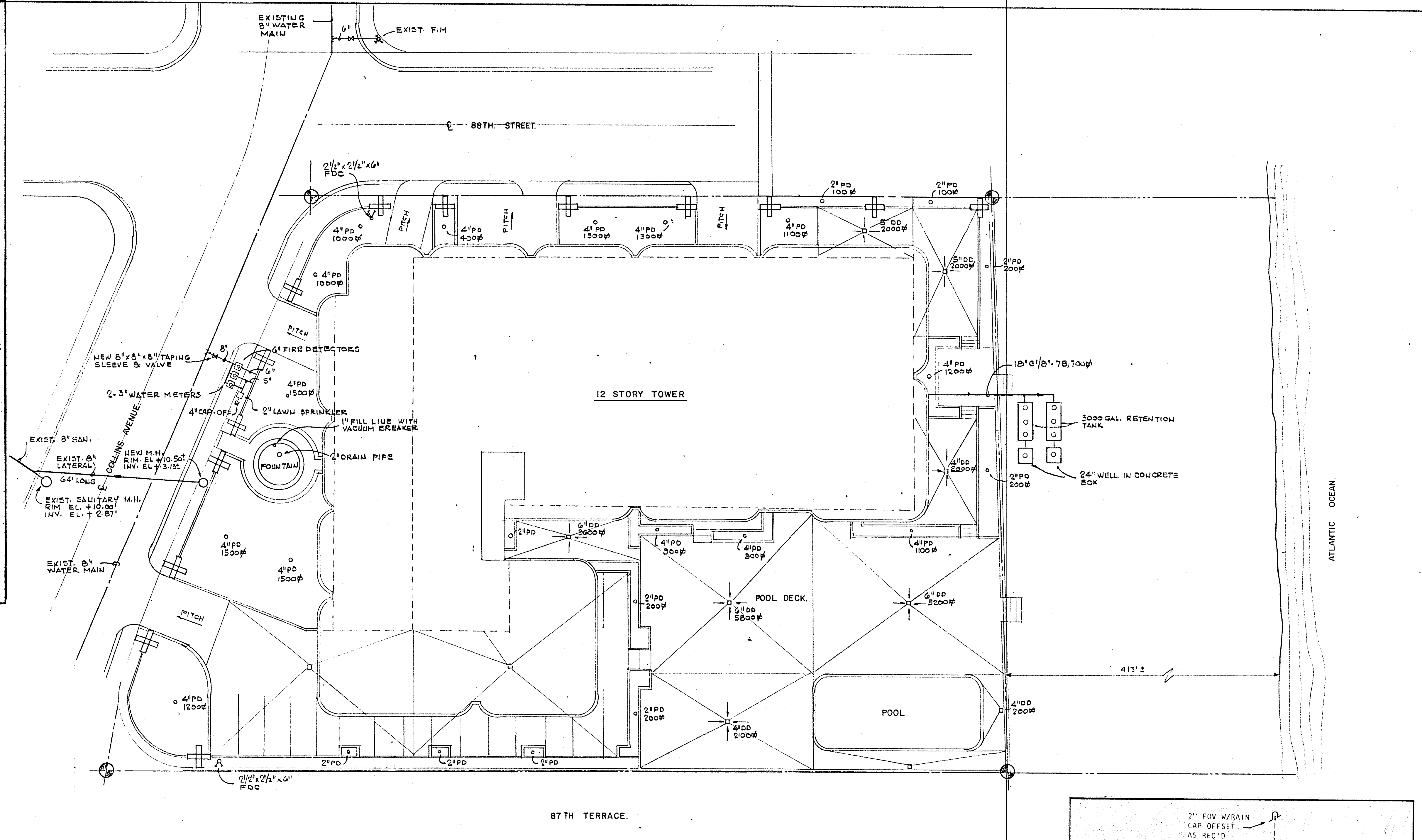
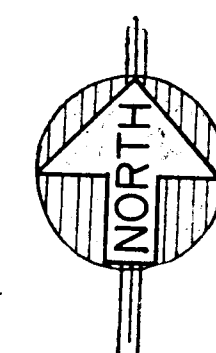


SYMBOLS & LEGEND

L	- LAVATORY	F.H.C.	- FIRE HOSE CABINET
W.C.	- WATER CLOSET	F.D.V.	- FIRE DEPT. VALVE
T	- TUB	F.X.	- FIRE EXTINGUISHER
SH.	- SHOWER	P.R.V.	- PRESSURE REDUCING VALVE
SK.	- SINK	SPK.	- SPRINKLER
DW.	- DISHWASHER	G.	- GAS
DISP.	- DISPOSAL	F.O.S.	- FUEL OIL SUPPLY
BID.	- BIDET	F.O.R.	- FUEL OIL RETURN
W.M.	- CLOTHES WASHER	F.O.V.	- FUEL OIL VENT
UR.	- URINAL	N.O.	- NORMALLY OPENED
S.SK.	- SERVICE SINK	N.C.	- NORMALLY CLOSED
D.F.	- DRINKING FOUNTAIN		- SOIL OR WASTE LINE
F.D.	- FLOOR DRAIN WITH RESEAL		- VENT LINE
C.O.	- CLEANOUT	ST	- STORM DRAIN LINE
S.S.	- SOIL STACK		- INDIRECT DRAIN LINE
V	- VENT		- COLD WATER LINE
V.T.R.	- VENT THRU ROOF		- HOT WATER LINE
V.S.	- VENT STACK		- HOT WATER RETURN LINE
W	- WASTE	F	- FIRE LINE
C.W.	- COLD WATER	G	- GAS LINE
H.W.	- HOT WATER	CD	- CONDENSATE DRAIN LINE
H.W.R.	- HOT WATER RETURN	RVD	- RELIEF VALVE DISCHARGE LINE
M.H.	- MANHOLE	180°	- DISHWASHER SUPPLY
F.C.O.	- FLUSH CLEANOUT	+	- HOSE BIB WITH BACKFLOW PREVENTER
H.B.	- HOSE BIB WITH BACKFLOW PREVENTER		- GATE VALVE
F.U.	- FIXTURE UNITS		- CHECK VALVE
R.W.L.	- RAIN WATER LEADER		- CONCENTRIC REDUCER
R.V.D.	- RELIEF DISCHARGE		- ECCENTRIC REDUCER
C.D.	- CONDENSATE DRAIN		- FLEXIBLE CONNECTION
C.B.	- CATCH BASIN		- UNION
D.D.	- DRAIN DECK		- STRAINER
P.D.	- PLANTER DRAIN		- GAGE COCK
S.T.	- STORM DRAIN		- TEMPERATURE GAGE
R.D.	- ROOF DRAIN		- PRESSURE GAGE
F.H.	- FIRE HYDRANT		- FLOW SWITCH
F.D.C.	- FIRE DEPT CONNECTION		- PRESSURE REDUCING VALVE
	- SANITARY RISER		- C.D. RISER
	- CW RISER		- R.V.L. RISER

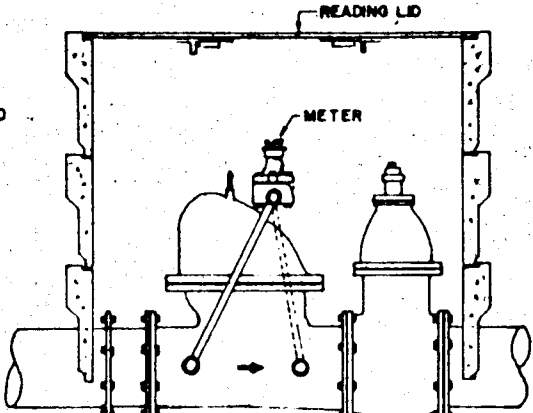


SITE PLAN
SCALE: 1" = 20'

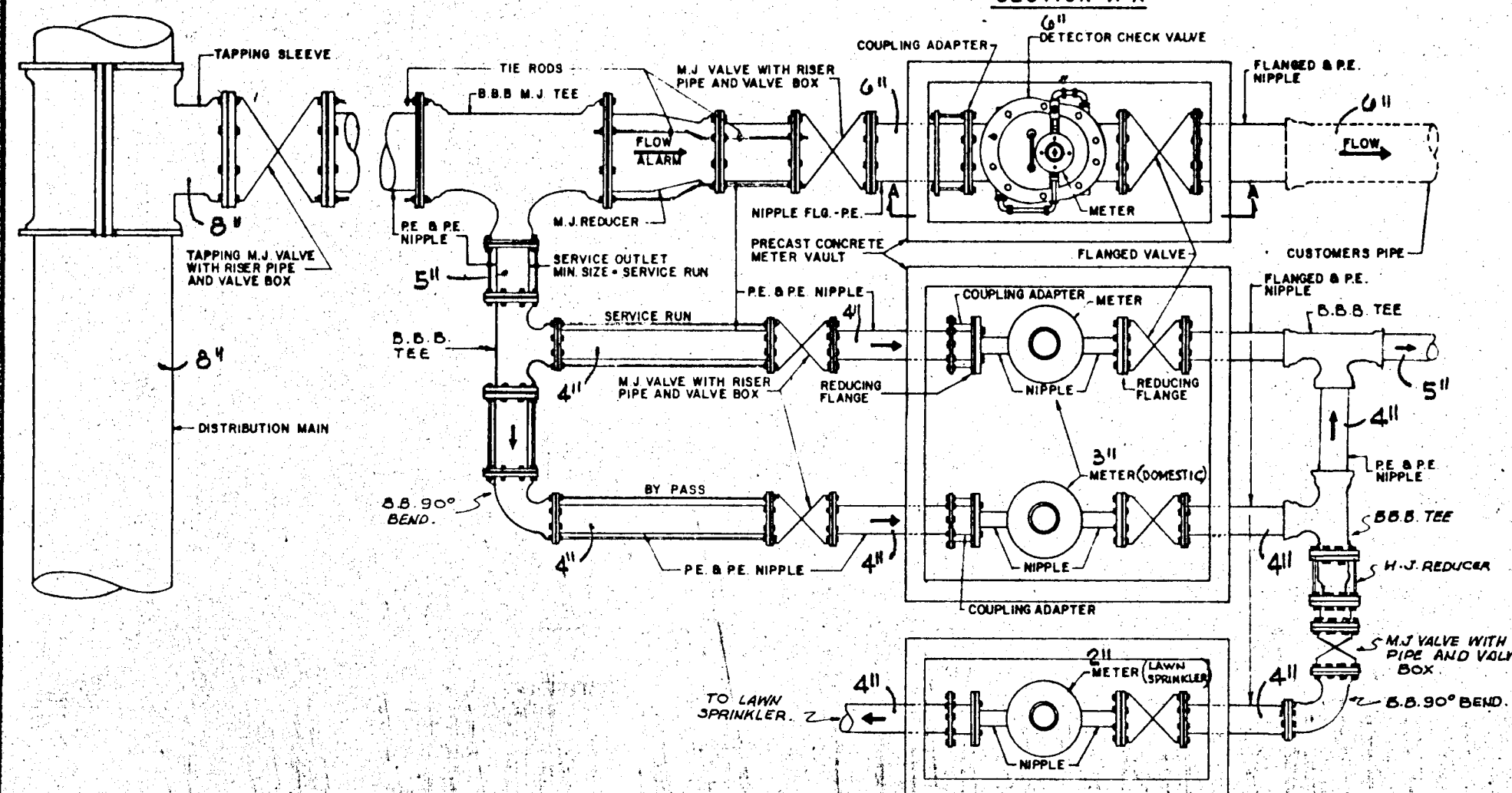


NOTES

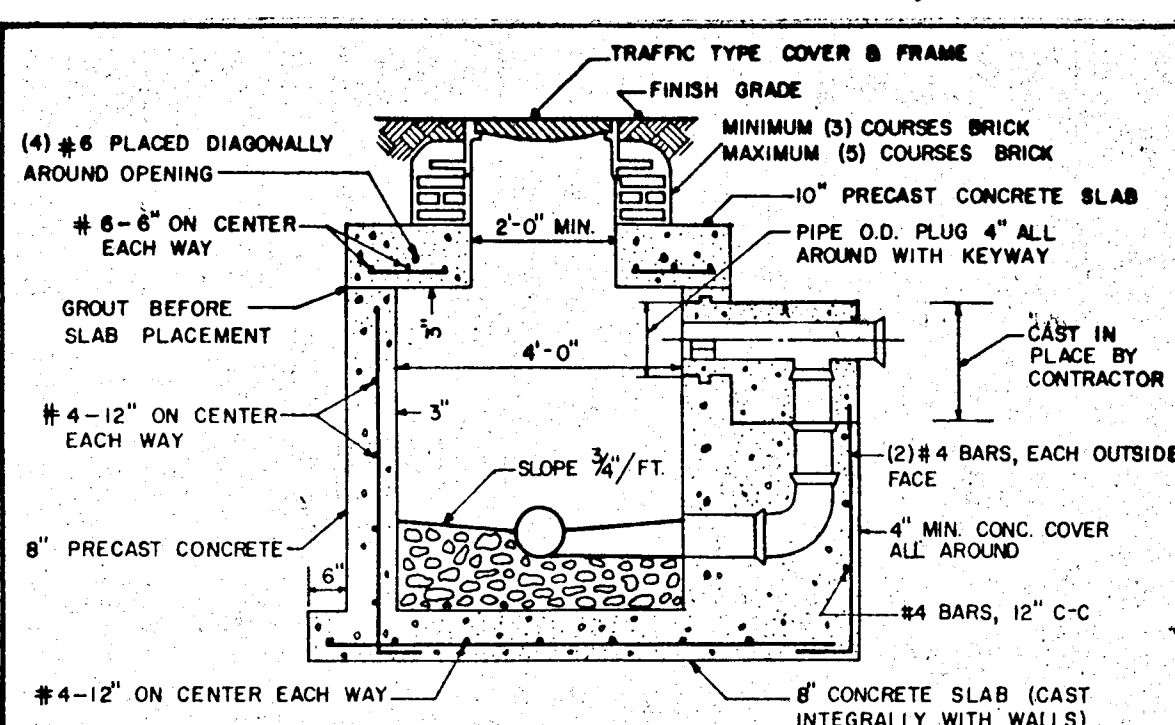
- 1- DETECTOR CHECK VALVE - UNDERWRITERS LAB INC. SPEC. UL-32 MSS-SP-71 OR EQUIV.
- 2- BACK TIES AND REIN. WITH CONCRETE TO UNDISTURBED GROUND OR RODED M.J.
- 3- MAIN SERVICE LINE SHALL HAVE CAPACITY EQUAL TO TOTAL OF FIRE AND DOMESTIC LINES.
- 4- METER SHALL BE LOCATED UNDER READING LID
- 5- VALVES SHALL BE IRON BODY BRONZE MOUNTED DOUBLE DISC PARALLEL OR INCLINED SEATS, NON-RISING STEM WITH 2" SQUARE OPERATING NUTS
- 6- SINGLE METERS MUST BE SET IN SERVICE RUN WITH OPEN GATE IN BYPASS
- 7- SOURCE AND INLET VALVES TO BE RODED



SECTION A-A



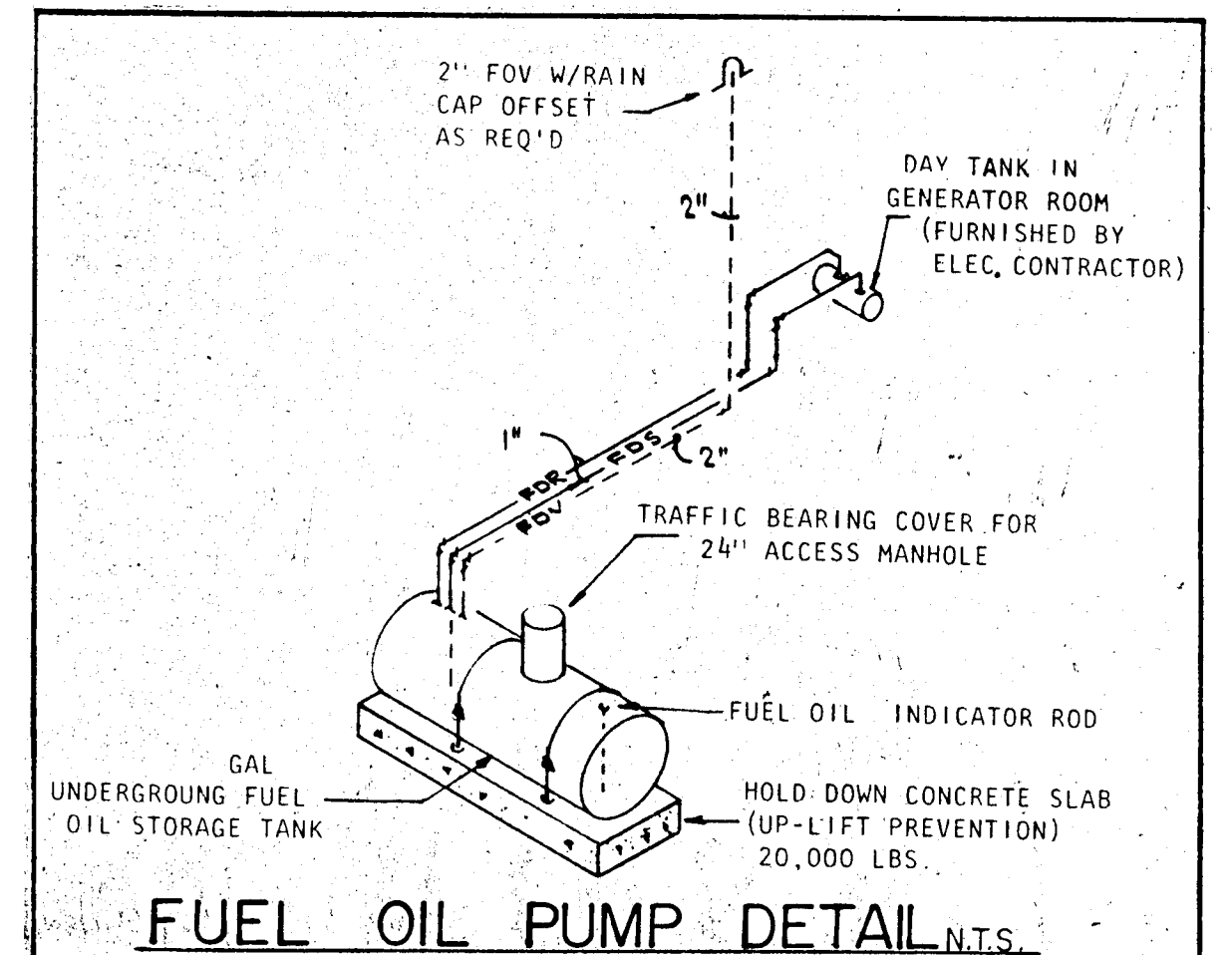
METER BANK DETAIL N.T.S.



PRECAST MANHOLE WITH DROP CONNECTION

NOTES:

- 1 - BRICK MASONRY TO BE STUCCOED WITH 3/4" MORTAR INSIDE AND OUTSIDE.
- 2 - THE FIRST THREE JOINTS OF PIPE AT BOTH INFLUENT AND EFFLUENT OF EACH MANHOLE TO BE 2'0" MAXIMUM IN LENGTH.
- 3 - PRECAST MANHOLE TO BE COATED INSIDE WITH 16 MIL THICKNESS APPROVED COATING.
- 4 - LIFT HOLES THROUGH PRECAST SECTIONS NOT PERMITTED.
- 5 - ALL OPENINGS SHALL BE SEALED WITH A WATERPROOF, EXPANDING GROUT.
- 6 - A FLOW CHANNEL SHALL BE CONSTRUCTED INSIDE MANHOLE TO DIRECT INFLUENT INTO FLOW STREAM.
- 7 - CONCRETE ENCASEMENT FOR DROP CONNECTION TO BE POURED INTEGRALLY WITH BOTH MANHOLE SLAB AND WALL.
- 8 - DROP CONNECTIONS SHALL BE REQUIRED WHENEVER AN INFLUENT SEWER IS LOCATED TWO (2) FEET OR MORE ABOVE THE MAIN INVERT CHANNEL.



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

REV.

SHEET NO.

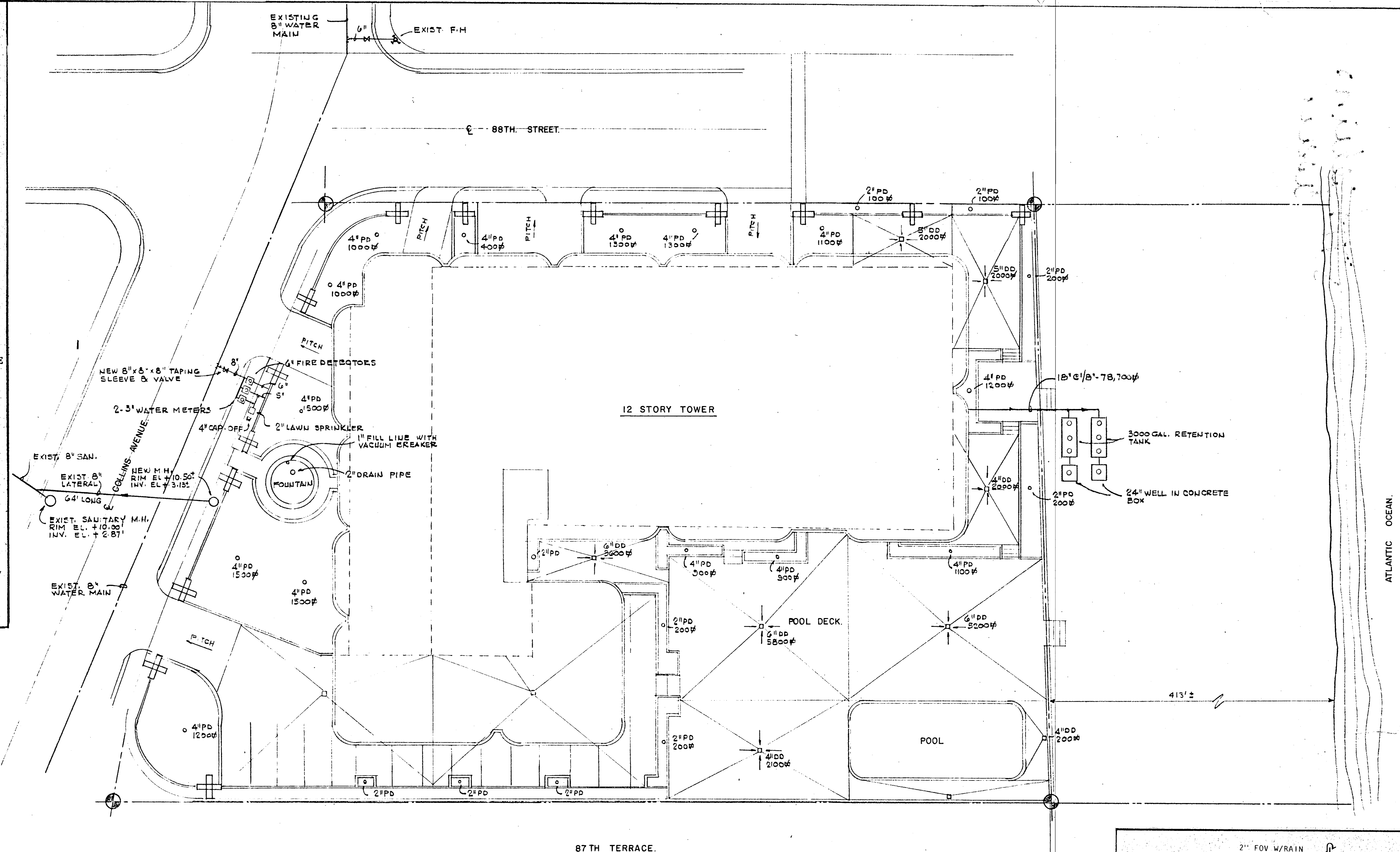
11 OF 11

SHEETS

FLORIDA
ENGINEERING
SERVICES
352 NE 167 STREET
MIAMI BCH, FLA.
33132 943-4743

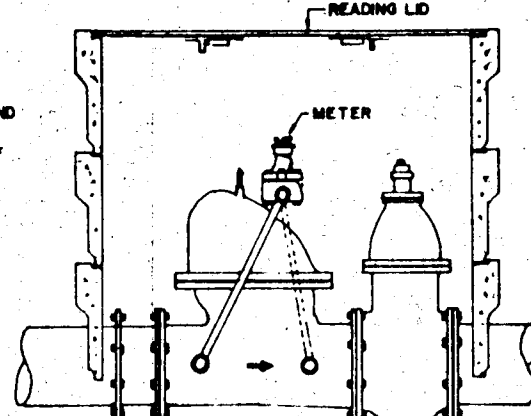
SYMBOLS & LEGEND

L	- LAVATORY	F.H.C.	- FIRE HOSE CABINET
W.C.	- WATER CLOSET	F.D.V.	- FIRE DEPT. VALVE
T	- TUB	F.X.	- FIRE EXTINGUISHER
SH.	- SHOWER	P.R.V.	- PRESSURE REDUCING VALVE
SK.	- SINK	SPK.	- SPRINKLER
DW.	- DISHWASHER	G.	- GAS
DISP.	- DISPOSAL	F.O.S.	- FUEL OIL SUPPLY
BID.	- BIDET	F.O.R.	- FUEL OIL RETURN
W.M.	- CLOTHES WASHER	F.O.V.	- FUEL OIL VENT
UR.	- URINAL	N.O.	- NORMALLY OPENED
S.SK.	- SERVICE SINK	N.G.	- NORMALLY CLOSED
D.F.	- DRINKING FOUNTAIN		- SOIL OR WASTE LINE
C.O.	- FLOOR DRAIN WITH RESEAL		- VENT LINE
S.S.	- CLEANOUT		- STORM DRAIN LINE
V	- SOIL STACK		- INDIRECT DRAIN LINE
V.T.R.	- VENT		- COLD WATER LINE
V.S.	- VENT THRU ROOF		- HOT WATER LINE
W	- VENT STACK		- HOT WATER RETURN LINE
C.W.	- WASTE	F	- FIRE LINE
H.W.	- COLD WATER	G	- GAS LINE
H.W.R.	- HOT WATER	CD	- CONDENSATE DRAIN LINE
M.H.	- HOT WATER RETURN	RVD	- RELIEF VALVE DISCHARGE LINE
F.C.O.	- MANHOLE	180°	- DISHWASHER SUPPLY
H.B.	- FLUSH CLEANOUT	+	- HOSE BIB WITH BACKFLOW PREVENTER
F.U.	- HOSE BIB WITH BACKFLOW PREVENTER		- GATE VALVE
R.W.L.	- FIXTURE UNITS		- CHECK VALVE
R.V.D.	- RAIN WATER LEADER		- CONCENTRIC REDUCER
C.D.	- RELIEF DISCHARGE		- ECCENTRIC REDUCER
C.B.	- CONDENSATE DRAIN		- FLEXIBLE CONNECTION
D.D.	- CATCH BASIN		- UNION
P.D.	- DRAIN DECK		- STRAINER
S.T.	- PLANTER DRAIN		- GAGE COCK
R.D.	- STORM DRAIN		- TEMPERATURE GAGE
F.H.	- ROOF DRAIN		- PRESSURE GAGE
F.D.C.	- FIRE HYDRANT		- FLOW SWITCH
	- FIRE DEPT CONNECTION		- PRESSURE REDUCING VALVE
	- SANITARY RISER		- C.P. RISER
	- CW RISER		- R.V.D. RISER

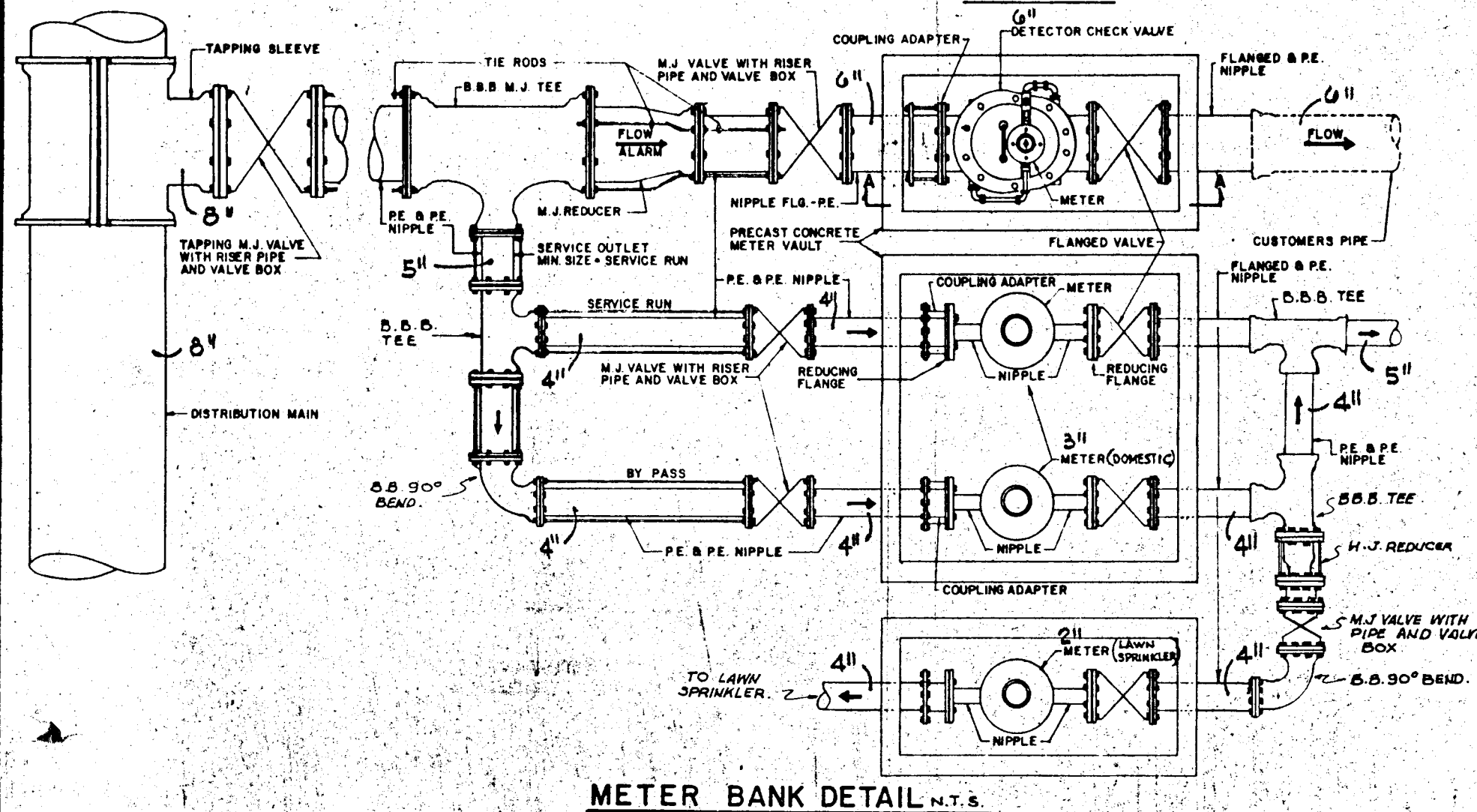


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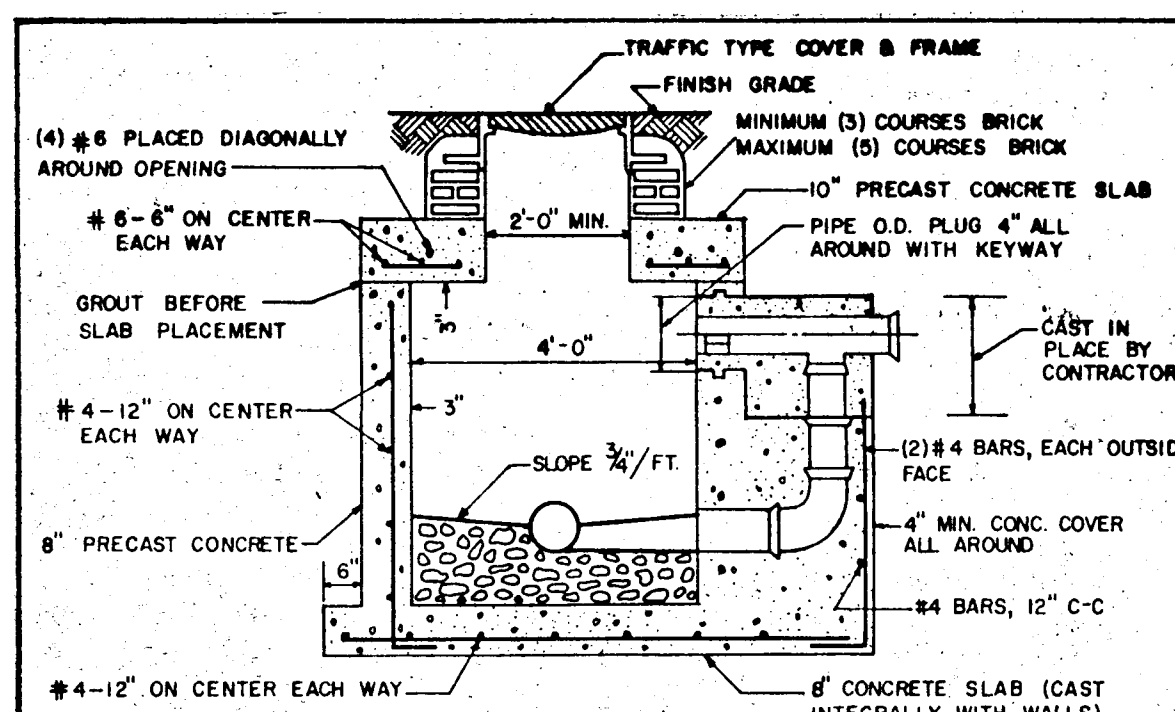
- 1- DETECTOR CHECK VALVE UNDERWRITERS LAB INC. SPEC. 14-32 MSS-39-71 OR EQUIV.
- 2- BACK TEES AND ELBS WITH CONCRETE TO UNDISTURBED GROUND OR ROODED M.J.
- 3- MAIN SERVICE LINE SHALL HAVE CAPACITY EQUAL TO TOTAL OF FIRE AND DOMESTIC LINES.
- 4- METER SHALL BE LOCATED UNDER READING LID.
- 5- VALVES SHALL BE NON-ROOF, BRONZE MOUNTED DOUBLE DISC PARALLEL OR INCLINED SEATS, NON-RISING STEM WITH 2\"/>



SECTION A-A



METER BANK DETAIL N.T.S.



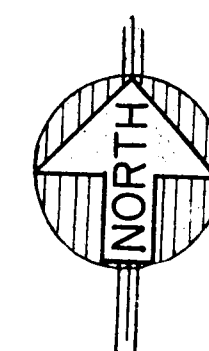
PRECAST MANHOLE WITH DROP CONNECTION

NOTES:

- 1 - BRICK MASONRY TO BE STUCCOED WITH 3/4\"/>

SITE PLAN

SCALE: 1\"/>

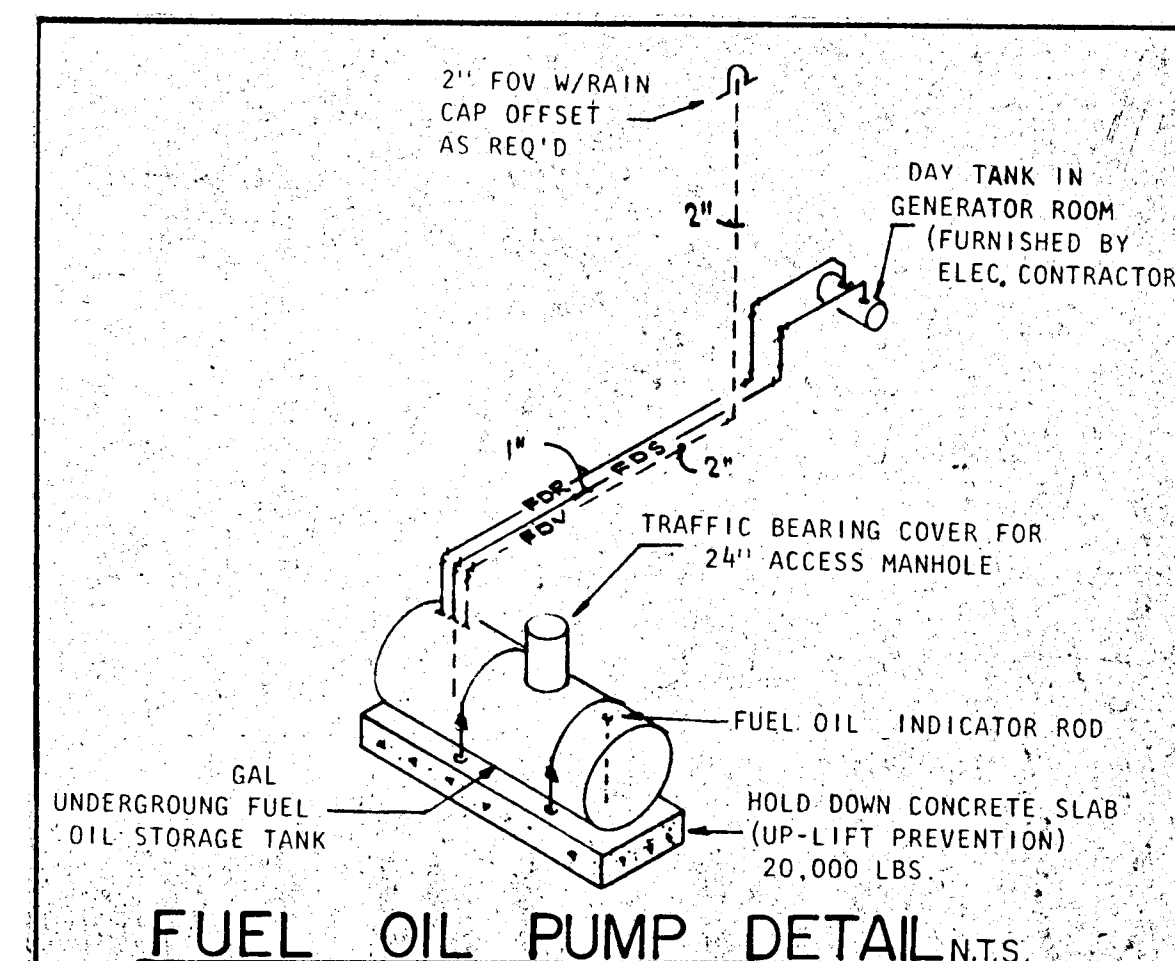


APPROVED BY
DADE COUNTY FIRE DEPARTMENT
SPK. BLDG. PERMIT *OK* ON-SITE
WATER MAIN EXTENSION
DATE 11-9-79 BY *[Signature]*

**TIME APPROVAL
REQUIRED FOR C.O.**

DEPT. OF ENVIRONMENTAL
RESOURCES MANAGEMENT
METROPOLITAN DADE COUNTY
ENVIRONMENTAL
FACILITIES ONLY
APPROVED
BY # 92924 JAS.
DATE NOV - 9 1979

NOTICE: This Building Permit is issued predicated upon "Application and Acceptance of Conditional Building Permit and Estoppel Notice", and is subject to the conditions contained therein. *DERM.*



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

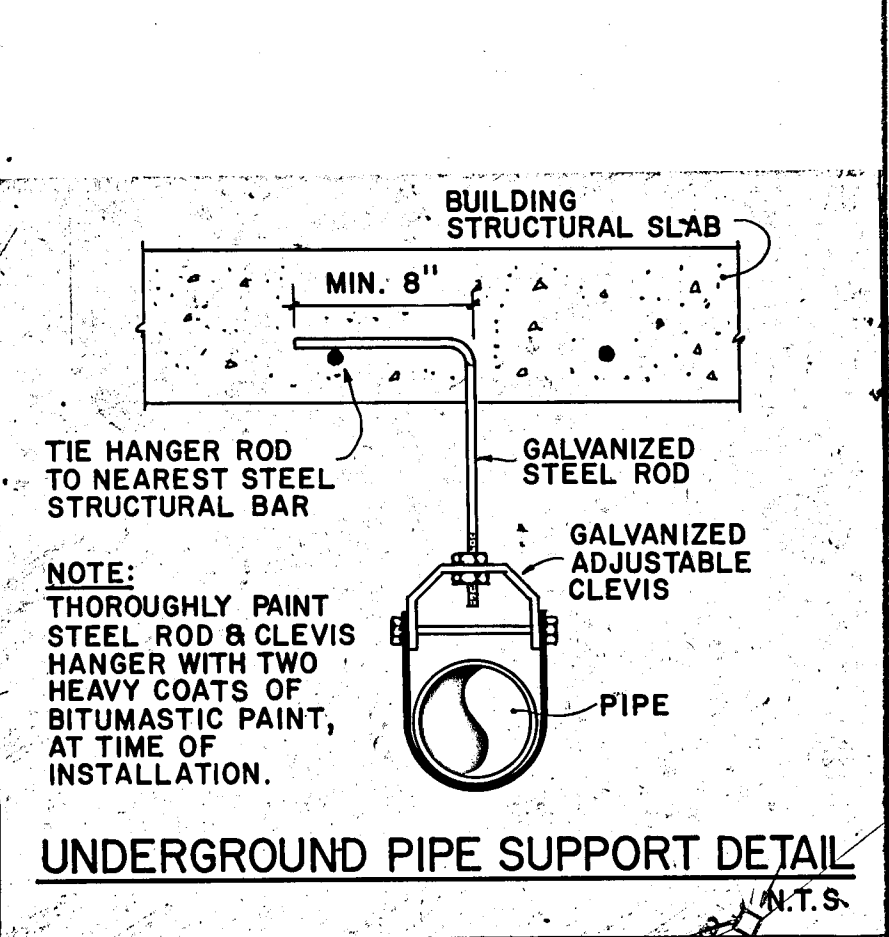
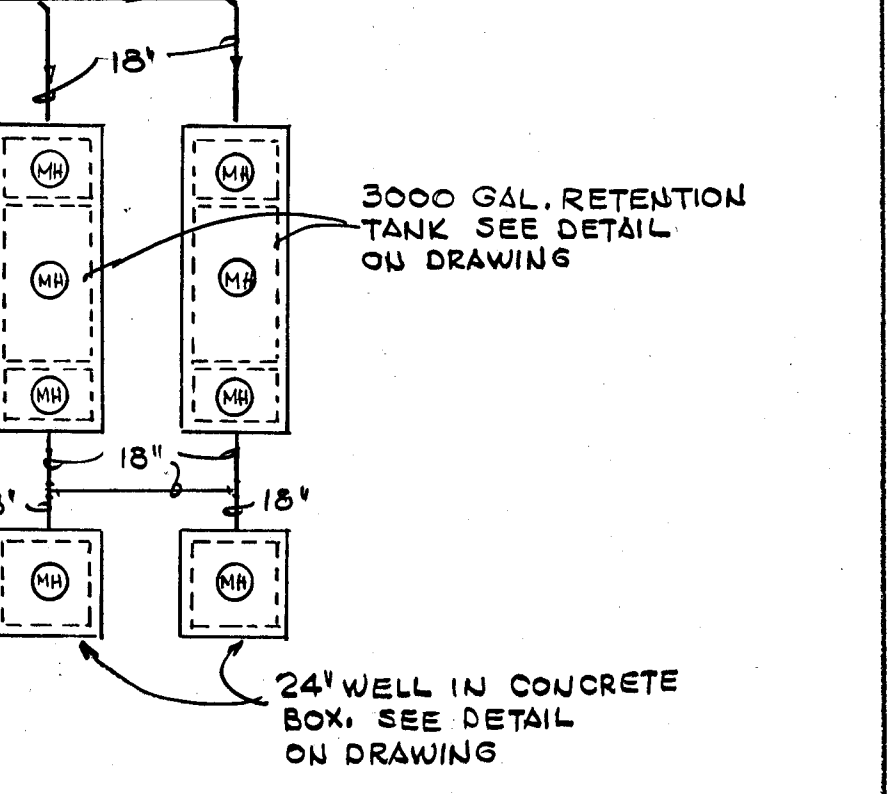
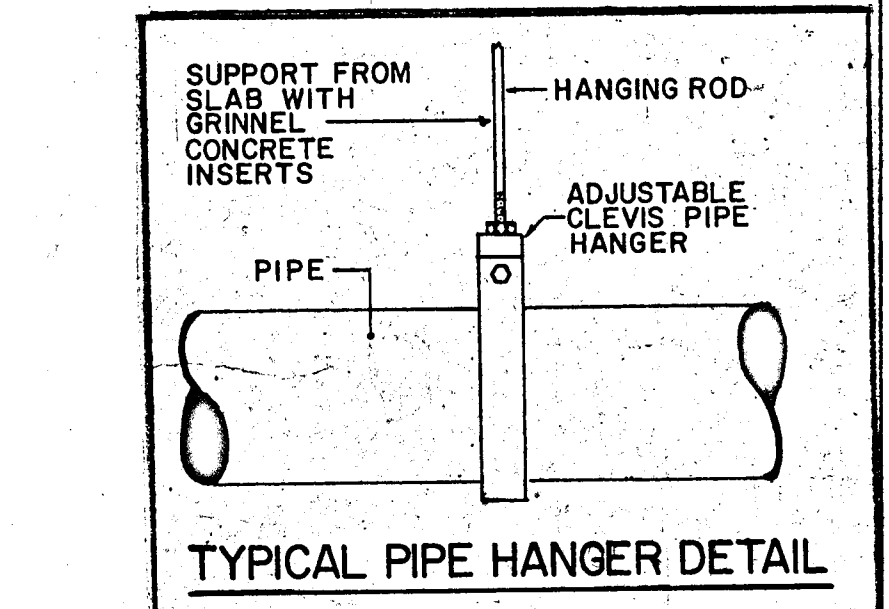
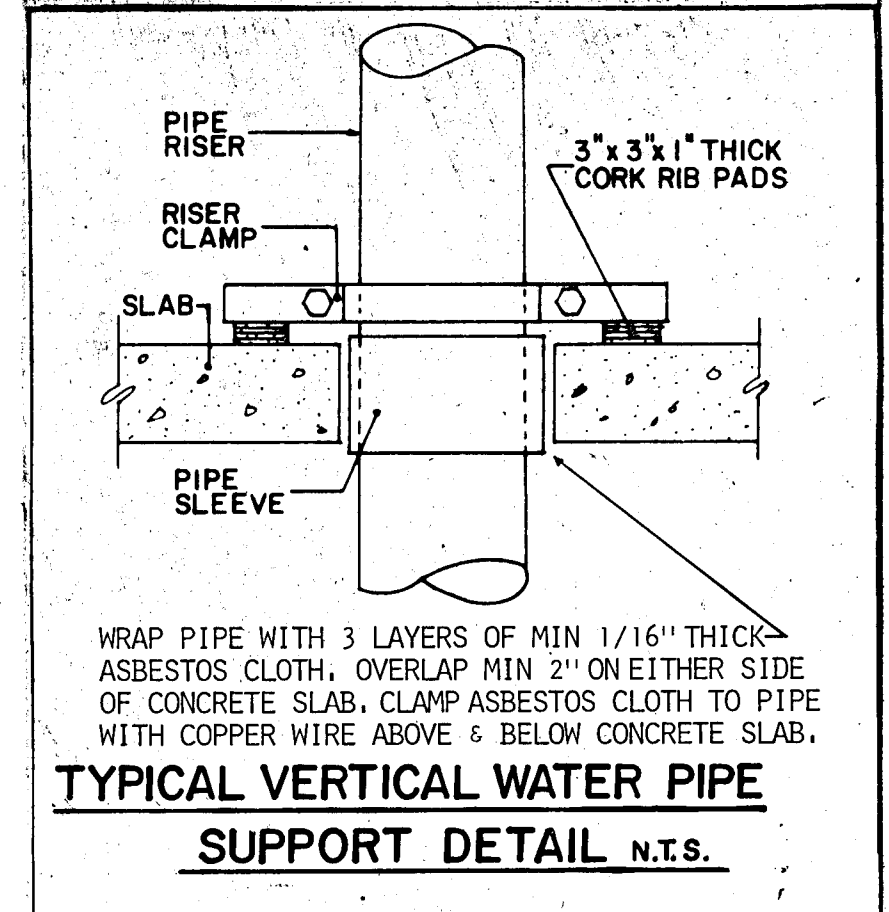
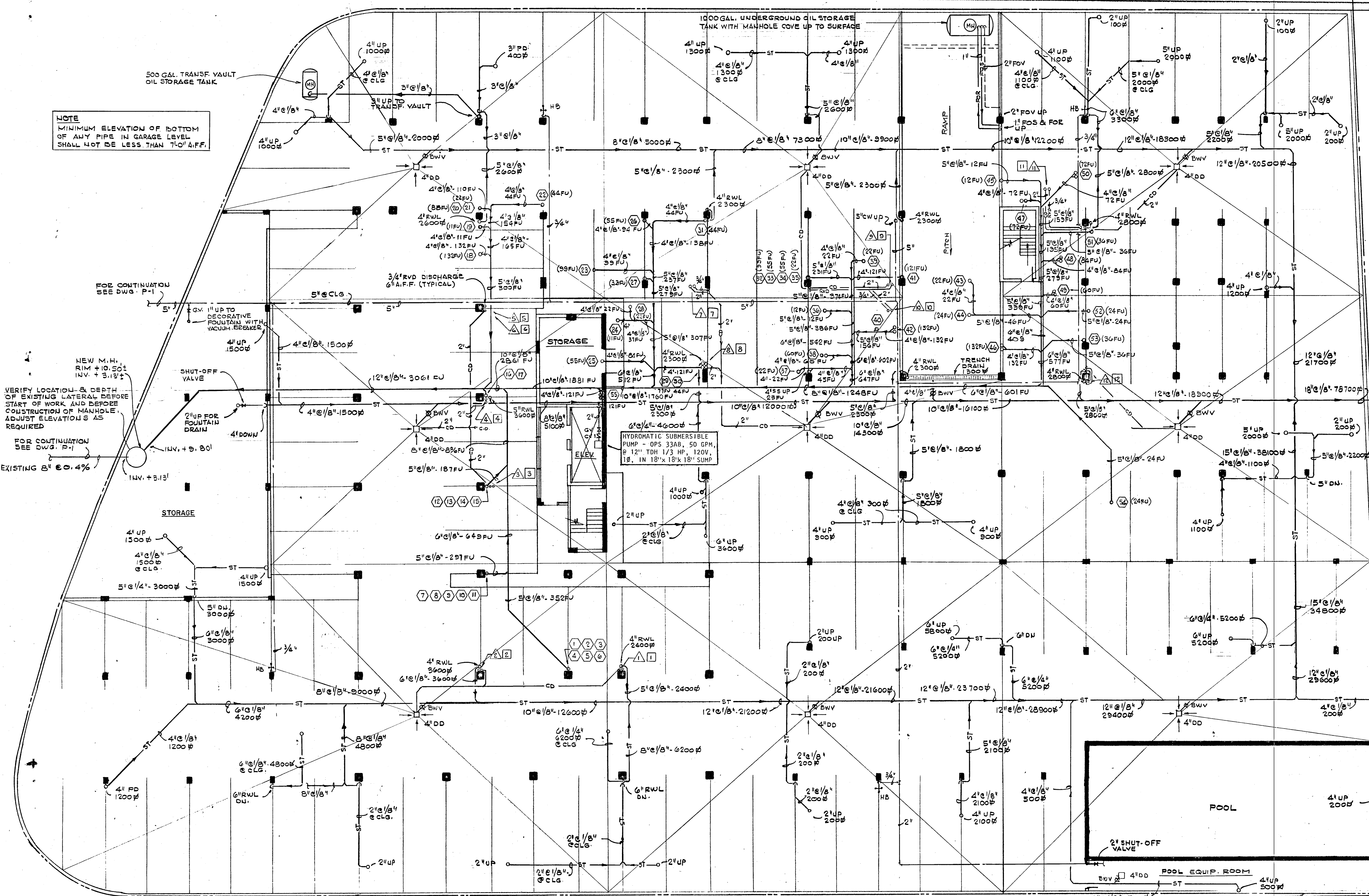
A- 135 UNIT CONDOMINIUM

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

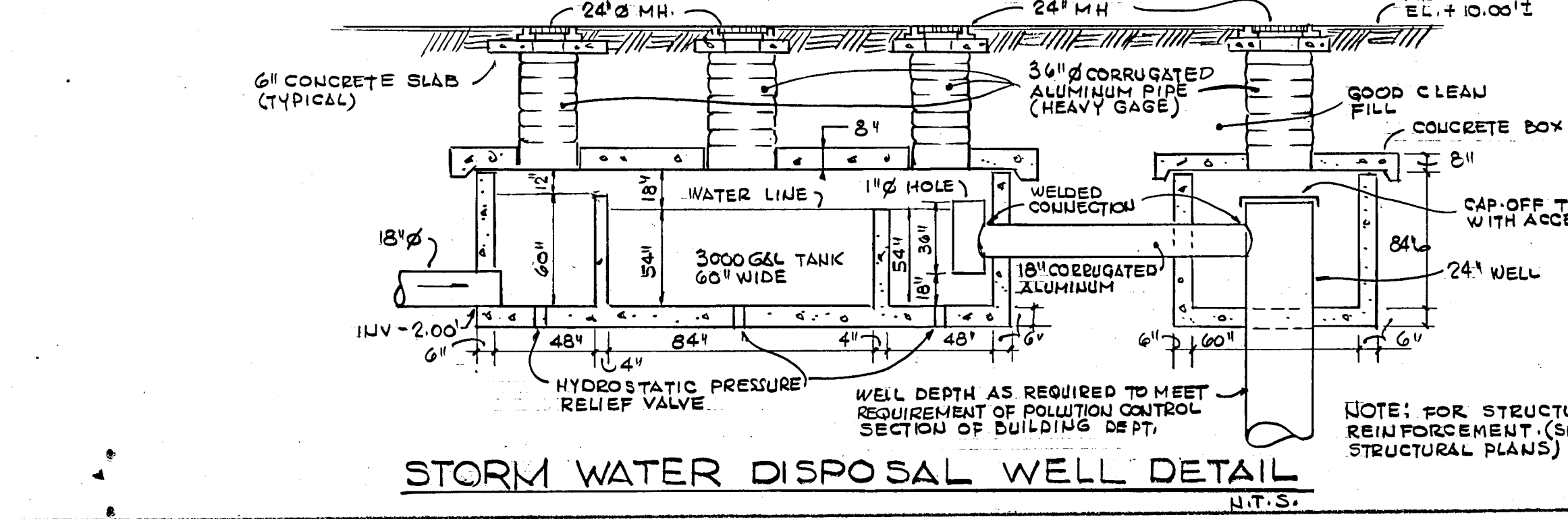
REV. 121 OF 11 SHEETS

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

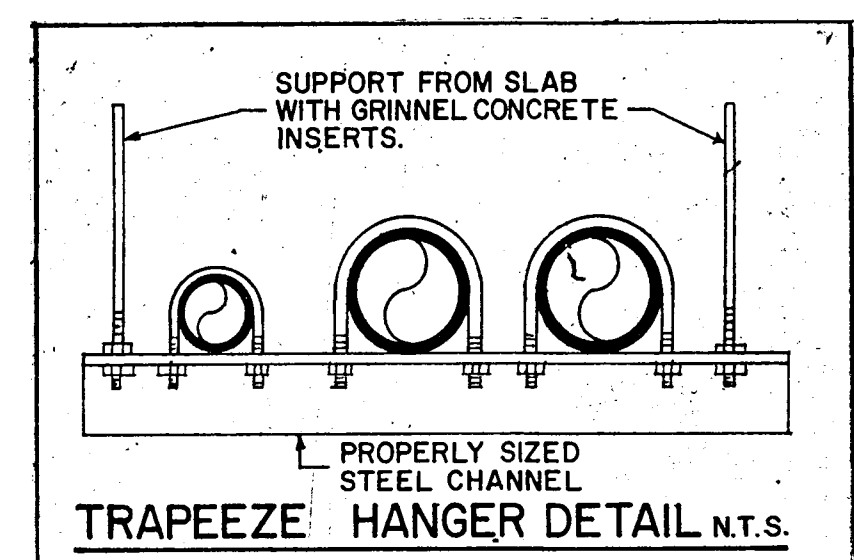
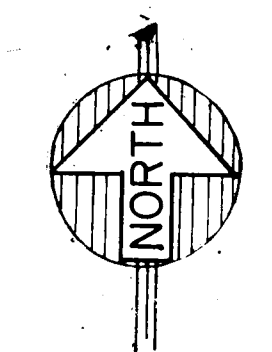
NOTE
MINIMUM ELEVATION OF BOTTOM
OF ANY PIPE IN GARAGE LEVEL
SHALL NOT BE LESS THAN 7'-0" A.F.F.



NOTE:
ALL PLUMBING LINES EXPOSED TO VEHICULAR TRAFFIC
SHALL BE PROTECTED WITH STEEL ANGLES AS REQUIRED
TO A HEIGHT OF 4 FT. A.F.F.



GARAGE LEVEL-FLOOR PLAN
SCALE: 3/32\"/>

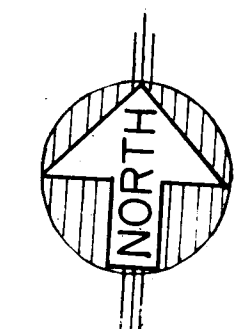
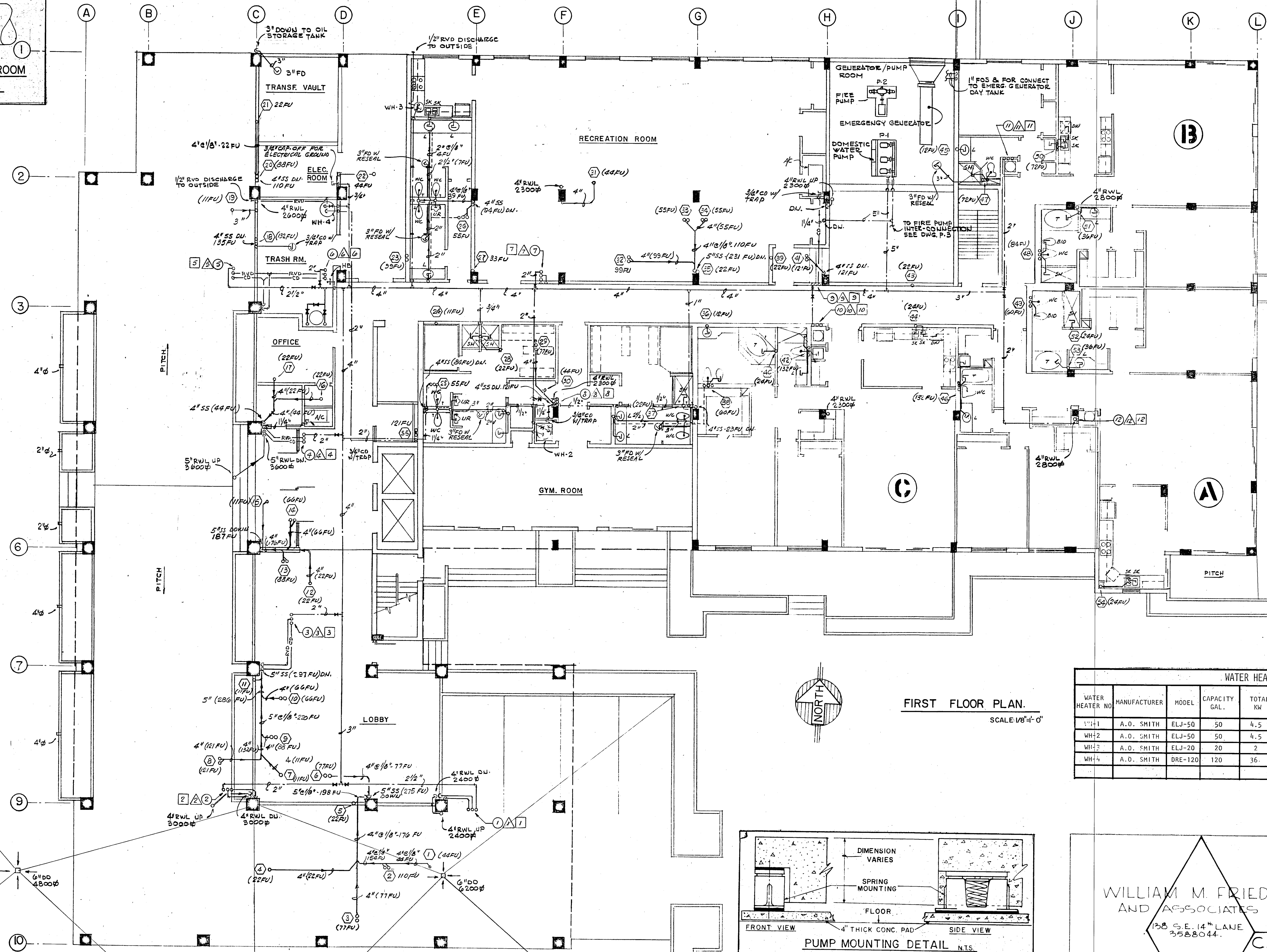
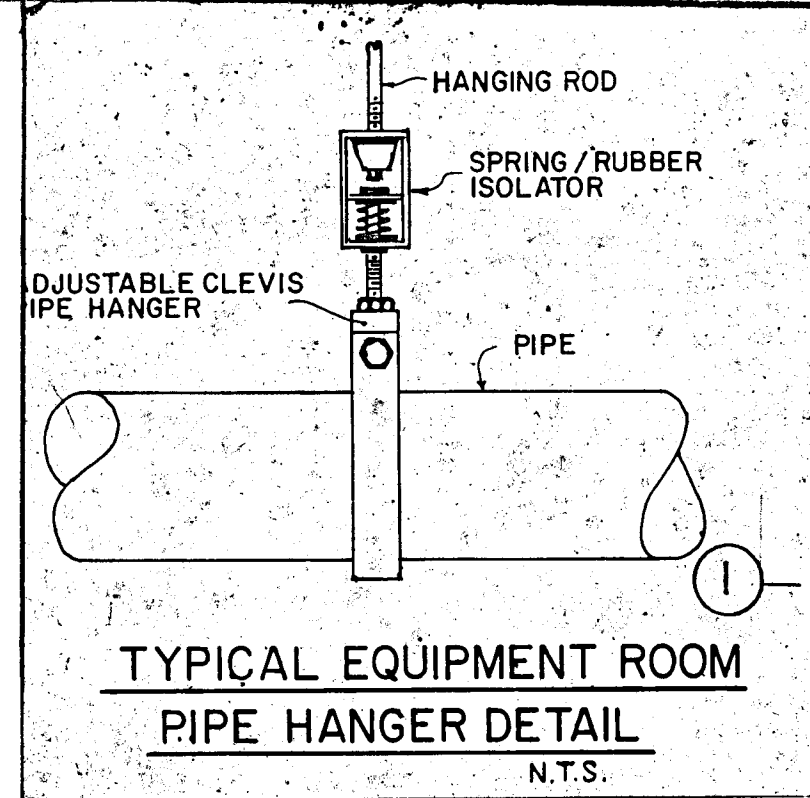


WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3358044

CHAMPLAIN TOWERS SOUTH
A-135 UNIT CONDOMINIUM
COMM. No. DATE: 8-13-79 SHEET No. 12 OF 11 SHEETS

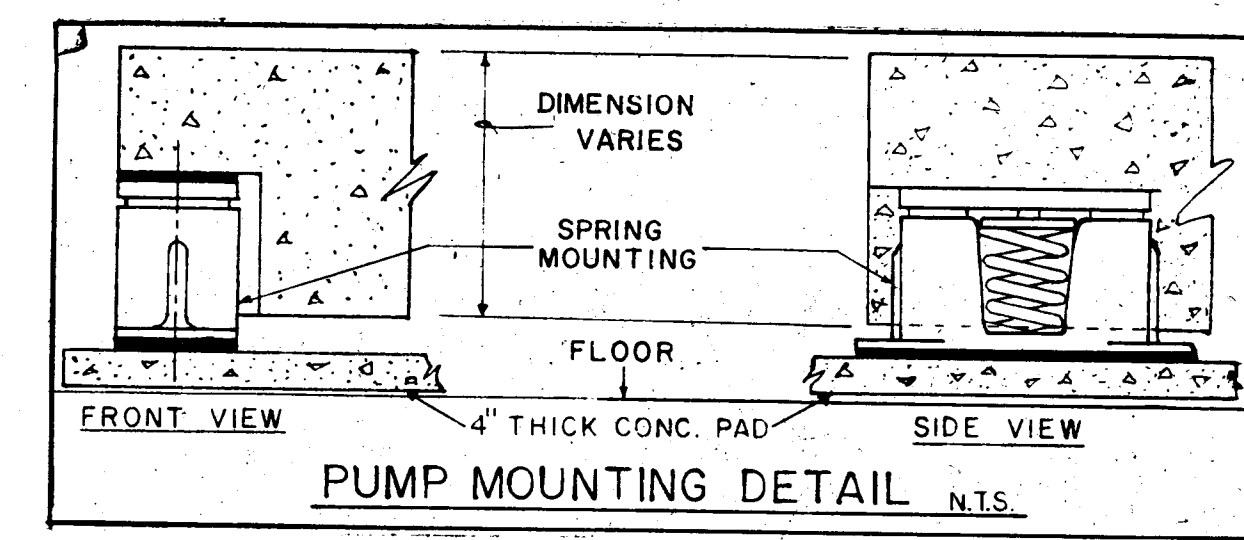
FLORIDA
REGISTERED
ENGINEERING
SERVICES
21 NE 167 STREET
FT. LAUDERDALE, FL 33305
293-4723

Salmon, Michael
8/13/79



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

WATER HEATER SCHEDULE							
WATER HEATER NO.	MANUFACTURER	MODEL	CAPACITY GAL.	TOTAL KW	VOLTAGE	ELEMENTS (NON-SIMULTANEOUS)	GUARANTEE
WH-1	A.O. SMITH	ELJ-50	50	4.5	208-1-60	2	5
WH-2	A.O. SMITH	ELJ-50	50	4.5	208-1-60	2	5
WH-3	A.O. SMITH	ELJ-20	20	2	208-1-60	2	5
WH-4	A.O. SMITH	DRE-120	120	36	208-3-60	2	5

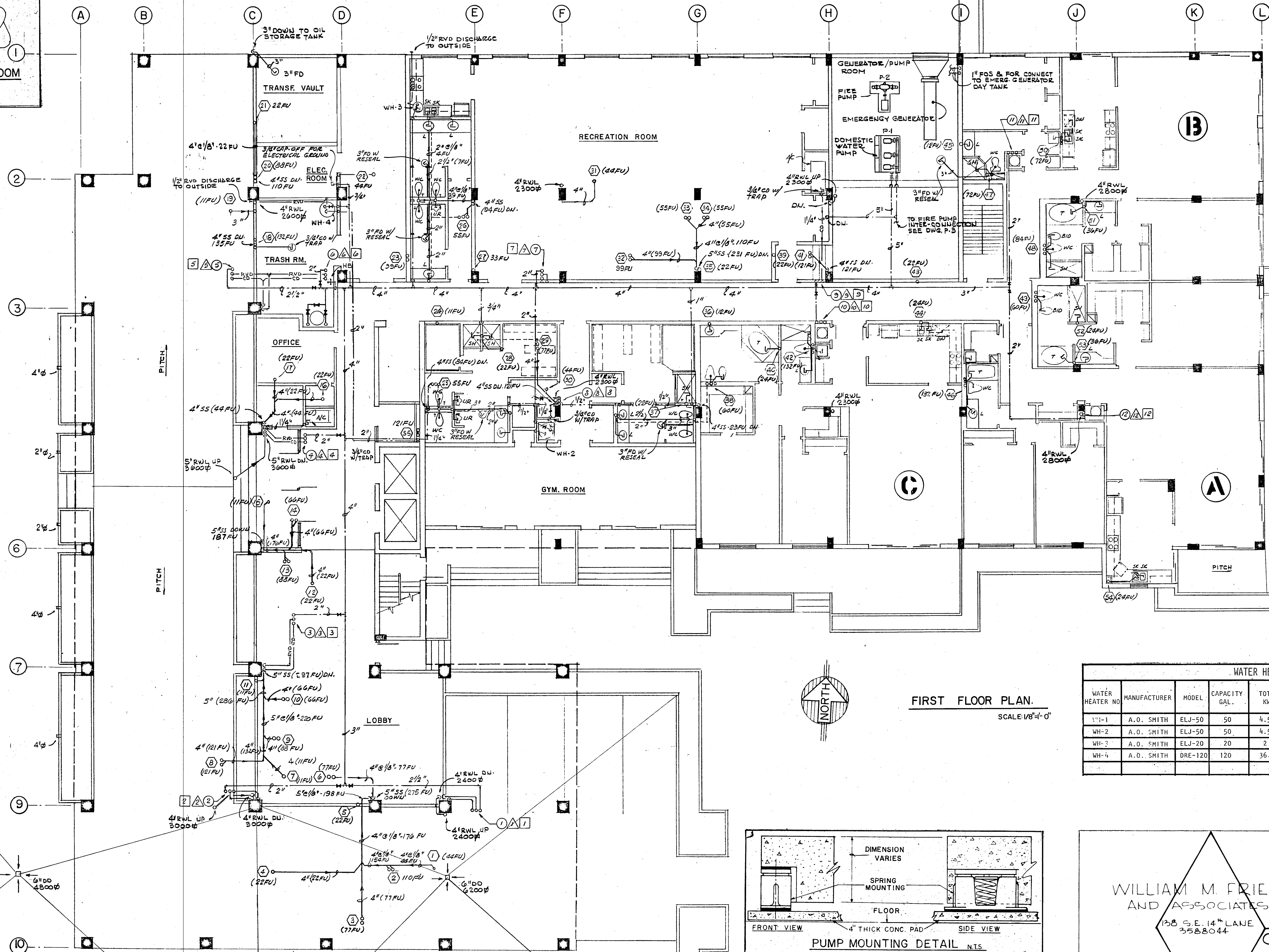


WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14TH LANE
3588044

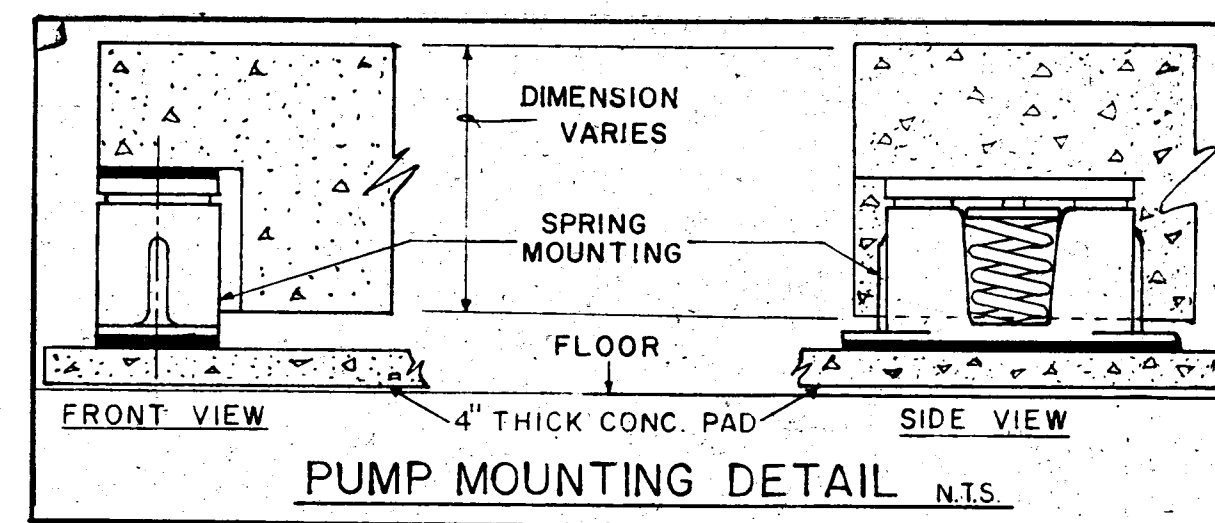
CHAMPLAIN TOWERS SOUTH
A- 135 UNIT CONDOMINIUM
COMM. NO. DATE: 8-13-79
REV: 13 OF 11 SHEETS

FLORIDA ENGINEERING SERVICES
352 NE 17TH STREET
MIAMI, FLA 33132 943-4743

8/13/79

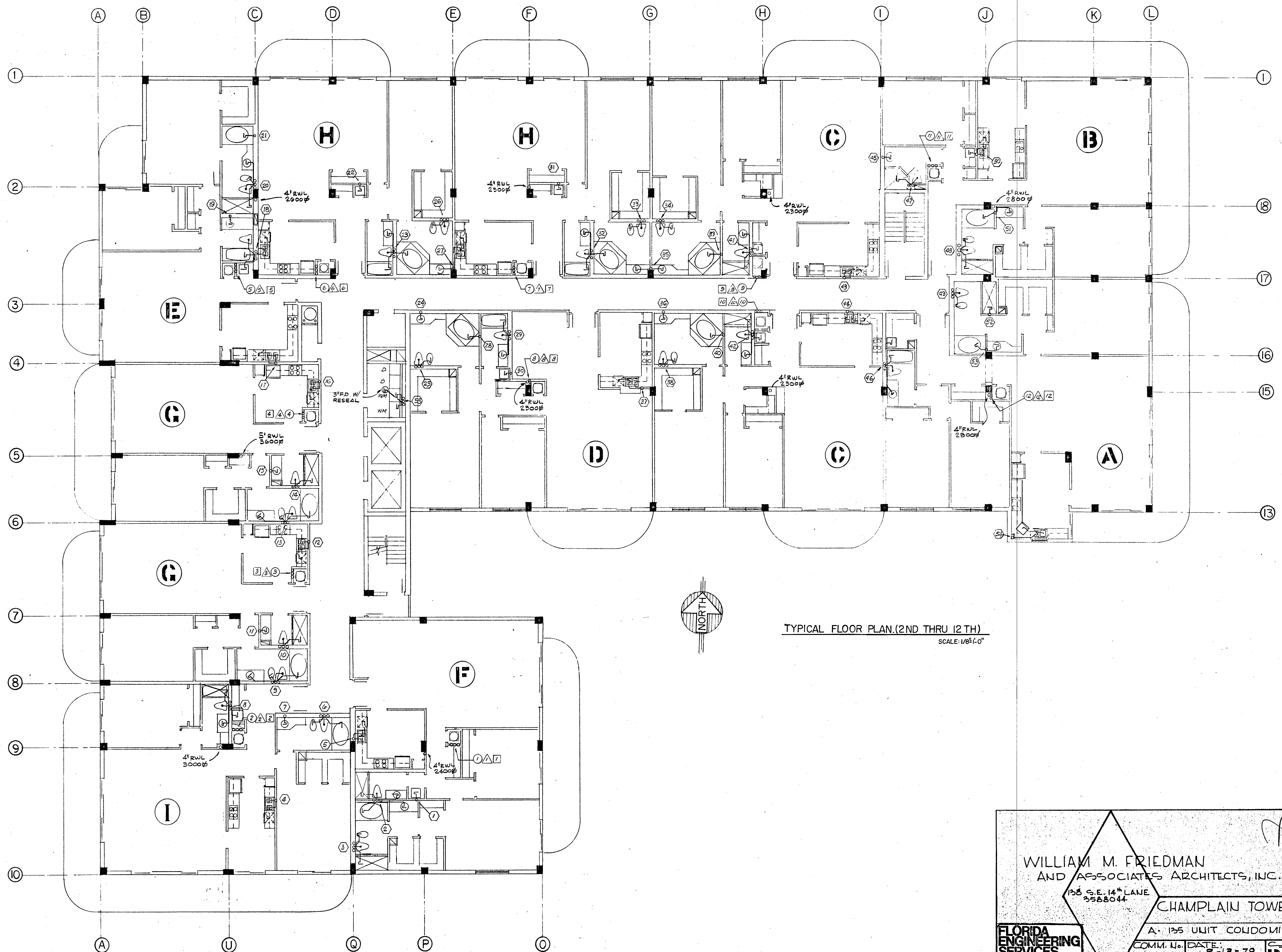


SCALE: 1/8"=1'-0"



13 OF 11
SHEETS

**FLORIDA
ENGINEERING
SERVICES**
352 NE 167 STREET
MIAMI BCH, FLA
33162 945-4741



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

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
136 S.E. 14TH LANE
3588644

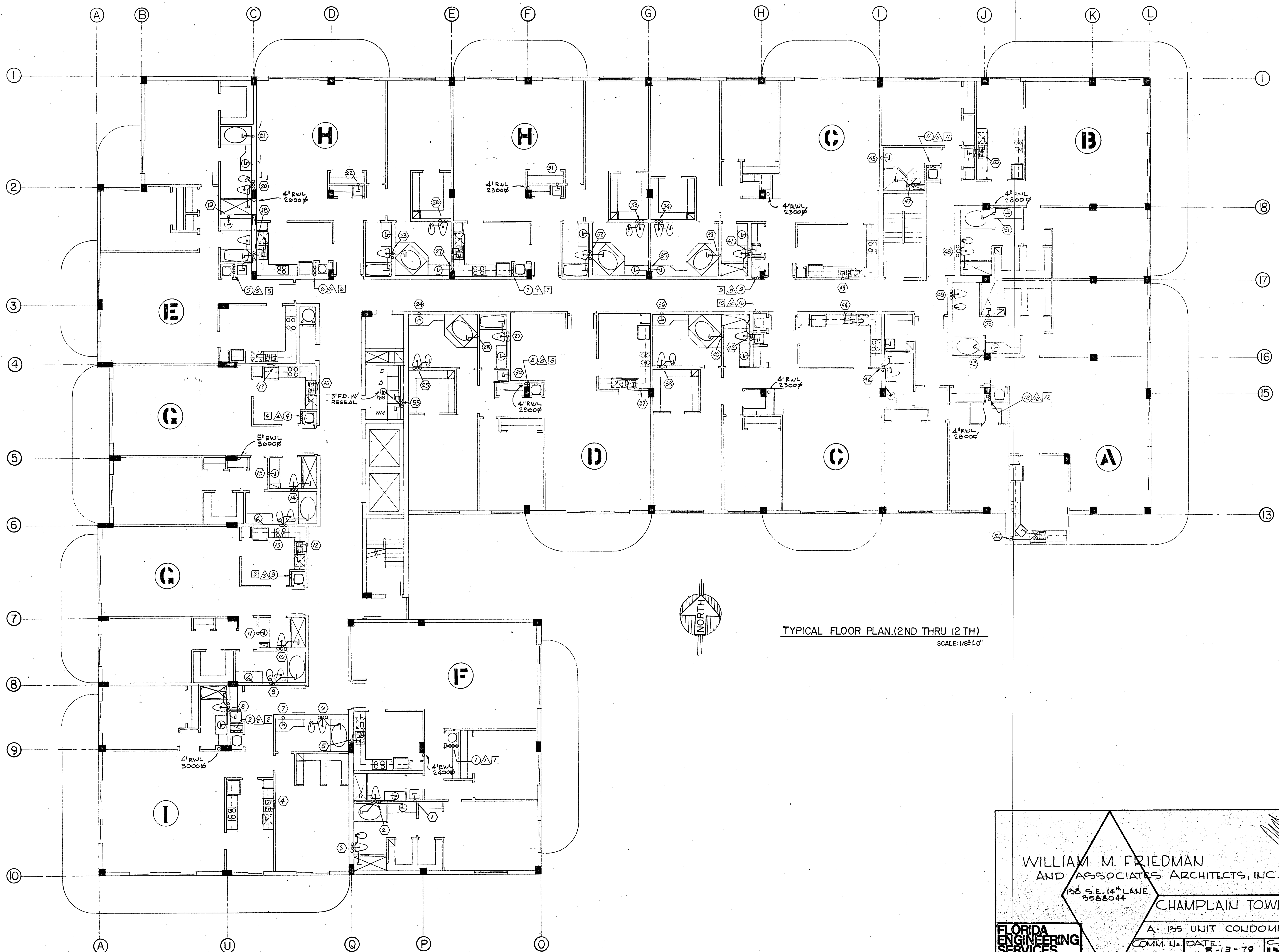
CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

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

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

6/13/79



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

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
33162

CHAMPLAIN TOWERS SOUTH

A. 135 UNIT CONDOMINIUM

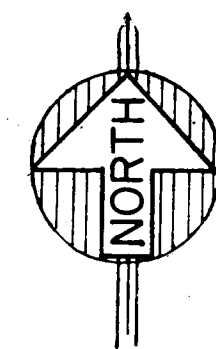
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REV. 124 of 11 SHEETS

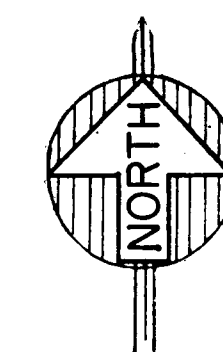
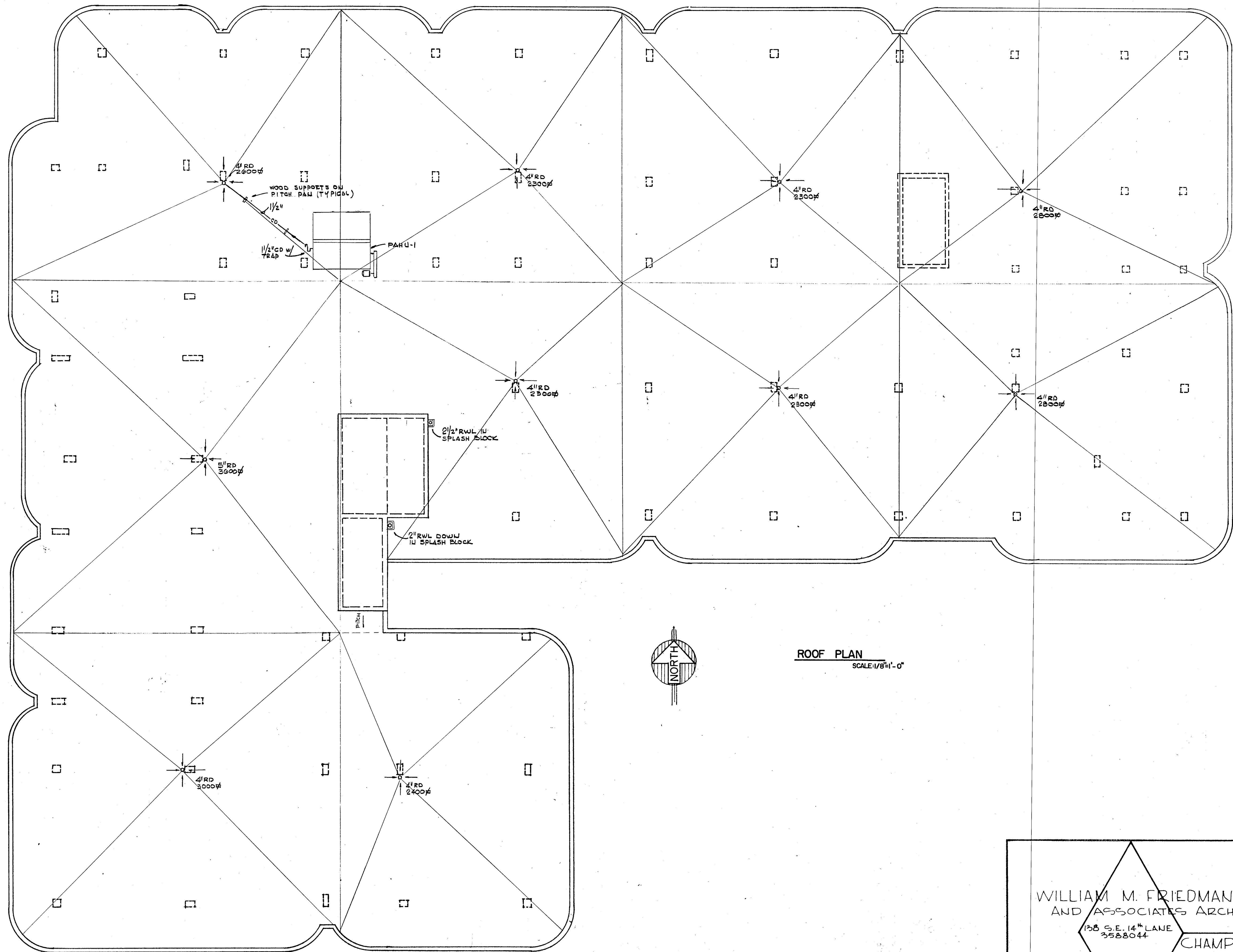
FLORIDA
ENGINEERING
SERVICES

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

Salomon
9/13/79



Salonville



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

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

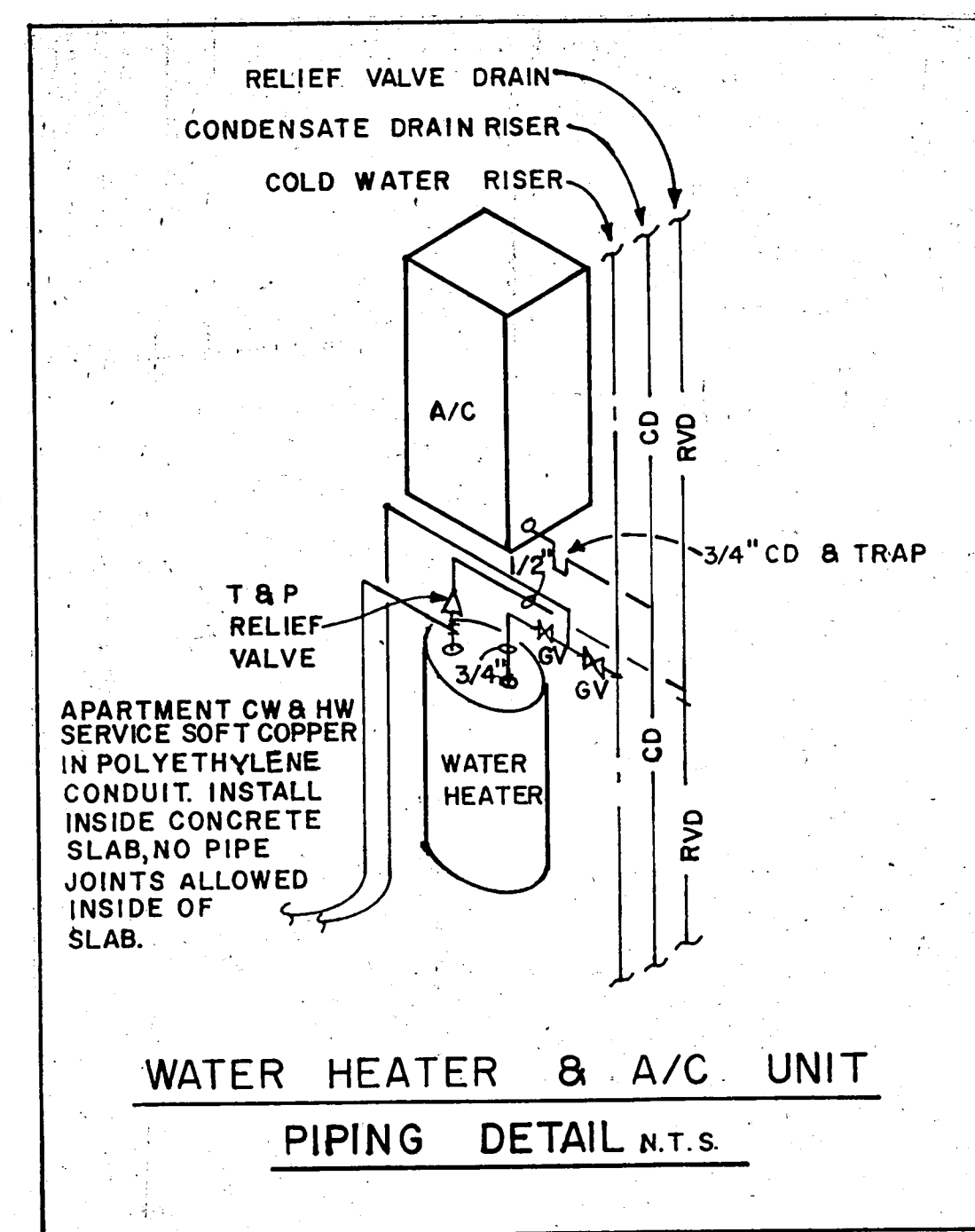
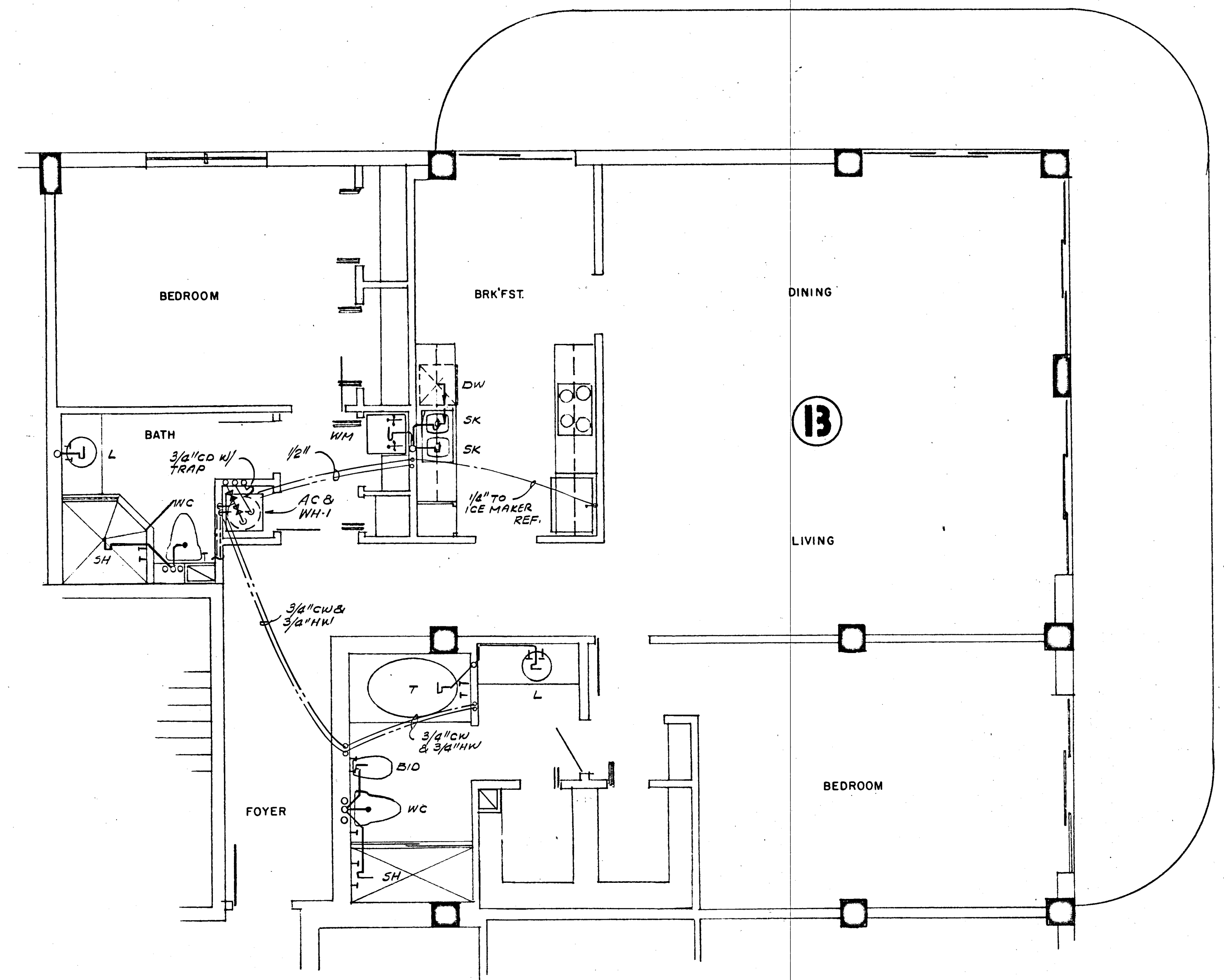
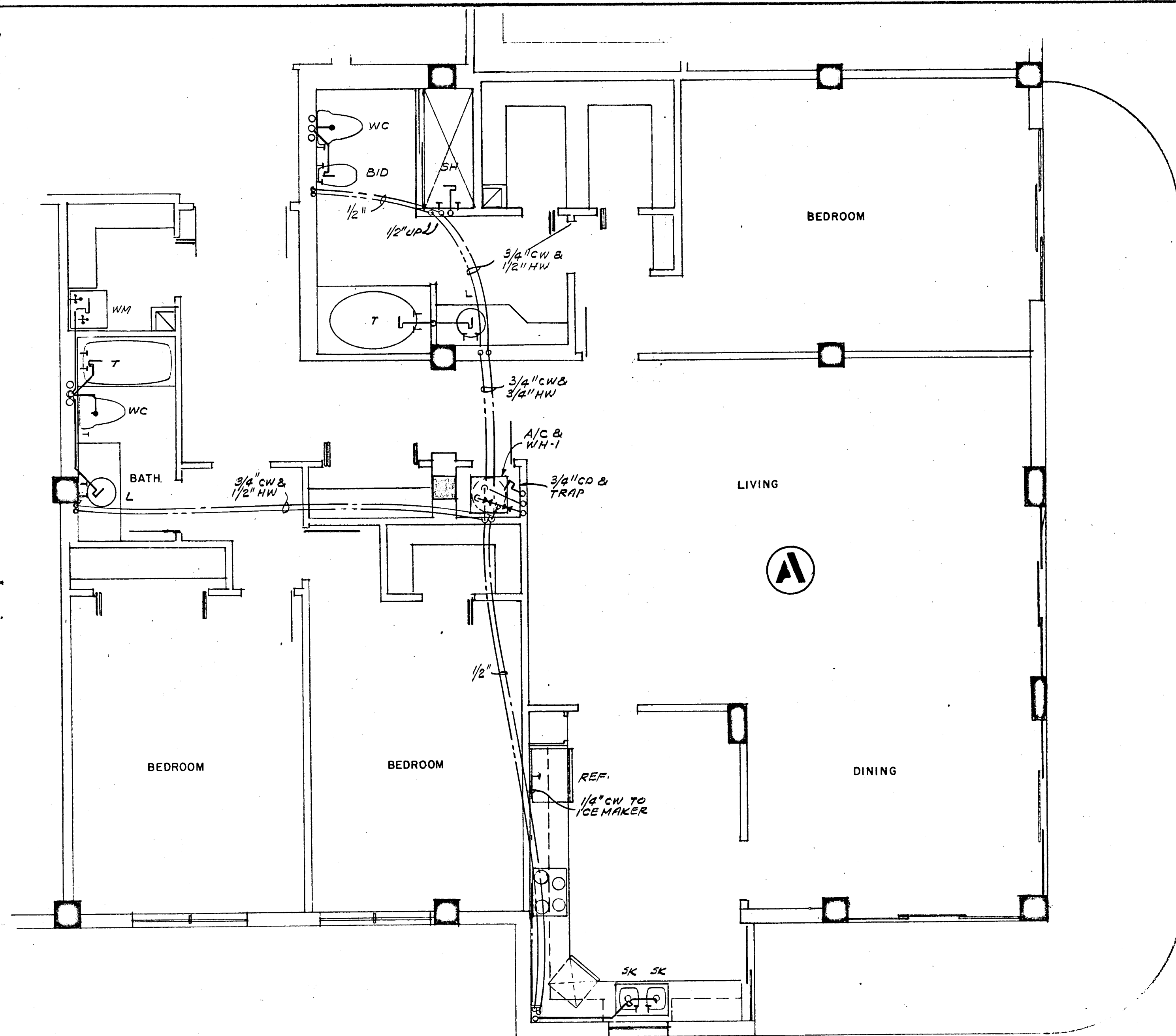
A- 135 UNIT CONDOMINIUM

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

REV. 15 OF 11 SHEETS

FLORIDA
ENGINEERING
SERVICES
252 NE 17TH STREET
MIAMI BEACH, FLA.
33132 845-4743

Salvatore M. Mueni
8/13/79



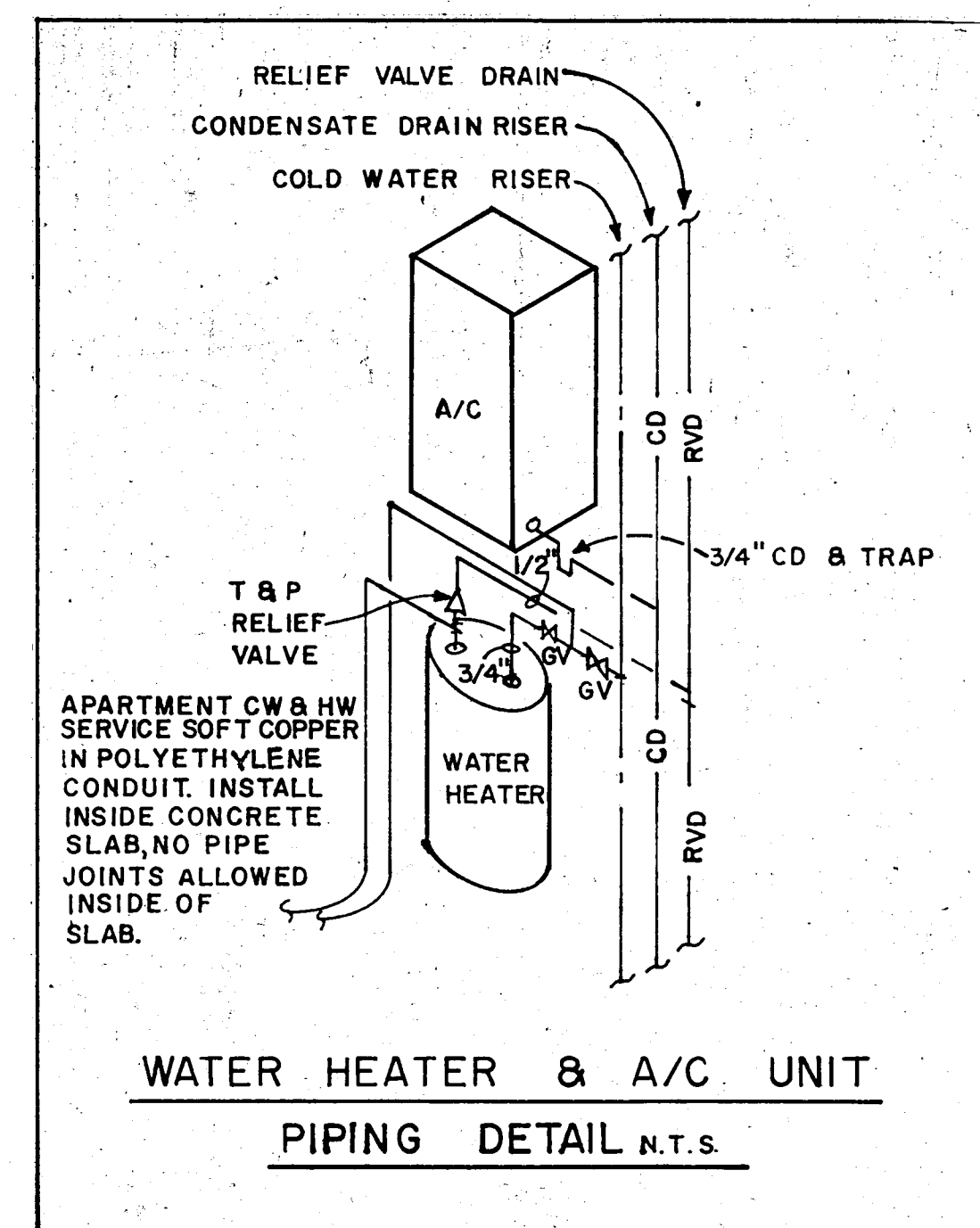
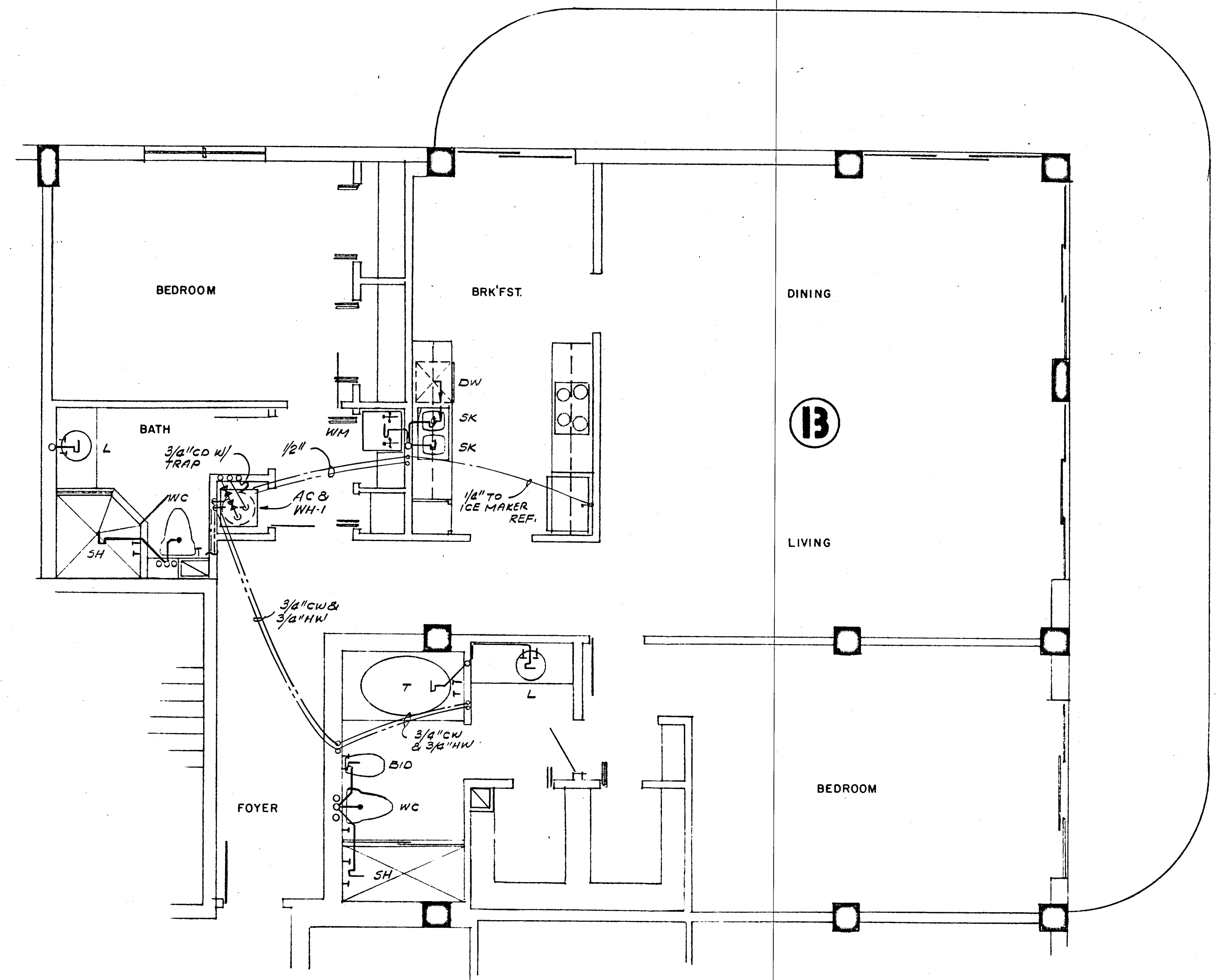
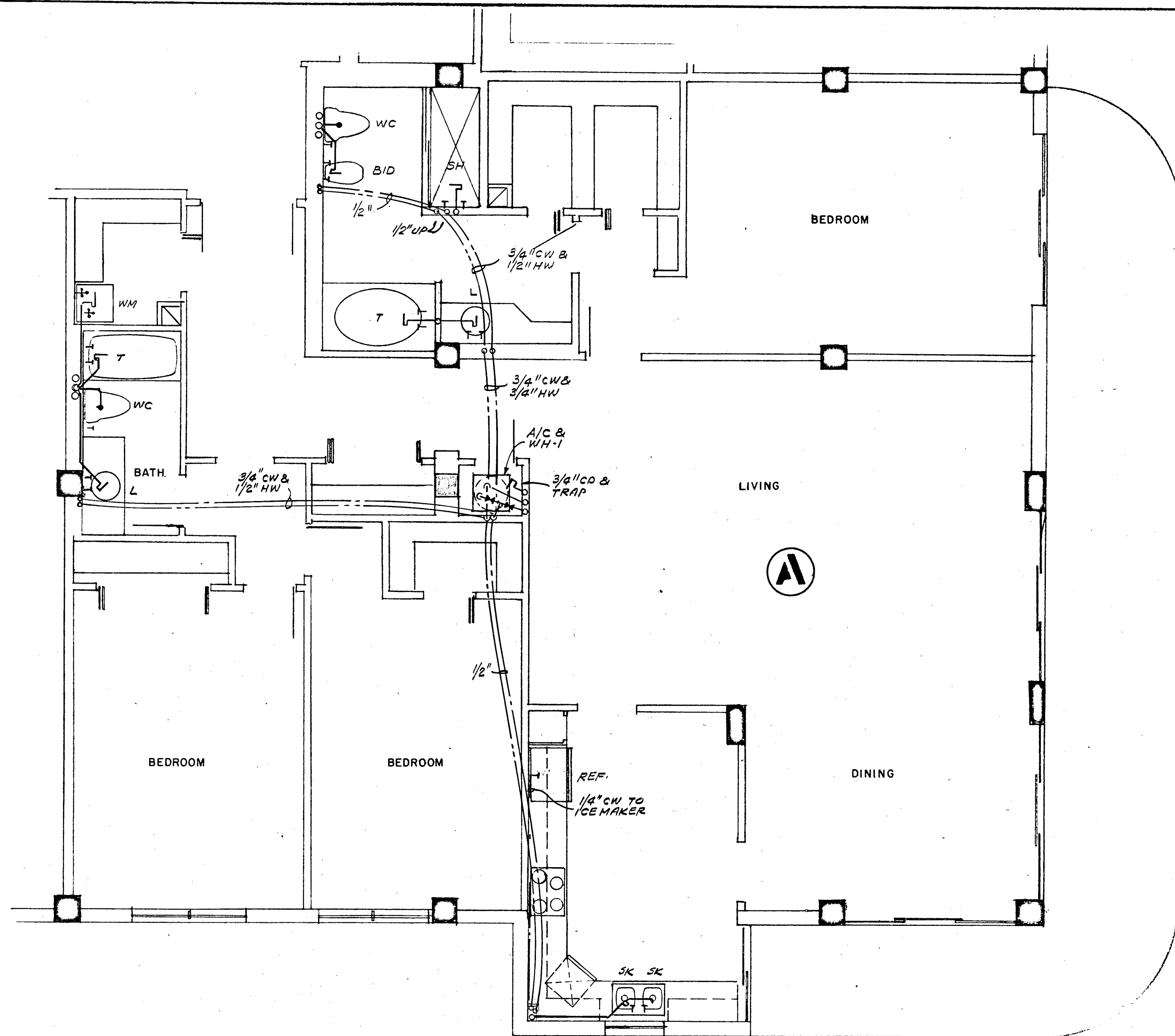
WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
158 S.E. 14TH LANE
2588044

CHAMPLAIN TOWERS SOUTH

A- 125 UNIT CONDOMINIUM

FLORIDA ENGINEERING SERVICES 352 NE 167 STREET N. MIAMI BCH, FLA 33163	DATE: 8-13-79	SHEET No. 13 of 11	
	REV.		SHEETS

Salomon Milner
8/13/79



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

128 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

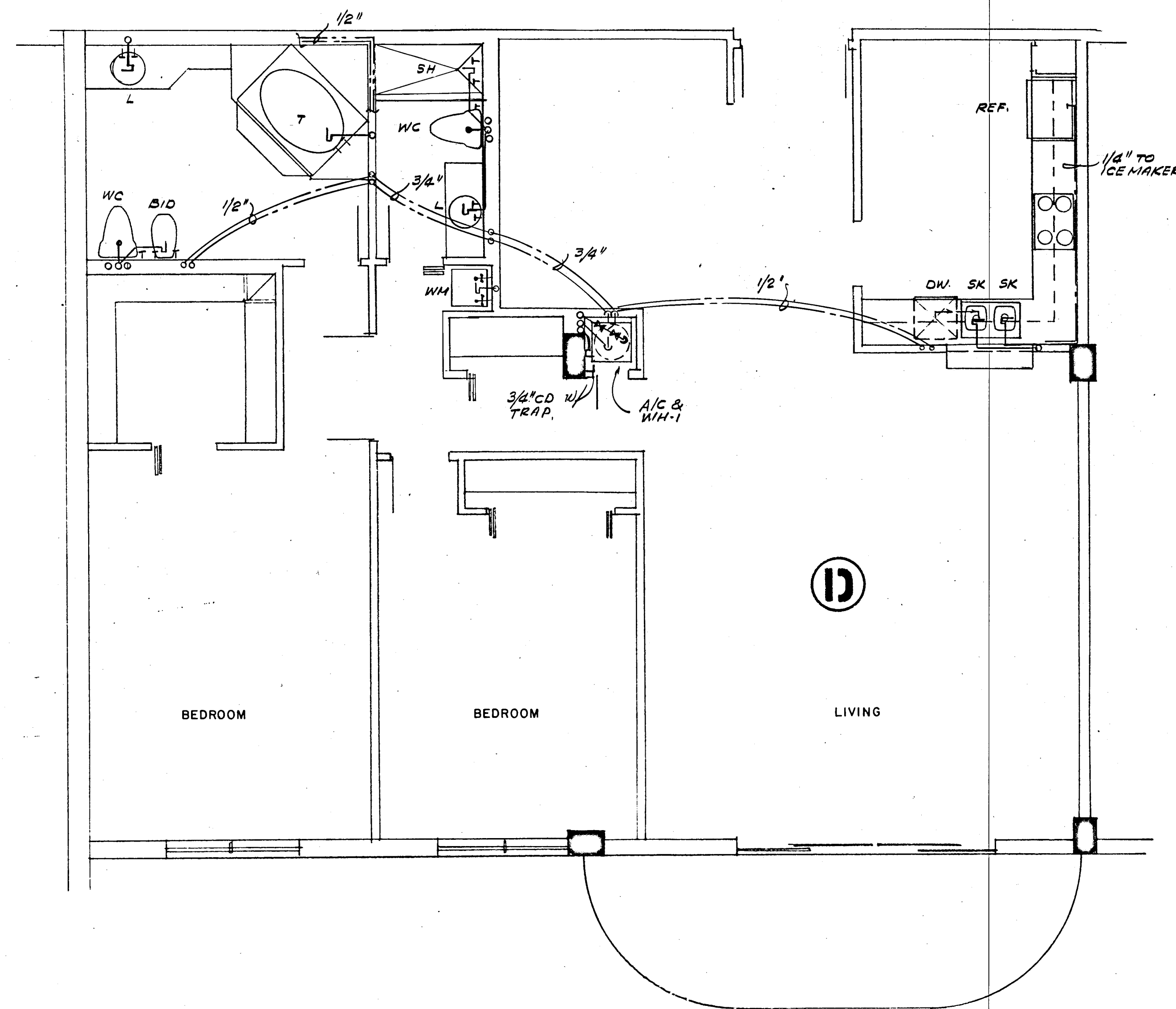
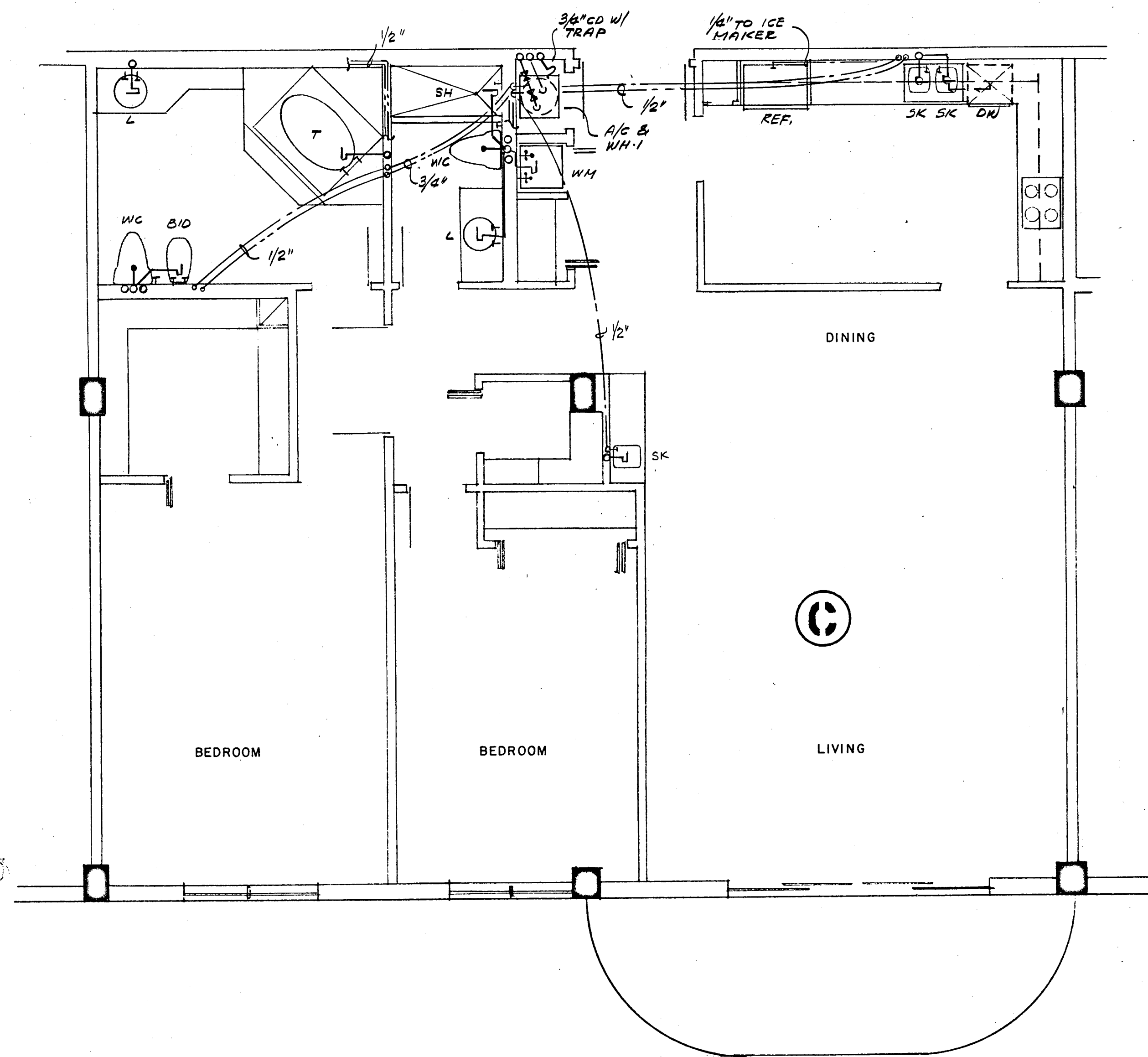
COMM. No. DATE 8-13-79 SHEET No. 136 of 11

REV. SHEETS

FLORIDA
ENGINEERING
SERVICES

352 NE 167 STREET
MIAMI BEACH, FLA. 33139
DALE A. 723

Shown in plan
8/13/79



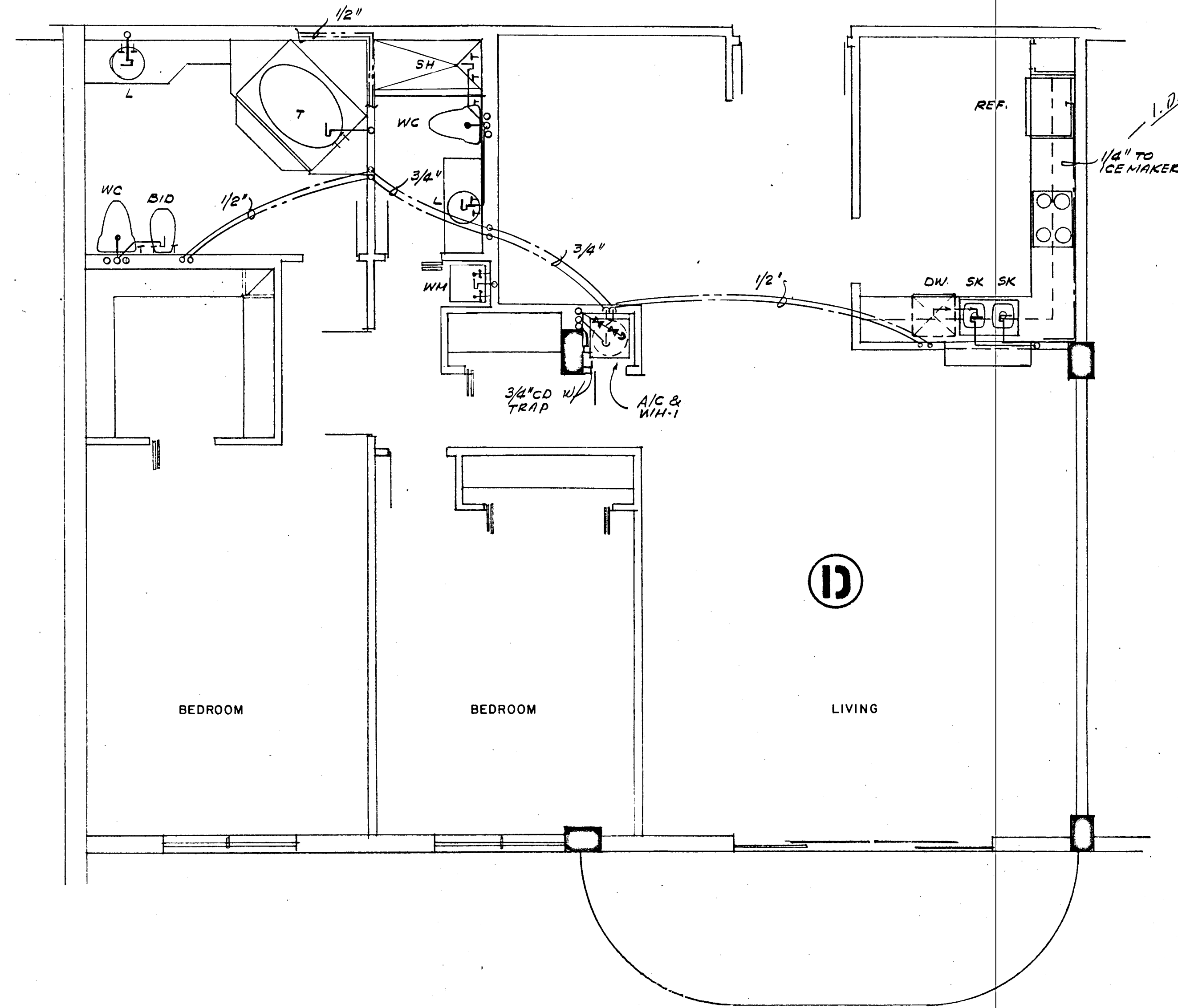
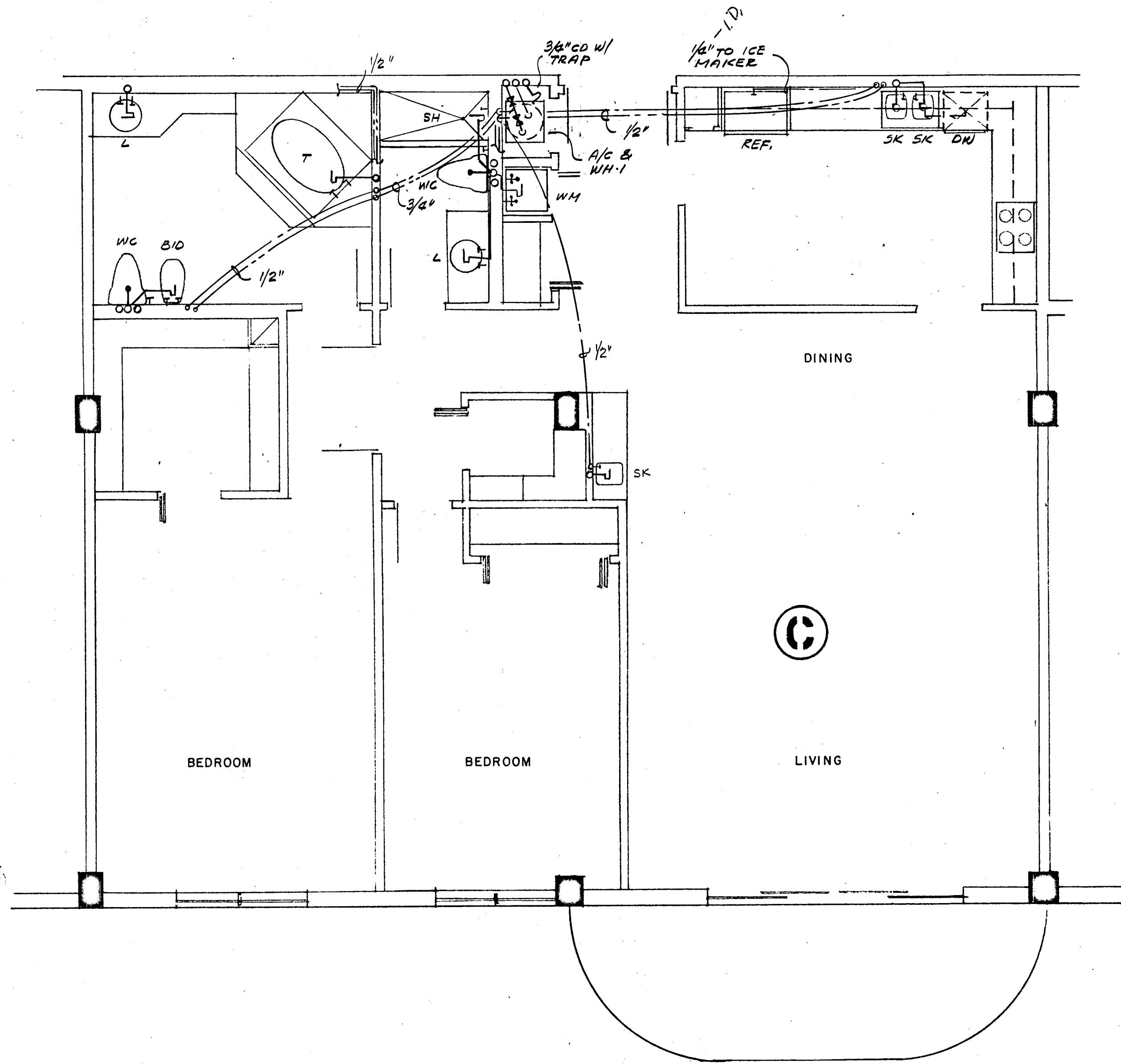
WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.
138 S.E. 14th LANE
3588044

CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

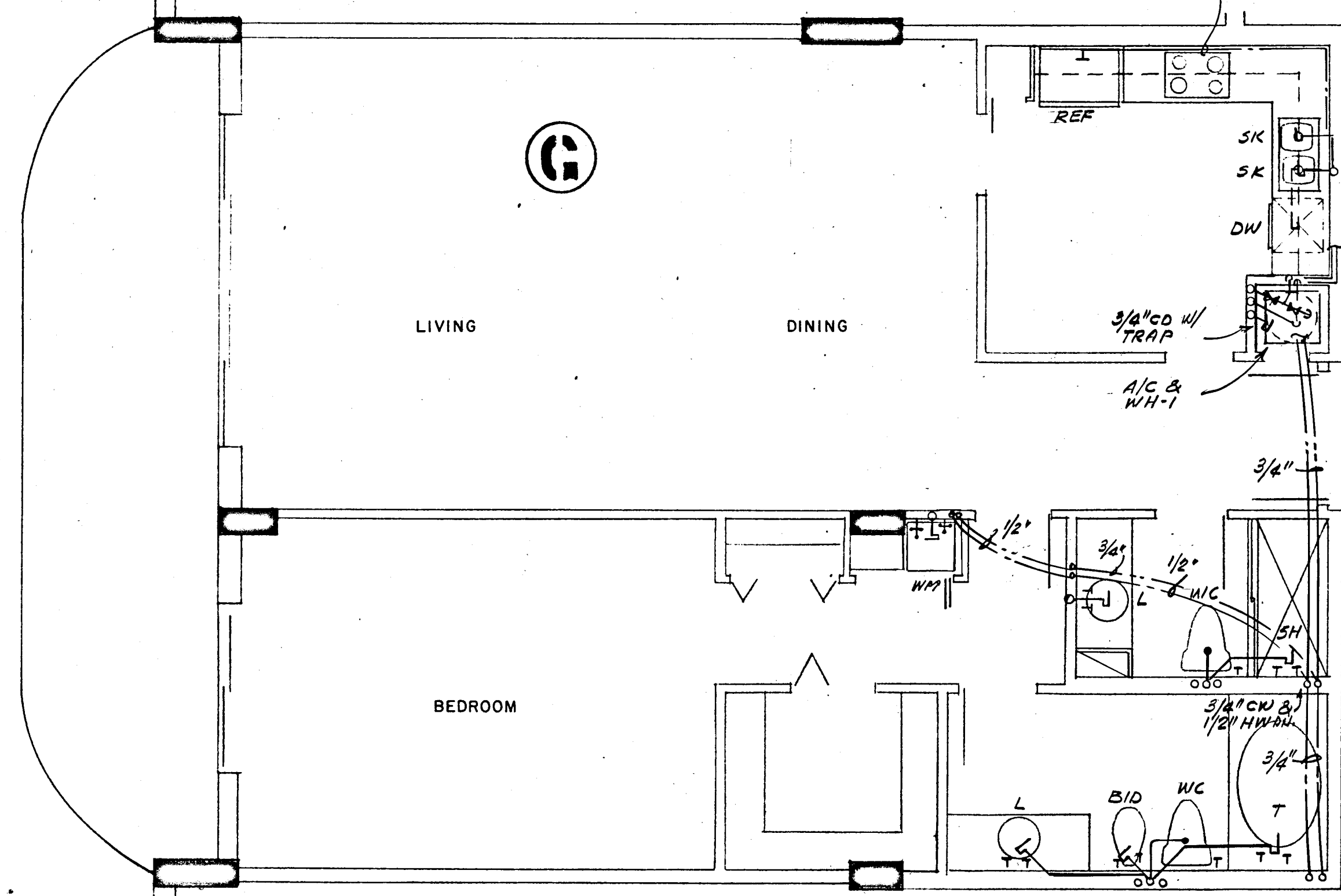
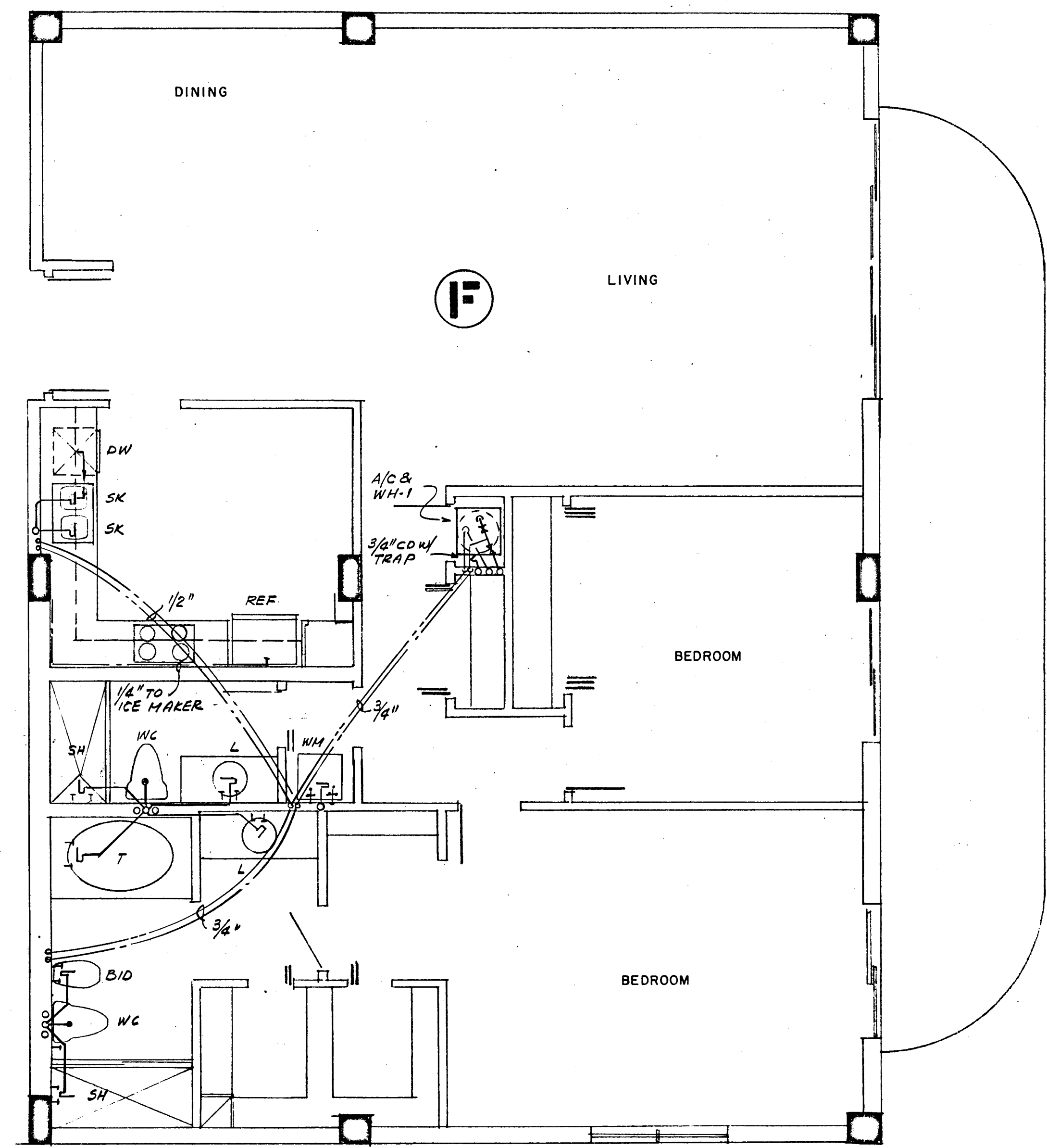
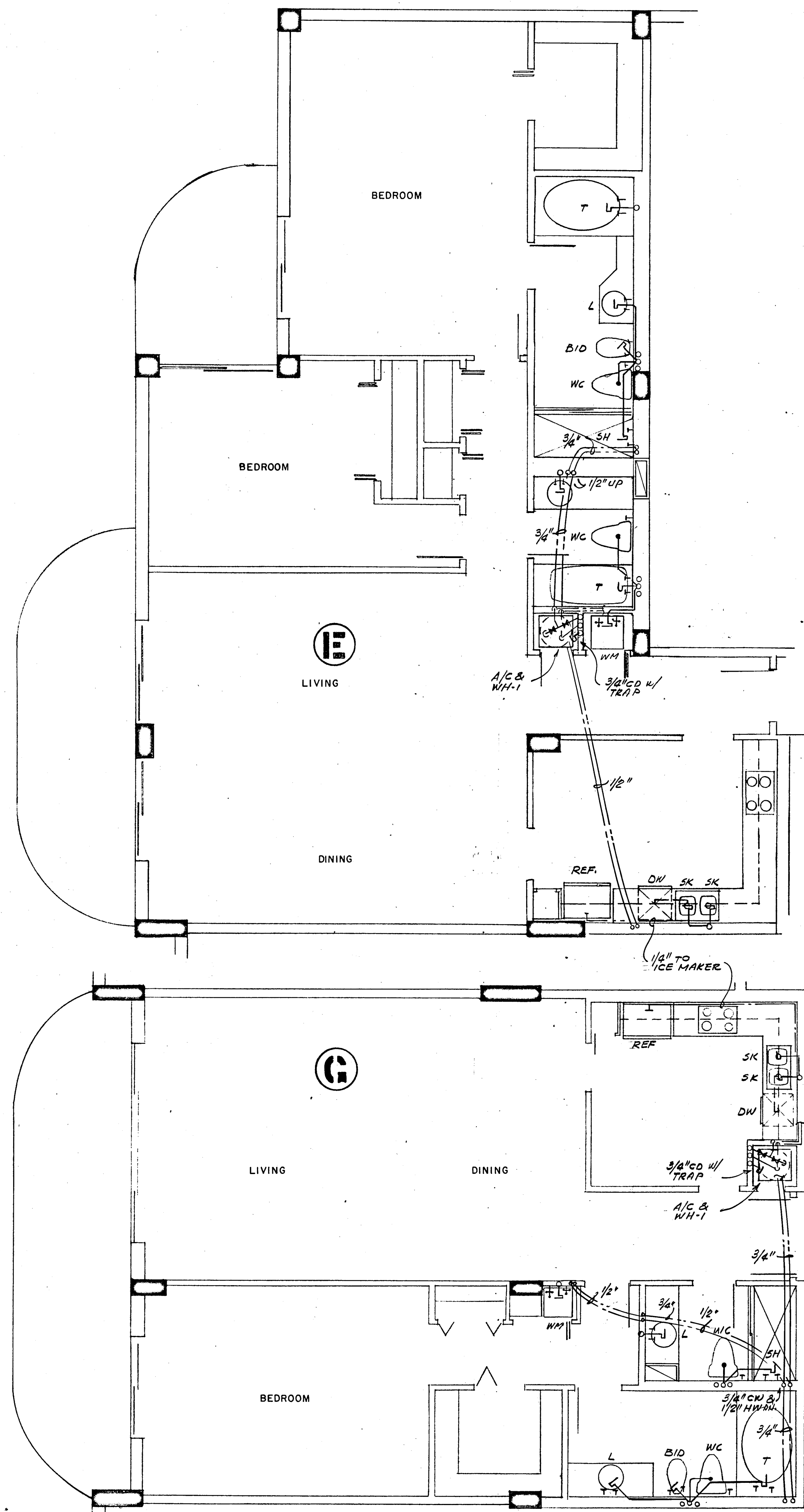
COMM. NO.	DATE	SHEET NO.
REV	8-13-79	17 OF 11
		SHEETS

Salvatore M. M. M.
8/13/79



<p>WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC. 138 S.E. 14TH LANE 3588044</p>			
<p>CHAMPLAIN TOWERS SOUTH</p>			
<p>A- 135 UNIT CONDOMINIUM</p>			
COMM. No.	DATE	SHEET No.	
	8-13-79	137 of 11	
REV.		SHEETS	

Salomon
8/13/79



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

CHAMPLAIN TOWERS SOUTH

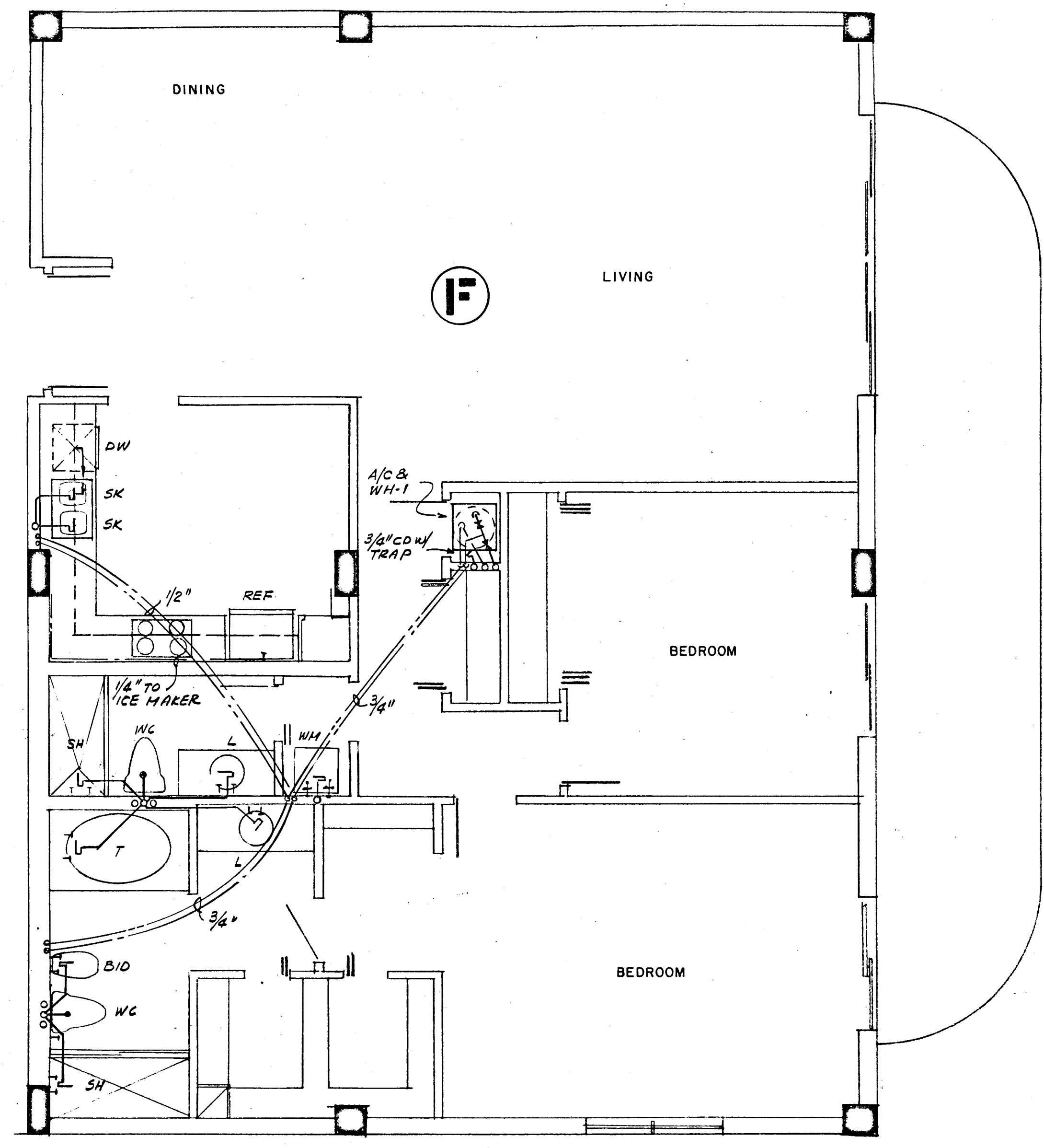
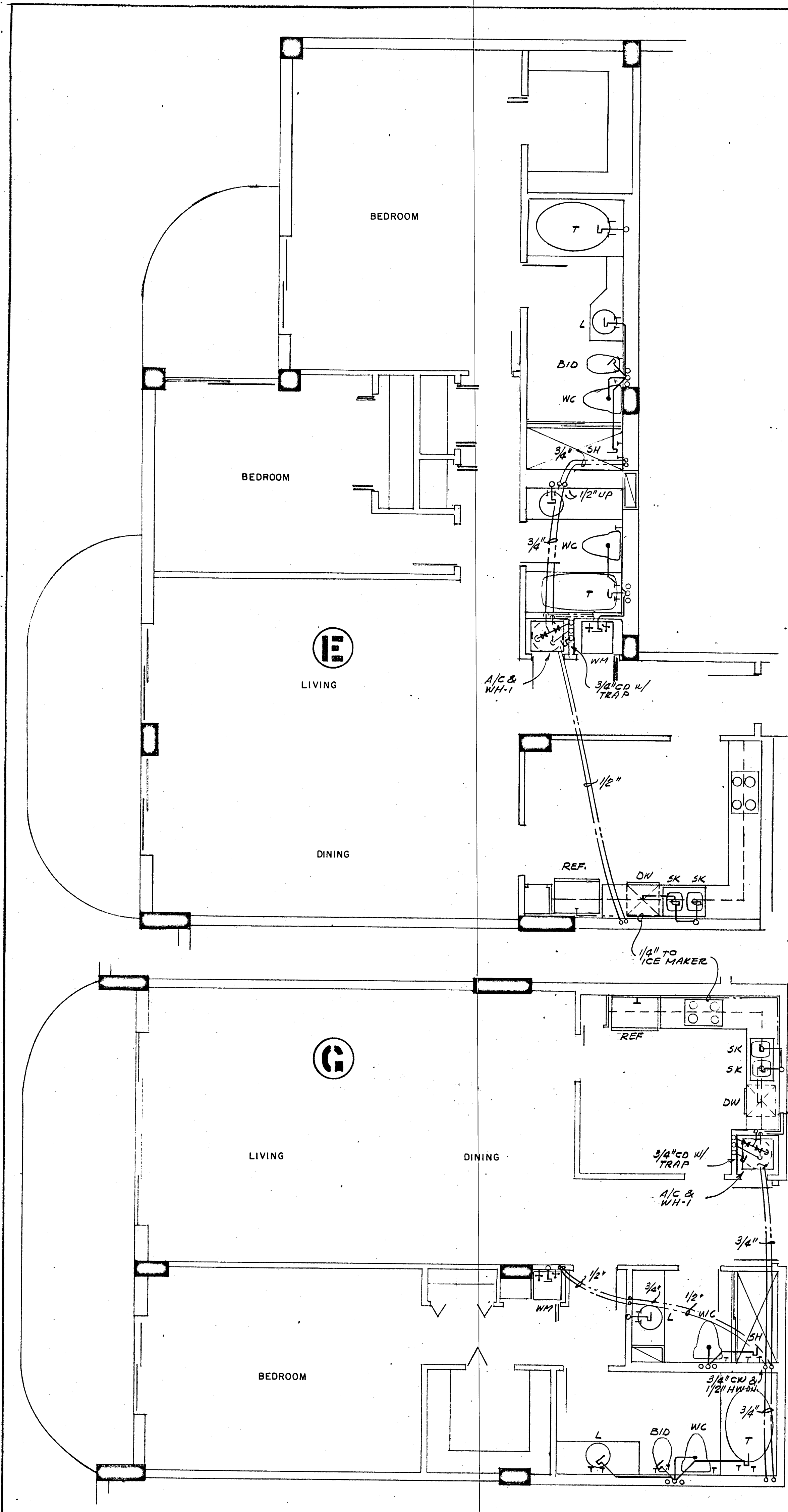
A - 135 UNIT CONDOMINIUM

COMM. No. DATE: 8-13-79 SHEET No. 138 of 11

REV. SHEETS

FLORIDA
ENGINEERING
SERVICES
352 NE 167 STREET
N. MIAMI BCH, FLA
33162 943-4743

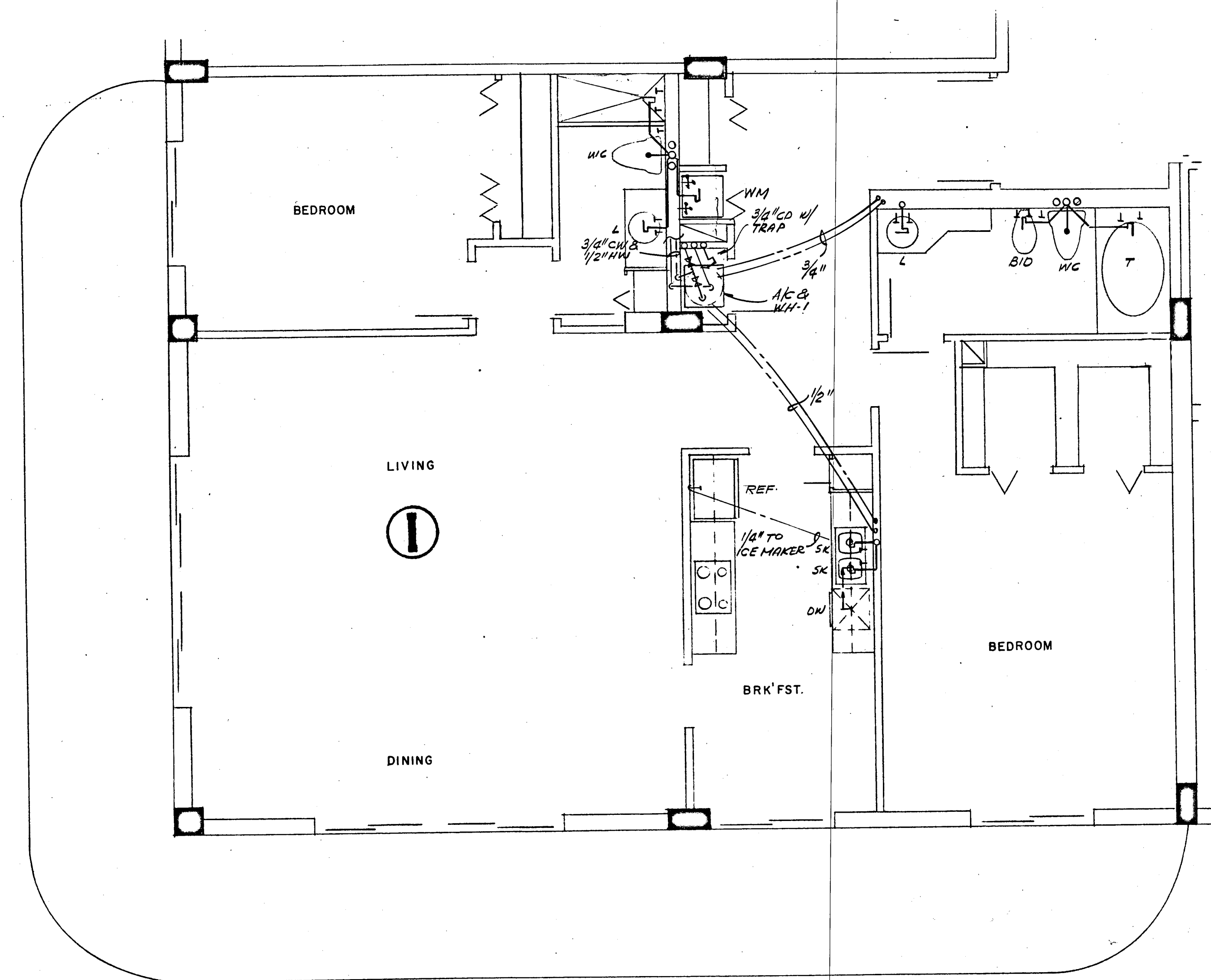
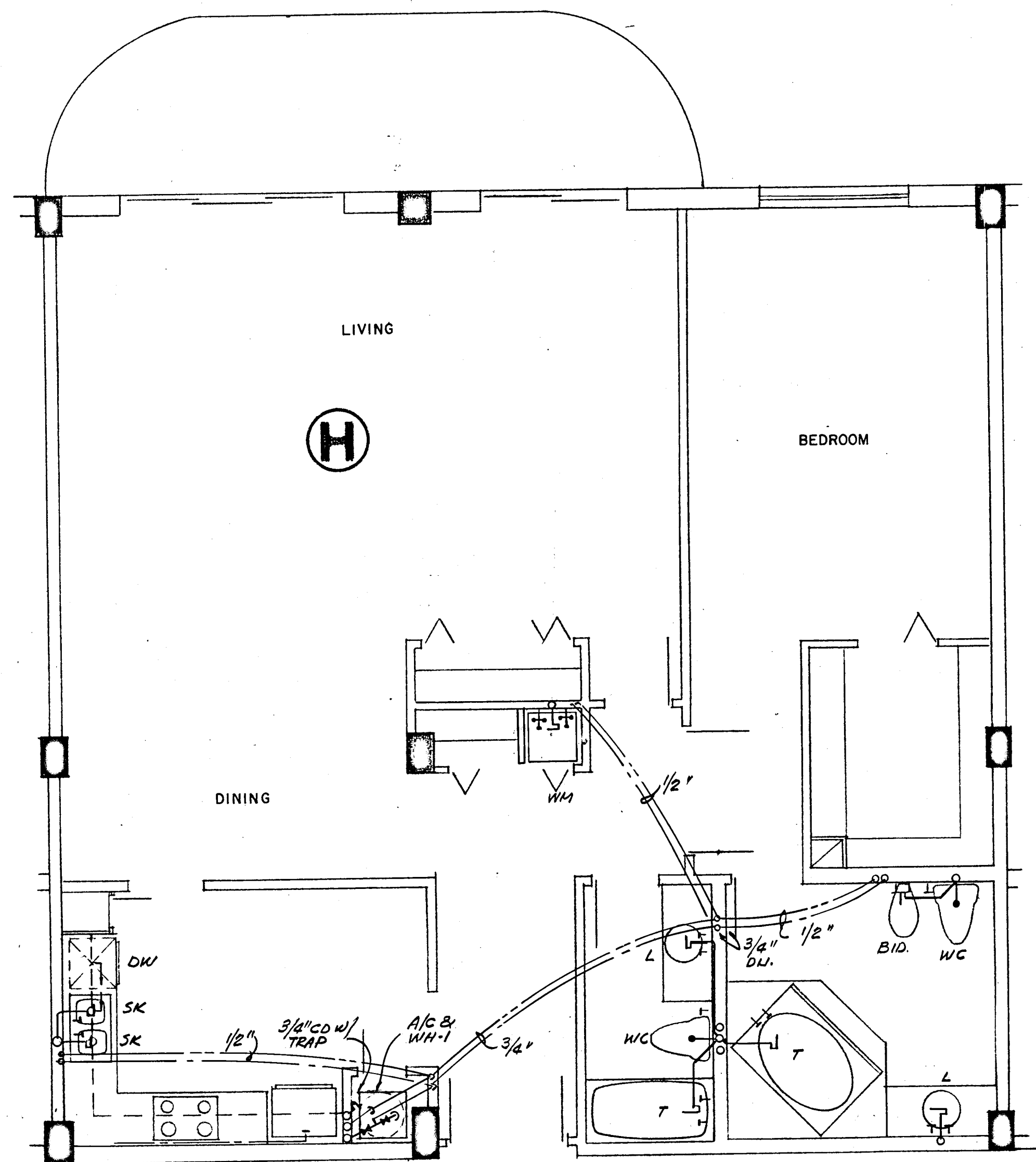
Salomon Maline
8/13/79



*Note -
 MIN. 5/2" WATER
 Supply to Dishwasher
 3/8" I.D.
 MIN 5/2" WATER Supply to Ice
 Machine 1/4" I.D.
 P. J. ...
 Plumbing Eng.*

WILLIAM M. FRIEDMAN AND ASSOCIATES ARCHITECTS, INC. 138 S.E. 14 th LANE 3328044		CHAMPLAIN TOWERS SOUTH	
A- 135 UNIT CONDOMINIUM		COMM. No. DATE: 8-13-79	
FLORIDA ENGINEERING SERVICES 352 NE 167 STREET N. MIAMI BCH, FLA. 33162 945-4743		SHEET No. 138 of 11 REV. SHEETS	

*Salomon G. ...
 8/13/79*



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

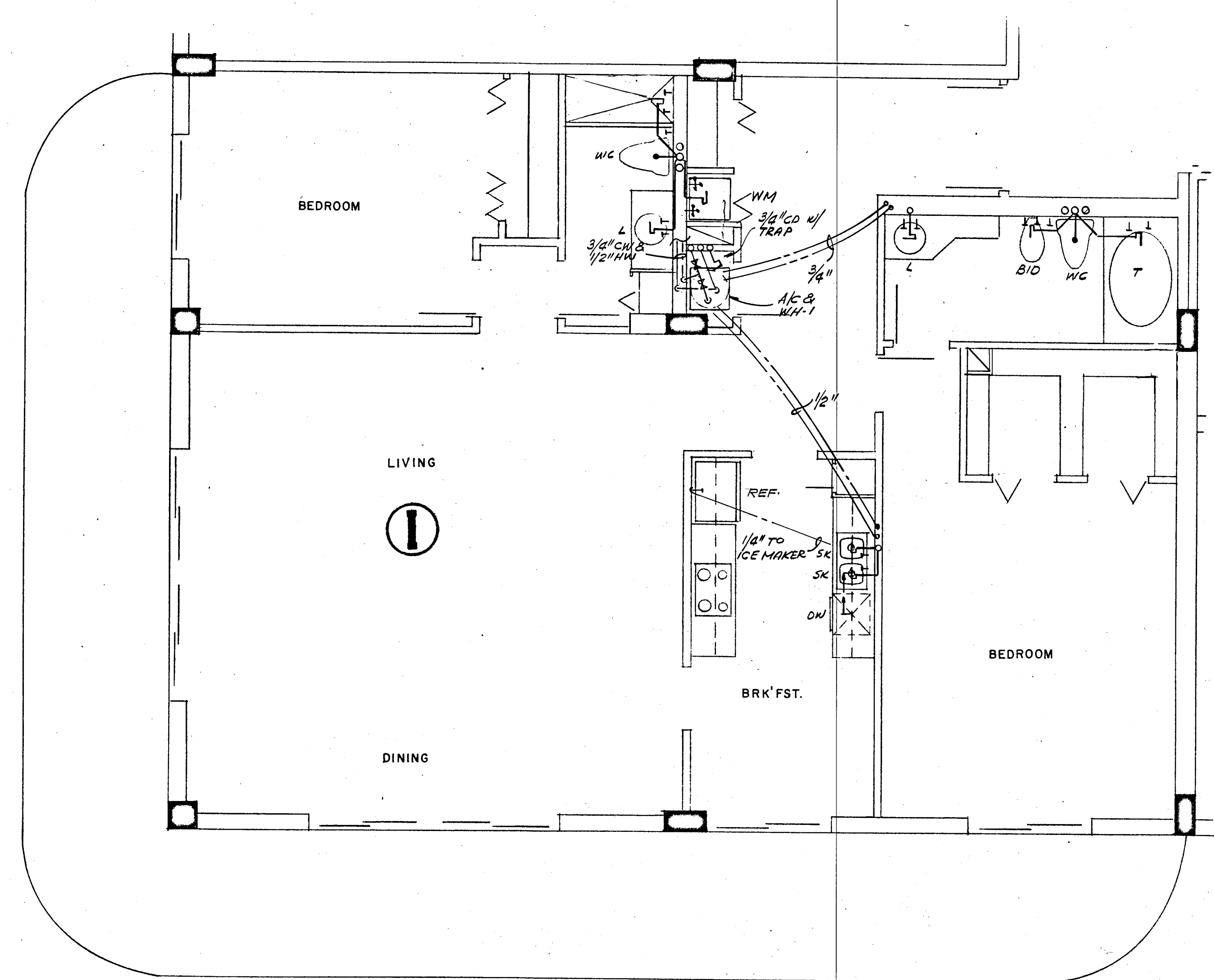
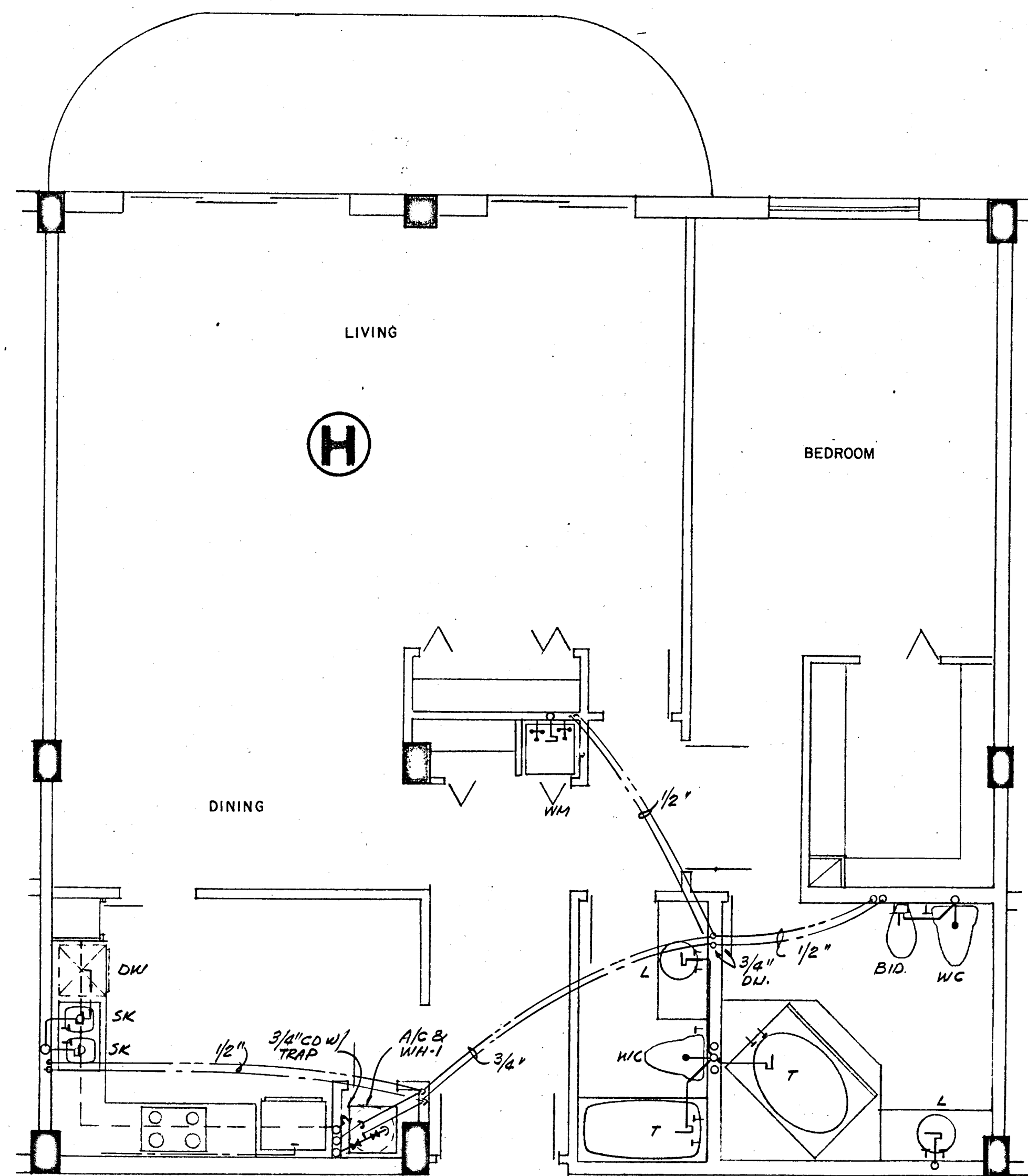
A: 135 UNIT CONDOMINIUM

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

ELV. 1361

FLORIDA
ENGINEERING
SERVICES
352 NE 167 STREET
N. MIAMI BEACH, FLA.
33132 845-4743

Salomon Miller
8/13/79



WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

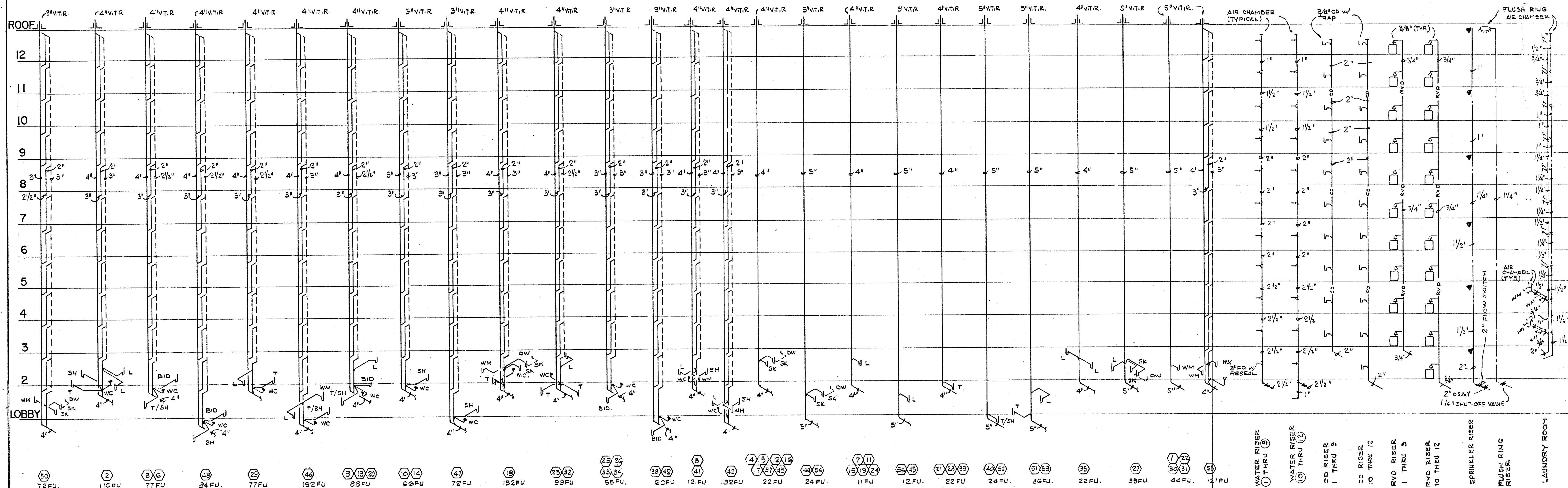
A-135 UNIT CONDOMINIUM

COMM. NO. DATE: 8-13-79 SHEET No. 139 of 11

REV SHEETS

FLORIDA
ENGINEERING
SERVICES
352 NE 167 STREET
N. MIAMI, FLA 33162
812-4743

Salomon
8/13/79



SANITARY RISER DIAGRAM

- APARTMENT PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
- LAVATORY: 0476.028 "AQUALYN" 20" x 17" V.C. - SELF RIMMING 2379.019 "AQUARIAN 11" FAUCET W/AERATOR, POP-UP DRAIN, AND CERAMIC DISC CARTRIDGE. 3/4" x 12" C.P. SUPPLY PIPES W/STOPS. 1 1/4" C.P. TUBE P-TRAP - 17 GAGE.
 - WATER CLOSET: 2109.056 "ELONGATED CADET" - SIPHON-JET. 5330.063 "CHURCH" CLOSED FRONT SEAT W/COVER. 3/4" x 12" C.P. SUPPLY PIPES W/STOPS. (2) BOLT CAPS.
 - BATHTUB: 0135.137 (RH) OR 0137.133 (LH) "SALEM" 5'0" ACID RESISTING ENAMELED STEEL RECESSED BATH W/SLIP RESISTANT BOTTOM. 1490.093 AQUARIAN 11 BATH AND SHOWER COMBINATION - DIVERTER SPOUT - CERAMIC DISC CARTRIDGE. 1560.135 MULTI-FLEX DRAIN.
 - ROMAN TUB: FOR SPECIFICATIONS SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - SHOWER: 1490.036 "AQUARIAN 11" SHOWER FITTING - CERAMIC DISC CARTRIDGE WITH SCREWDRIIVER STOPS. 1413.012 SHOWER HEAD, 1444.017 ARM AND ESCUTCHEON PLATE.
ZURN: Z-415 SERIES W/TYPE B STRAINER.
PROVIDE 4 LB. LED PAN.
 - KITCHEN SINK: 7017.015 "CUSTOM-LINE DOUBLE BOWL SINK, 32 x 20, 4 HOLE. 4200.077 "AQUARIAN 11" SWING SPOUT FAUCET - SWIVEL AERATOR - CERAMIC DISC CARTRIDGE. 3/4" SINK SUPPLIES W/STOPS. 1 1/4" S.F. TUBE P-TRAP - 17 GAGE. **DISPOSER BY OTHERS NOT PERMITTED!!!**
 - LAUNDRY TRAY: MUSTEE MODEL 18F - FLOOR MOUNTED, 20 GAL. CAPACITY MOULDED STONE WITH DRAIN. TRIM-CHICAGO FAUCET CO., NO. 891 WITH AERATOR AND LEVER HANDLES. 1 1/4" SATIN FINISH P-TRAP, 17 GAGE. 3/4" SINK SUPPLIES W/STOPS.
 - BIDGET: 5010.103 "LUXETTE" WITH FITTING - WITH CHROME HANDLE FOR WALL MOUNTING - 3324.092.

FIXTURE CONNECTION SCHEDULE					
ITEM	C.W. CONN.	H.W. CONN.	TRAP SIZE	F.U. COUNT	REMARKS
LAVATORY	1/2"	1/2"	1 1/2"	1	
BATHTUB	1/2"	1/2"	1 1/2"	2	
SHOWER	1/2"	1/2"	2"	2	
WATER CLOSET (TANK)	1/2"	---	3"	4	
KITCHEN SINK	1/2"	1/2"	1 1/2"	2	
WASHING MACHINE	1/2"	1/2"	1 1/2"	4	
HOSE BIB	3/4"	---	---	---	VACUUM BREAK VALVE IN THE VERTICAL
DISHWASHER	---	1/2"	1 1/2"	2	
FLOOR DRAIN	---	---	3 or 4"	3	PROVIDE TRAP RESEALER
URINAL	3/4"	---	2"	4	WALL MOUNTED
WATER CLOSET (FLUSH VALVE)	1"	---	3"	8	
DRINKING FOUNTAIN	3/8"	---	1 1/2"	1	SEE PLANS FOR LOCATIONS

- PUBLIC AREA PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
- PLUMBING FIXTURES - ALL FIXTURES TO BE AMERICAN STANDARD.
- WATER CLOSET: (FOR THE HANDICAPPED) 9468.018 "ELONGATED CADET" - SIPHON JET - 1 1/2" TOP STUD.
SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.
SLOAN ROYAL 115 FLUSH VALVE
481310-100 BOLT CAPS
 - WATER CLOSET: (REGULAR) 2222.016 "MADEIRA" SIPHON-JET 1 1/2" TOP STUD.
SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE.
SLOAN ROYAL 110 FLUSH VALVE
481310-100 BOLT CAPS
 - LAVATORY: 0475.028 "AQUALYN" 20 x 17 VITREOUS CHINA SELF RIMMING LAVATORY. 2379.063 AQUARIAN 11 CENTER SET SINGLE HANDLE VALVE WITH AERATOR AND POP-UP DRAIN. 1/2" x 12" C.P. SUPPLY PIPES WITH STOPS. 1 1/4" C.P. TUBE P-TRAP - 17 GAGE.
 - URINAL: 6560.015 "TRIMBROOK" WALL HUNG SIPHON JET URINAL SLOAN ROYAL 186-11 FLUSH VALVE.
 - SHOWER: PUBLIC 1490.036 AQUARIAN 11 SHOWER FITTING - CERAMIC DISC CARTRIDGE WITH SCREWDRIIVER STOPS.
 - SERVICE SINK: 7692.049 "LAKEWELL" 22" x 18" ACREI SINK WITH 8379.018 RIM GUARD. 8340.242 DOUBLE FAUCET WITH HOSE AND SPOUT, PAIL HOOK, AND VACUUM BREAKER. 7798.176 3" TRAP STANDARD.
 - ELECTRIC WATER COOLER: PUBLIC HALSEY TAYLOR WC-7A-1 WALL HUNG WATER COOLER.
 - FLOOR DRAIN: ZURN MODEL ZN415 - WITH NO HUB FITTING.
 - PLANTER DRAIN: ZURN ZB114C WITH SUMP-RECEIVER AND PERFORATED OVERFLOW. - SEE ARCHITECTURAL PLANS FOR LENGTH OF OVERFLOW REQUIRED.
 - ROOF DRAIN: ZURN MODEL Z-113 WITH LEAD FLASHING AROUND DRAIN
 - POOL EQUIPMENT ROOM: ZURN ZB-520-Y WITH Z-1099 BWV WITH PRIMING CONNECTION.
 - PUMP ROOM DRAIN: ZURN Z-550-Y WITH PRIMING CONNECTION
 - TRASH ROOM: ZURN Z-451 WITH Z-1099 BWV WITH PRIMING CONNECTION.
 - TRENCH DRAIN: ZURN ZN-666.
 - POOL AND LOBBY LEVEL DECK: ZURN ZN-415 WITH 10" TYPE "Y" TOP.
 - PARKING DECK DRAIN: ZURN Z-150 WITH 14" TOP.

PUMP SCHEDULE	
PUMP NUMBER	P-1
APPLICATION	DOMESTIC BOOSTER
LOCATION	LOBBY EQUIP. ROOM
G.P.M.	90-180+180
T.D.H. (IN FT. WATER)	110
H.P.	5+10+10
R.P.M.	1750
EFFICIENCY	59.5 + 71.5 + 71.5
VOLTAGE	208-3-60
MOTOR TYPE	O.D.P.
PUMP TYPE	HORIZONTAL END SUCTION
MANUFACTURER	SYNCO-FLOW
MODEL	450ES48P
SIZE	1-1P; 2-1Q
CONSTRUCTION	CAST IRON BRONZE FITTED
SEAL	MECHANICAL
OPERATING WEIGHT - LBS.	2000
INERTIA BLOCK SIZE	A, B, C, D, E
ACCESSORIES	
A. SPRING ISOLATORS	
B. HIGH - LOW PRESSURE CUT-OFF	
C. ELECTRICAL ALTERNATION	
D. COPPER PIPING	
E. PIPE ISOLATORS	

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

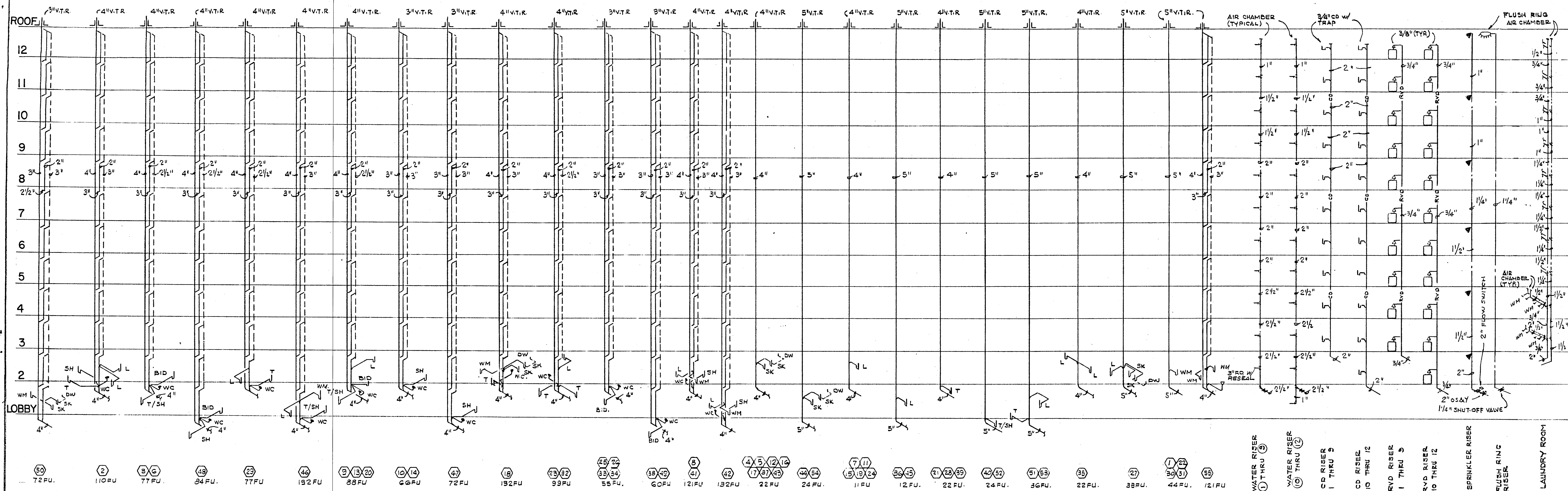
138 S.E. 14th LANE
3588044

CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

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

Solomon Miller
8/13/77



SANITARY RISER DIAGRAM

- APARTMENT PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
- LAVATORY: 0476.028 "AQUALYN" 20" x 17" V.C. - SELF RIMMING 2379.019 "AQUARIAN 11" FAUCET W/AERATOR, POP-UP DRAIN, AND CERAMIC DISC CARTRIDGE. 3" x 12" C.P. SUPPLY PIPES W/STOPS. 1 1/2" C.P. TUBE P-TRAP - 17 GAGE.
 - WATER CLOSET: 2109.056 "ELONGATED CADET" - SIPHON-JET 5330.063 "CHURCH" CLOSED FRONT SEAT W/COVER. 3" x 12" C.P. SUPPLY PIPES W/STOPS. (2) BOLT CAPS.
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 - KITCHEN SINK: 7017.015 "CUSTOM-LINE DOUBLE BOWL SINK. 32" x 20.4" HOLE. 4200.077 "AQUARIAN 11" SWING SPOUT FAUCET - SWIVEL AERATOR - CERAMIC DISC CARTRIDGE. 3" SINK SUPPLIES W/STOPS. 1 1/2" S.P. TUBE P-TRAP - 17 GAGE. DISPOSER BY OTHERS.
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FIXTURE CONNECTION SCHEDULE					
ITEM	C.W. CONN	H.W. CONN	TRAP SIZE	F.U. COUNT	REMARKS
LAVATORY	1/2"	1/2"	1 1/2"	1	
BATHTUB	1/2"	1/2"	1 1/2"	2	
SHOWER	1/2"	1/2"	2"	2	
WATER CLOSET (TANK)	1/2"	---	3"	4	
KITCHEN SINK	1/2"	1/2"	1 1/2"	2	
WASHING MACHINE	1/2"	1/2"	1 1/2"	4	
HOSE BIB	3/4"	---	---	---	VACUUM BKR & VALVE IN THE VERTICAL
DISHWASHER	---	1/2"	1 1/2"	2	
FLOOR DRAIN	---	---	3 or 4"	3	PROVIDE TRAP RESEALER
URINAL	3/4"	---	2"	4	WALL MOUNTED
WATER CLOSET (FLUSH VALVE)	1"	---	3"	8	
DRINKING FOUNTAIN	3/8"	---	1 1/2"	1	SEE PLANS FOR LOCATIONS

- PUBLIC AREA PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
- PLUMBING FIXTURES - ALL FIXTURES TO BE AMERICAN STANDARD.
- WATER CLOSET: (FOR THE HANDICAPPED) 9468.018 "ELONGATED CADET" - SIPHON JET - 1" TOP STUD SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. SLOAN ROYAL 115 FLUSH VALVE 481310-100 BOLT CAPS
 - WATER CLOSET: (REGULAR) 2222.016 "MODERN" SIPHON JET 1" TOP STUD SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. SLOAN ROYAL 115 FLUSH VALVE 481310-100 BOLT CAPS
 - LAVATORY: 0475.028 "AQUALYN" 20 x 17 VITREOUS CHINA SELF RIMMING LAVATORY. 2379.063 AQUARIAN 11 CENTER SET SINGLE HANDLE VALVE WITH AERATOR AND POP-UP DRAIN. 1/2" x 12" C.P. SUPPLY PIPES WITH STOPS 1 1/4" C.P. TUBE P-TRAP - 17 GAGE.
 - URINAL: 6560.015 "TRIMBROOK" WALL HUNG SIPHON JET URINAL SLOAN ROYAL 186-11 FLUSH VALVE.
 - SHOWER: PUBLIC 1490.036 AQUARIAN 11 SHOWER FITTING - CERAMIC DISC CARTRIDGE WITH SCREWDRIIVER STOPS.
 - SERVICE SINK: 7692.049 "LAKEWELL" 22" x 18" ARECI SINK WITH 8379.018 RIM GUARD. 8340.242 DOUBLE FAUCET WITH HOSE AND SPOUT, PAIL HOOK, AND VACUUM BREAKER. 7798.176 3" TRAP STANDARD.
 - ELECTRIC WATER COOLER: PUBLIC HALSEY TAYLOR WC-7A-1 WALL HUNG WATER COOLER.
 - FLOOR DRAIN: ZURN MODEL ZN415 - WITH NO HUB FITTING.
 - PLANTER DRAIN: ZURN ZB114C WITH SUMP, RECEIVER AND PERFORATED OVERFLOW. SEE ARCHITECTURAL PLANS FOR LENGTH OF OVERFLOW REQUIRED.
 - ROOF DRAIN: ZURN MODEL Z-113 WITH LEAD FLASHING AROUND DRAIN
 - POOL EQUIPMENT ROOM: ZURN ZB-520-Y WITH Z-1099 BWV WITH PRIMING CONNECTION.
 - PUMP ROOM DRAIN: ZURN Z-550-Y WITH PRIMING CONNECTION
 - TRASH ROOM: ZURN Z-451 WITH Z-1099 BWV WITH PRIMING CONNECTION.
 - TRENCH DRAIN: ZURN ZN-666.
 - POOL AND LOBBY LEVEL DECK: ZURN ZN-415 WITH 10" TYPE "V" TOP.
 - PARKING DECK DRAIN: ZURN Z-150 WITH 14" TOP.

PUMP SCHEDULE	
PUMP NUMBER	P-1
APPLICATION	DOMESTIC BOOSTER
LOCATION	LOBBY EQUIP. ROOM
G.P.M.	90+180+180
T.D.H. (IN FT. WATER)	110
H.P.	5+10+10
R.P.M.	1750
EFFICIENCY	59.5% + 71.5% + 71.5%
VOLTAGE	208-3-60
MOTOR TYPE	O.D.P.
PUMP TYPE	HORIZONTAL END SUCTION
MANUFACTURER	SYNCO-FLOW
MODEL	450ES48P
SIZE	1-1P; 2-1Q
CONSTRUCTION	CAST IRON BRONZE FITTED
SEAL	MECHANICAL
OPERATING WEIGHT - LBS.	2000
INERTIA BLOCK SIZE	A, B, C, D & E
ACCESSORIES	
A. SPRING ISOLATORS	
B. HIGH & LOW PRESSURE CUT-OFF	
C. ELECTRICAL ALTERNATION	
D. COPPER PIPING	
E. PIPE ISOLATORS	

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

138 S.E. 14TH LANE
3588044

CHAMPLAIN TOWERS SOUTH

A- 135 UNIT CONDOMINIUM

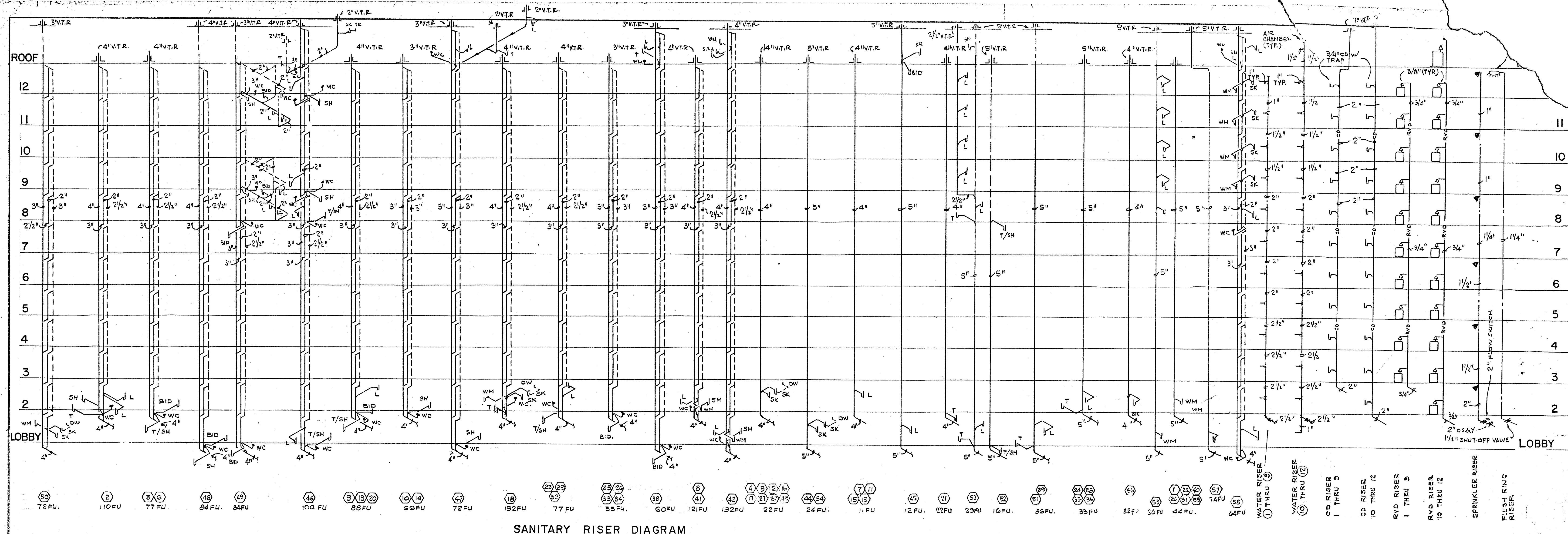
COMM. No. DATE: 8-13-79

SHEET No. 11

REV. 11

FLORIDA
ELECTRICAL
SERVICES
352 NE 107 STREET
MIAMI, FL 33132

Solomon Maher
8/13/79



SANITARY RISER DIAGRAM

- APARTMENT PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
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 - BIDGET: 5010.103 "LUXETTE" WITH FITTING - WITH CHROME HANDLE FOR WALL MOUNTING - 3324.092.

FIXTURE CONNECTION SCHEDULE					
ITEM	C.W. CONN.	H.W. CONN.	TRAP SIZE	F.U. COUNT	REMARKS
LAVATORY	1/2"	1/2"	1 1/2"	1	
BATHTUB	1/2"	1/2"	1 1/2"	2	
SHOWER	1/2"	1/2"	2"	2	
WATER CLOSET (TANK)	1/2"	---	3"	4	
KITCHEN SINK	1/2"	1/2"	1 1/2"	2	
WASHING MACHINE	1/2"	1/2"	1 1/2"	4	
HOSE BIB	3/4"	---	---	---	VACUUM BREAK VALVE IN THE VERTICAL
DISHWASHER	---	1/2"	1 1/2"	2	
FLOOR DRAIN	---	---	3 or 4"	3	PROVIDE TRAP RESEALER
URINAL	3/4"	---	2"	4	WALL MOUNTED
WATER CLOSET (FLUSH VALVE)	1"	---	3"	8	
DRINKING FOUNTAIN	3/8"	---	1 1/2"	1	SEE PLANS FOR LOCATIONS

- PUBLIC AREA PLUMBING FIXTURES AND TRIM
(ALL FIXTURES TO BE WHITE)
- PLUMBING FIXTURES - ALL FIXTURES TO BE AMERICAN STANDARD.
- WATER CLOSET: (FOR THE HANDICAPPED) 9468.018 "ELONGATED CADET" - SIPHON-JET - 1 1/2" TOP STUD. SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. SLOAN ROYAL 115 FLUSH VALVE 481310-100 BOLT CAPS.
 - WATER CLOSET: (REGULAR) 2222.016 "PUBER" SIPHON-JET - 1 1/2" TOP STUD. SEAT: HEAVY DUTY SOLID PLASTIC OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL CHECK HINGE. SLOAN ROYAL 110 FLUSH VALVE 481310-100 BOLT CAPS.
 - LAVATORY: 0475.028 "AQUALYN" 20" x 17" VITREOUS CHINA SELF RIMMING LAVATORY. 2379.063 AQUARIAN 11 CENTER SET SINGLE HANDLE VALVE WITH AERATOR AND POP-UP DRAIN. 1/2" x 12" C.P. SUPPLY PIPES WITH STOPS 1 1/4" C.P. TUBE P-TRAP - 17 GAGE.
 - URINAL: 6560.015 "TRIMBROOK" WALL HUNG SIPHON-JET URINAL SLOAN ROYAL 186-11 FLUSH VALVE.
 - SHOWER: PUBLIC 1490.036 AQUARIAN 11 SHOWER FITTING - CERAMIC DISC CARTRIDGE WITH SCREWDRIIVER STOPS.
 - SERVICE SINK: 7692.049 "LAKEWELL" 22" x 18" ARCT SINK WITH 8379.018 RIM GUARD. 8340.242 DOUBLE FAUCET WITH HOSE AND SPOUT, PAIL HOOK, AND VACUUM BREAKER. 7798.176 3" TRAP STANDARD.
 - ELECTRIC WATER COOLER: PUBLIC HALSEY TAYLOR WC-7A-1 WALL HUNG WATER COOLER.
 - FLOOR DRAIN: ZURN MODEL ZN415 - WITH NO HUB FITTING.
 - PLANTER DRAIN: ZURN ZB114C WITH SUPP. RECEIVER AND PERFORATED OVERFLOW. SEE ARCHITECTURAL PLANS FOR LENGTH OF OVERFLOW REQUIRED.
 - ROOF DRAIN: ZURN MODEL Z-113 WITH LEAD FLASHING AROUND DRAIN.
 - POOL EQUIPMENT ROOM: ZURN ZB-520-Y WITH Z-1099 BW WITH PRIMING CONNECTION.
 - PUMP ROOM DRAIN: ZURN Z-550-Y WITH PRIMING CONNECTION.
 - TRASH ROOM: ZURN Z-451 WITH Z-1099 BW WITH PRIMING CONNECTION.
 - TRENCH DRAIN: ZURN ZN-666.
 - POOL AND LOBBY LEVEL DECK: ZURN ZN-415 WITH 10" TYPE "Y" TOP.
 - PARKING DECK DRAIN: ZURN Z-150 WITH 14" TOP.

PUMP SCHEDULE	
PUMP NUMBER	P-1
APPLICATION	DOMESTIC BOOSTER
LOCATION	LOBBY EQUIP. ROOM
G.P.M.	90+180+180
T.D.H. (IN FT. WATER)	110
H.P.	5+10+10
R.P.M.	1750
EFFICIENCY	59.5 + 71.5 + 71.5
VOLTAGE	208-3-60
MOTOR TYPE	O.D.P.
PUMP TYPE	HORIZONTAL END SUCTION
MANUFACTURER	SYNCHRO-FLOW
MODEL	450ES48P
SIZE	1 1/2" I.P. 2-10
CONSTRUCTION	CAST IRON BRONZE FITTED
SEAL	MECHANICAL
OPERATING WEIGHT - LBS.	2000
INERTIA BLOCK SIZE	A.B.C.D. & E
ACCESSORIES	
A. SPRING ISOLATORS	
B. HIGH - LOW PRESSURE CUT-OFF	
C. ELECTRICAL ALTERNATION	
D. COPPER PIPING	
E. PIPE ISOLATORS	

WILLIAM M. FRIEDMAN
AND ASSOCIATES ARCHITECTS, INC.

108 S.E. 14TH LANE
3528044

CHAMPLAIN TOWERS, SOUTH

A-135 UNIT CONDOMINIUM

COMM. DATE: 12-10-78

REV. JULY 30, 1980

REV. JAN. 12, 1981

REV. NOV. 28, 1979

Salomon M. Friedman

PLUMBING
SERVICES
108 S.E. 14TH LANE
3528044

SHEET NO. 12

OF 12

SHEET

PLUMBING NOTES

1. ALL PLUMBING SHALL BE DONE IN ACCORDANCE WITH STATE AND LOCAL CODES AND ORDINANCES, AND UTILITY COMPANIES SPECIFICATIONS AND REQUIREMENTS.
2. PLUMBING CONTRACTOR SHALL PAY ALL FEES, INSPECTION AND CONNECTION CHARGES REQUIRED.
3. PLUMBING CONTRACTOR SHALL VERIFY ALL SPACE CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO FABRICATION AND INSTALLATION OF MATERIALS AND EQUIPMENT.
4. COORDINATE WORK WITH OTHER TRADES.
5. SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL OF ALL EQUIPMENT, MATERIALS AND LAYOUTS PRIOR TO INSTALLATION.
6. PLUMBING CONTRACTOR SHALL GUARANTEE ALL WORK FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
7. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A/C CONDENSATE DRAIN AND TRAP. SEE A/C PLANS FOR LOCATIONS OF UNITS AND DRAINS.
8. EACH BATHROOM AND FIXTURE GROUP SHALL BE PROVIDED WITH AIR CHAMBERS.
9. PROVIDE SHUT-OFF VALVE FOR EACH FIXTURE.
10. WHEREVER DISSIMILAR METALS ARE TO BE JOINED, A DIELECTRIC FITTING SHALL BE PROVIDED TO CONNECT BOTH TYPES OF PIPES.
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12. PIPING:

A) WATER LINES:

1. UNDERGROUND
ALL PIPING 4" AND LARGER SHALL BE CEMENT MORTAR LINED DUCTILE IRON PIPE CLASS 150, WITH HOT COAL TAR DIPPED EXTERIOR.
ALL PIPING 3" AND SMALLER SHALL BE TYPE "L" COPPER. ALL COPPER LINES SHALL BE JOINED WITH 95/5 SOLDER.
2. ABOVE GROUND
ALL COLD & HOT WATER PIPING SHALL BE TYPE "L" COPPER WITH CAST OR WROUGHT COPPER FITTINGS. ALL COPPER LINES SHALL BE JOINED WITH 95/5 SOLDER.
COLD AND HOT WATER PIPING IN SLAB SHALL BE TYPE "L" SOFT COPPER IN POLY-ETHYLENE CONDUIT. NO PIPE JOINTS ALLOWED INSIDE OF SLAB.
3. VALVES 4" AND SMALLER SHALL BE ALL BRASS AS MANUFACTURED BY NIBCO OR APPROVED EQUAL. VALVES 5" AND LARGER SHALL BE CAST IRON BODY WITH BRASS TRIM CRANE, STOCKHAM OR APPROVED EQUAL.

B) SANITARY LINES:

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ALL PIPES UNDER BUILDING, 2 1/2" AND SMALLER SHALL BE TYPE "L" COPPER SANITARY PIPE AND FITTING.
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ALL PIPES OUTSIDE OF BUILDING SHALL BE SAME AS DESCRIBED ON ABOVE ITEMS, EXCEPT PIPES 6" AND LARGER CAN BE VITRIFIED CLAY PIPE.
2. ABOVE GROUND
ALL PIPING SHALL BE NO-HUB CAST IRON PIPE AND FITTINGS. FIXTURE ARMS SHALL BE TYPE DWV COPPER. FIXTURE ARMS EXPOSED TO VIEW SHALL BE CHROME PLATED BRASS, WITH ESCUTCHEON PLATE AT WALL.

C) STORM LINES

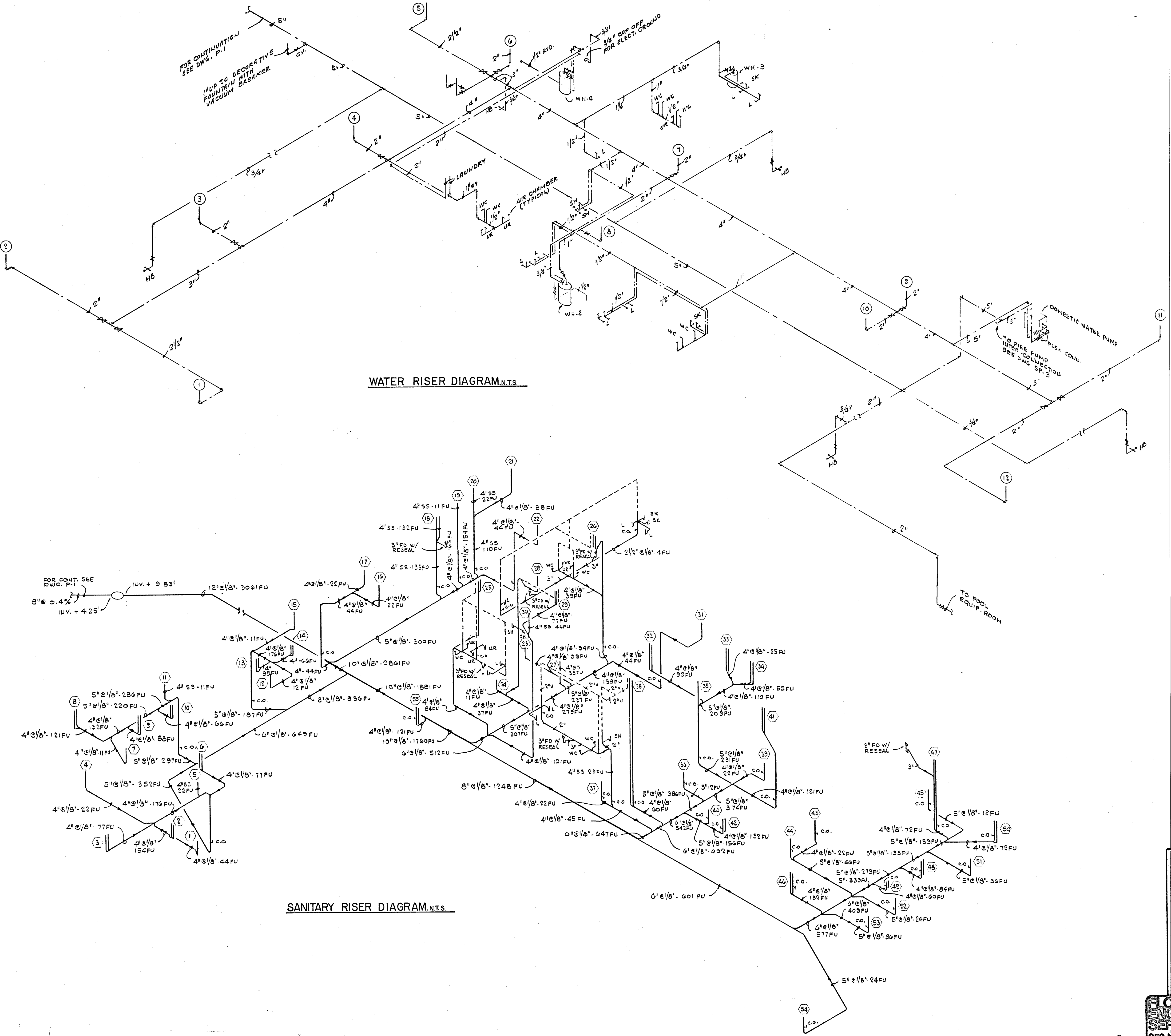
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ALL PIPING OUTSIDE OF BUILDING 12" AND LARGER SHALL BE CONCRETE PIPE AND FITTINGS OR CORRUGATED HELICAL ALUMINUM PIPE AND FITTINGS.
2. ABOVE GROUND
ALL PIPING SHALL BE NO-HUB CAST IRON PIPE AND FITTINGS.

D) CONDENSATE LINES

- SHALL BE SCHEDULE 40 PVC PIPE AND FITTINGS. INSTALL ALL VERTICAL RISERS WITHIN BUILDING, INSIDE OF PARTITION.

E) RELIEF VALVE LINES

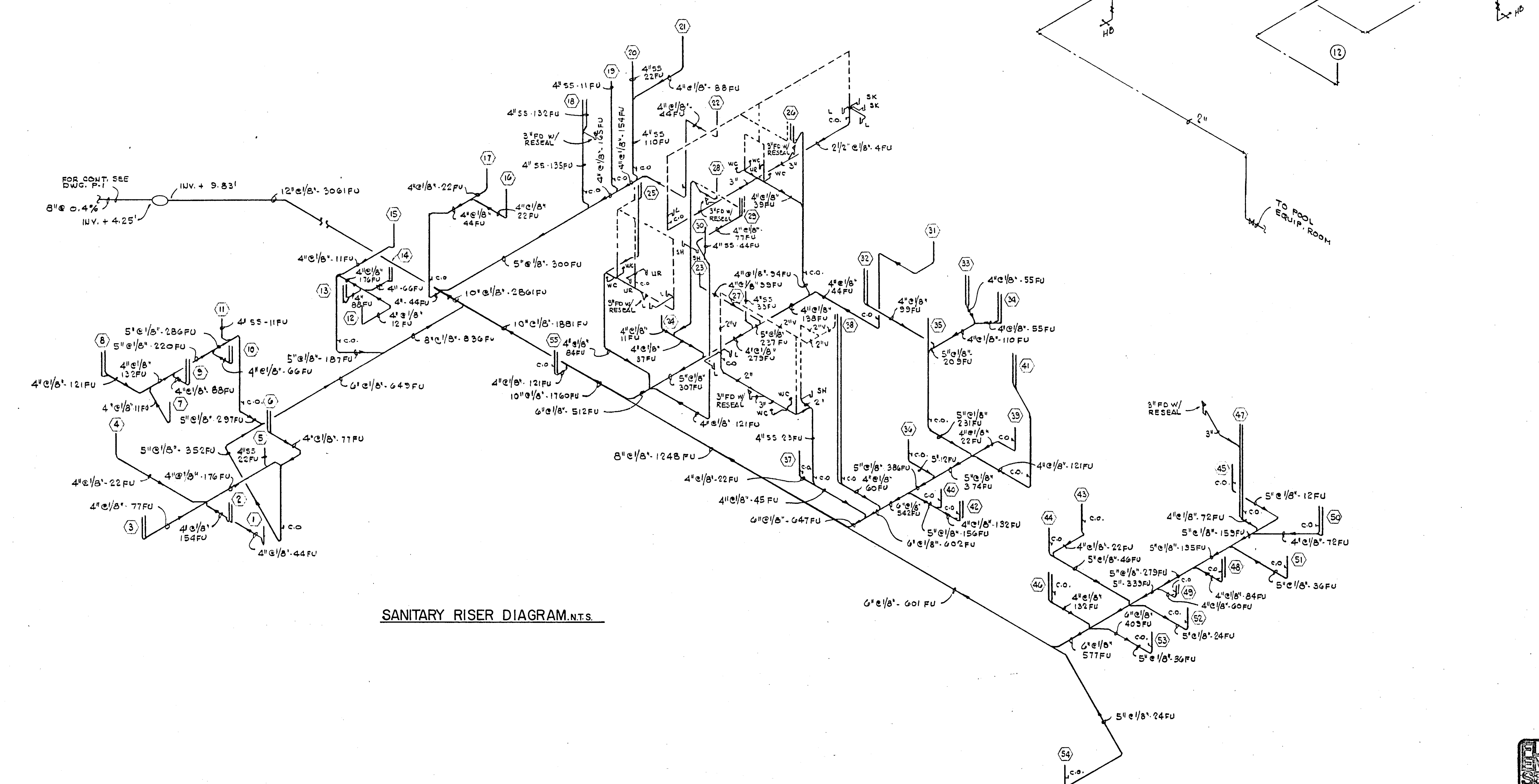
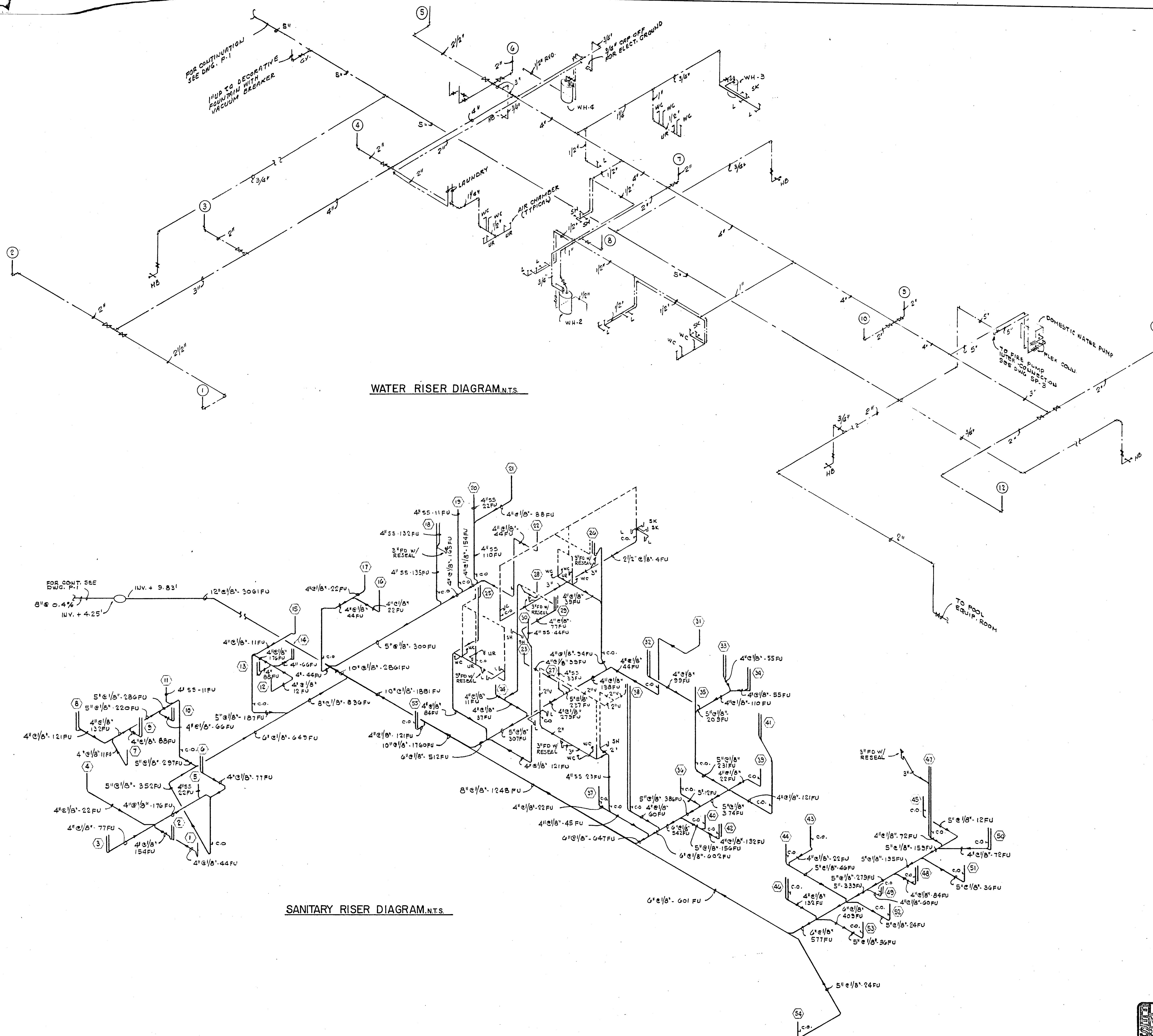
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138 S.E. 14TH LANE
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CHAMPLAIN TOWERS SOUTH
A- 135 UNIT CONDOMINIUM
COMM. NO. DATE: 8-13-79 SHEET No. 11 OF 11 SHEETS

FLORIDA ENGINEERING SERVICES
352 NE 167 STREET
MIAMI BEACH, FLA 33132 235-4743



PLUMBING NOTES

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CHAMPLAIN TOWERS SOUTH

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COMM. No.	DATE: 8-13-79	SHEET No. 134
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**FLORIDA
ENGINEERING
SERVICES**

352 NE 167 STREET
N MIAMI BCH, FL
33162 845 47