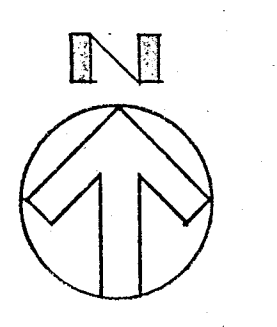


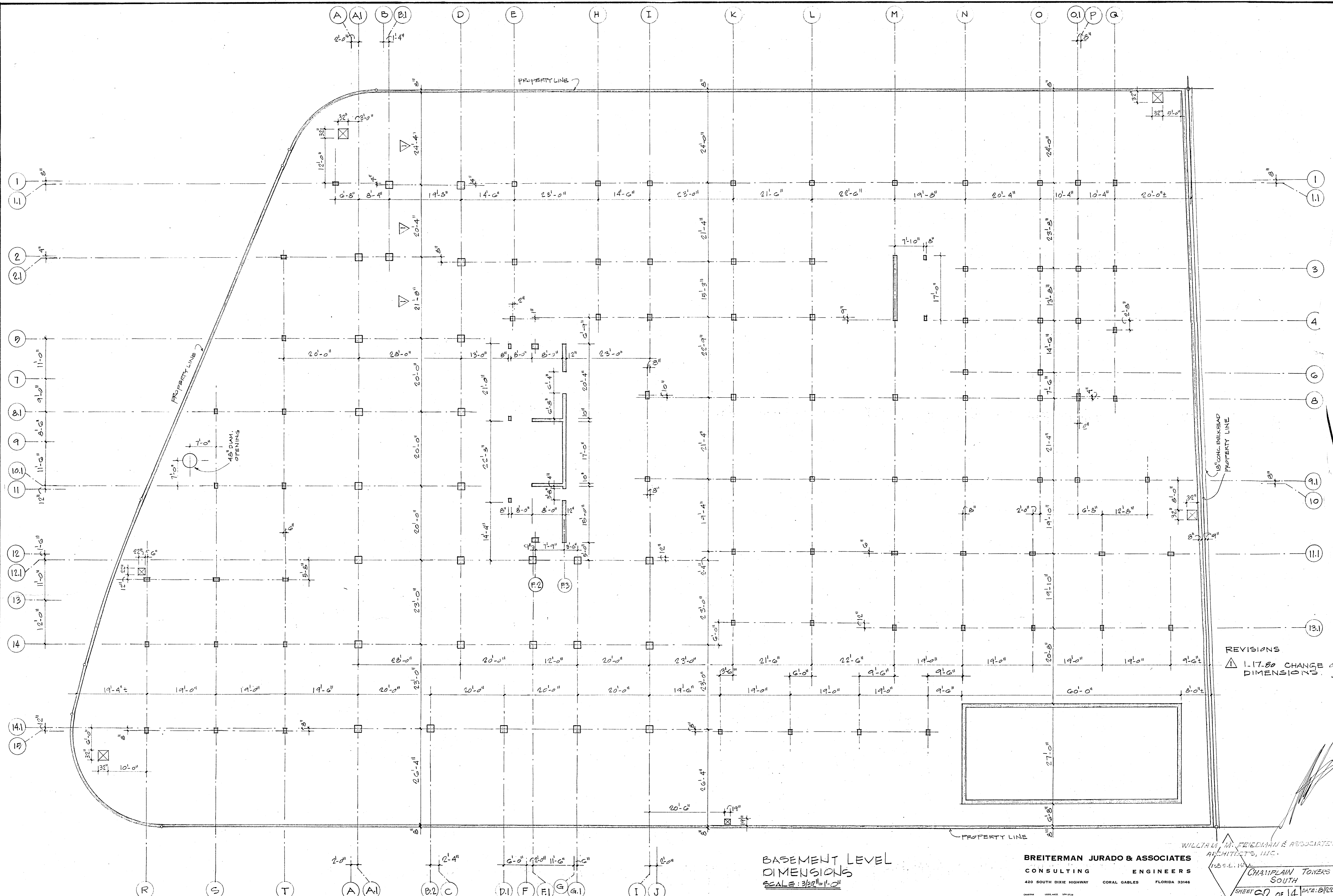
NOTE FOR DIMENSIONS SEE SHEET S-2



PILE CAP PLAN  
SCALE: 2/32" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY  
CORAL GABLES, FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
SHEET S1 OF DATE

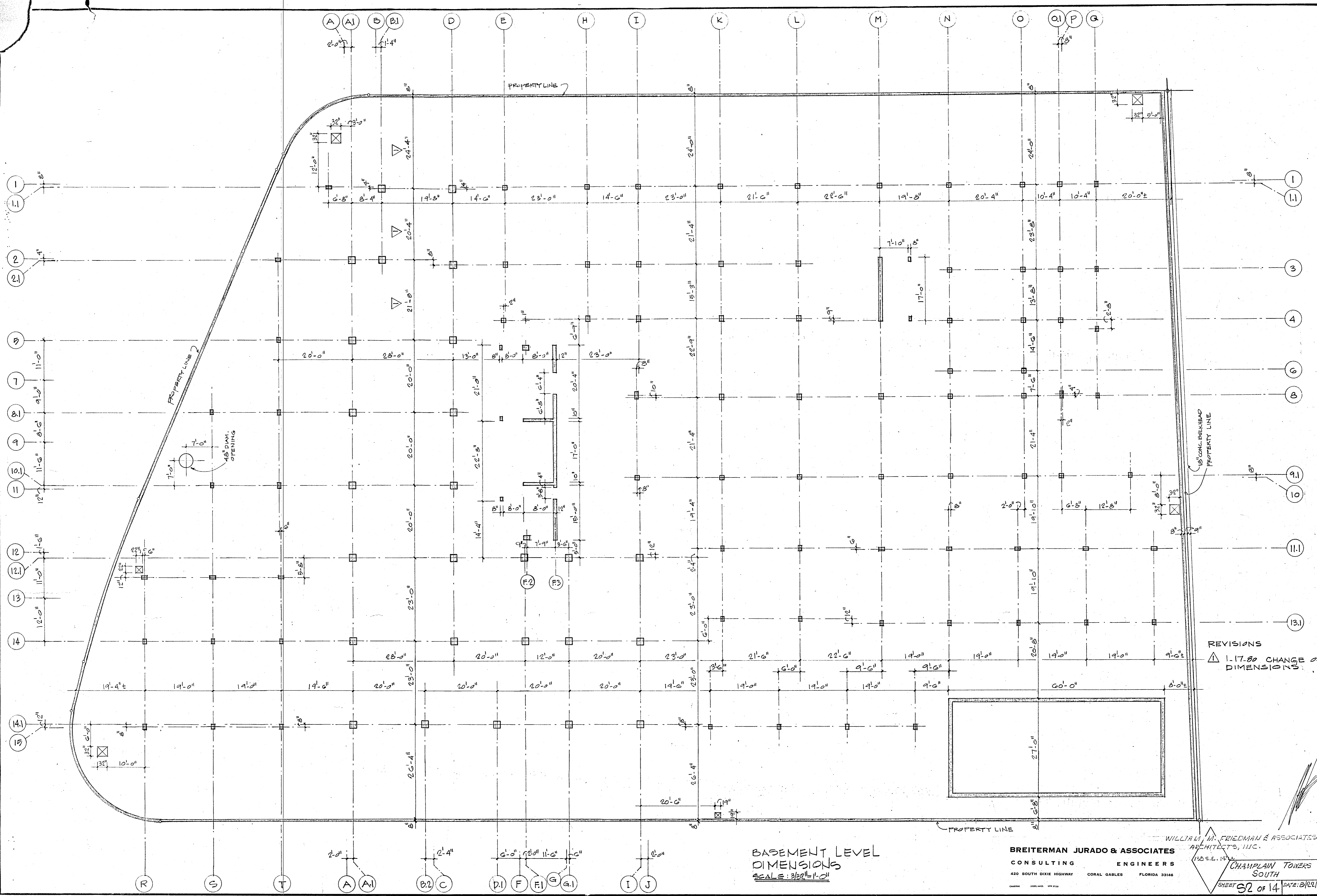


REVISIONS  
 ▲ 1-17-80 CHANGE OF DIMENSIONS

BASEMENT LEVEL DIMENSIONS  
 SCALE: 3/32" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

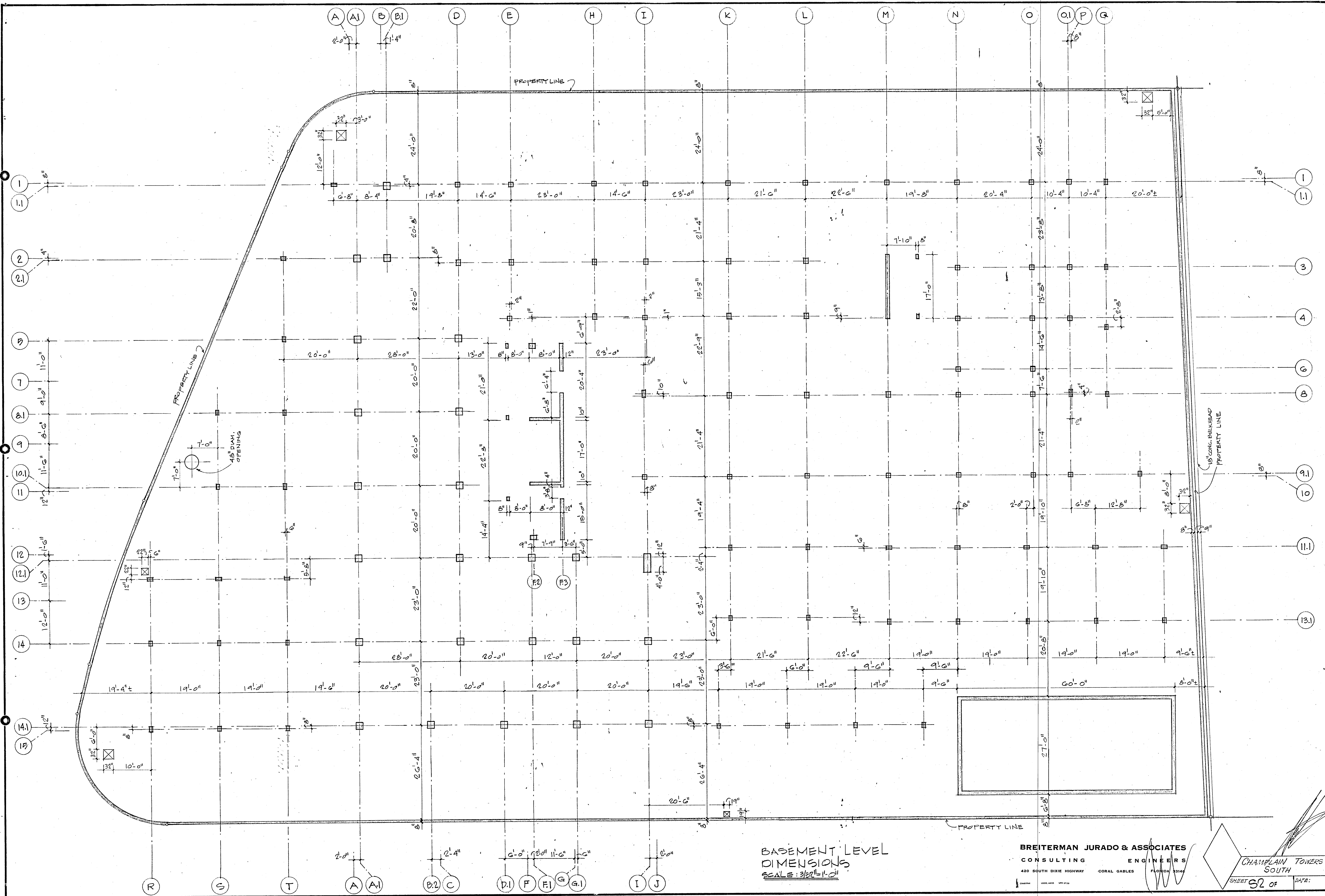
WILLIAM M. FEEDMAN & ASSOCIATED ARCHITECTS, INC.  
 CHAMPLAIN TOWERS SOUTH  
 SHEET 62 OF 14 DATE: 8/22/79



REVISIONS  
 ▲ 1-17-80 CHANGE OF DIMENSIONS

**BASEMENT LEVEL DIMENSIONS**  
 SCALE: 3/32" = 1'-0"

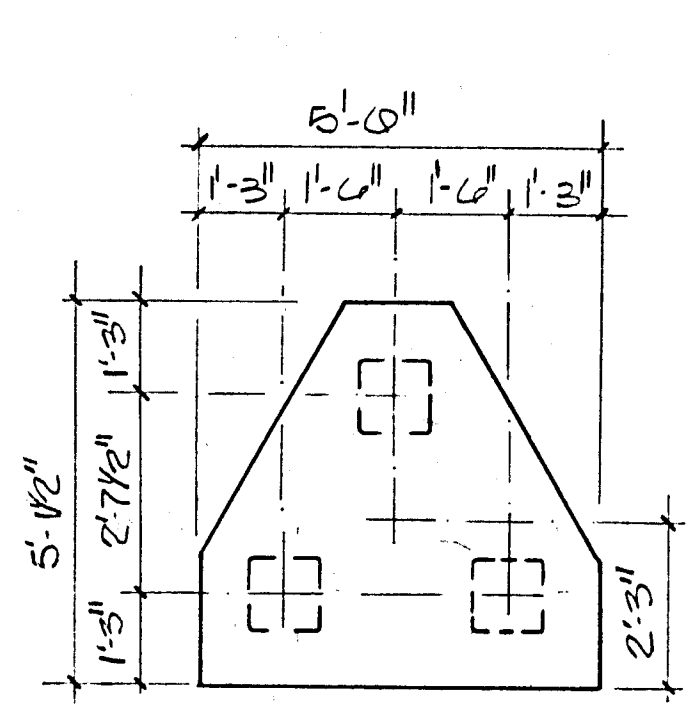
WILLIAM M. FRIEDMAN & ASSOCIATES ARCHITECTS, INC.  
 BREITERMAN JURADO & ASSOCIATES CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146  
 CHAMPLAIN TOWERS SOUTH  
 SHEET 92 OF 14 DATE: 8/22/79



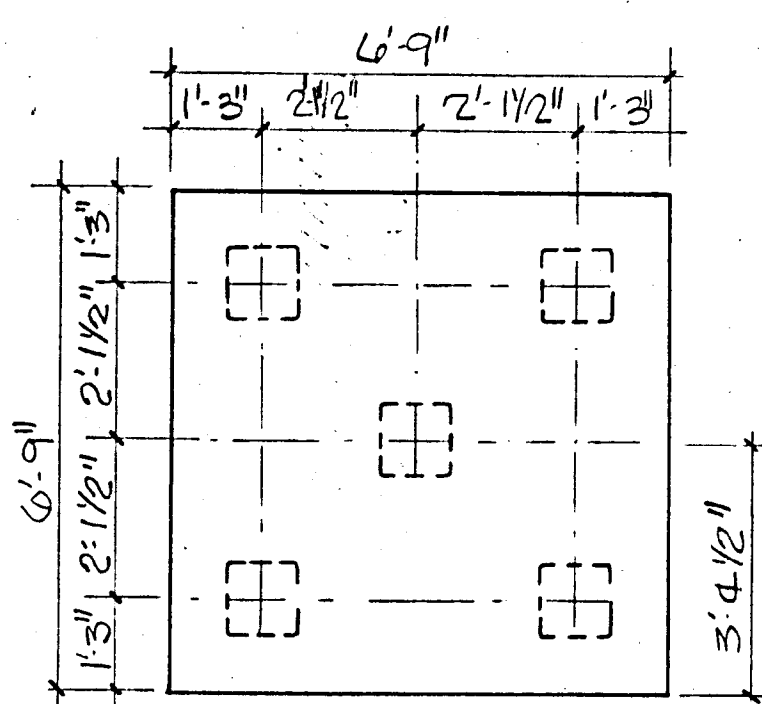
BASEMENT LEVEL  
DIMENSIONS  
SCALE: 3/32"=1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

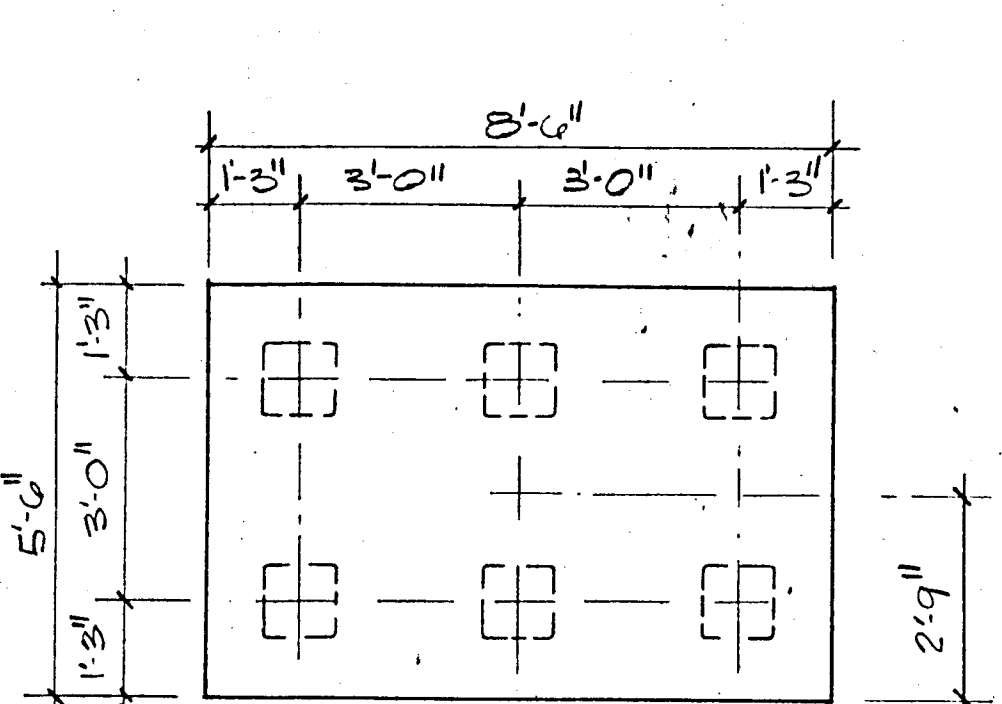
CHAMPLAIN TOWERS  
SOUTH  
SHEET 32 OF DATE:



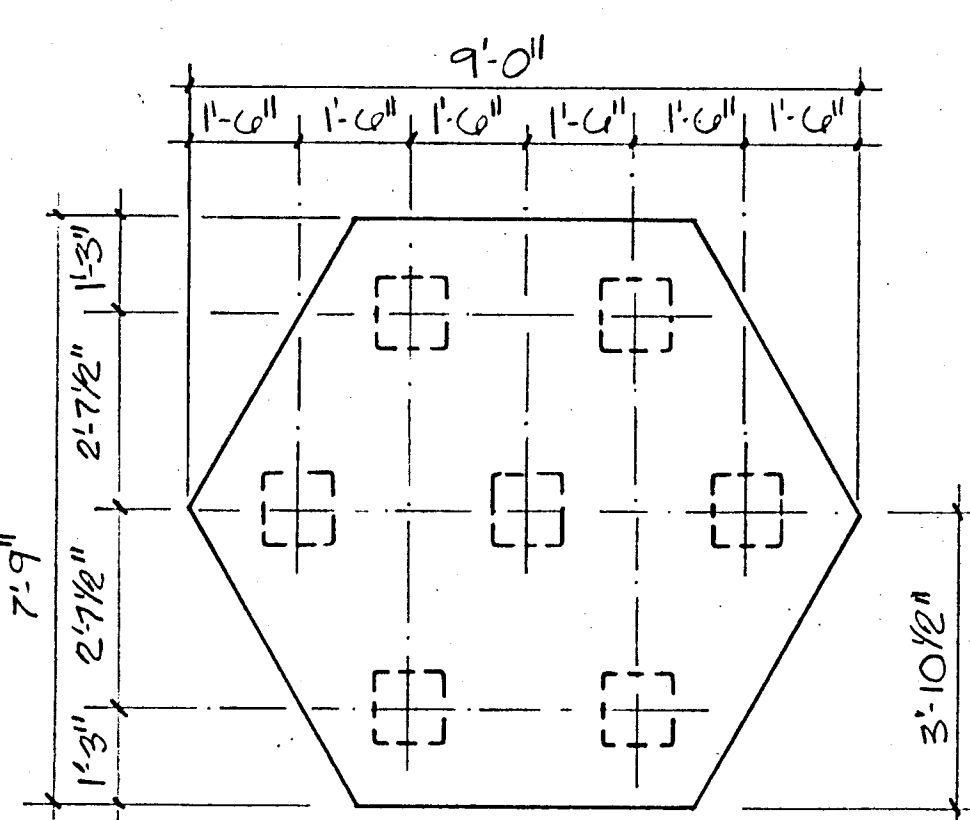
**3-PC**  
DEPTH = 31"  
3 #7 3 WAY BOT



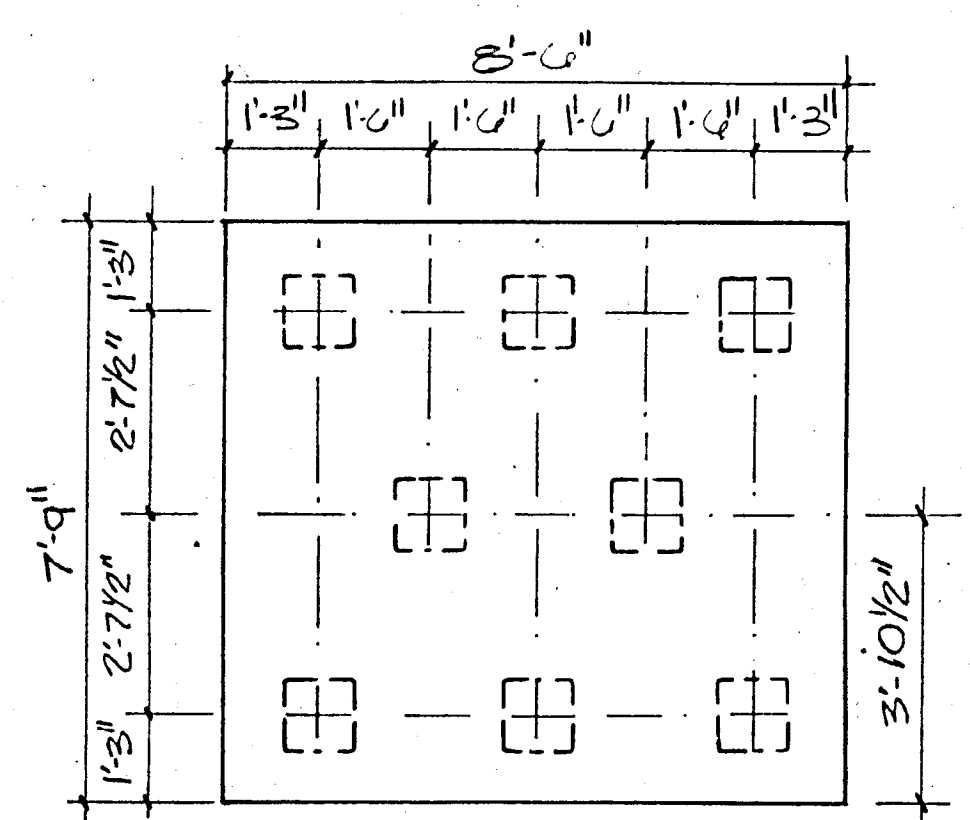
**5-PC**  
DEPTH = 35"  
6 #8 EACH WAY



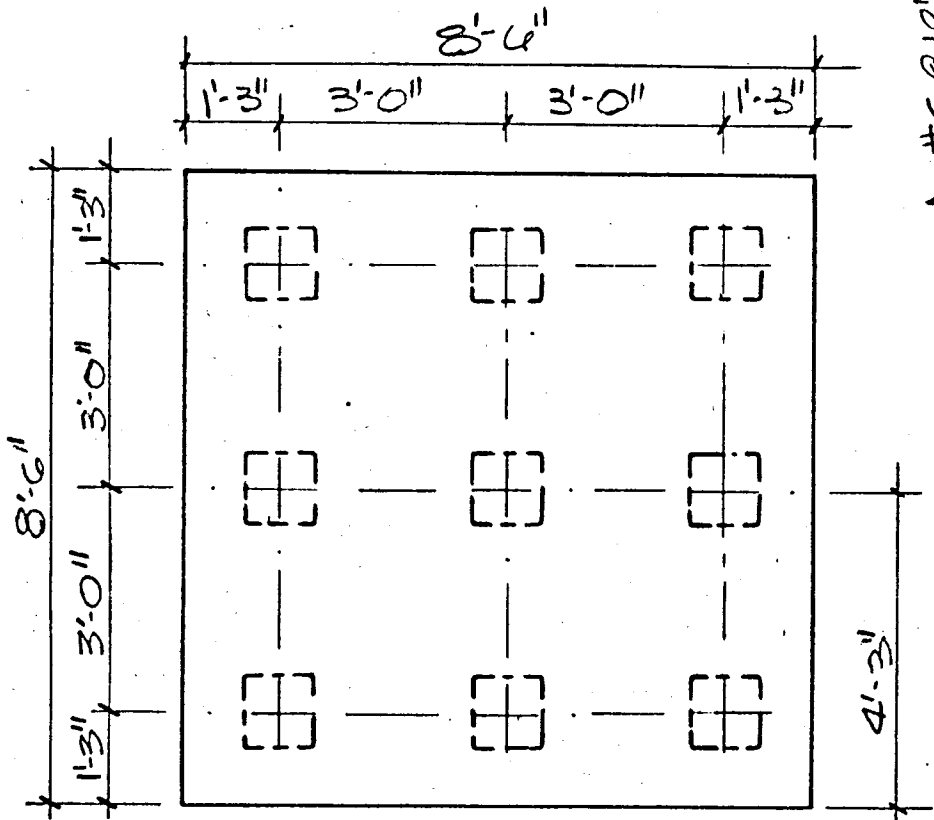
**6-PC**  
DEPTH = 40"  
6 #9 LONG WAY  
12 #7 SHORT WAY



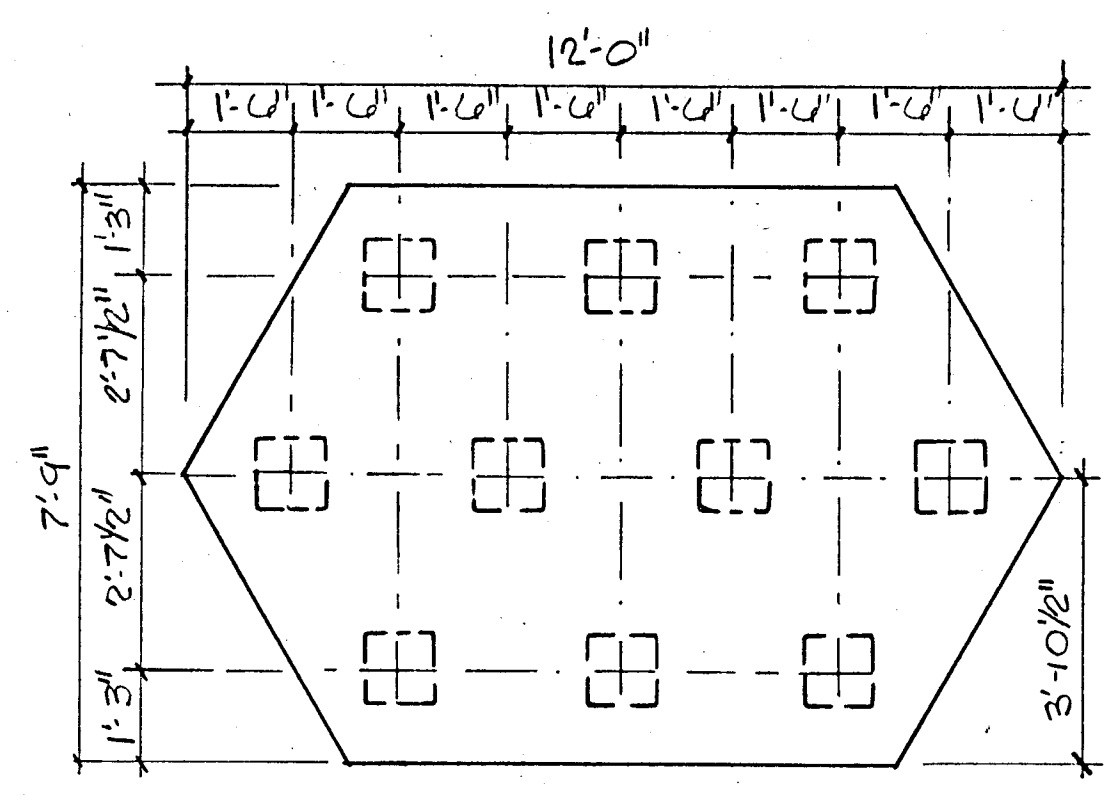
**7-PC**  
DEPTH = 41"  
6 #9 LONG WAY  
8 #8 SHORT WAY



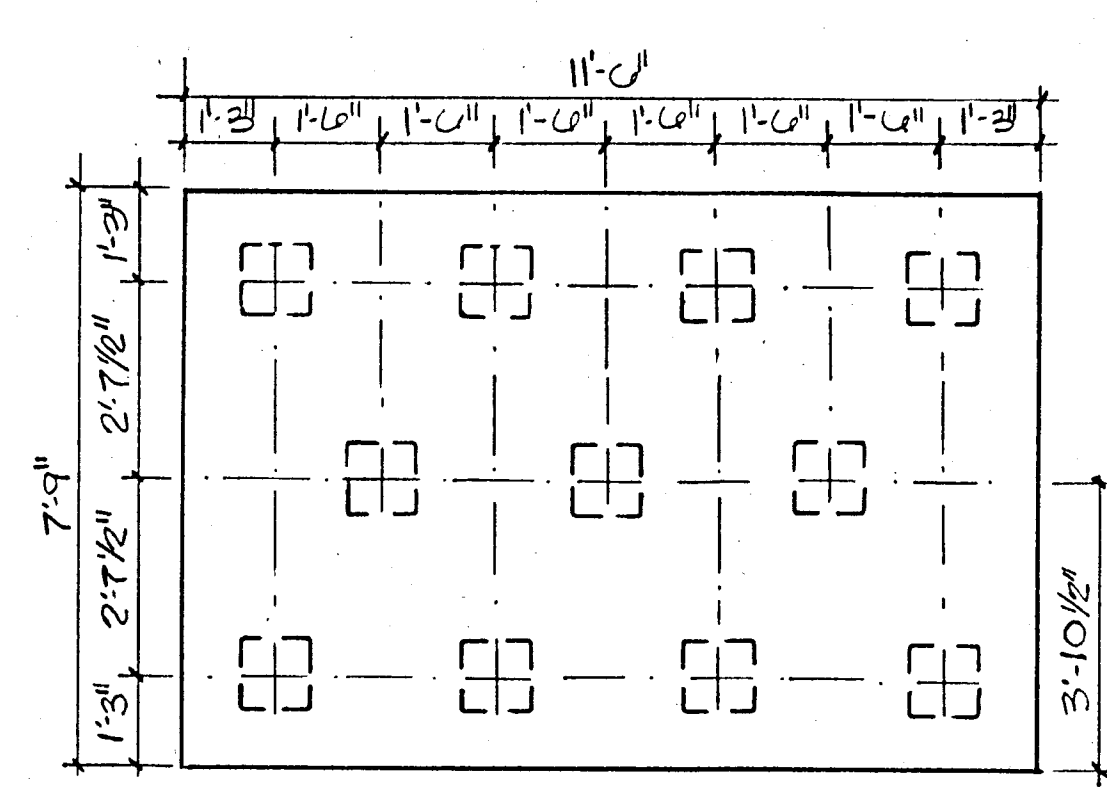
**8-PC**  
DEPTH = 40"  
6 #9, LONGWAY  
7 #9, SHORTWAY



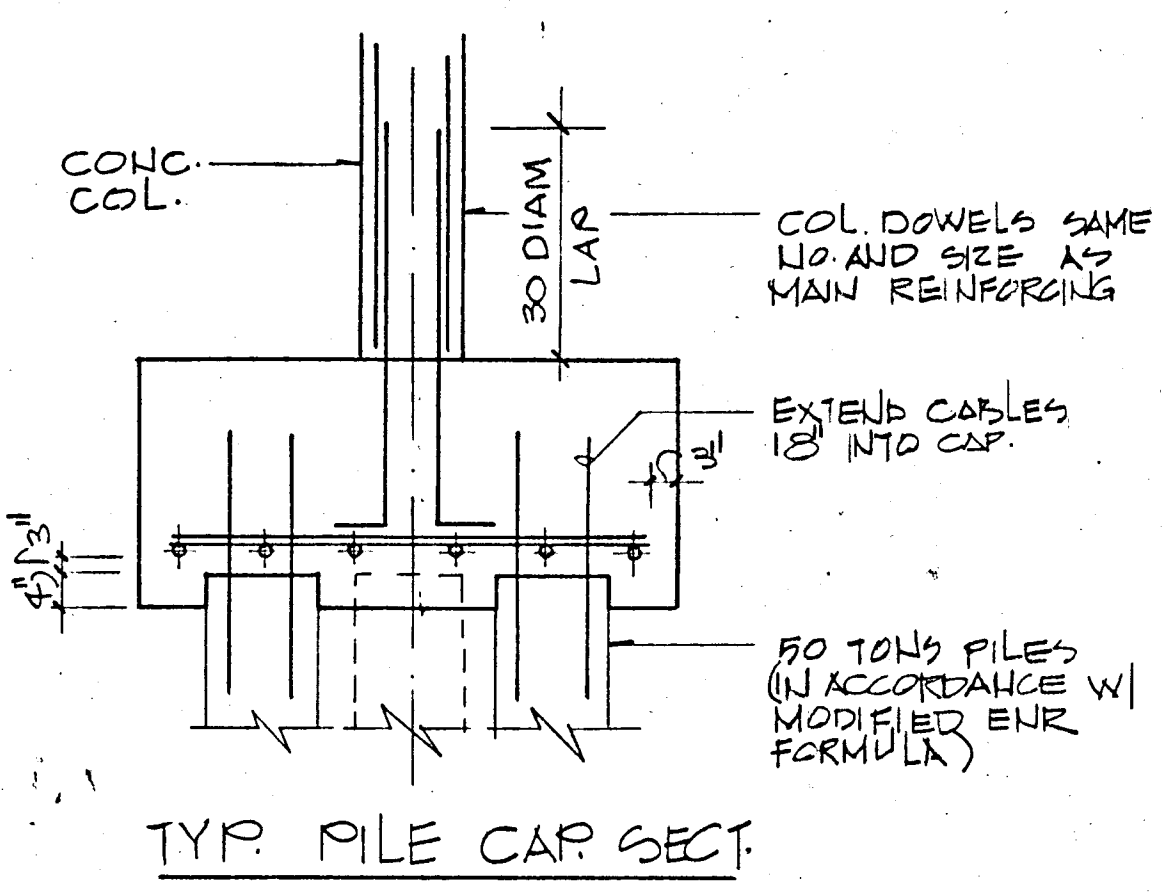
**9-PC**  
DEPT = 45"  
7 #9 EACH WAY BOT.



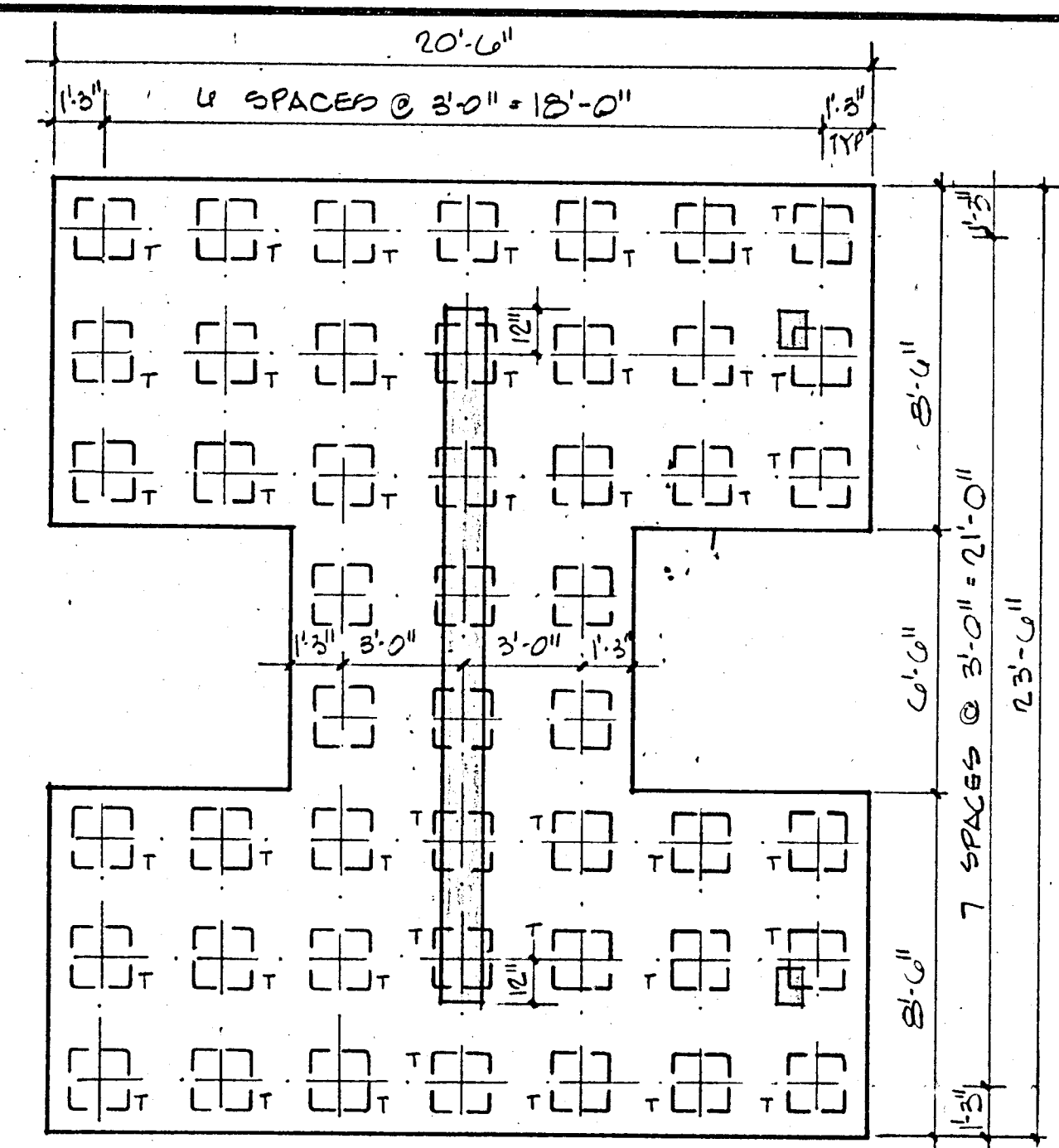
**10-PC**  
DEPTH = 44"  
6 #11 LONG WAY  
10 #9 SHORT WAY  
SCALE: 3/8"=1'-0"



**11-PC**  
DEPTH = 47"  
7 #11 LONG WAY  
14 #8 SHORT WAY

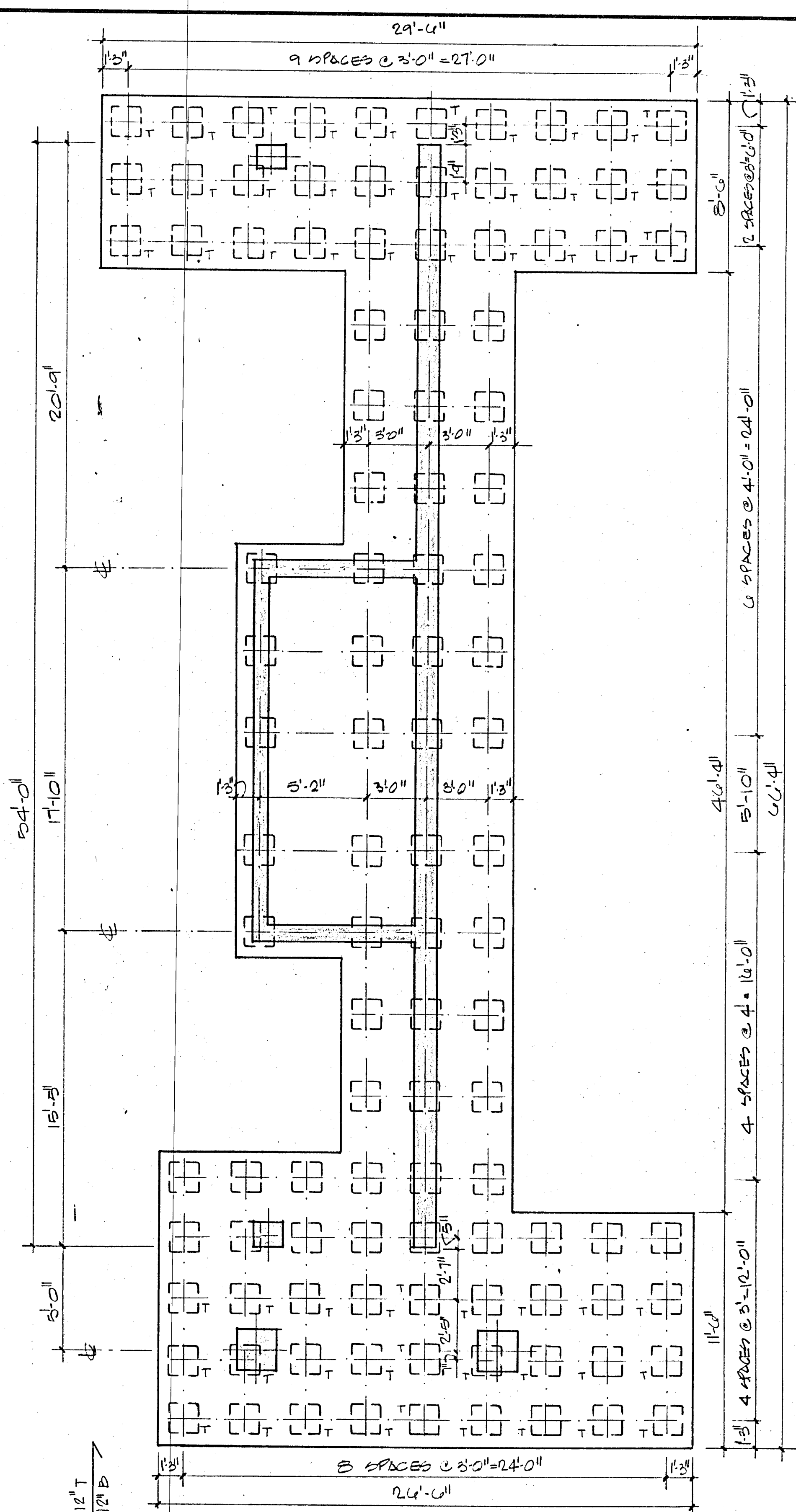


TYP. PILE CAP SECT.



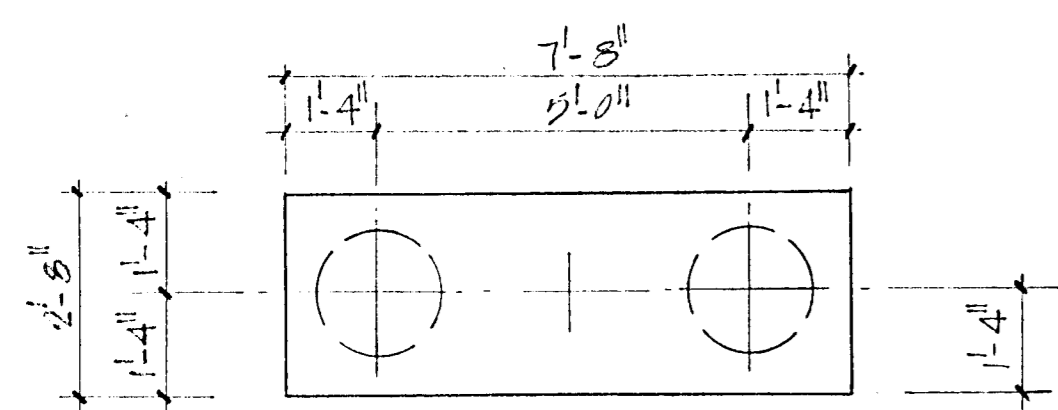
**48-PC**  
DEPTH = 42"  
SCALE: 1/4"=1'-0"

NOTE  
"T" DENOTES TENSION PILES

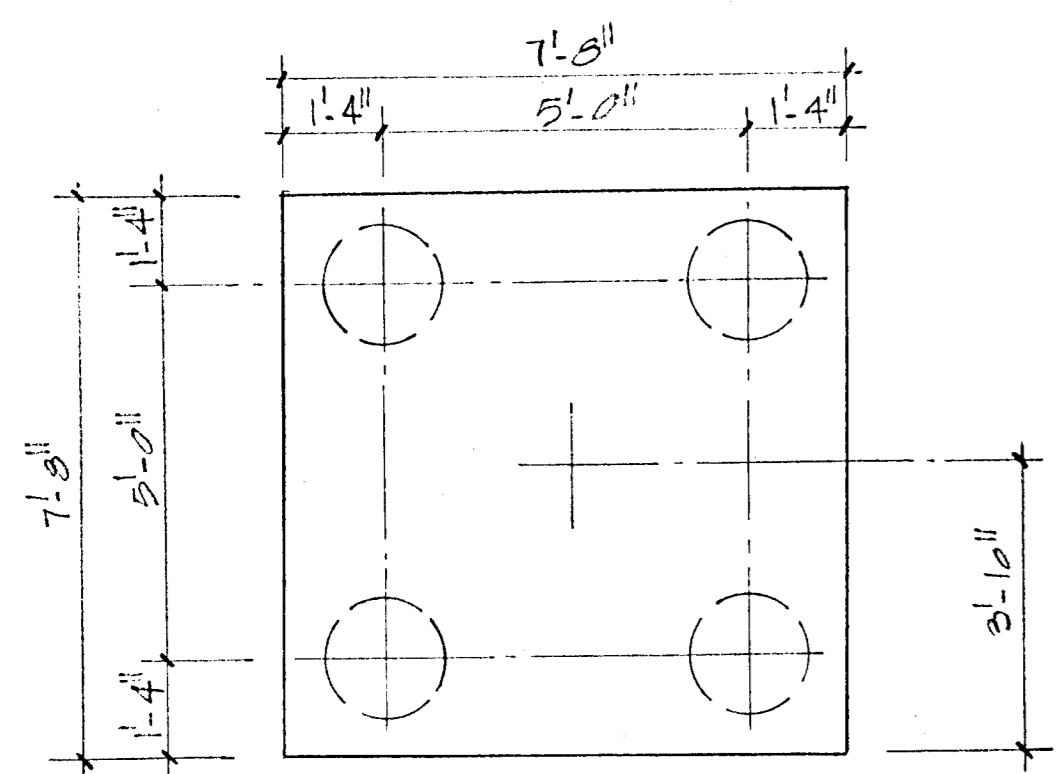


**110-PC**  
DEPTH = 42"  
SCALE: 1/4"=1'-0"

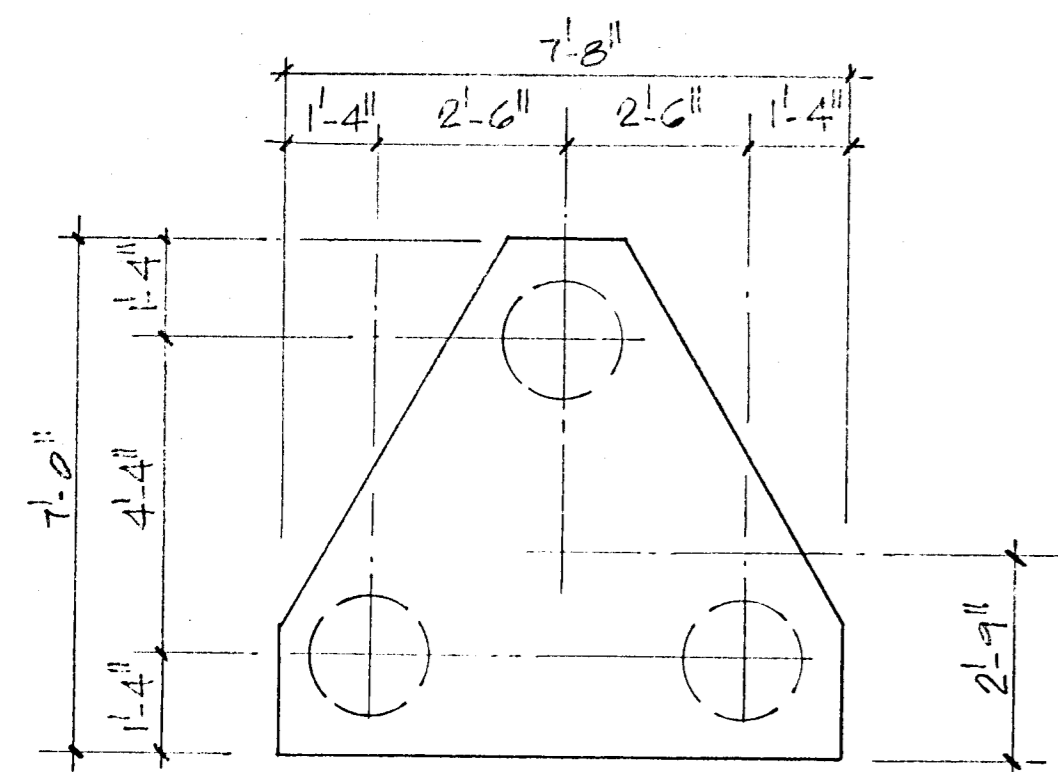
PILE CAP DETAIL PLAN  
SCALE AS SHOWN



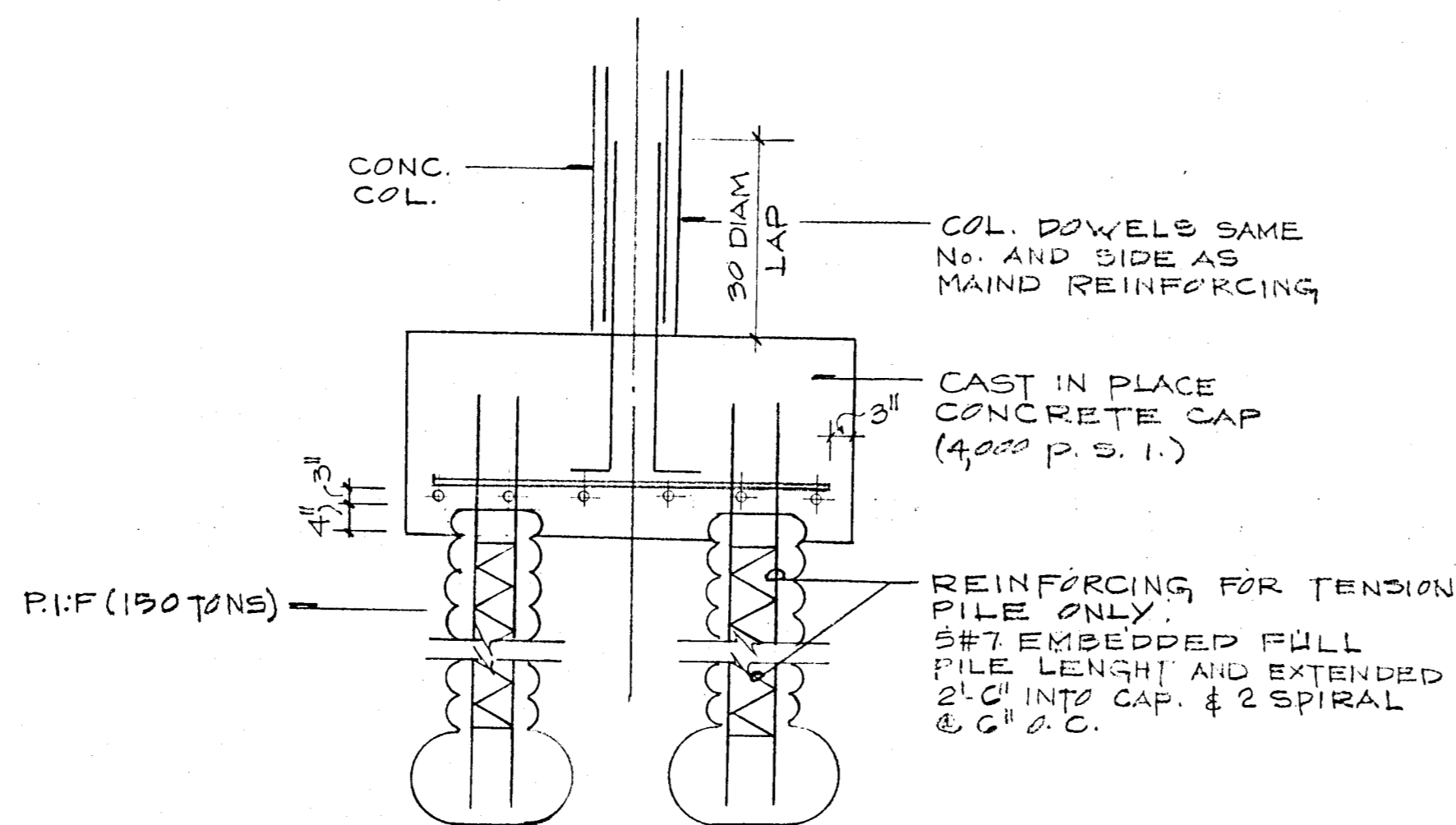
2 PIF  
DEPTH = 3'-6"  
7#6 LONG WAY  
0#4 SHORT WAY



4 PIF  
DEPTH = 3'-6"  
12#7 EACH WAY

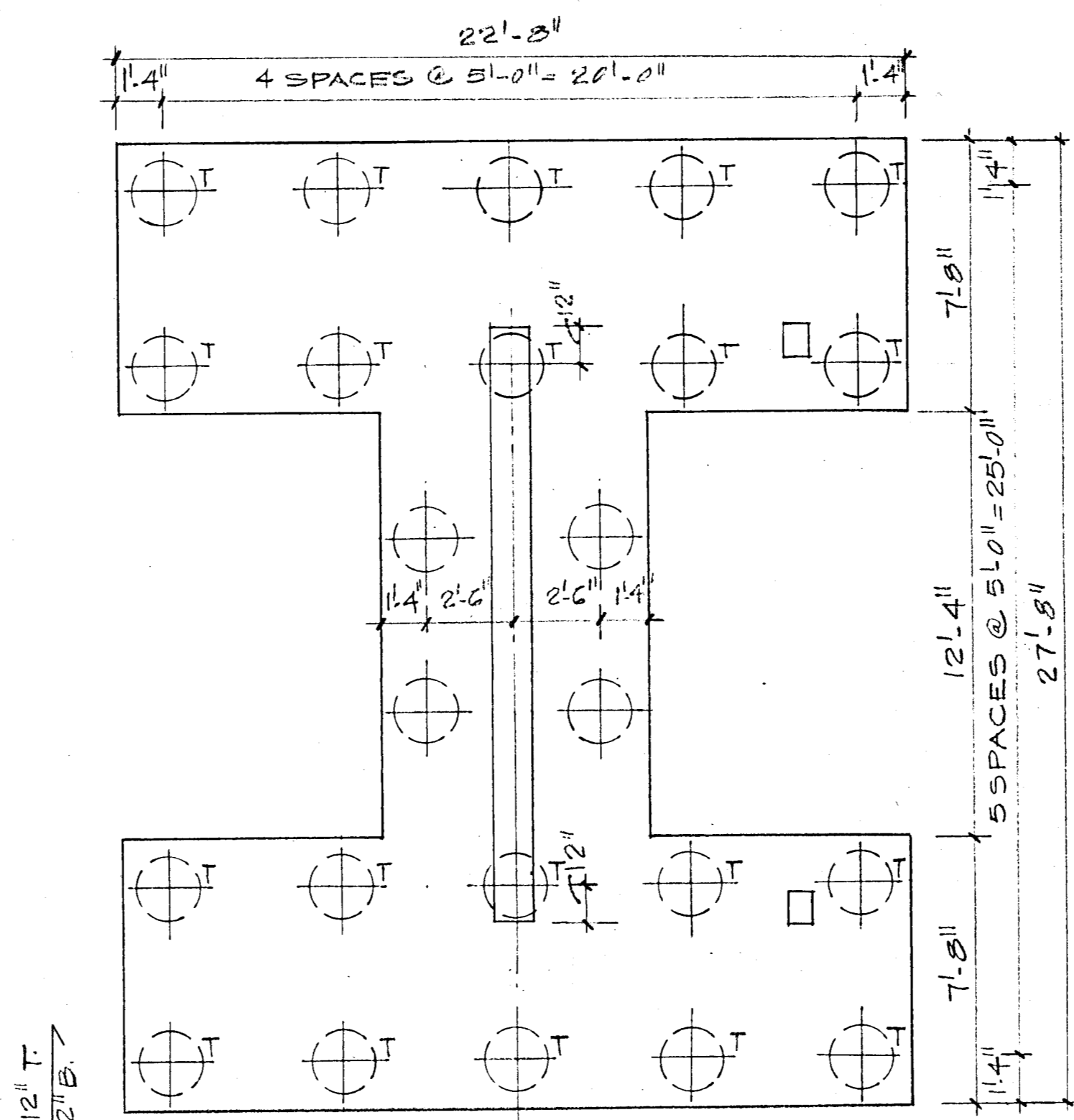


3 PIF  
DEPTH = 3'-6"  
9#6 3WAY



TYP PILE CAP SECTION

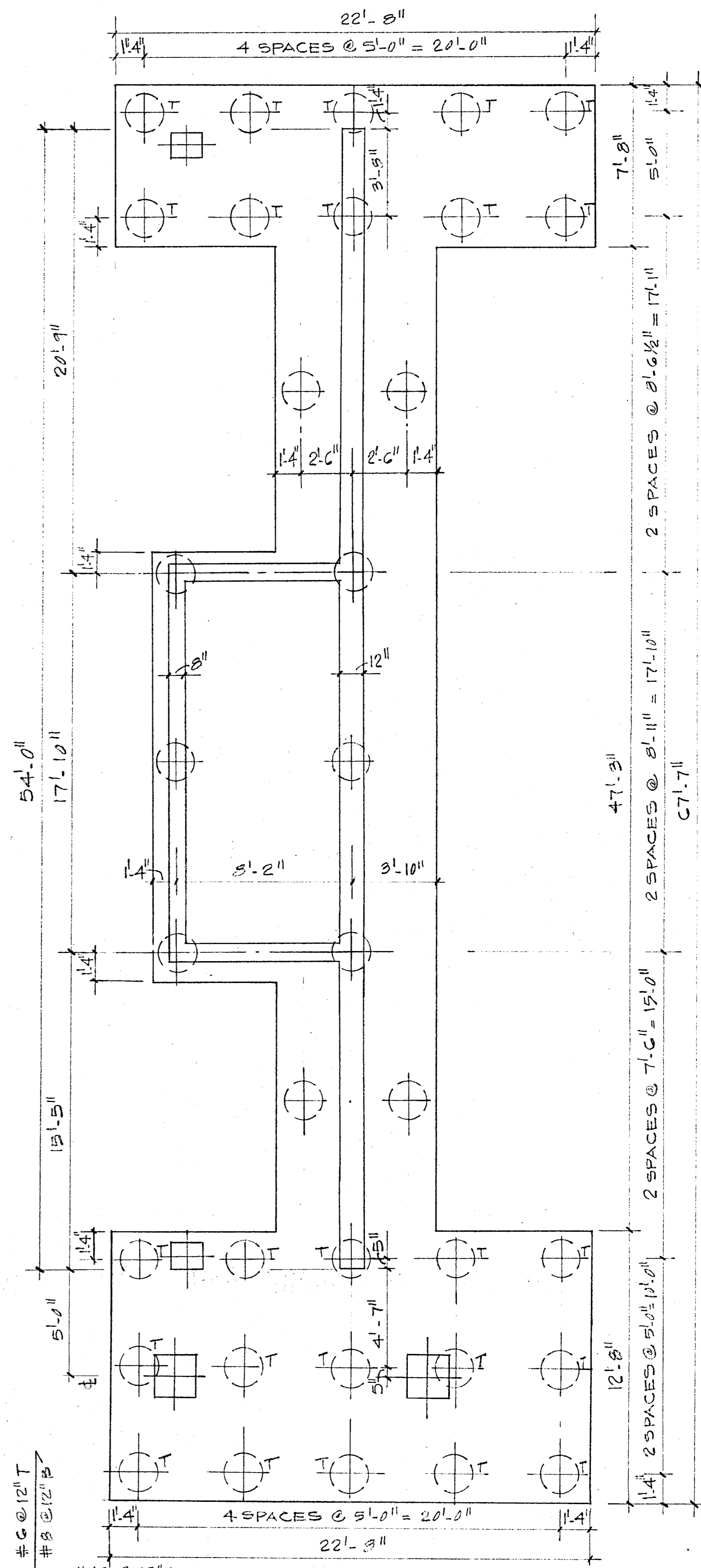
PILE CAP DETAIL  
SCALE AS SHOWN



24 PIF  
DEPTH = 4'-0"  
SCALE 1/4" = 1'-0"

NOTE  
"T" DENOTES TENSION PILES

#6 @ 12" T  
#8 @ 12" B  
#9 @ 12" T  
#11 @ 12" B  
OUTER LAYER



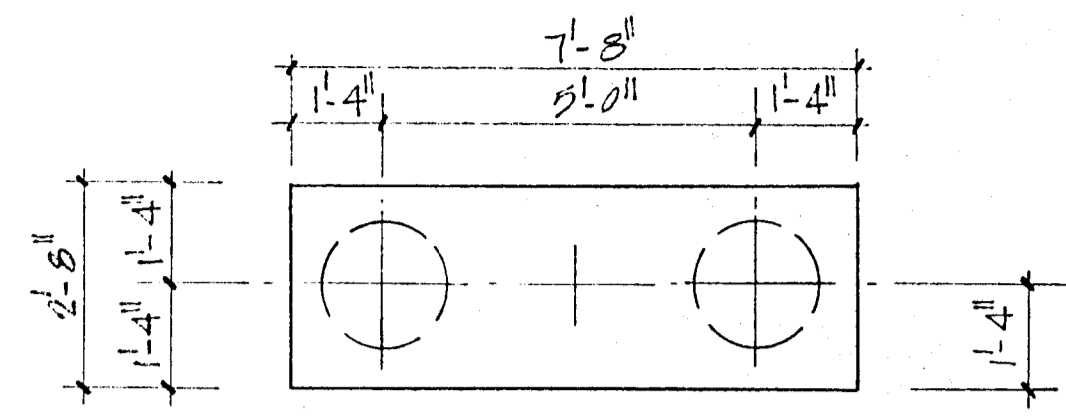
30 PIF  
DEPTH = 4'-6"  
SCALE 1/4" = 1'-0"  
NOTE: "T" (DENOTES TENSION PILES)

#6 @ 12" T  
#8 @ 12" B  
#10 @ 12" T  
#10 @ 6" B  
OUTER LAYER

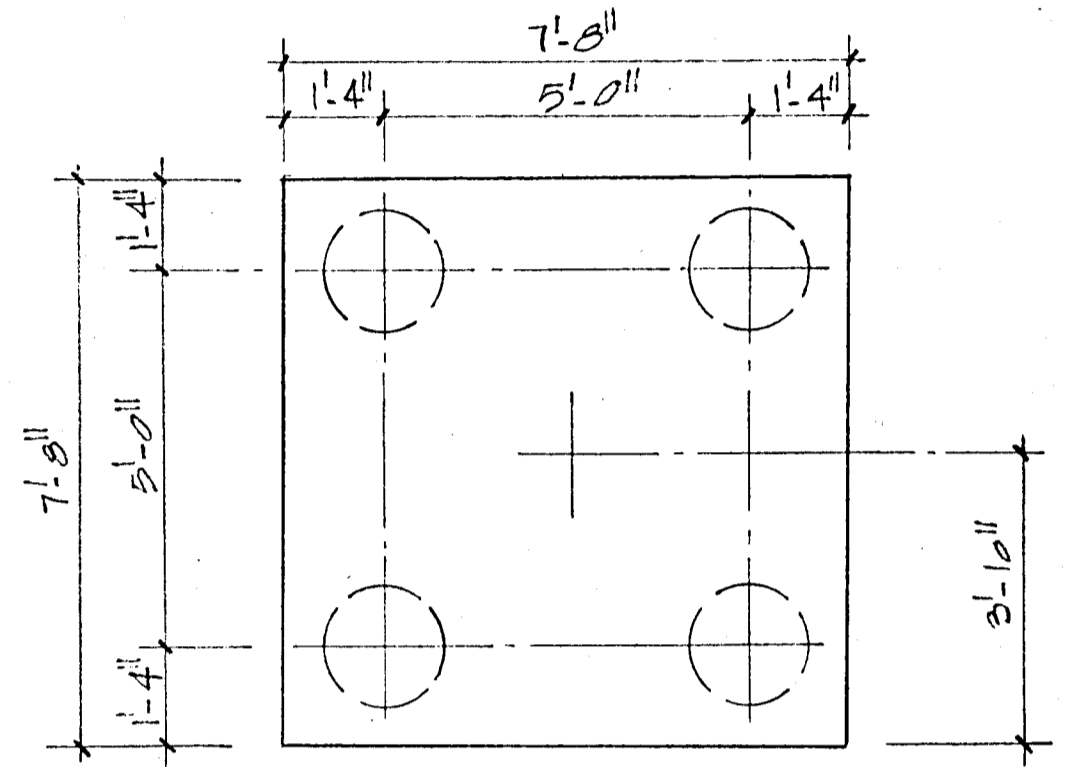
REVISIONS  
△ GENERAL REVISIONS

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

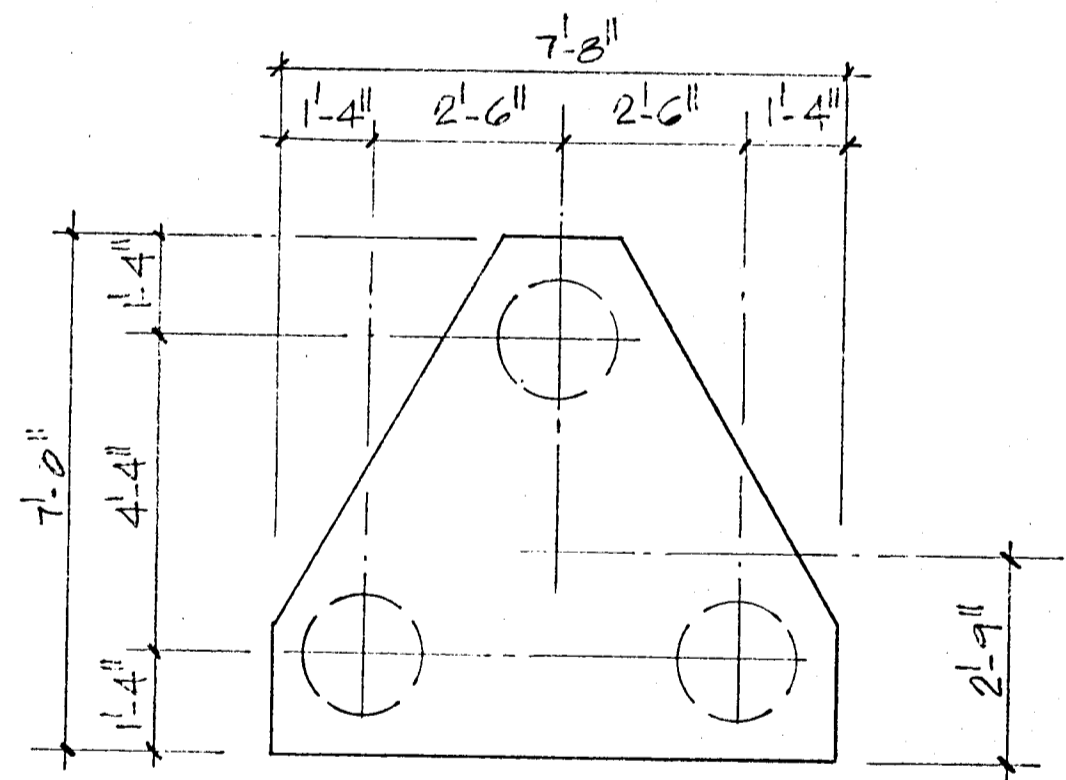
CHAMPLAIN TOWERS SOUTH		
A 135 UNIT CONDOMINIUM		
COMM. NO.	DATE	SHEET NO.
	1-17-88	53 OF 14
REV.	△	



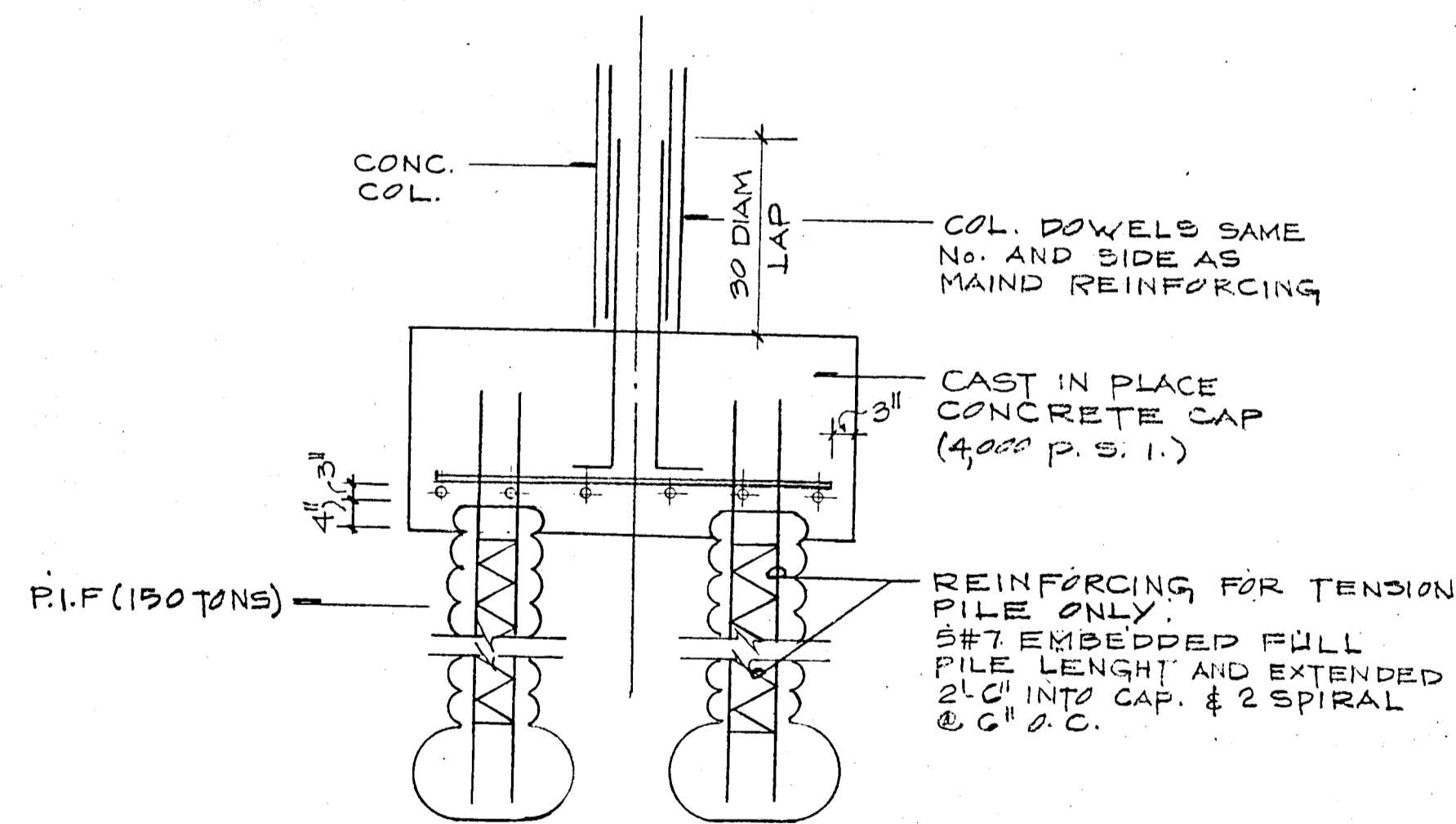
2 PIF  
DEPTH = 3'-6"  
7#6 LONG WAY  
0#4 SHORT WAY



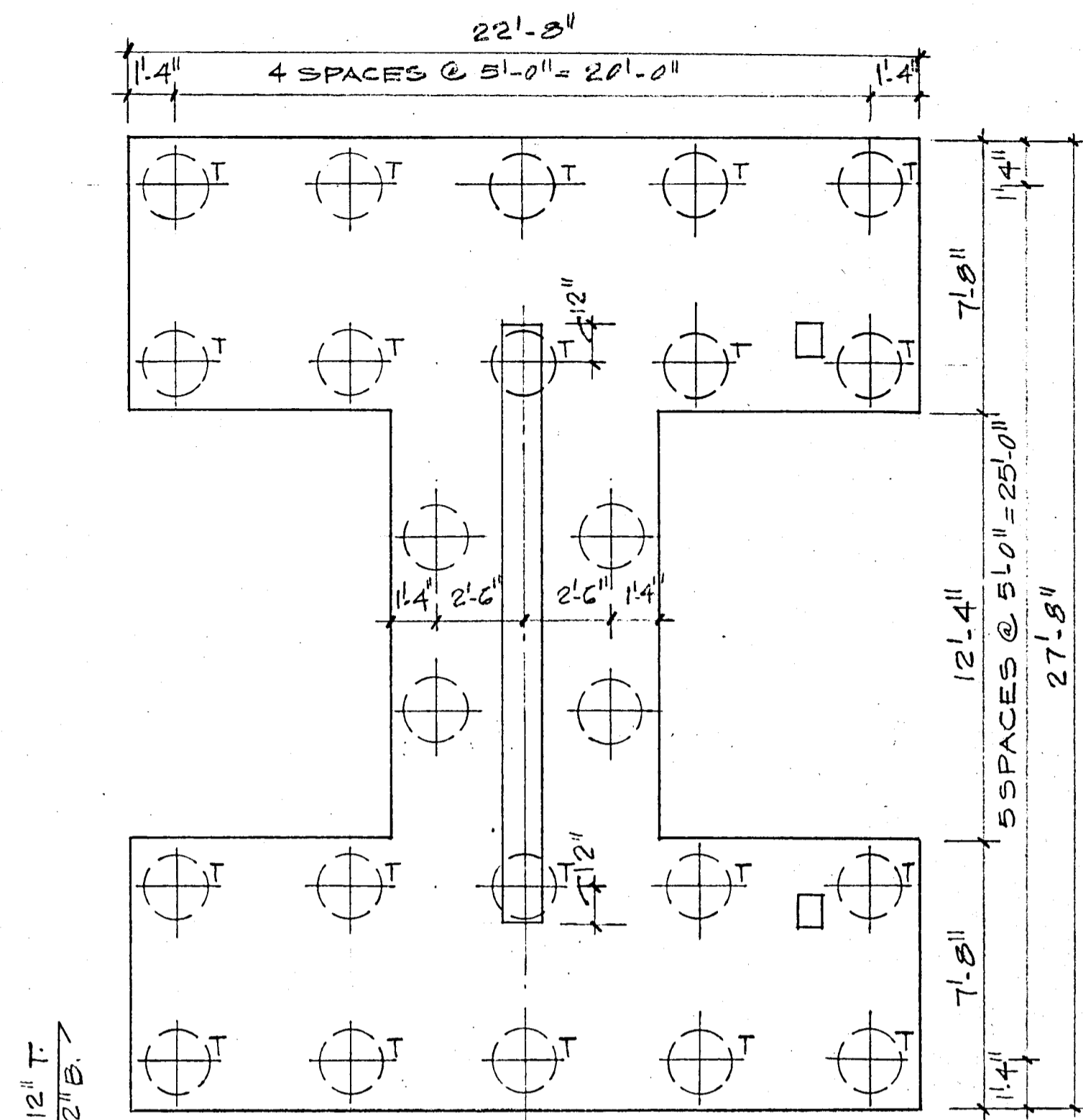
4 PIF  
DEPTH = 3'-6"  
12#7 EACH WAY



3 PIF  
DEPTH = 3'-6"  
9#6 3WAY

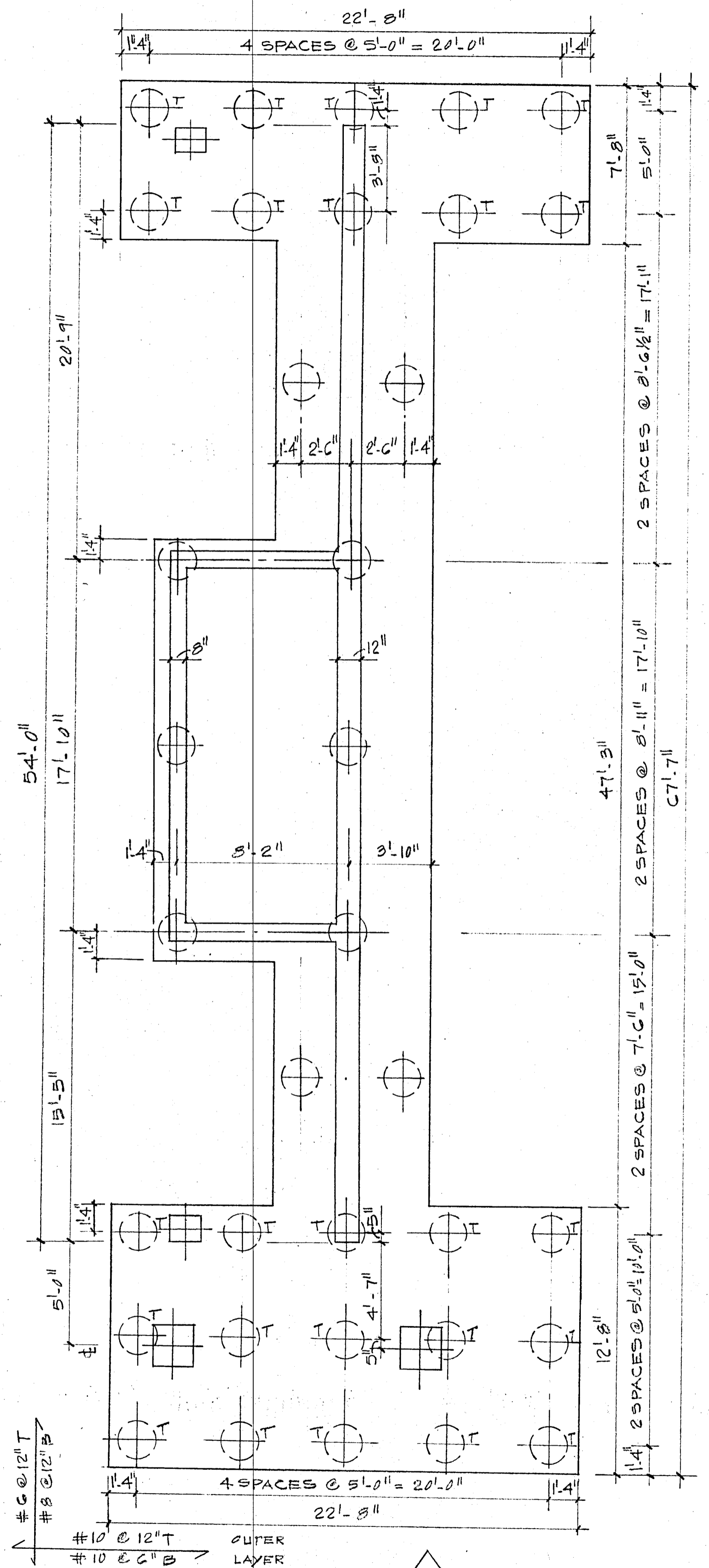


TYP. PILE CAP SECTION



24 PIF  
DEPTH = 48"  
SCALE 1/4" = 1'-0"

NOTE  
"T" DENOTES TENSION PILES



35 PIF  
DEPTH = 48"  
SCALE: 1/4" = 1'-0"  
NOTE: "T" (DENOTES TENSION PILES)

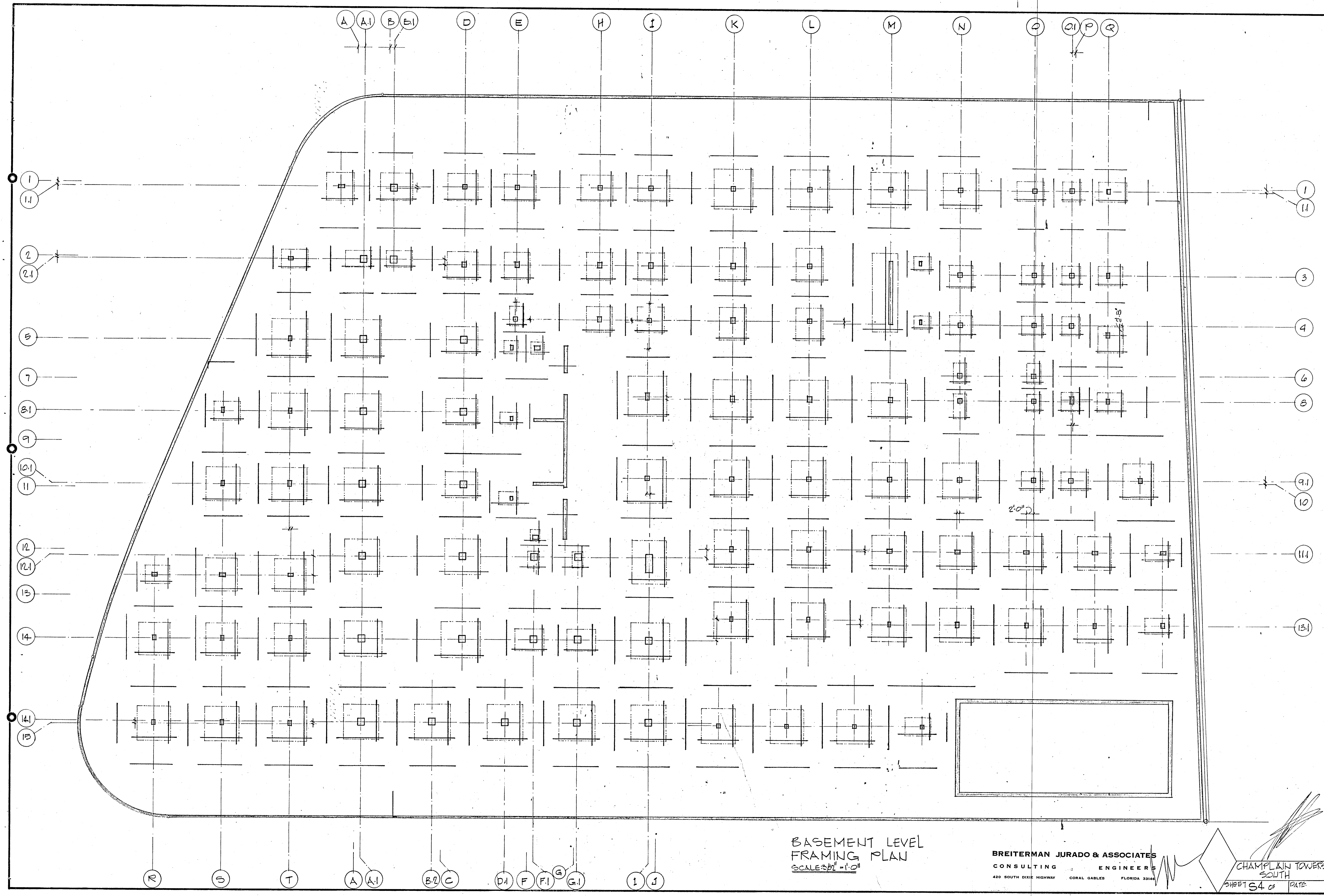
PILE CAP DETAIL  
SCALE AS SHOWN

REVISIONS  
△ GENERAL REVISIONS

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM

COMM. NO.	DATE	SHEET NO.
	1-17-80	53 OF 14
REV.	△	



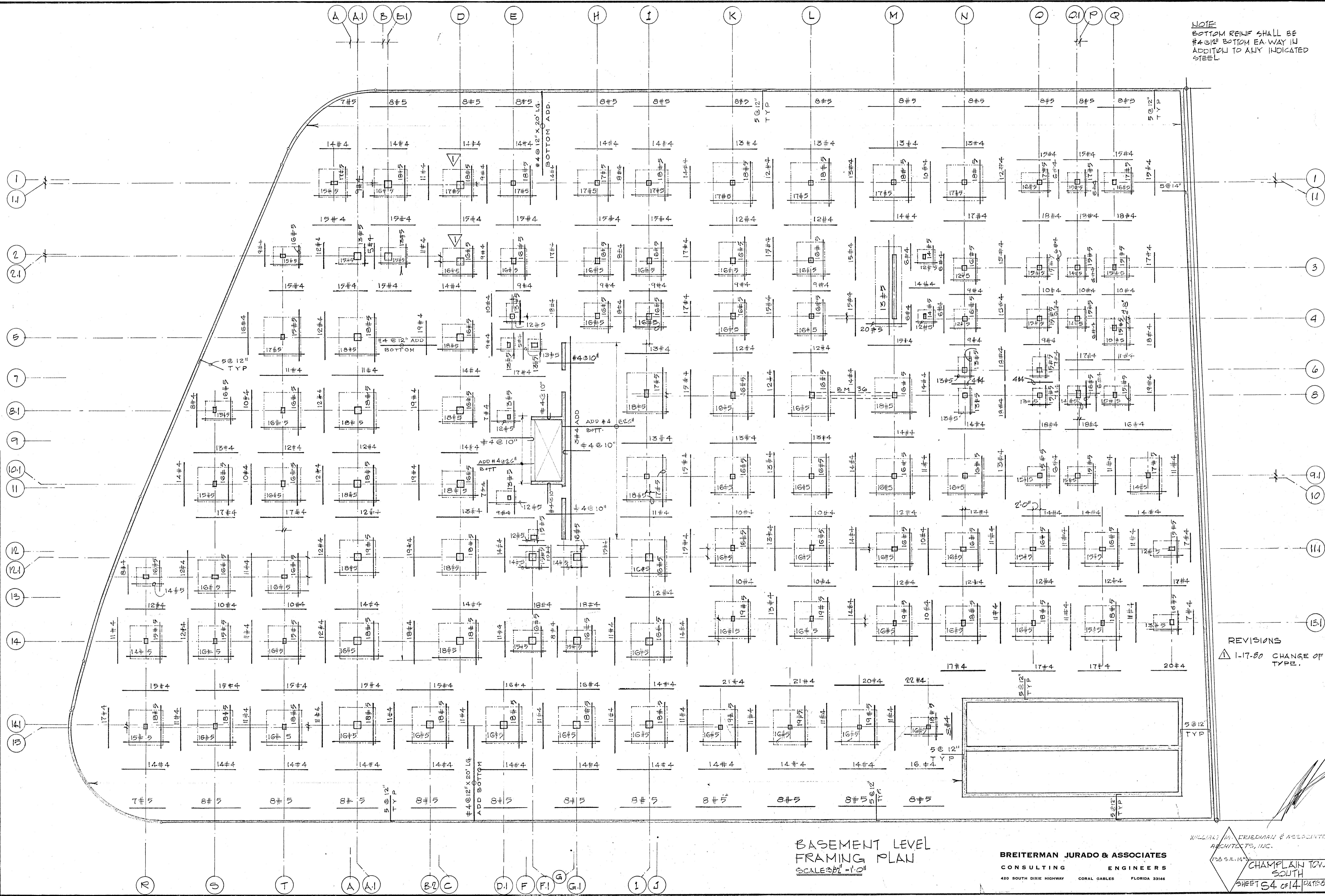
BASEMENT LEVEL  
FRAMING PLAN  
SCALE: 3/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS  
SOUTH  
SHEET S4 OF DATE



NOTE:  
 BOTTOM REINF SHALL BE  
 #4 @ 12" BOTTOM EA WAY IN  
 ADDITION TO ANY INDICATED  
 STEEL.



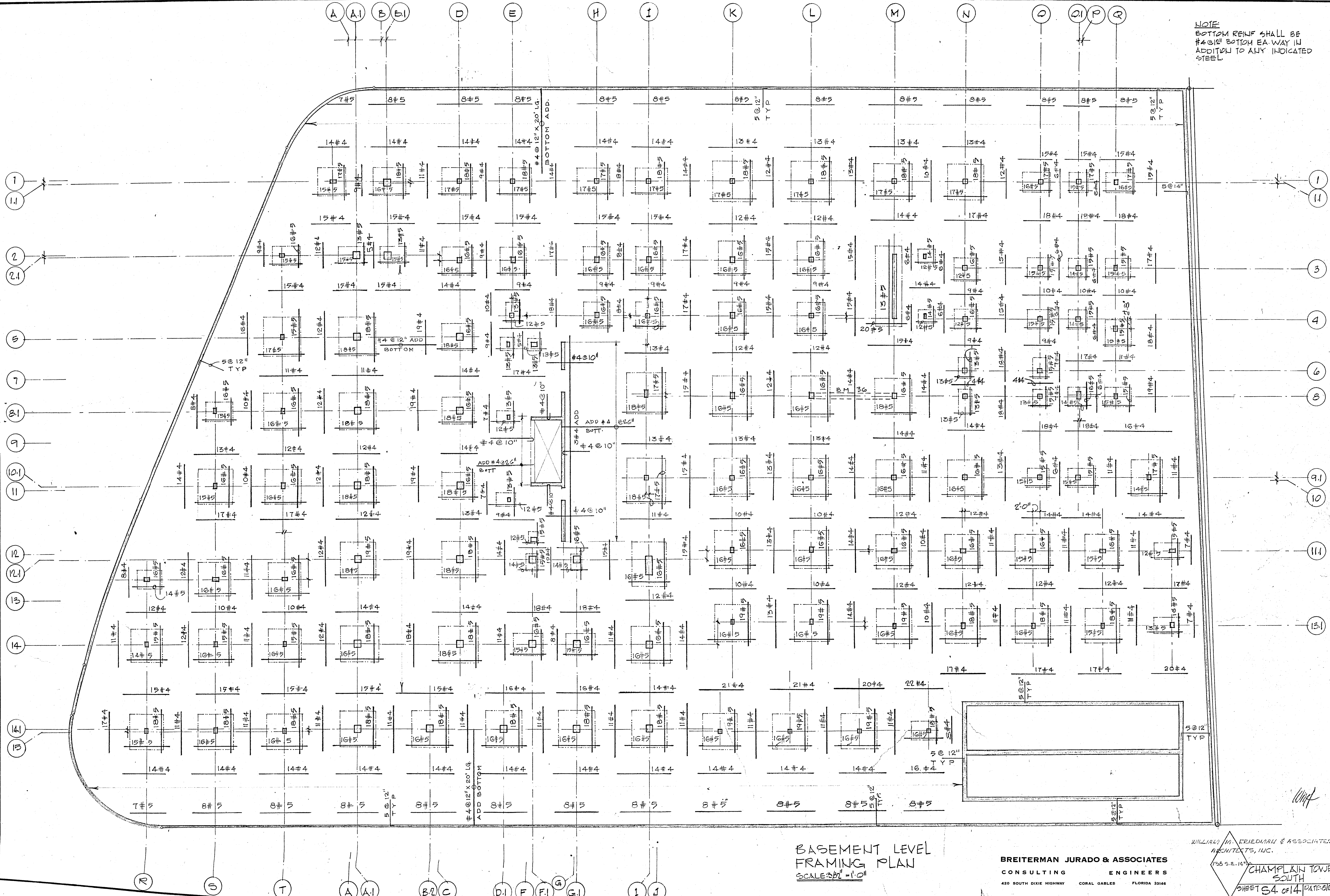
REVISIONS  
 Δ 1-17-80 CHANGE OF COL TYPE.

BASEMENT LEVEL  
 FRAMING PLAN  
 SCALE: 3/8" = 1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 128 S.E. 14<sup>TH</sup>  
 CHAMPLAIN TOWERS  
 SOUTH  
 SHEET 54 OF 14 DATE: 6/14/77

NOTE:  
 BOTTOM REINF SHALL BE  
 #4 @ 12" BOTTOM EA WAY IN  
 ADDITION TO ANY INDICATED  
 STEEL.

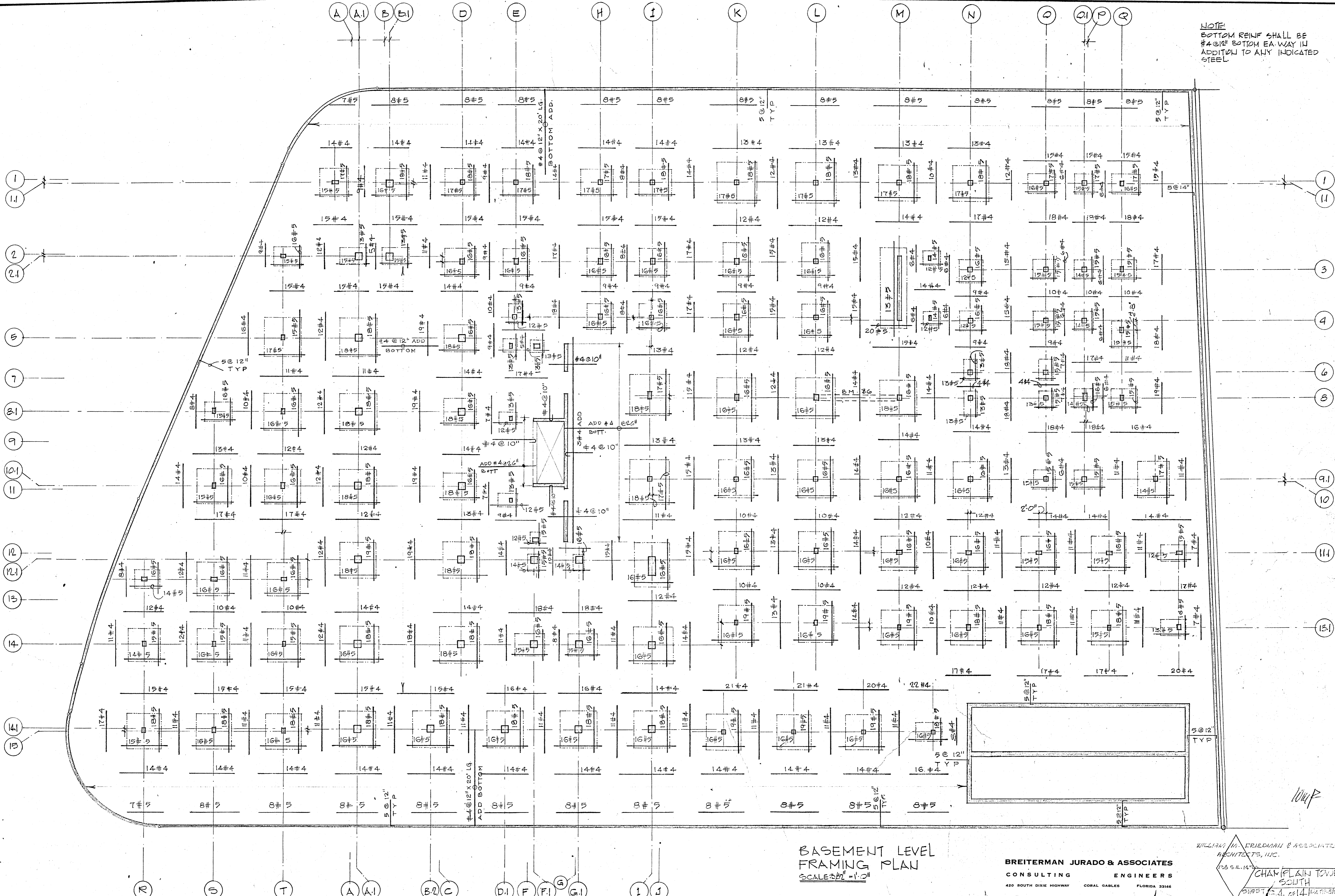


**BASEMENT LEVEL  
 FRAMING PLAN**  
 SCALE 3/8" = 1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 1755 S.E. 14th St.  
**CHAMPLAIN TOWERS  
 SOUTH**  
 SHEET 64 OF 14 DATE: 02/27/84

NOTE:  
 BOTTOM REINF SHALL BE  
 #4 @ 12" BOTTOM EA. WAY IN  
 ADDITION TO ANY INDICATED  
 STEEL.



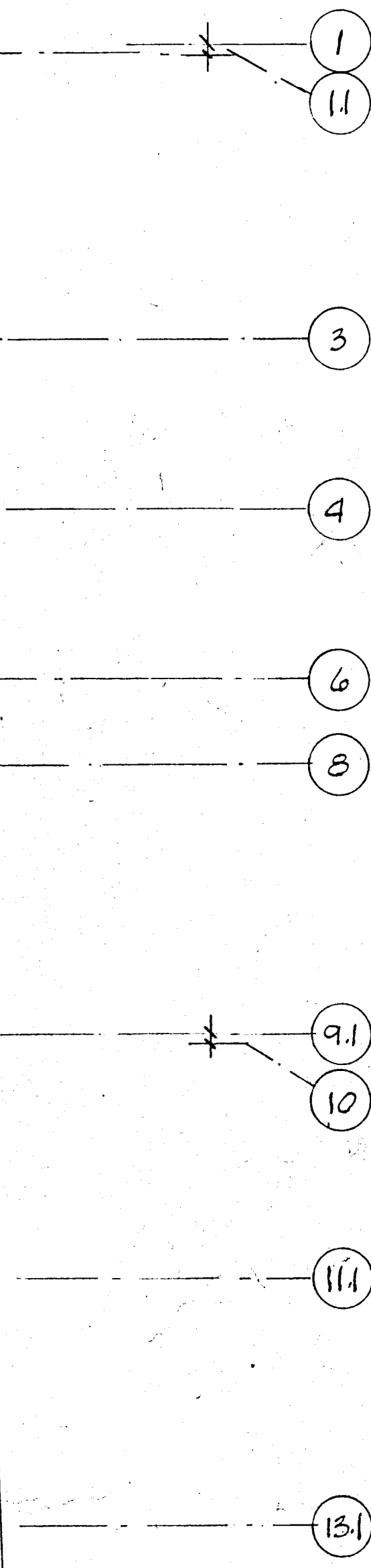
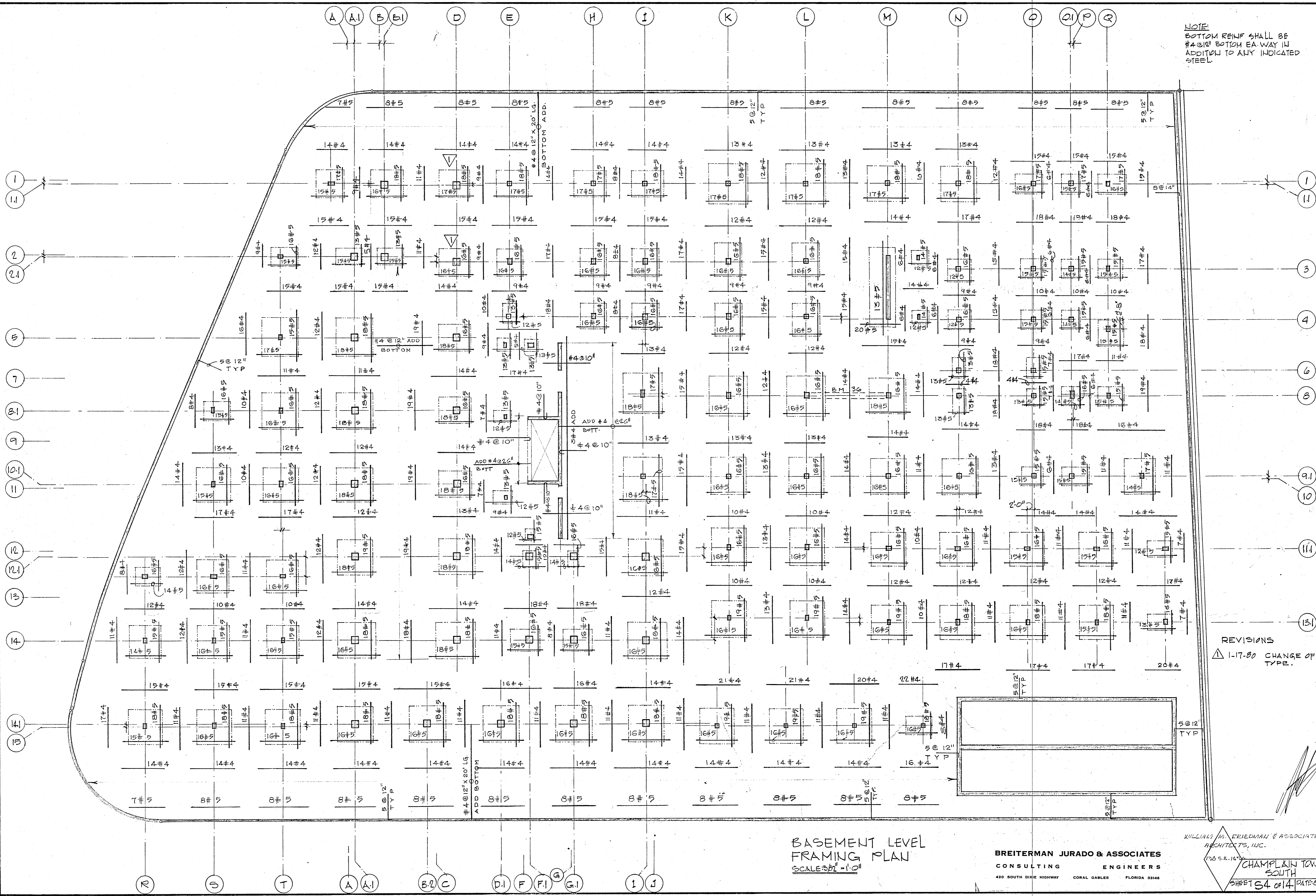
**BASEMENT LEVEL  
 FRAMING PLAN**  
 SCALE: 3/8" = 1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

WILLIAM H. FRIEDMAN & ASSOCIATED  
 ARCHITECTS, INC.  
 125 S.E. 14<sup>TH</sup>  
 CHARLAIN TOWERS  
 SOUTH  
 SHEET 14.014

WHP

NOTE  
 BOTTOM REINF SHALL BE  
 #4 @ 12" BOTTOM EA WAY IN  
 ADDITION TO ANY INDICATED  
 STEEL.

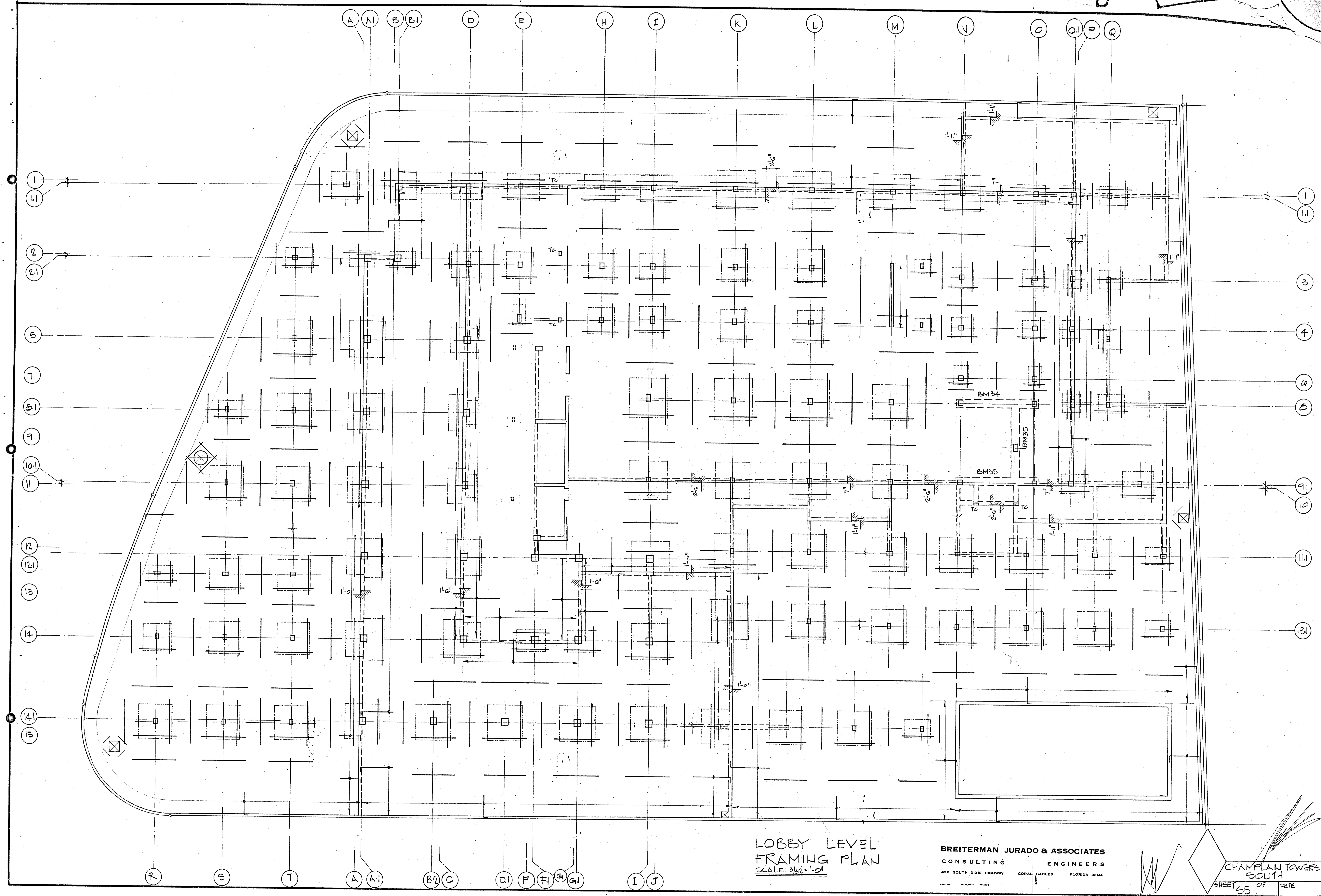


REVISIONS  
 Δ 1-17-80 CHANGE OF COL TYPE.

BASEMENT LEVEL  
 FRAMING PLAN  
 SCALE 3/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

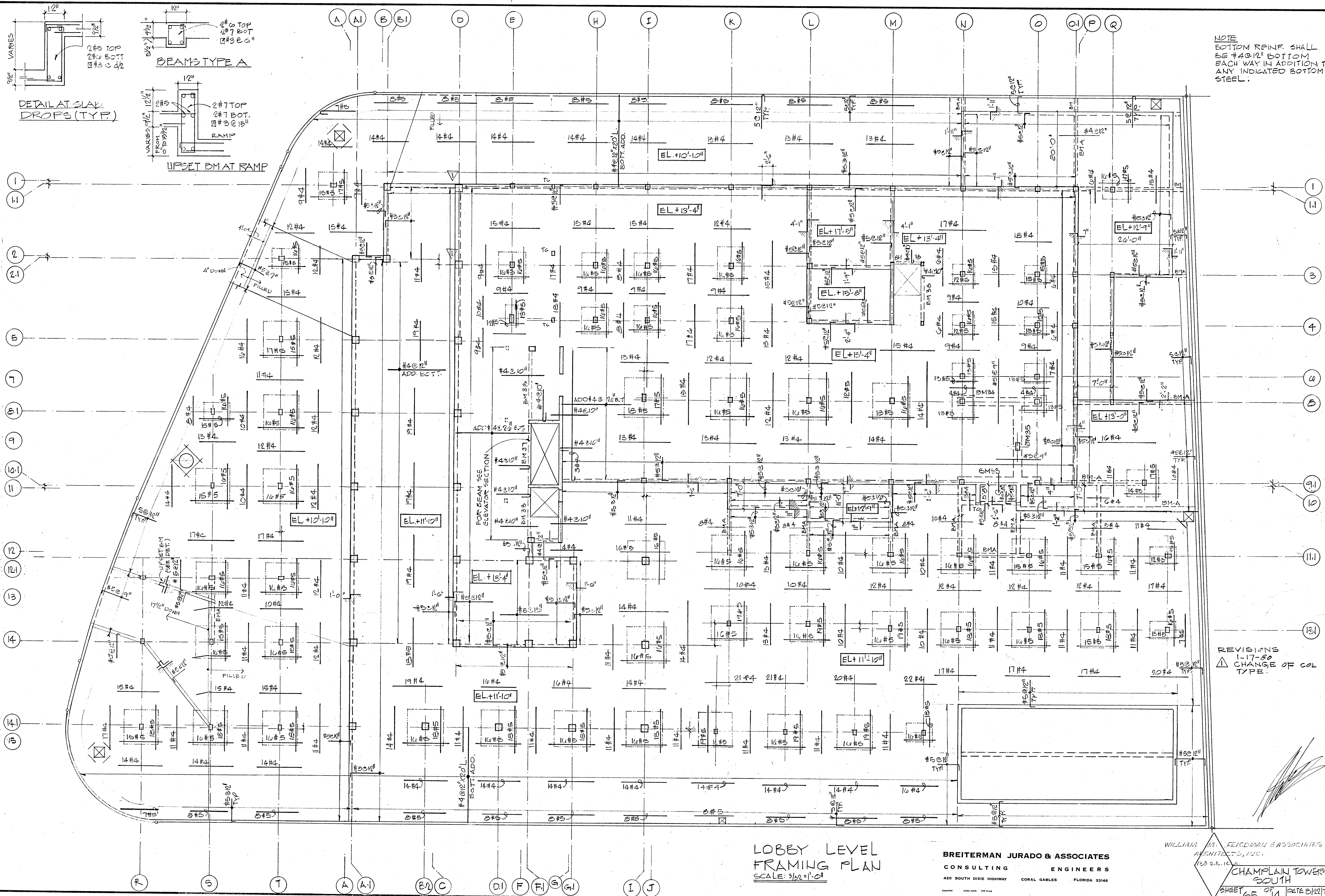
WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 1735 S.E. 14th  
 CHAMPLAIN TOWERS  
 SOUTH  
 SHEET 54 OF 14 DATE 01/27/80



LOBBY LEVEL  
FRAMING PLAN  
SCALE: 3/32" = 1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS  
SOUTH  
SHEET 55 OF 142



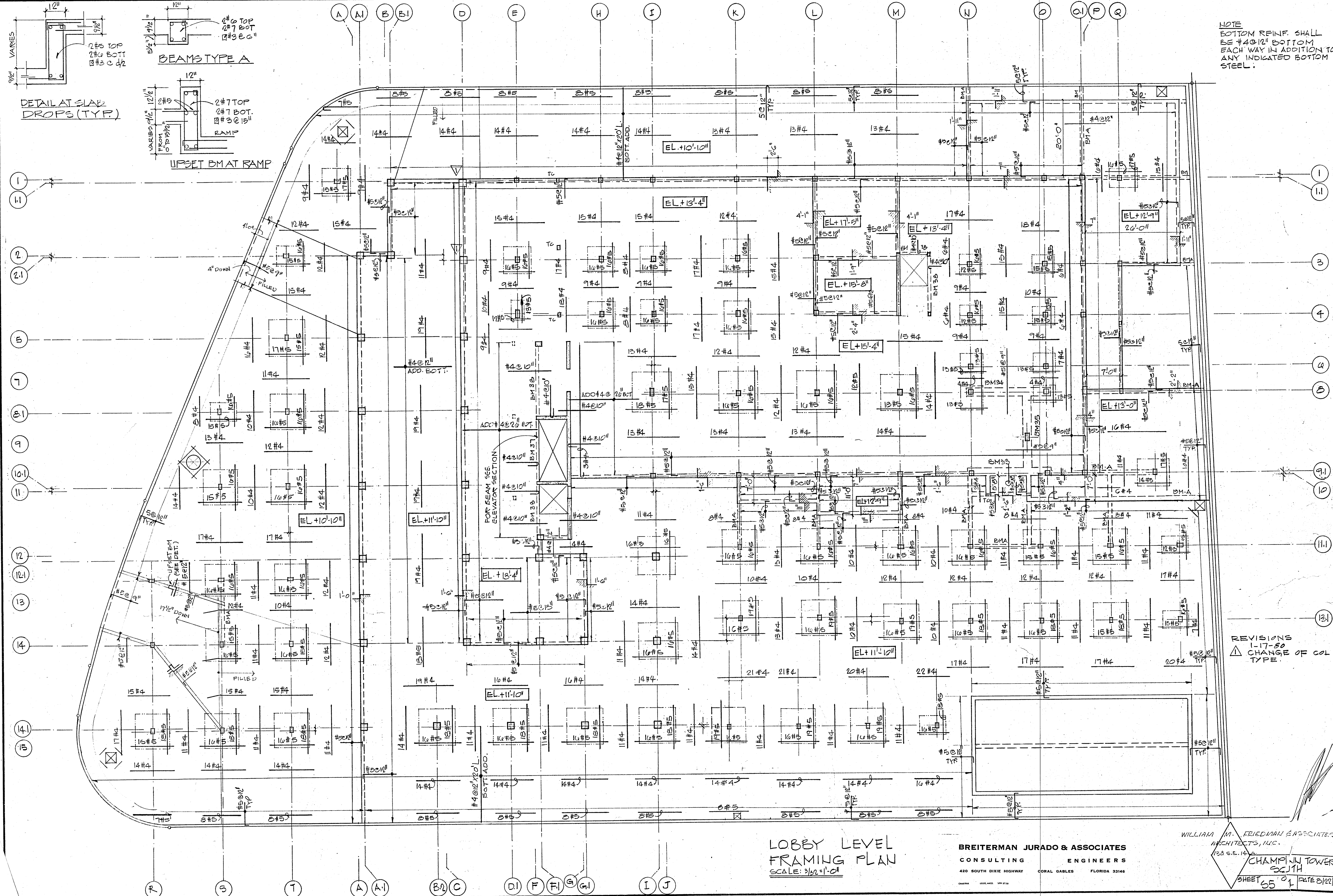
NOTE  
 BOTTOM REINF. SHALL  
 BE #4 @ 12" BOTTOM  
 EACH WAY IN ADDITION TO  
 ANY INDICATED BOTTOM  
 STEEL.

LOBBY LEVEL  
 FRAMING PLAN  
 SCALE: 3/32" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

WILLIAM M. FLEISHMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 123 S.E. 14th  
 CHAMPLAIN TOWERS  
 SOUTH  
 SHEET 55 OF 74 DATE 8/10/79

REVISIONS  
 1-17-80  
 CHANGE OF COL  
 TYPE.



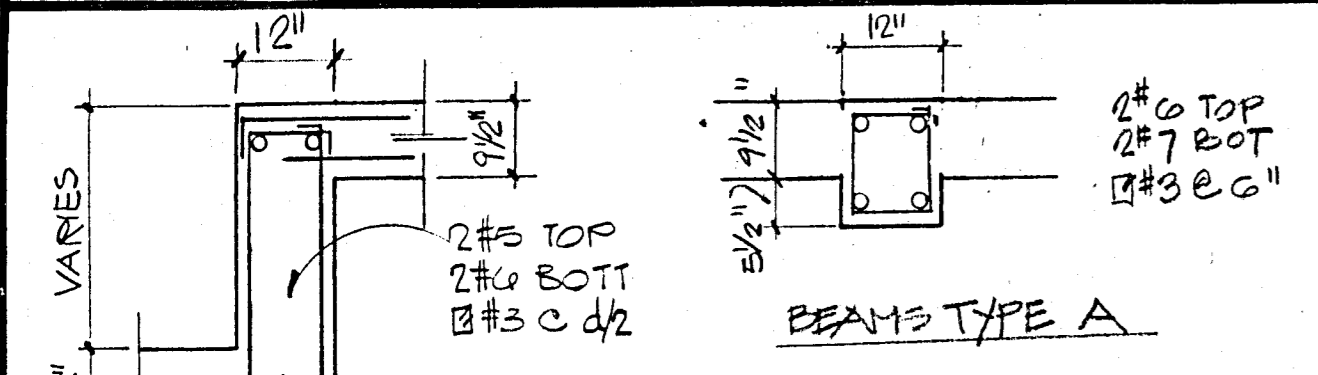
NOTE  
 BOTTOM REINF. SHALL  
 BE #4@12" BOTTOM  
 EACH WAY IN ADDITION TO  
 ANY INDICATED BOTTOM  
 STEEL.

REVISIONS  
 1-17-80  
 CHANGE OF COL  
 TYPE.

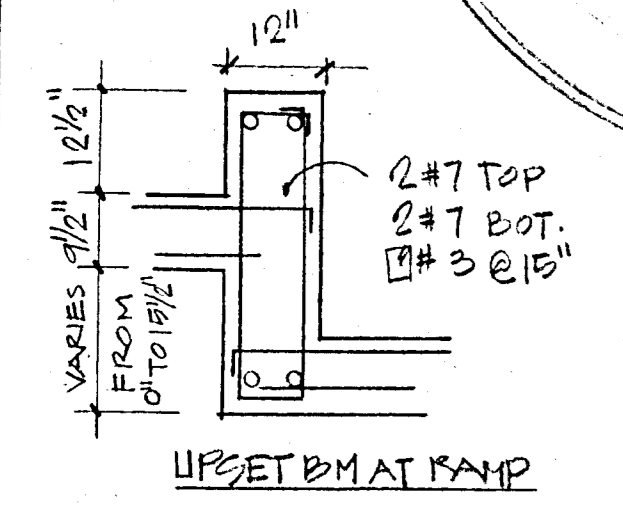
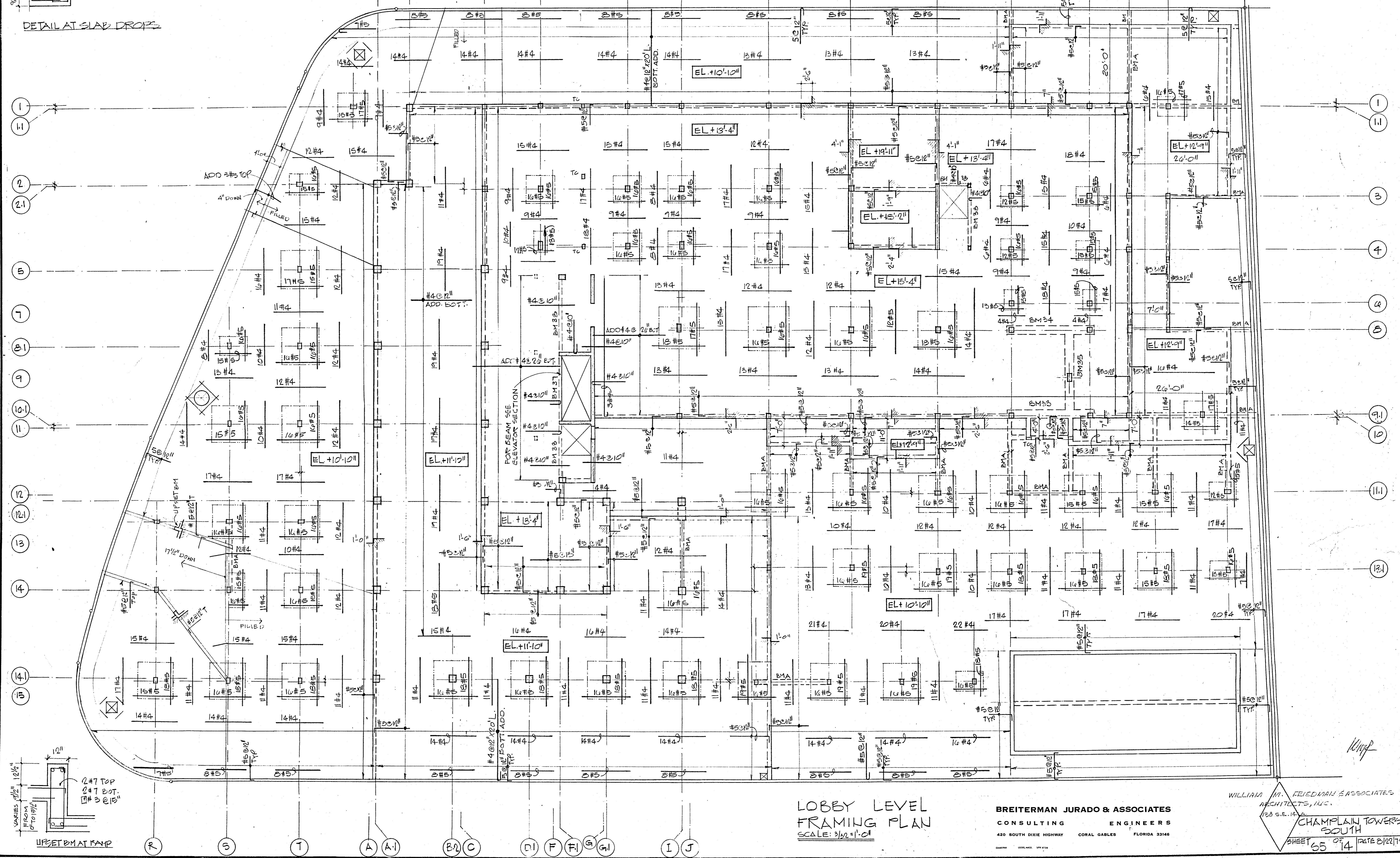
LOBBY LEVEL  
 FRAMING PLAN  
 SCALE: 3/32"=1'-0"

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 128 S.E. 14th  
 CHAMPAIN TOWERS  
 SOUTH  
 SHEET 65 OF 1 DATE 8/22/79



NOTE  
BOTTOM REINF. SHALL  
BE #4@12" BOTTOM  
EACH WAY IN ADDITION TO  
ANY INDICATED BOTTOM  
STEEL.

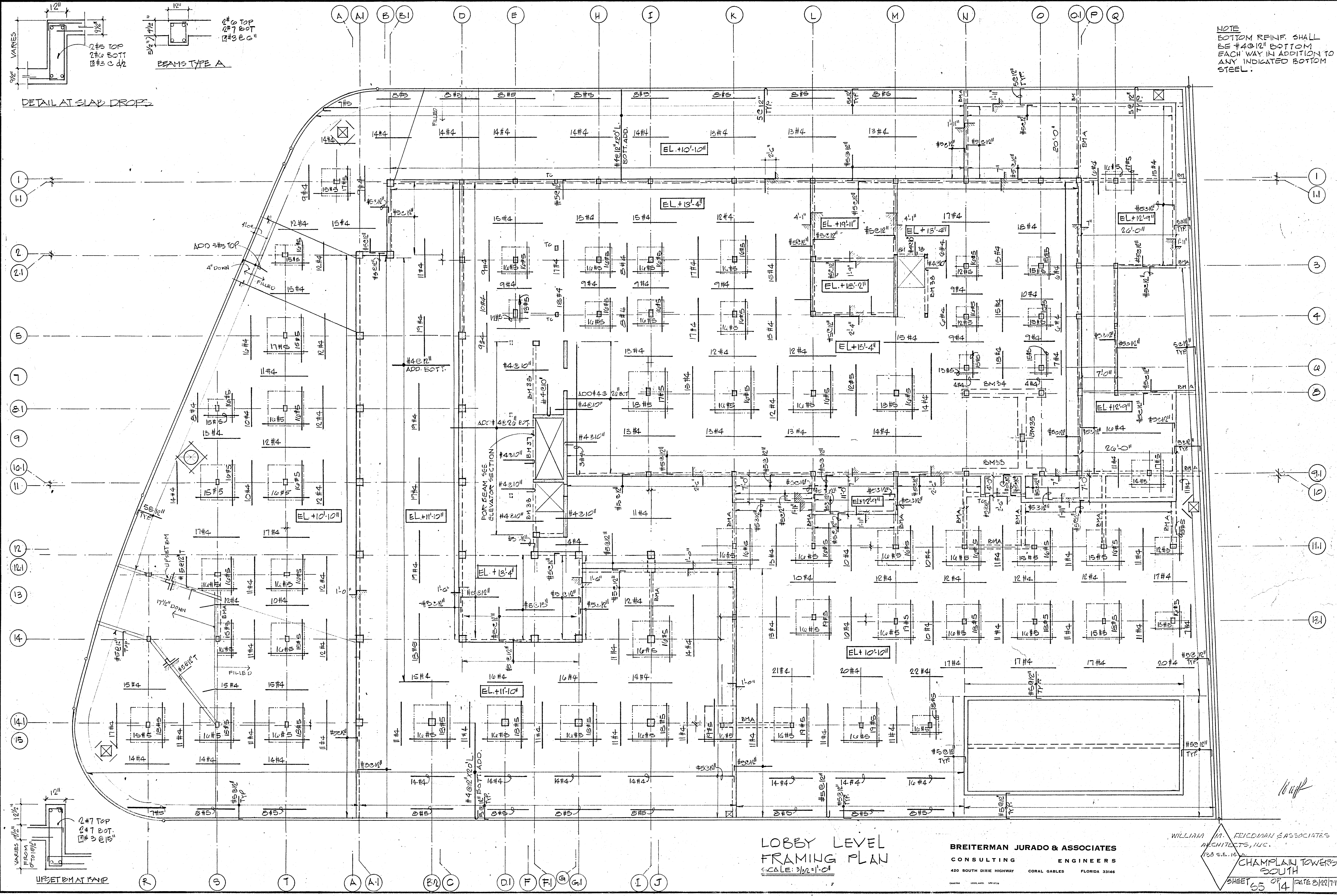


LOBBY LEVEL  
FRAMING PLAN  
SCALE: 3/32"=1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

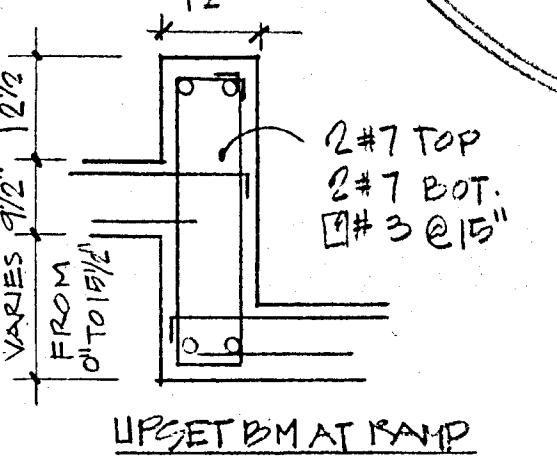
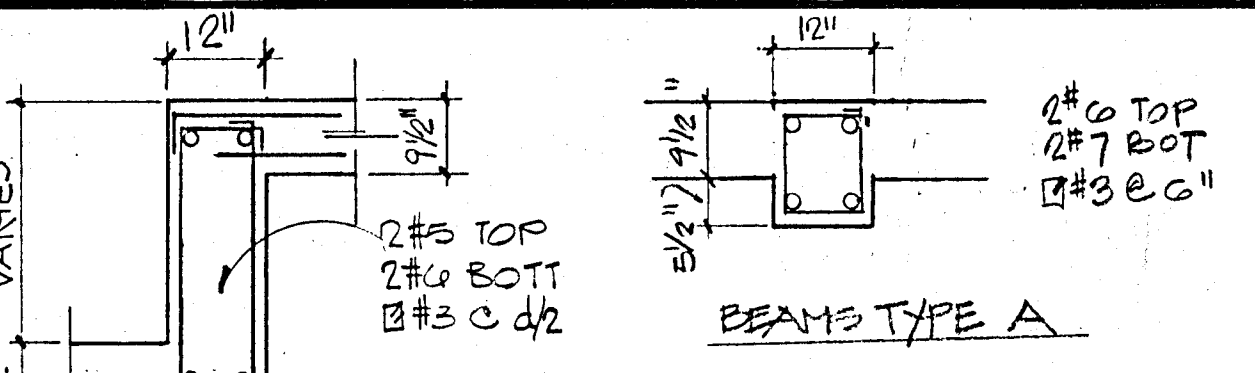
WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.  
123 S.E. 11<sup>TH</sup> AVE.  
**CHAMPLAIN TOWERS SOUTH**  
SHEET 55 OF 14 DATE 8/12/11





NOTE  
 BOTTOM REINF. SHALL  
 BE #4@12" EACH  
 WAY IN ADDITION TO  
 ANY INDICATED BOTTOM  
 STEEL.

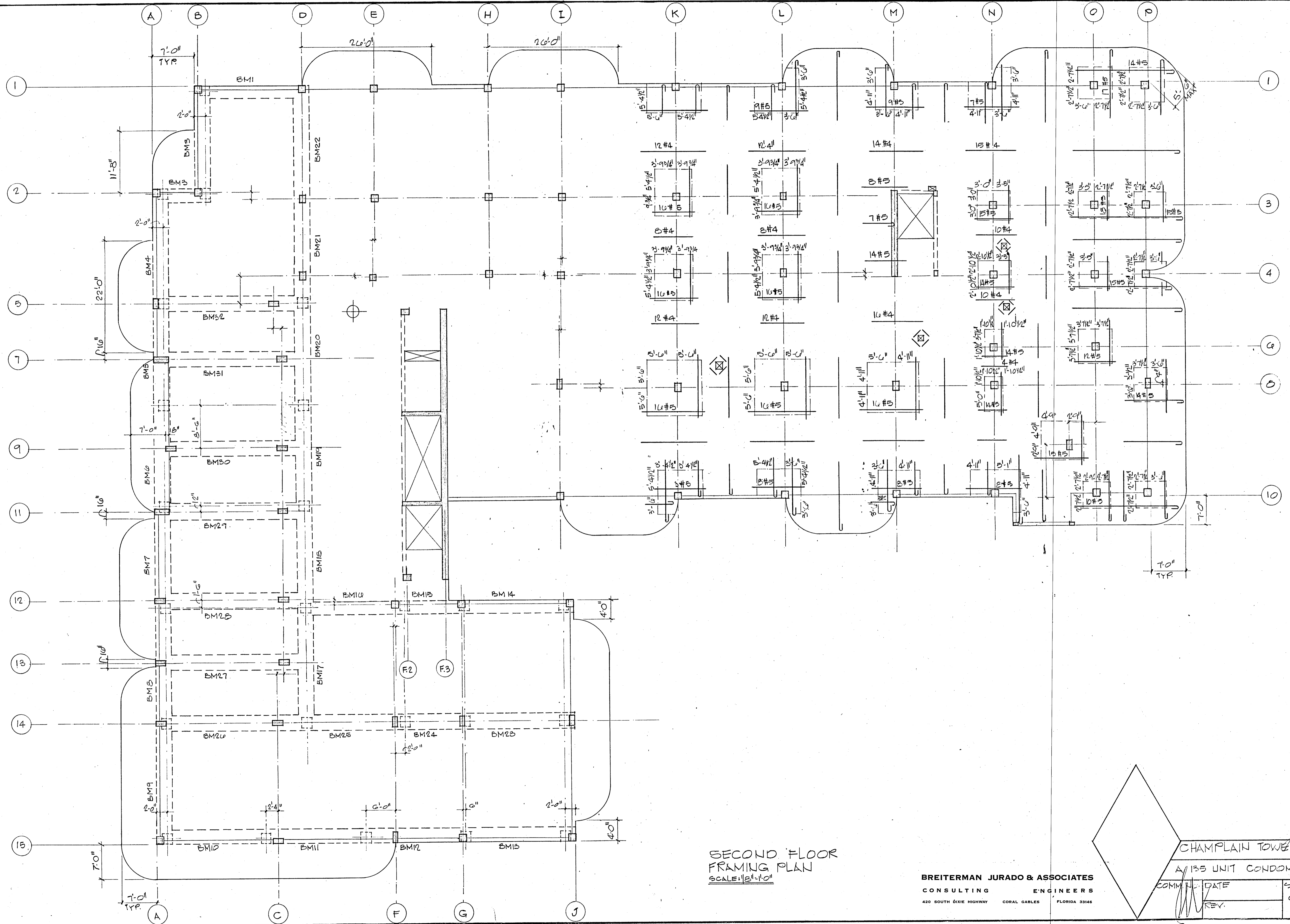
DETAIL AT SLAB DROPS



LOBBY LEVEL  
 FRAMING PLAN  
 SCALE: 3/32"=1'-0"

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

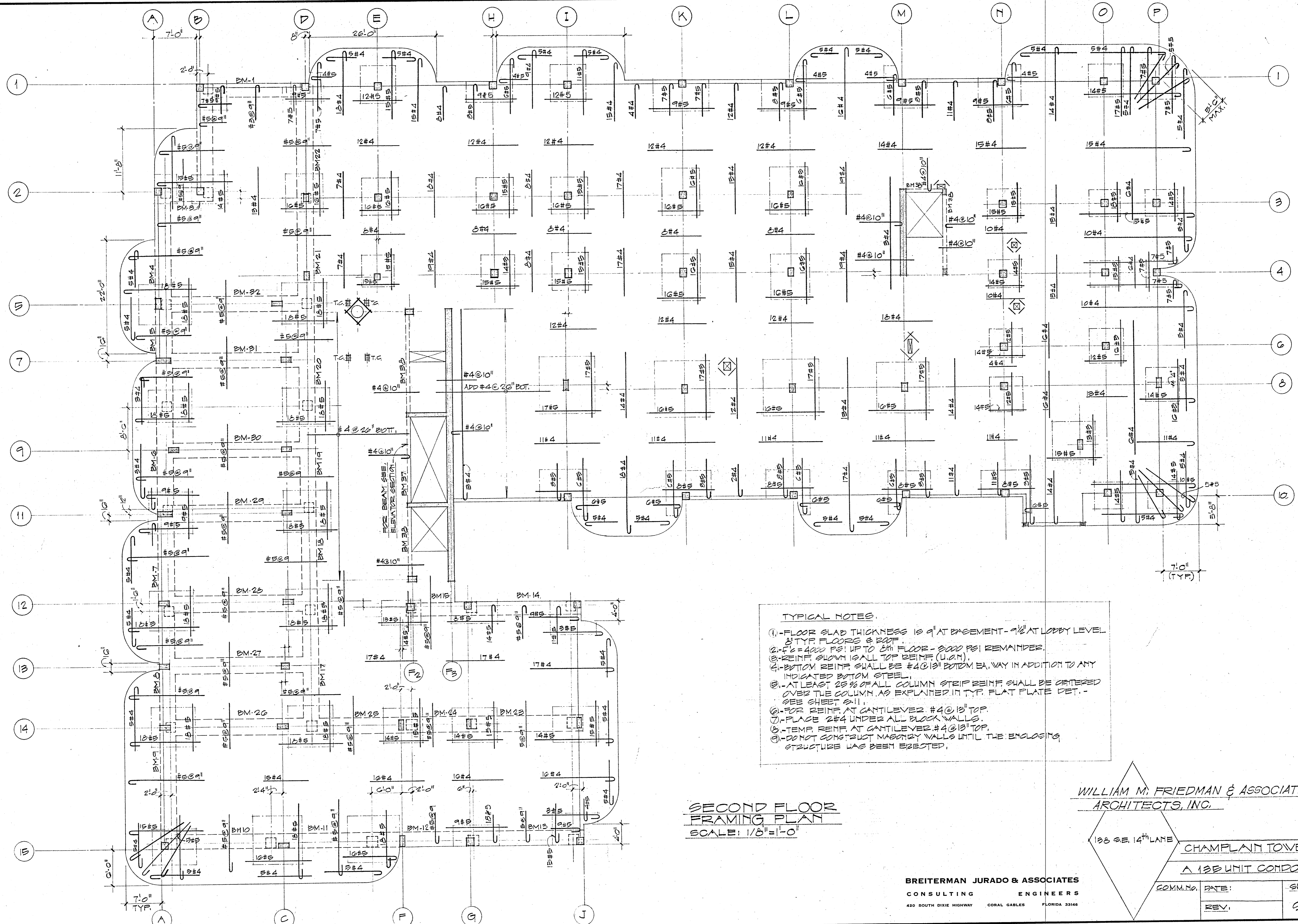
WILLIAM M. FELDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 128 S.E. 11th St.  
 CHAMPLAIN TOWERS  
 SOUTH  
 SHEET 55 OF 14 DATE 8/10/14



SECOND FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH	
A 135 UNIT CONDOMINIUM	
COMM. DATE	SHEET NO.
REV.	56 OF



**TYPICAL NOTES.**

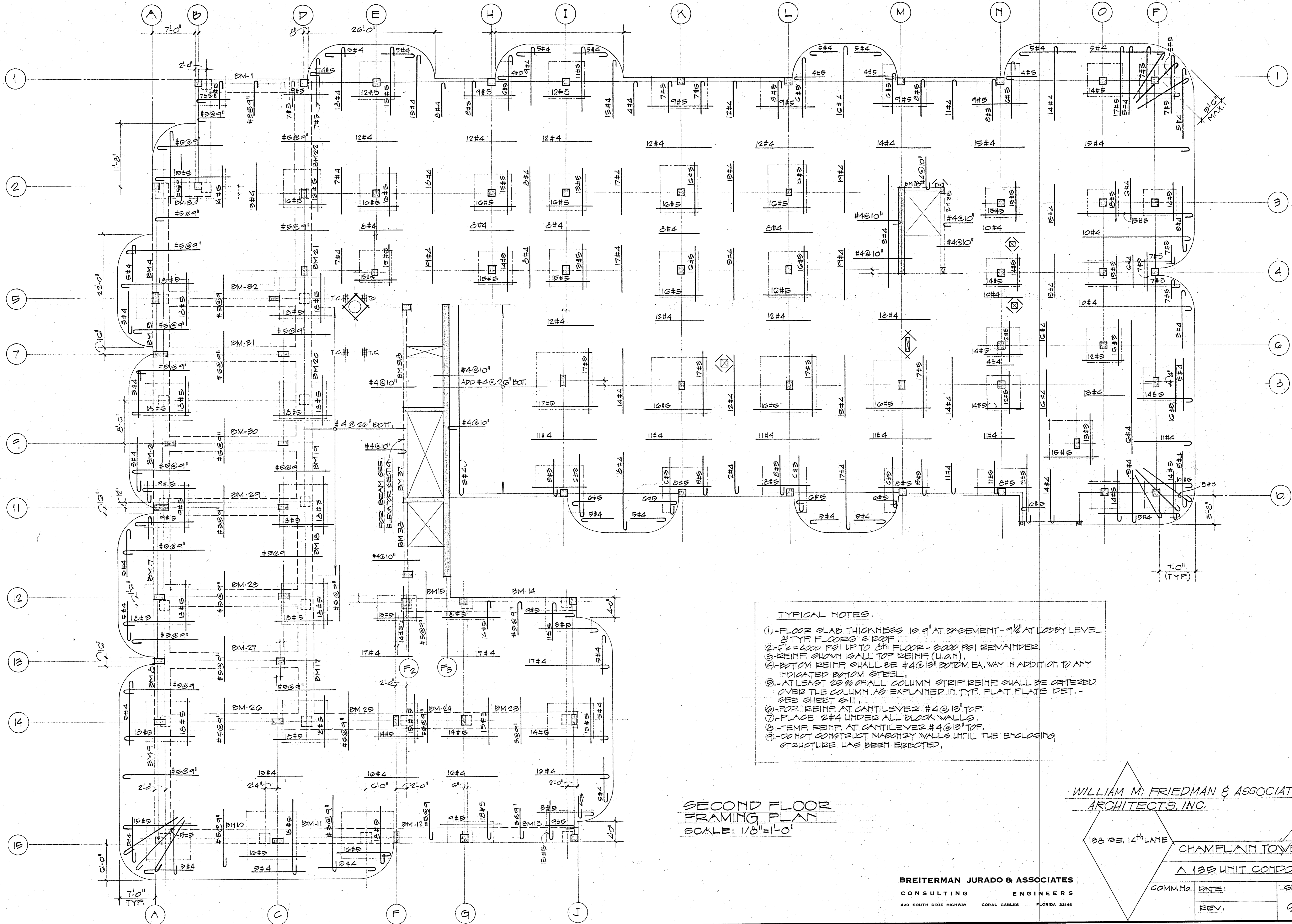
1. FLOOR SLAB THICKNESS IS 9" AT BASEMENT - 9 1/2" AT LOBBY LEVEL & TYP. FLOORS & ROOF.
2. F<sub>1</sub> = 4000 PSF UP TO 6TH FLOOR - 3000 PSF REMAINDER.
3. REINF. SHOWN IS ALL TOP REINF. (U.O.M.).
4. BOTTOM REINF. SHALL BE #4@13" BOTTOM EA. WAY IN ADDITION TO ANY INDICATED BOTTOM STEEL.
5. AT LEAST 25% OF ALL COLUMN STRIP REINF. SHALL BE ORDERED OVER THE COLUMN AS EXPLAINED IN TYP. FLAT PLATE DET. - SEE SHEET S-11.
6. FOR REINF. AT CANTILEVER #4@13" TOP.
7. PLACE 2#4 UNDER ALL BLOCK WALLS.
8. TEMP. REINF. AT CANTILEVER #4@13" TOP.
9. DO NOT CONSTRUCT MASONRY WALLS UNTIL THE ENCLOSING STRUCTURE HAS BEEN ERRECTED.

**SECOND FLOOR  
FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES.  
ARCHITECTS, INC.

138 SE. 14 <sup>TH</sup> LANE		CHAMPLAIN TOWERS SOUTH
		A 138 UNIT CONDOMINIUM
COMM. NO.	DATE:	SHEET
REV.		50 OF 14

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146



**TYPICAL NOTES.**

1. FLOOR SLAB THICKNESS IS 9" AT BASEMENT - 9 1/2" AT LOBBY LEVEL & TYP. FLOORS & ROOF.
2.  $f_c = 4000$  PSI UP TO 5TH FLOOR - 5000 PSI REMAINDER.
3. REINF. SHOWN IS ALL TOP REINF. (U.O.M.).
4. BOTTOM REINF. SHALL BE #4 @ 18" BOTTOM EA. WAY IN ADDITION TO ANY INDICATED BOTTOM STEEL.
5. AT LEAST 25% OF ALL COLUMN STRIP REINF. SHALL BE CATERED OVER THE COLUMN AS EXPLAINED IN TYP. PLATE DET. - SEE SHEET S.11.
6. FOR REINF. AT CANTILEVER #4 @ 18" TOP.
7. PLACE 2#4 UNDER ALL BLOCK WALLS.
8. TEMP. REINF. AT CANTILEVER #4 @ 18" TOP.
9. DO NOT CONSTRUCT MASONRY WALLS UNTIL THE ENCLOSING STRUCTURE HAS BEEN ERECTED.

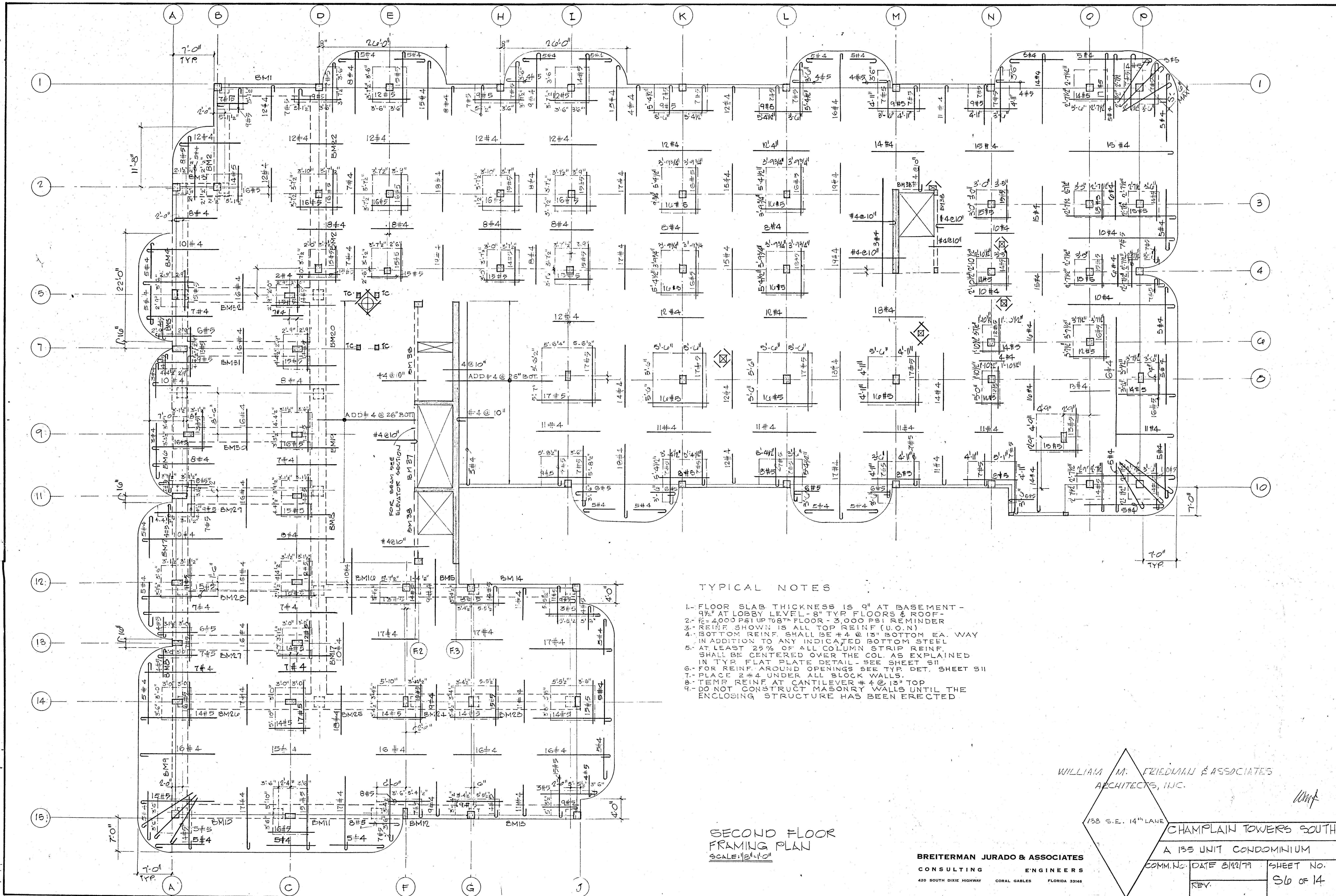
**SECOND FLOOR  
FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES,  
ARCHITECTS, INC.

188 SE. 14<sup>TH</sup> LANE

CHAMPLAIN TOWERS SOUTH  
A 138 UNIT CONDOMINIUM

BREITERMAN JURADO & ASSOCIATES CONSULTING ENGINEERS 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146	COMM. NO. DATE:	SHEET
	REV:	50 OF 14



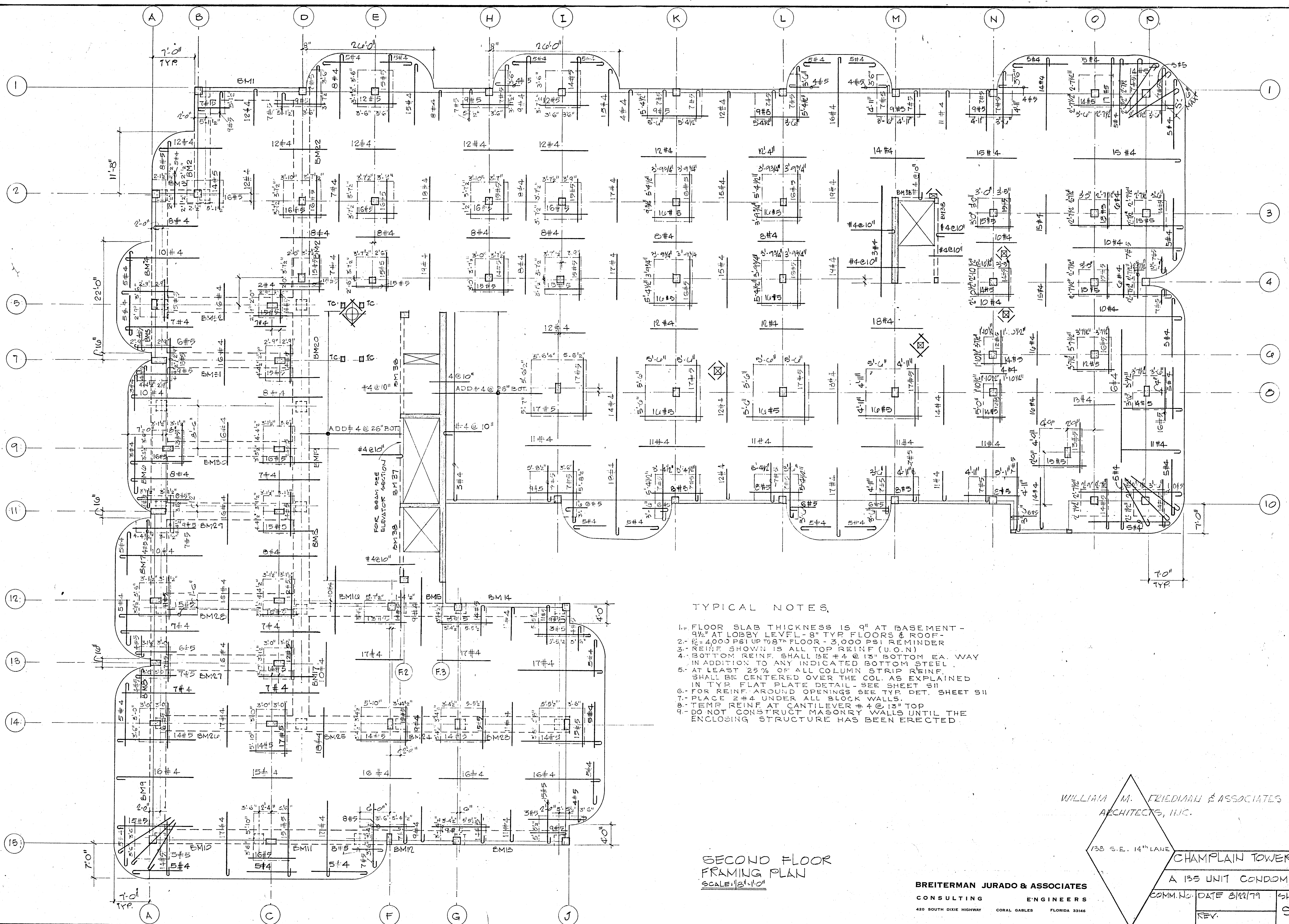
- TYPICAL NOTES
1. FLOOR SLAB THICKNESS IS 9" AT BASEMENT - 4 1/2" AT LOBBY LEVEL - 8" TYP FLOORS & ROOF -
  2.  $f_c = 4000$  PSI UP TO 8<sup>TH</sup> FLOOR - 3,000 PSI REMINDER
  3. REIN. SHOWN IS ALL TOP REIN. (U.O.N)
  4. BOTTOM REIN. SHALL BE #4 @ 13" BOTTOM EA. WAY IN ADDITION TO ANY INDICATED BOTTOM STEEL
  5. AT LEAST 25% OF ALL COLUMN STRIP REIN. SHALL BE CENTERED OVER THE COL. AS EXPLAINED IN TYP. FLAT PLATE DETAIL - SEE SHEET S11
  6. FOR REIN. AROUND OPENINGS SEE TYP. DET. SHEET S11
  7. PLACE 2 #4 UNDER ALL BLOCK WALLS.
  8. TEMP. REIN. AT CANTILEVER #4 @ 18" TOP
  9. DO NOT CONSTRUCT MASONRY WALLS UNTIL THE ENCLOSING STRUCTURE HAS BEEN ERRECTED

SECOND FLOOR FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

138 S.E. 14 <sup>TH</sup> LANE		CHAMPLAIN TOWERS SOUTH	
		A 135 UNIT CONDOMINIUM	
COMM. NO.	DATE 8/22/79	SHEET NO.	
REV.		56 OF 14	



TYPICAL NOTES

1. FLOOR SLAB THICKNESS IS 9" AT BASEMENT - 9 1/2" AT LOBBY LEVEL - 8" TYP FLOORS & ROOF - 2. F = 4000 PSI UP TO 8TH FLOOR - 3000 PSI REMINDER
3. REIN. SHOWN IS ALL TOP REIN. (U.O.N)
4. BOTTOM REIN. SHALL BE #4 @ 13" BOTTOM EA. WAY IN ADDITION TO ANY INDICATED BOTTOM STEEL
5. AT LEAST 25% OF ALL COLUMN STRIP REIN. SHALL BE CENTERED OVER THE COL. AS EXPLAINED IN TYP. FLAT PLATE DETAIL. SEE SHEET S11
6. FOR REIN. AROUND OPENINGS SEE TYP. DET. SHEET S11
7. PLACE #4 UNDER ALL BLOCK WALLS.
8. TEMP. REIN. AT CANTILEVER #4 @ 13" TOP
9. DO NOT CONSTRUCT MASONRY WALLS UNTIL THE ENCLOSING STRUCTURE HAS BEEN ERRECTED.

SECOND FLOOR FRAMING PLAN  
SCALE: 1/8" = 1'-0"

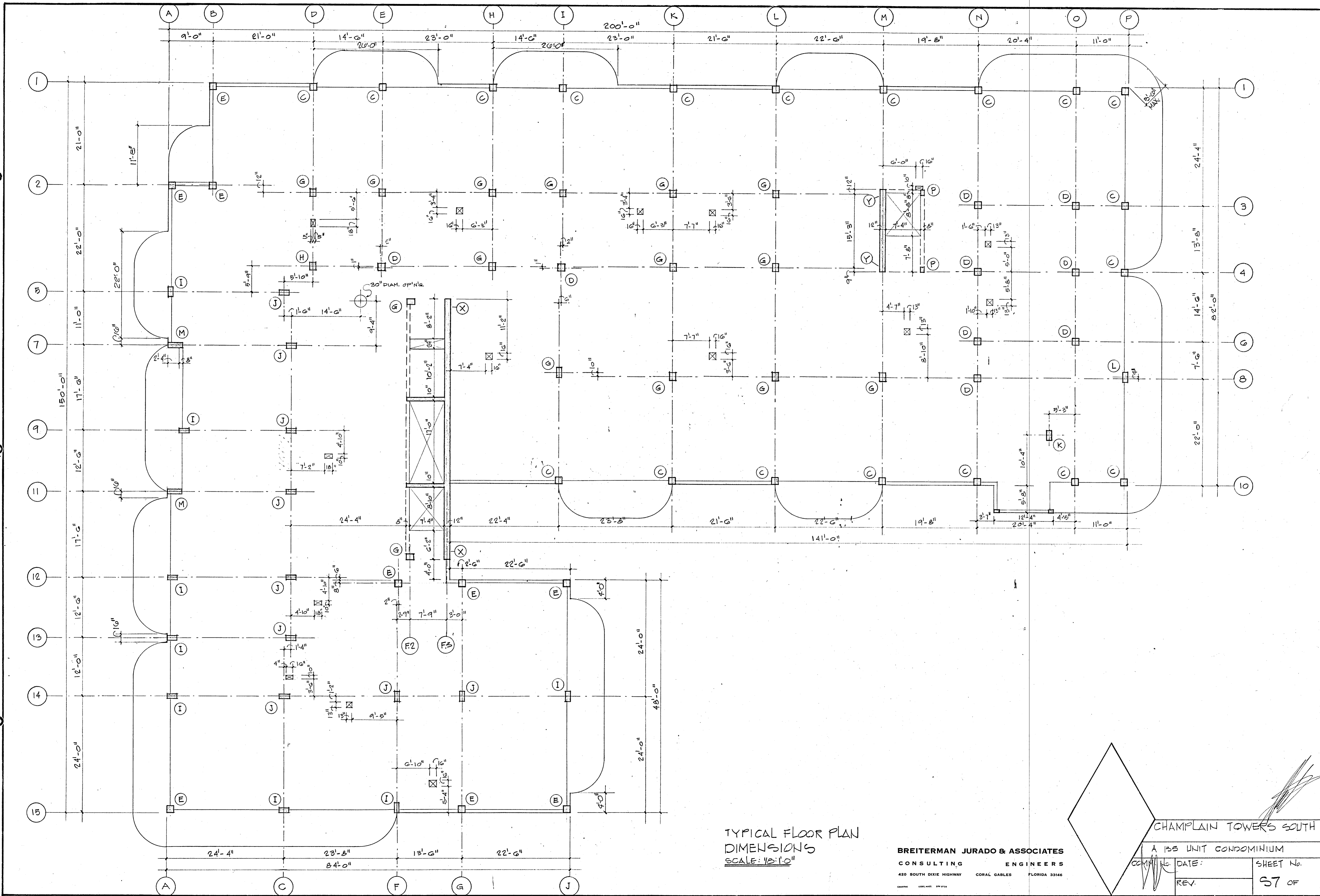
WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

138 S.E. 14th LANE

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM

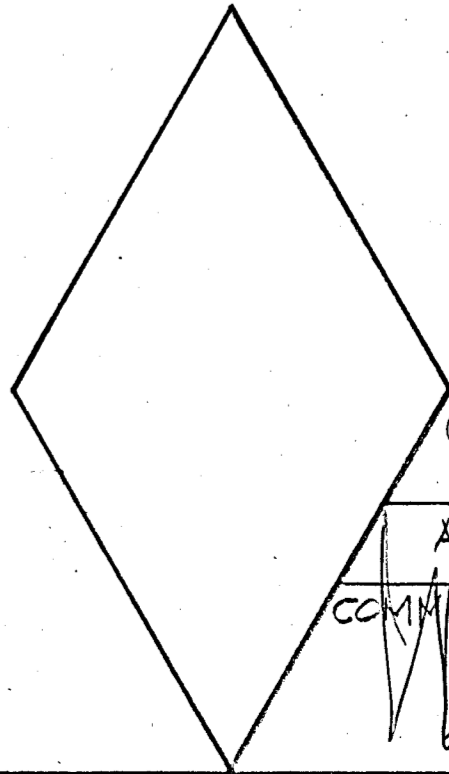
BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

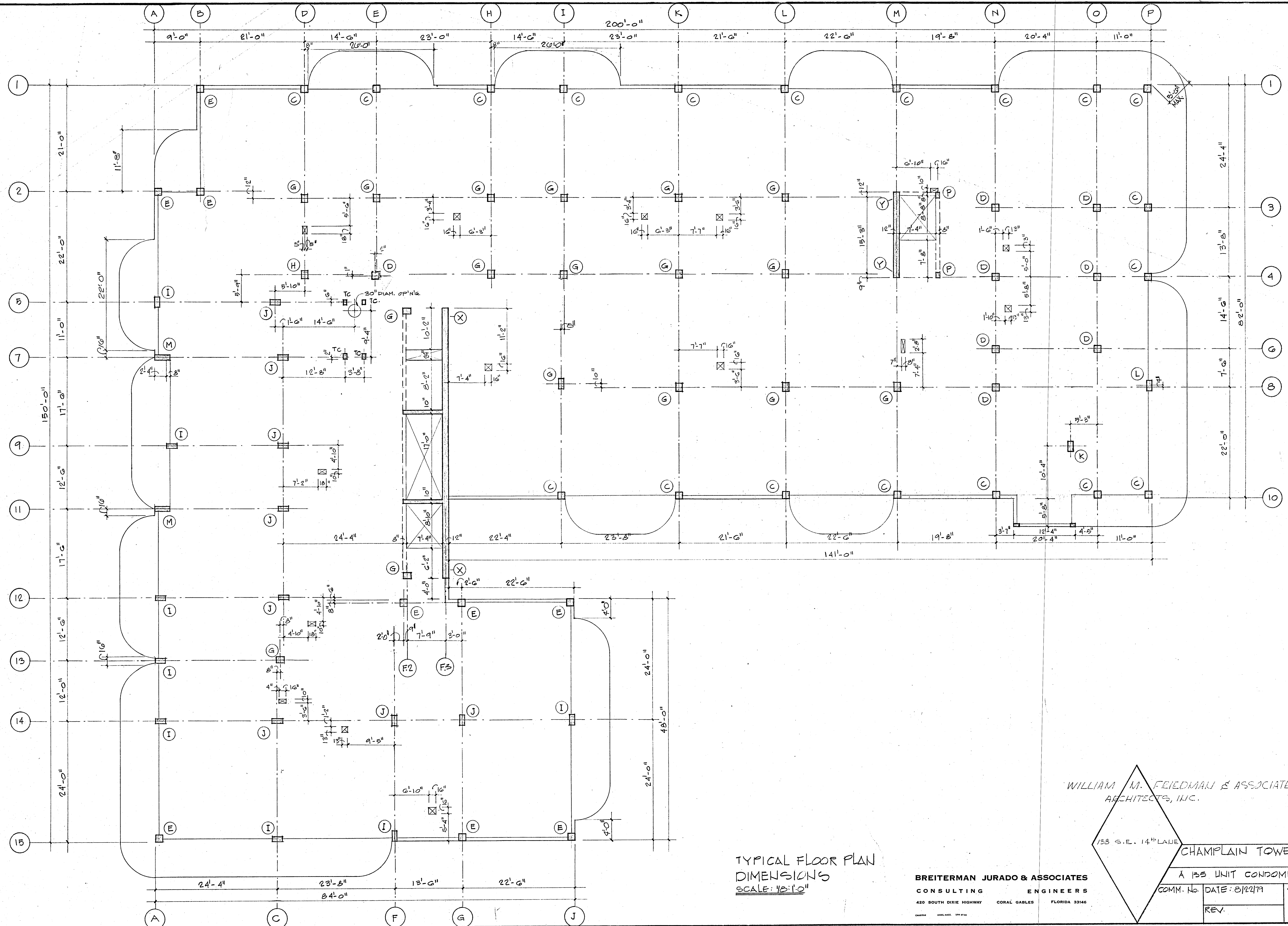
COMM. NO.	DATE 8/22/79	SHEET NO.
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TYPICAL FLOOR PLAN  
DIMENSIONS  
SCALE: 1/8"=1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

			CHAMPLAIN TOWERS SOUTH	
			A 133 UNIT CONDOMINIUM	
COMM. NO.	DATE:	SHEET No.		
REV.		57 OF		



TYPICAL FLOOR PLAN  
DIMENSIONS  
SCALE: 1/8"=1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

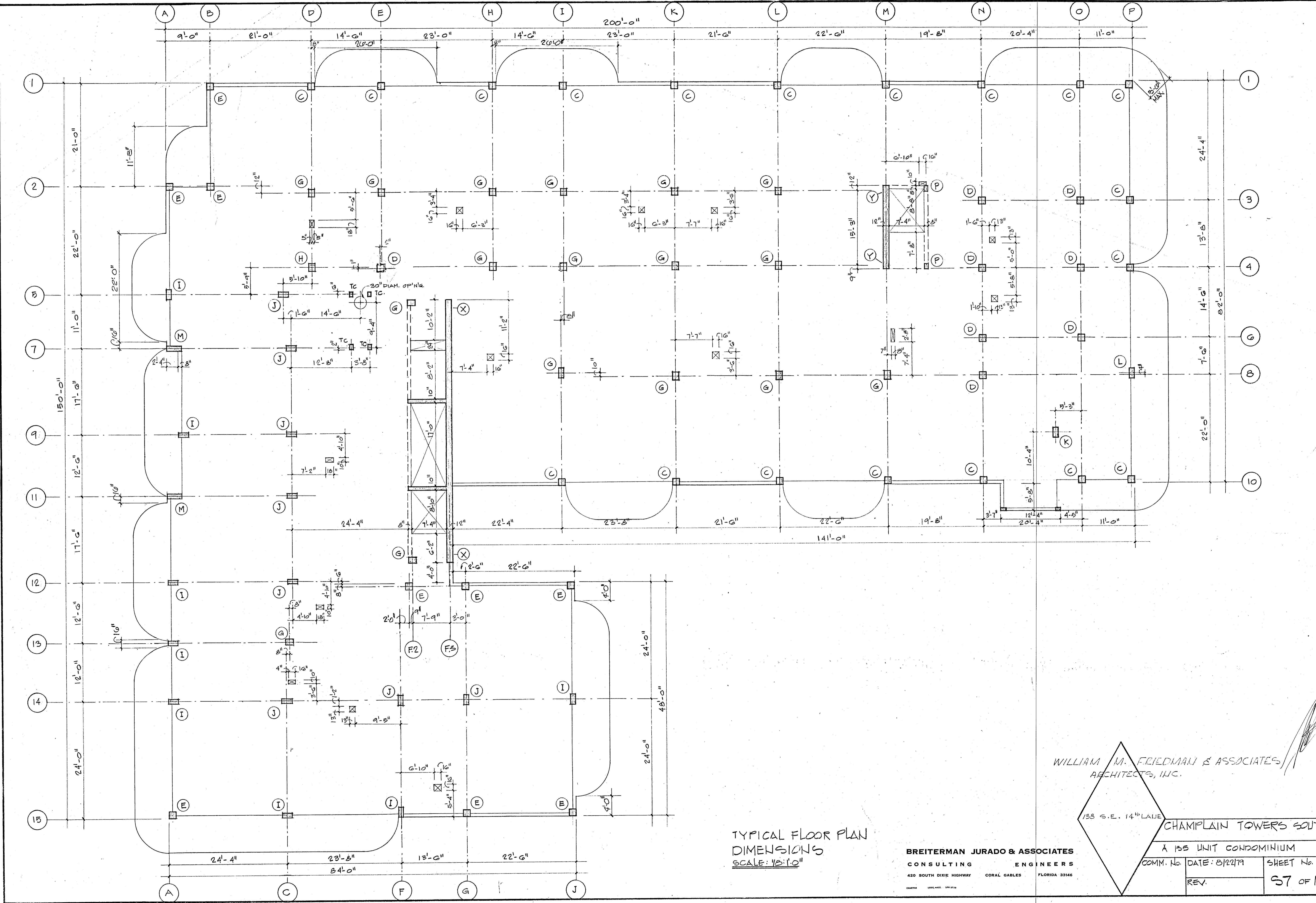
WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

133 S.E. 14<sup>TH</sup> LAKE

**CHAMPLAIN TOWERS SOUTH**  
A 135 UNIT CONDOMINIUM

COMM. No.	DATE: 8/22/79	SHEET No.
REV.		57 OF 14





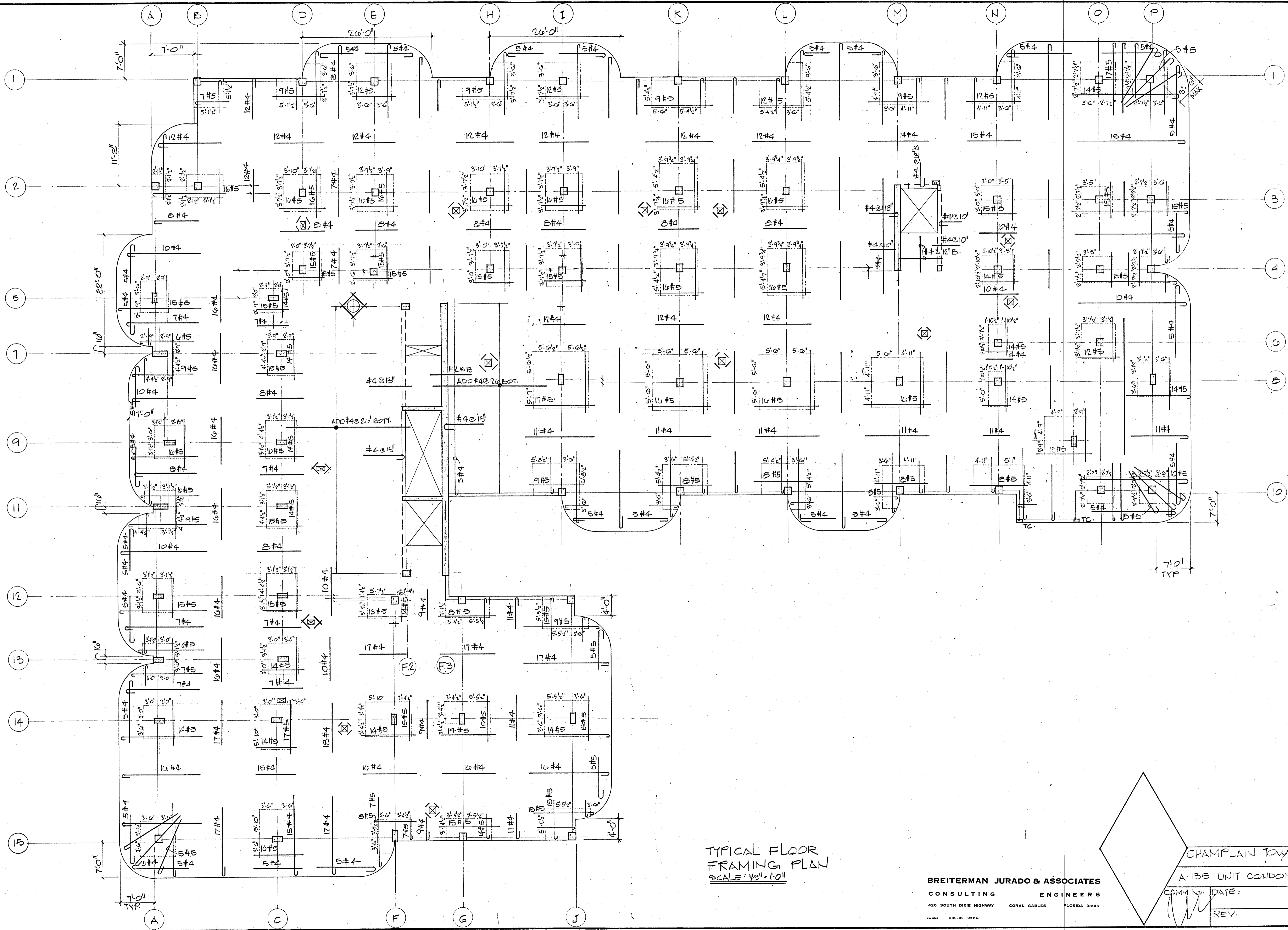
TYPICAL FLOOR PLAN  
 DIMENSIONS  
 SCALE: 1/8"=1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.

133 S.E. 14<sup>TH</sup> LAJE  
 CHAMPLAIN TOWERS SOUTH

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

A 133 UNIT CONDOMINIUM	
COMM. No.	DATE: 8/22/79
REV.	SHEET No. 57 OF 14



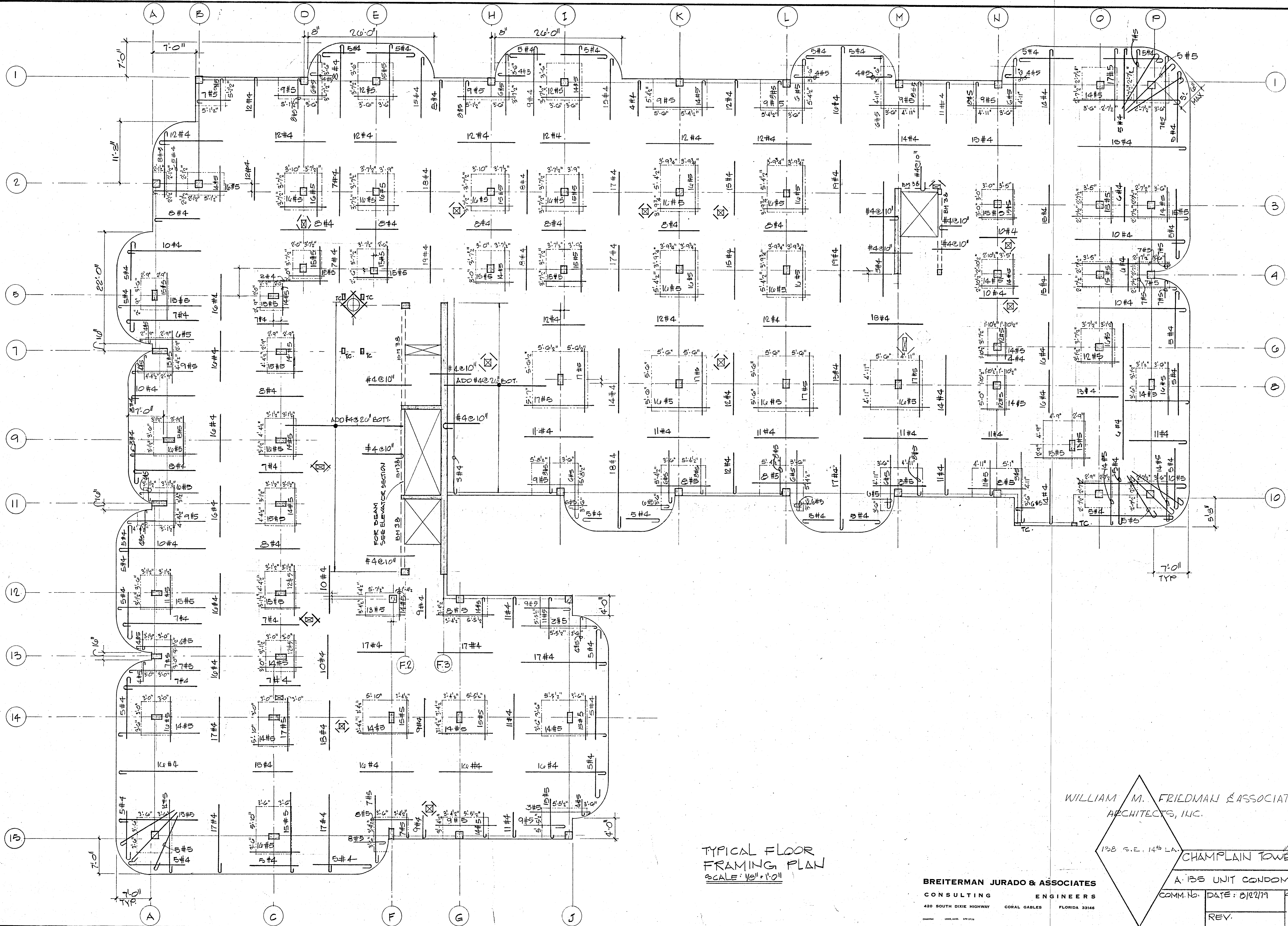
TYPICAL FLOOR FRAMING PLAN  
SCALE: 1/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH

A-135 UNIT CONDOMINIUM

COMM. NO.	DATE:	SHEET NO.
		58 OF
REV.		



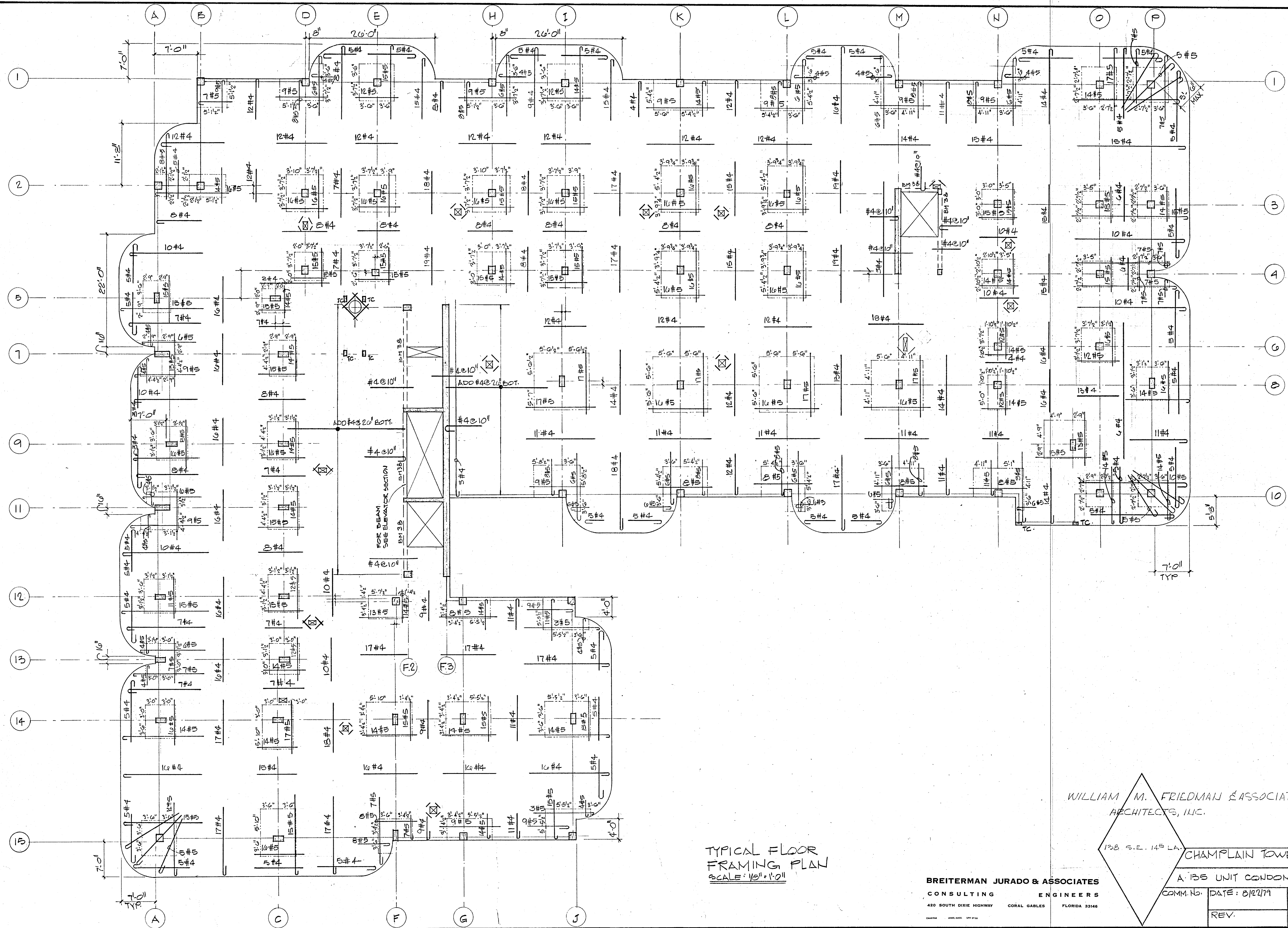
TYPICAL FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

138 S.E. 14th LA. CHAMPLAIN TOWERS SOUTH

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

A 135 UNIT CONDOMINIUM	
COMM. NO.	DATE: 8/22/79
REV.	SHEET NO. 58 OF 14



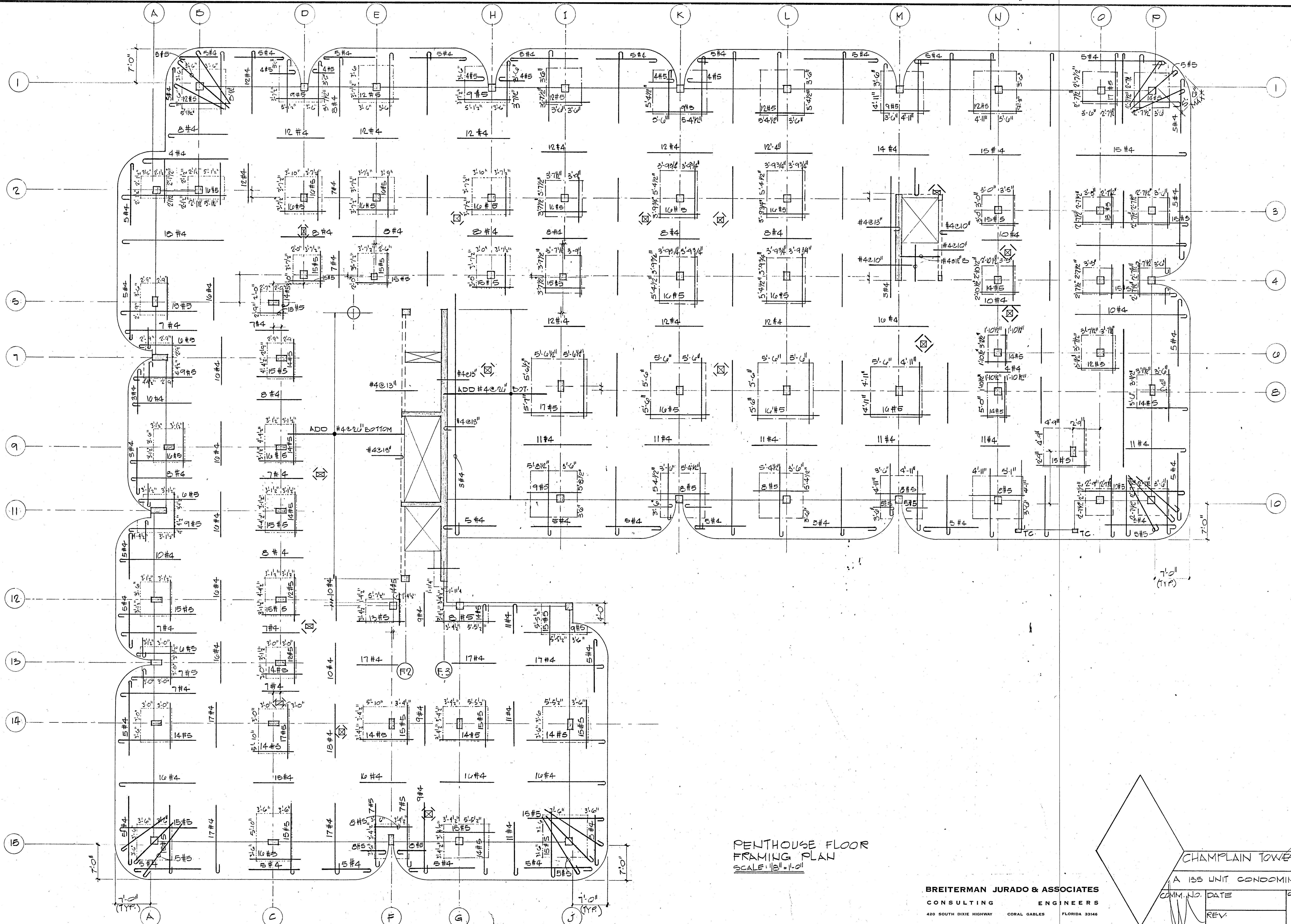
TYPICAL FLOOR FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

138 S.E. 14th LA. CHAMPLAIN TOWERS SOUTH

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

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REV.	SHEET No. 38 of 14



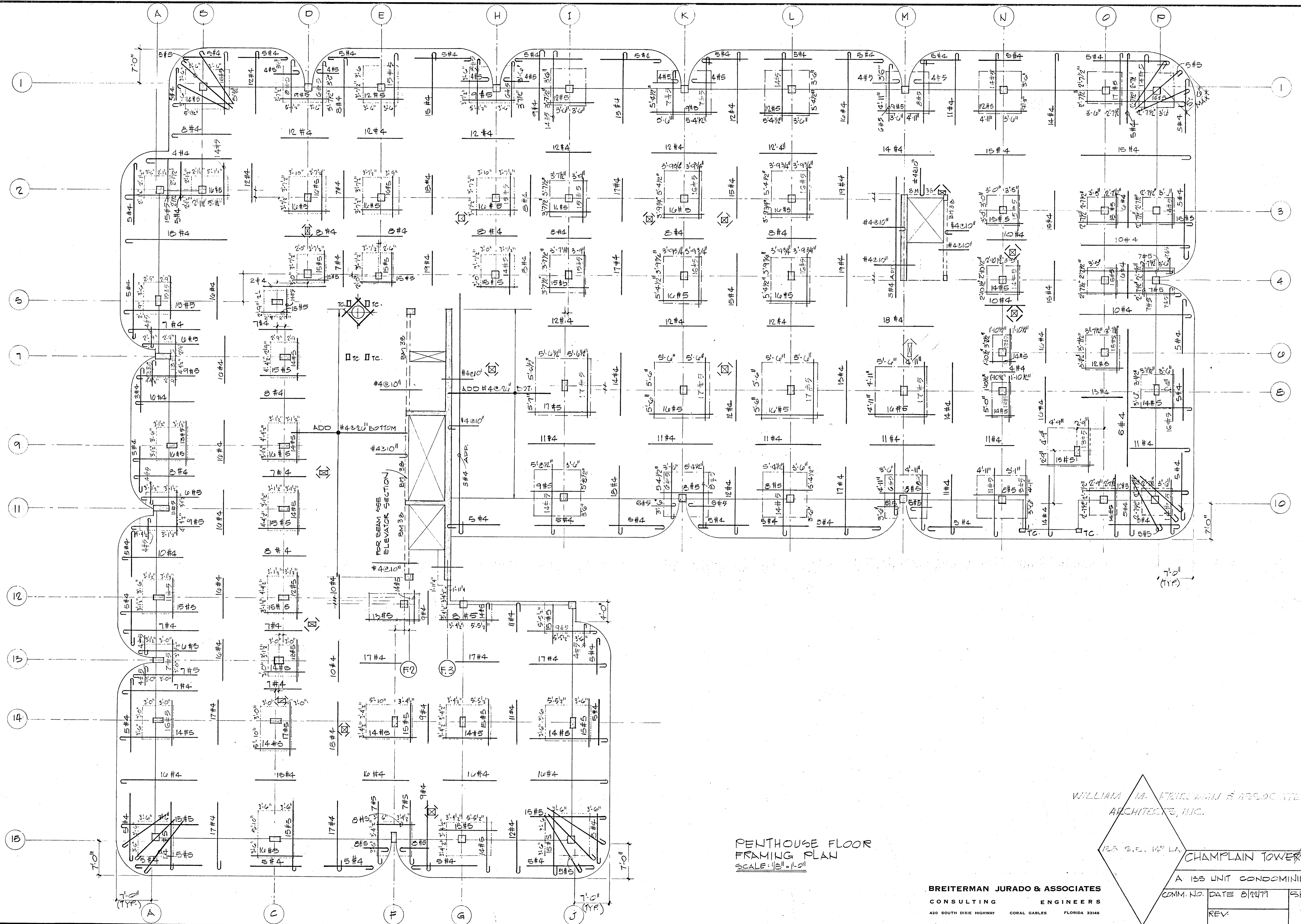
PENTHOUSE FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

**BREITERMAN JURADO & ASSOCIATES**  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

COMM. NO.	DATE	SHEET No.
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PENTHOUSE FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FEICHTMAN & ASSOCIATES  
ARCHITECTS, P.C.

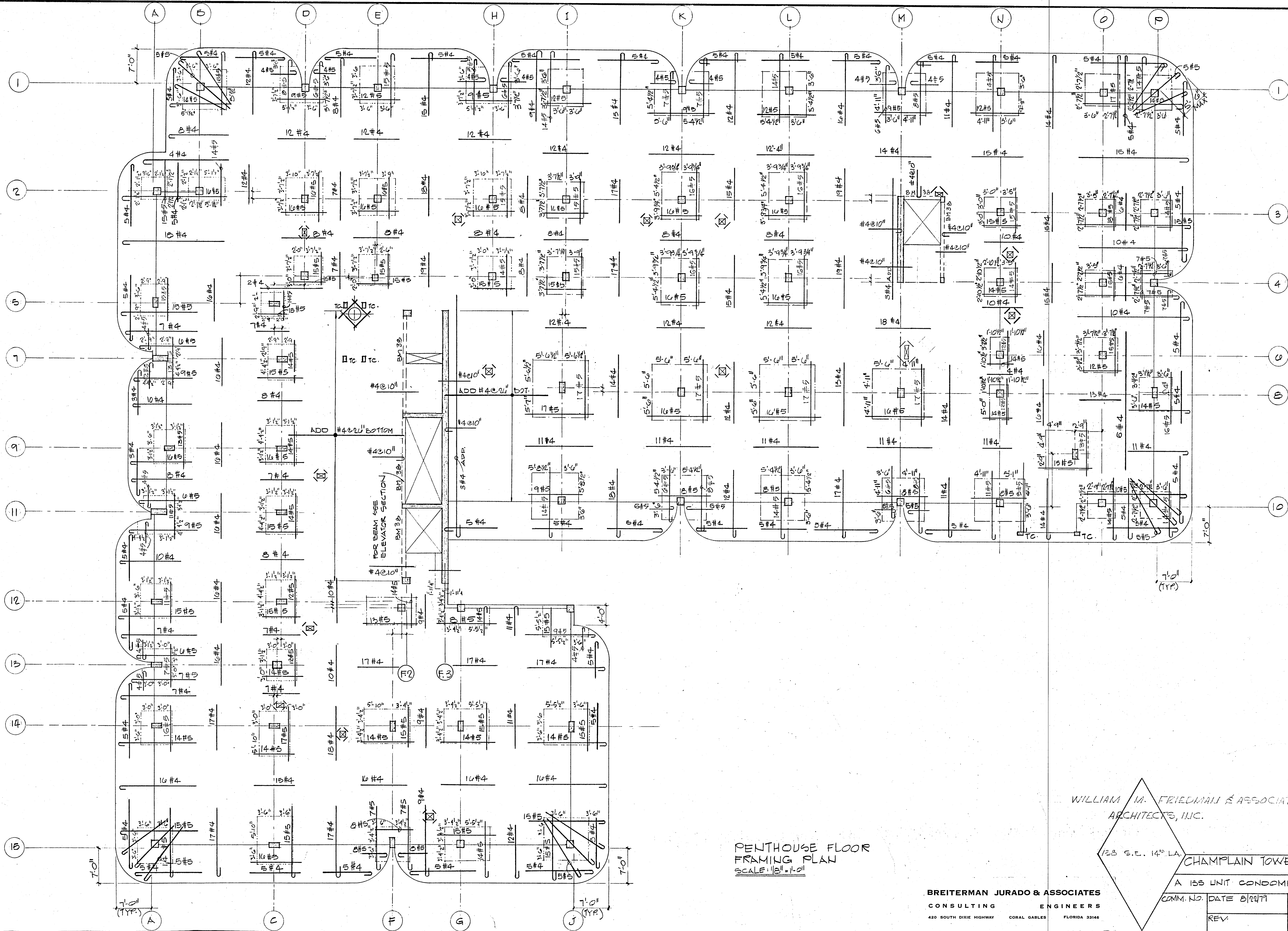
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CHAMPLAIN TOWERS SOUTH

A 155 UNIT CONDOMINIUM

COMM. NO.	DATE 8/27/79	SHEET NO.
REV.		59 OF 14

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146



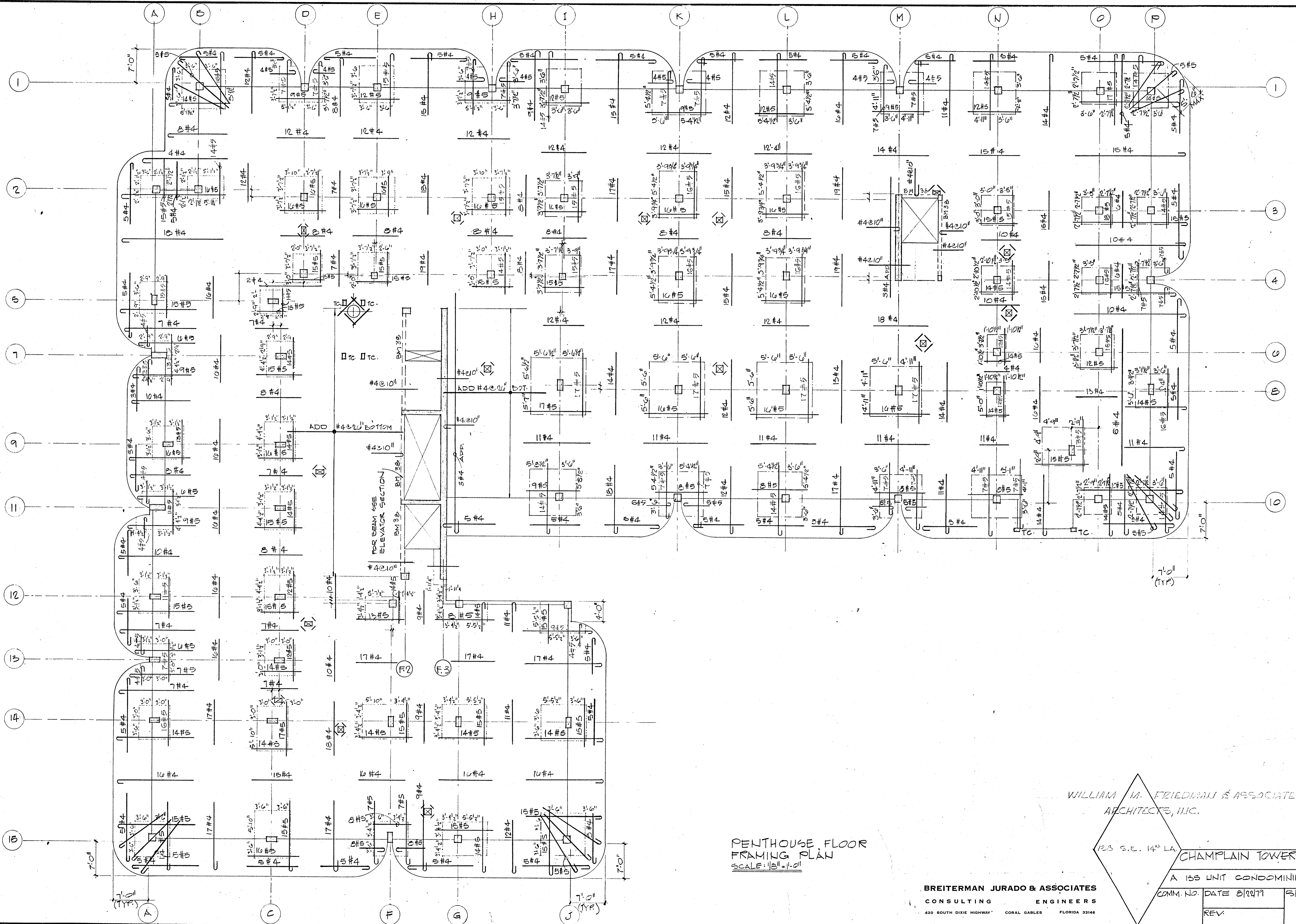
PENTHOUSE FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

128 S.E. 14<sup>TH</sup> L.A.  
CHAMPLAIN TOWERS SOUTH

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

A 135 UNIT CONDOMINIUM		SHEET NO.
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REV.		



PENTHOUSE FLOOR  
FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, LLC.

WMP

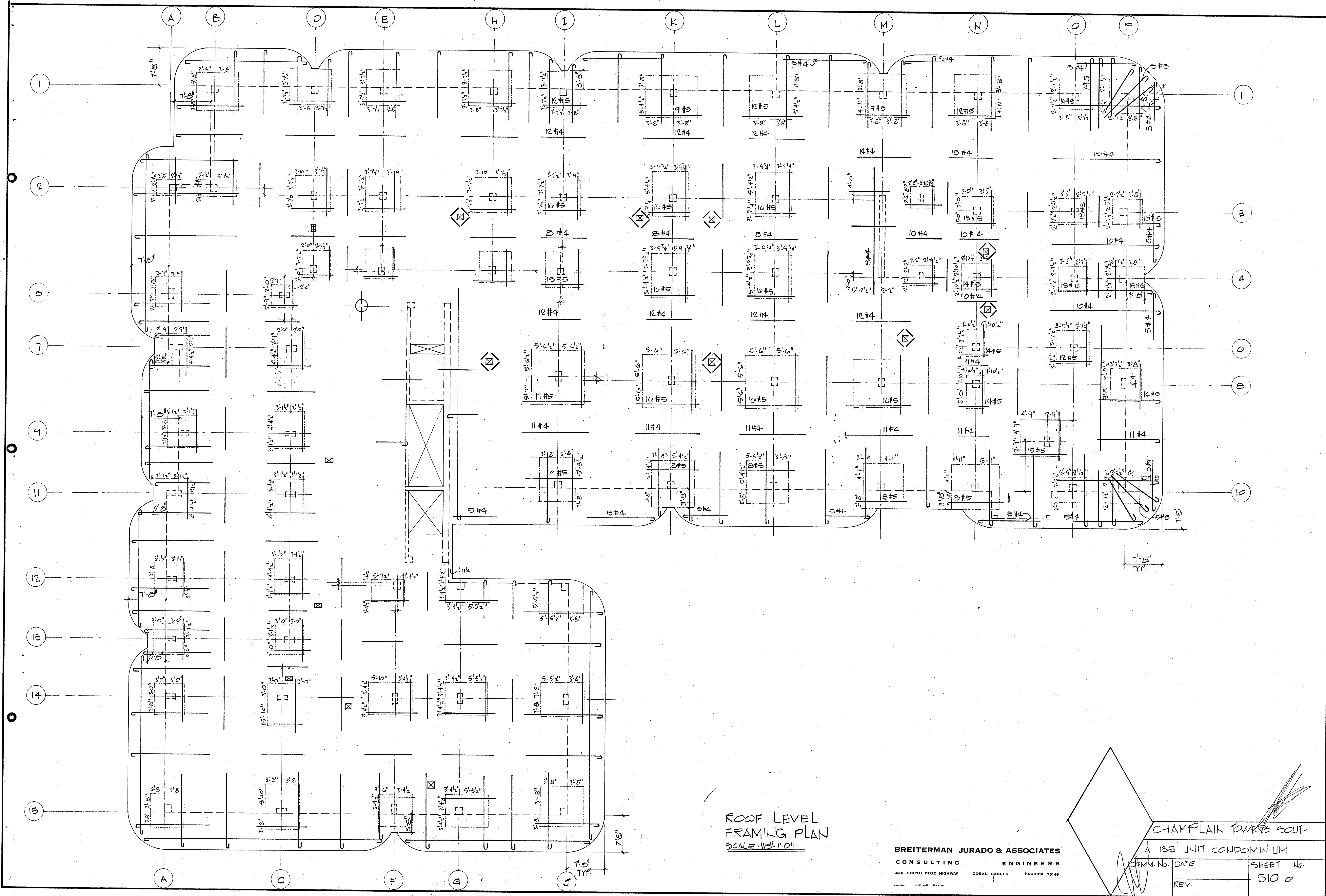
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420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH

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COMM. NO.	DATE 8/20/79	SHEET NO.
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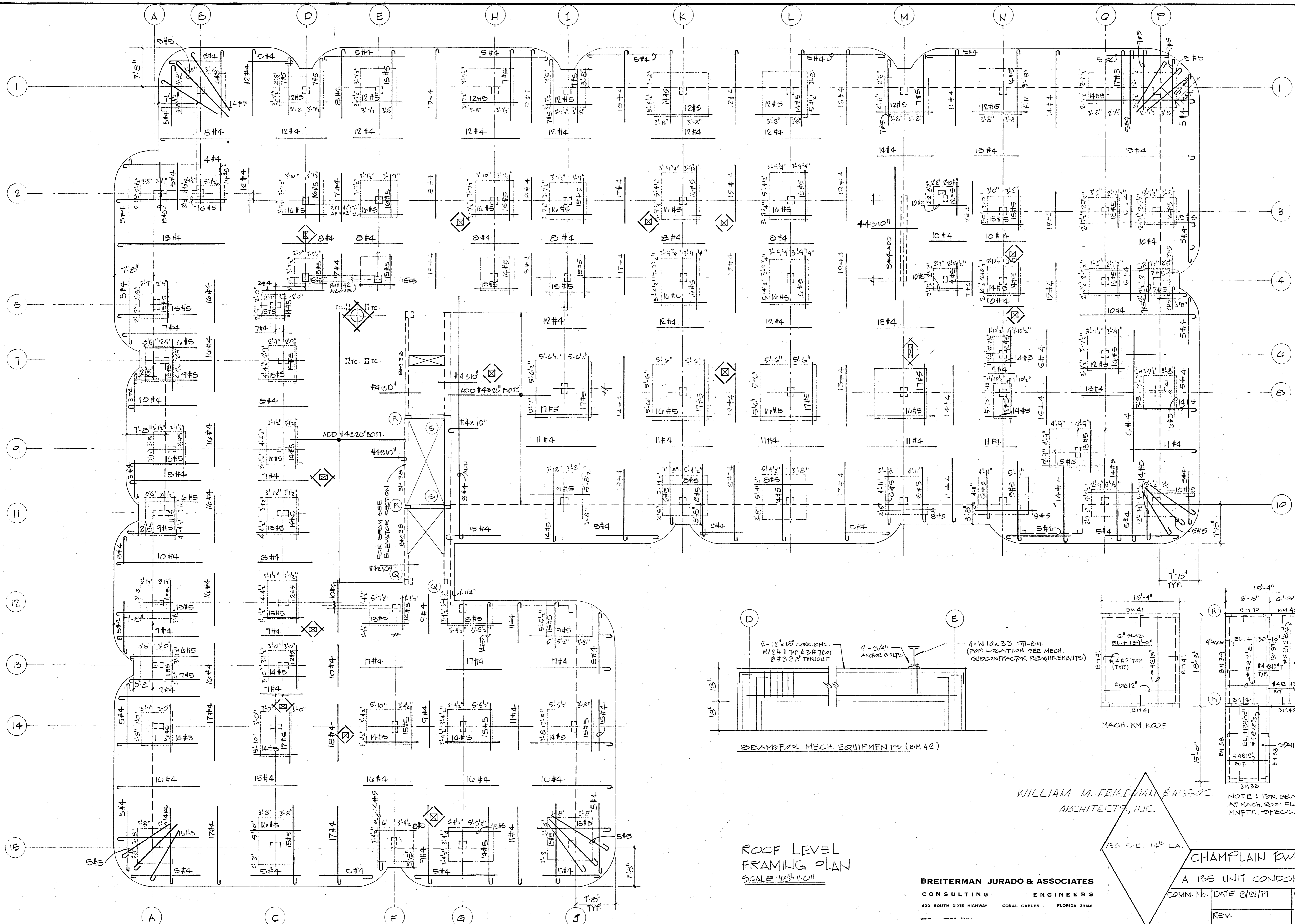


ROOF LEVEL  
FRAMING PLAN  
SCALE = 1/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM

DATE	SHEET NO.
REV.	510 OF



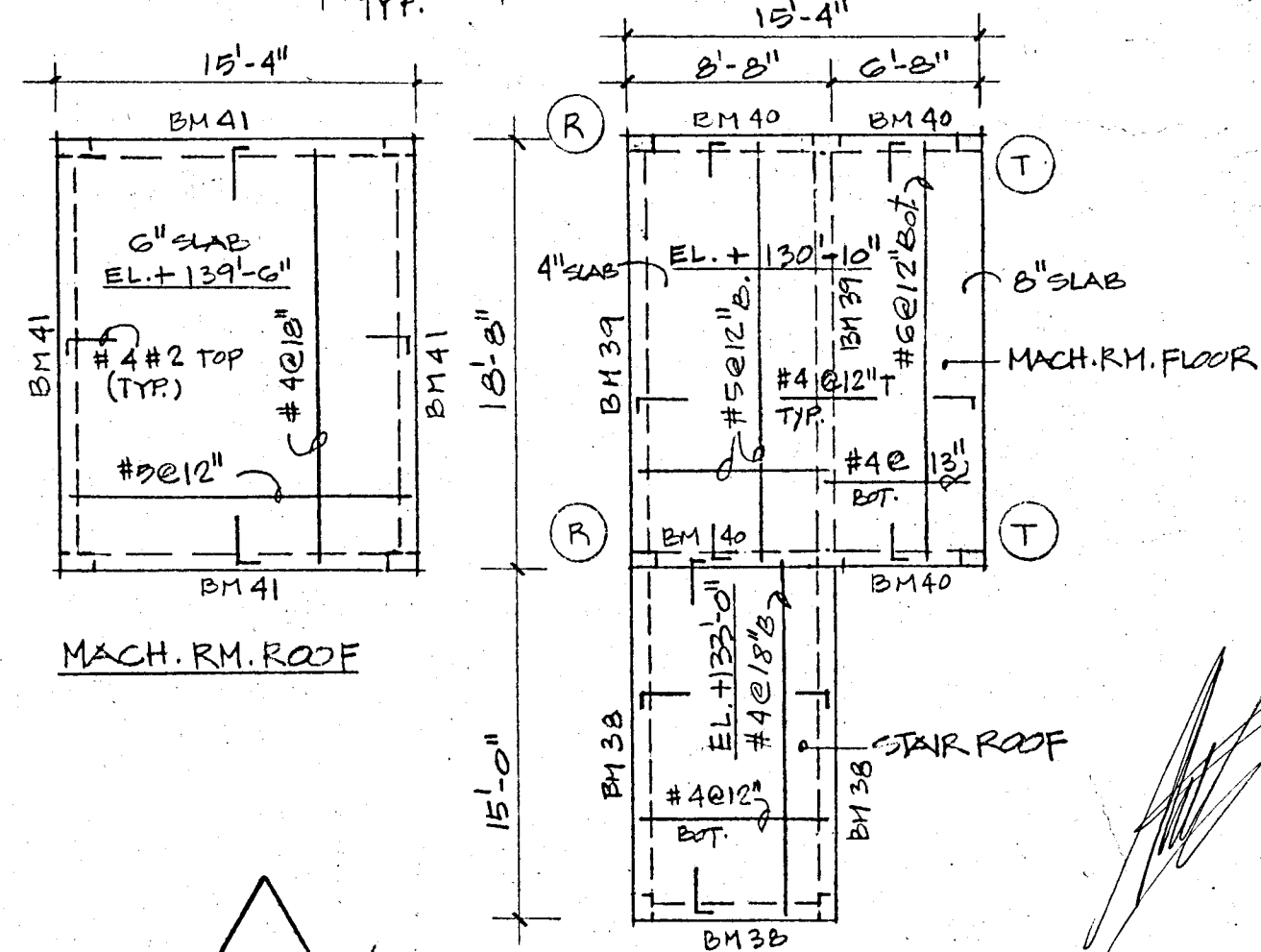
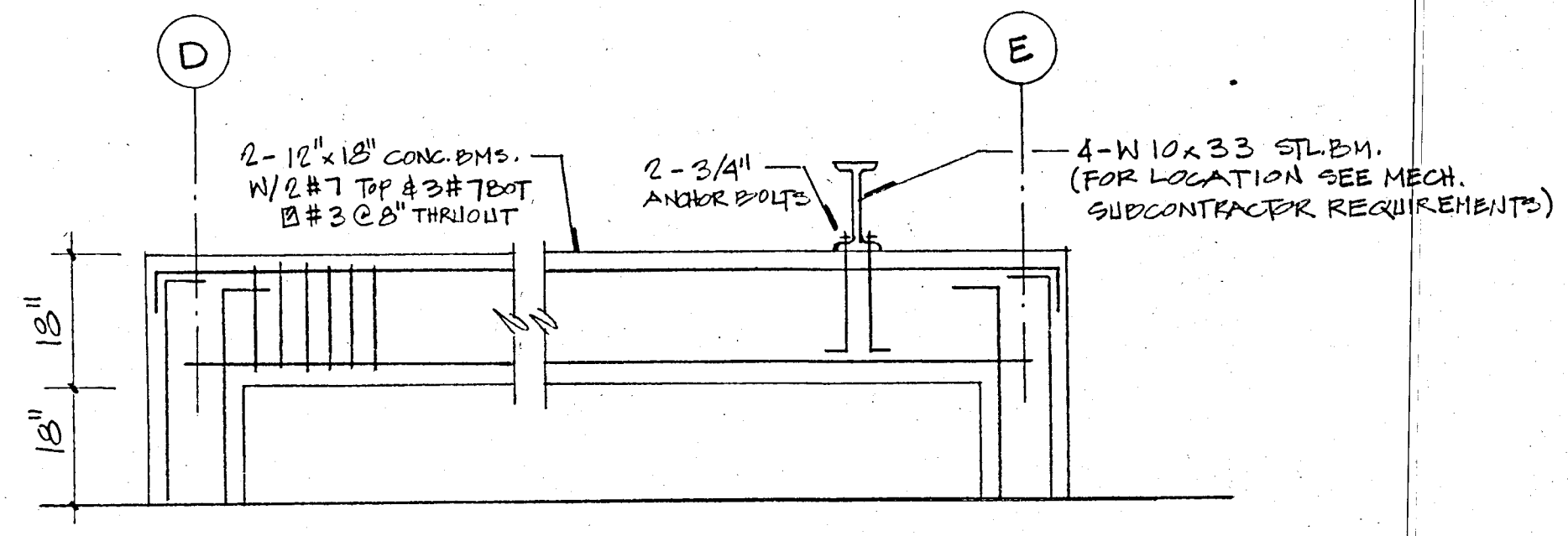
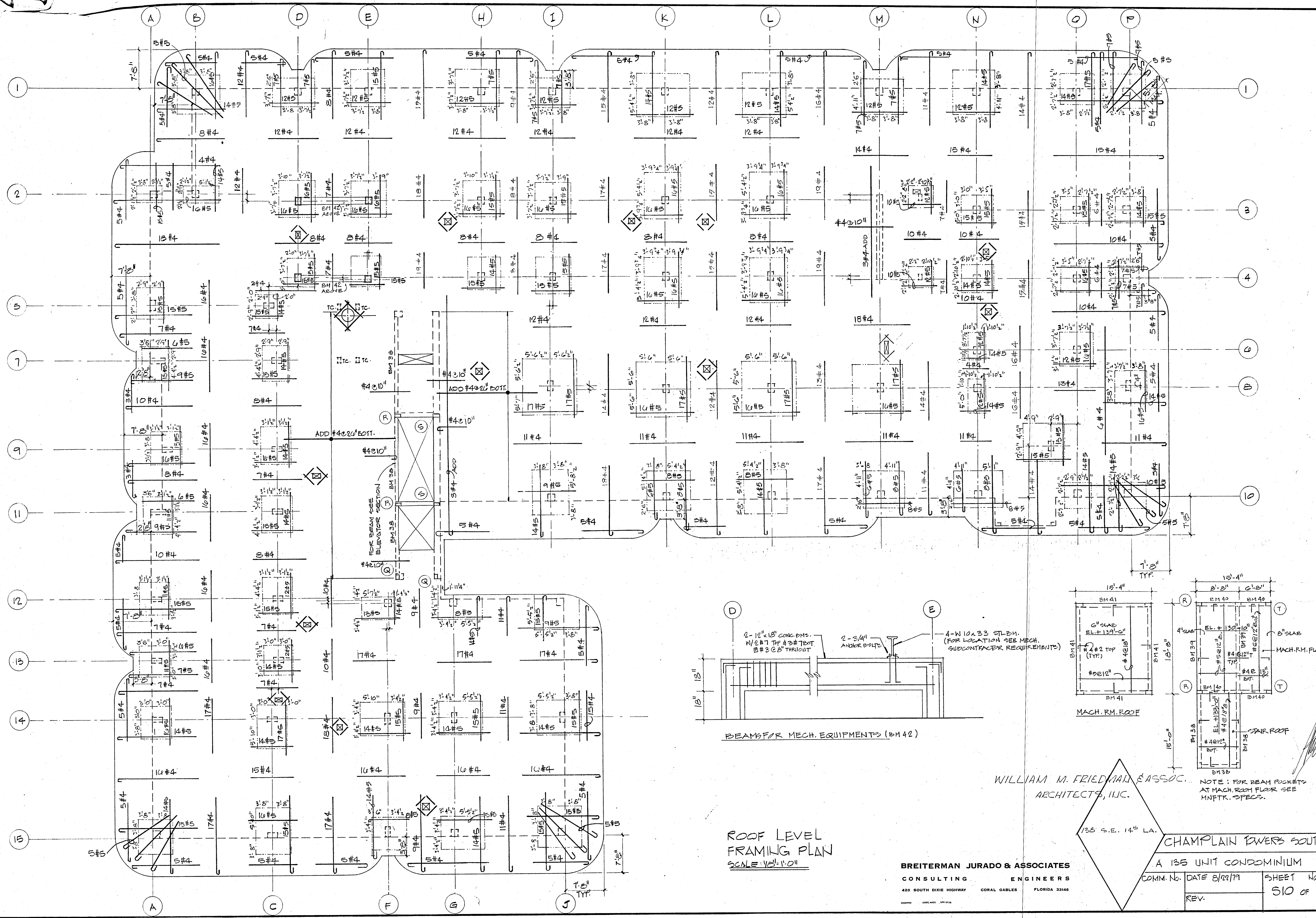
ROOF LEVEL FRAMING PLAN  
SCALE: 1/8" = 1'-0"

WILLIAM M. FRIEDMAN & ASSOC.  
ARCHITECTS, INC.

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM  
COMM. NO. DATE 8/22/79 SHEET NO. 510 OF 14  
REV.

NOTE: FOR BEAM POCKETS AT MACH. RM. FLOOR SEE MNFTR. SPECS.



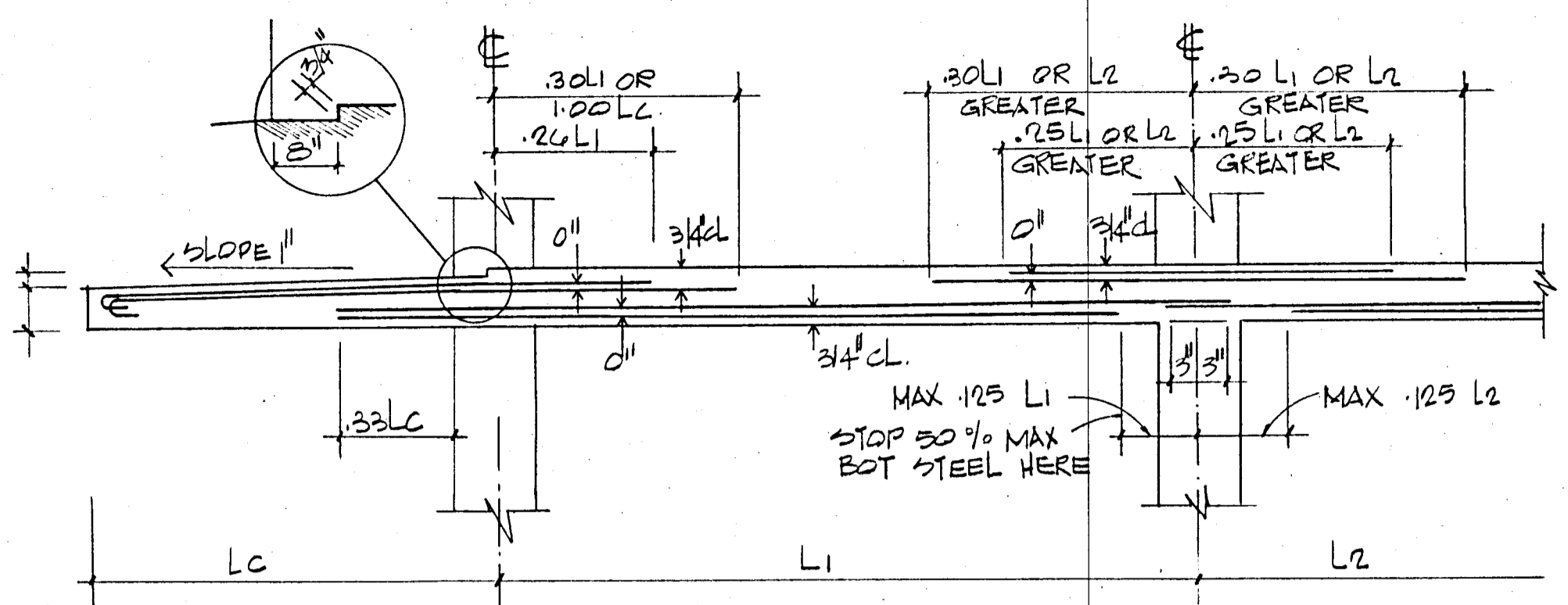
WILLIAM M. FRIEDMAN & ASSOC.  
ARCHITECTS, INC.

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

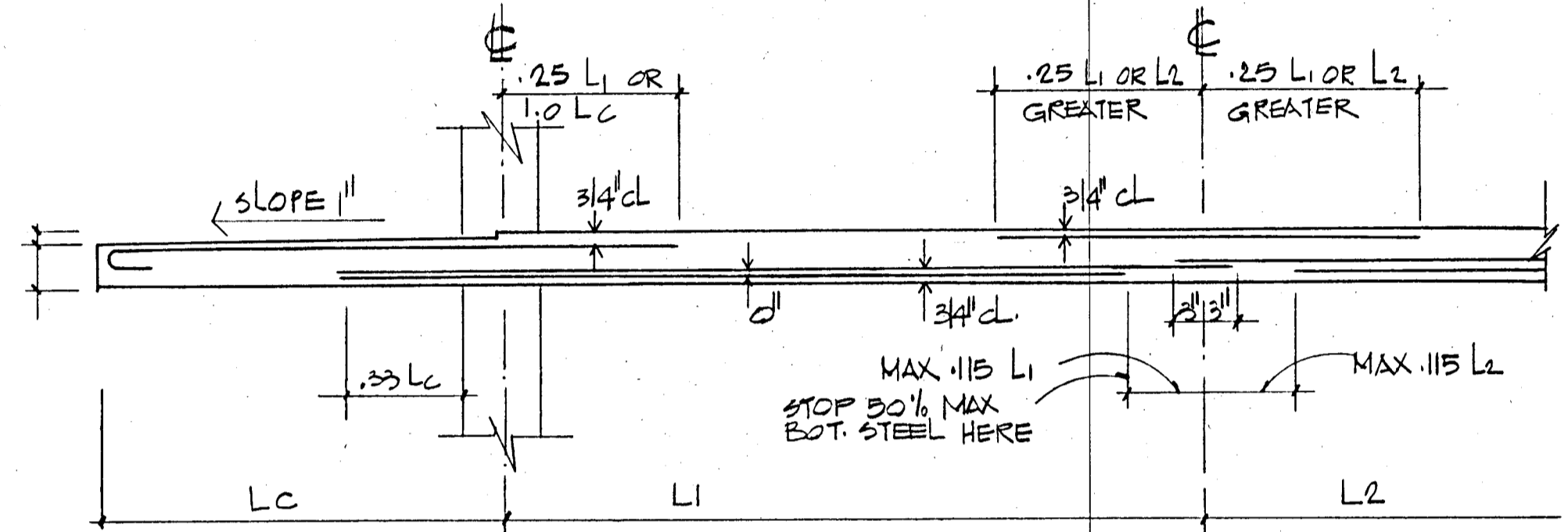
BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

138 S.E. 14<sup>th</sup> LA.  
CHAMPLAIN POWERS SOUTH  
A 135 UNIT CONDOMINIUM  
COMM. NO. DATE 8/22/79 SHEET NO. 510 OF 14  
REV.

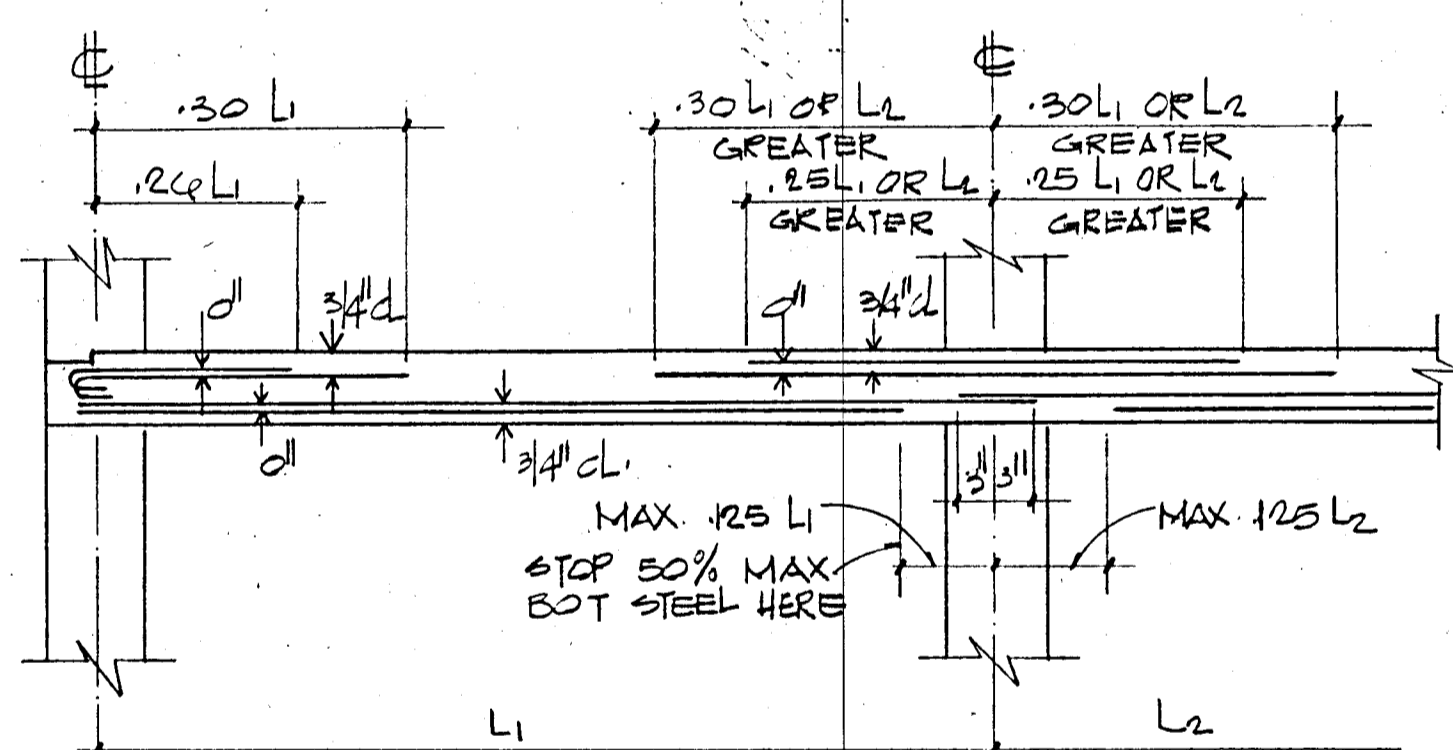
NOTE: FOR BEAM POCKETS AT MACH. ROOM FLOOR SEE M/FTR. SPECS.



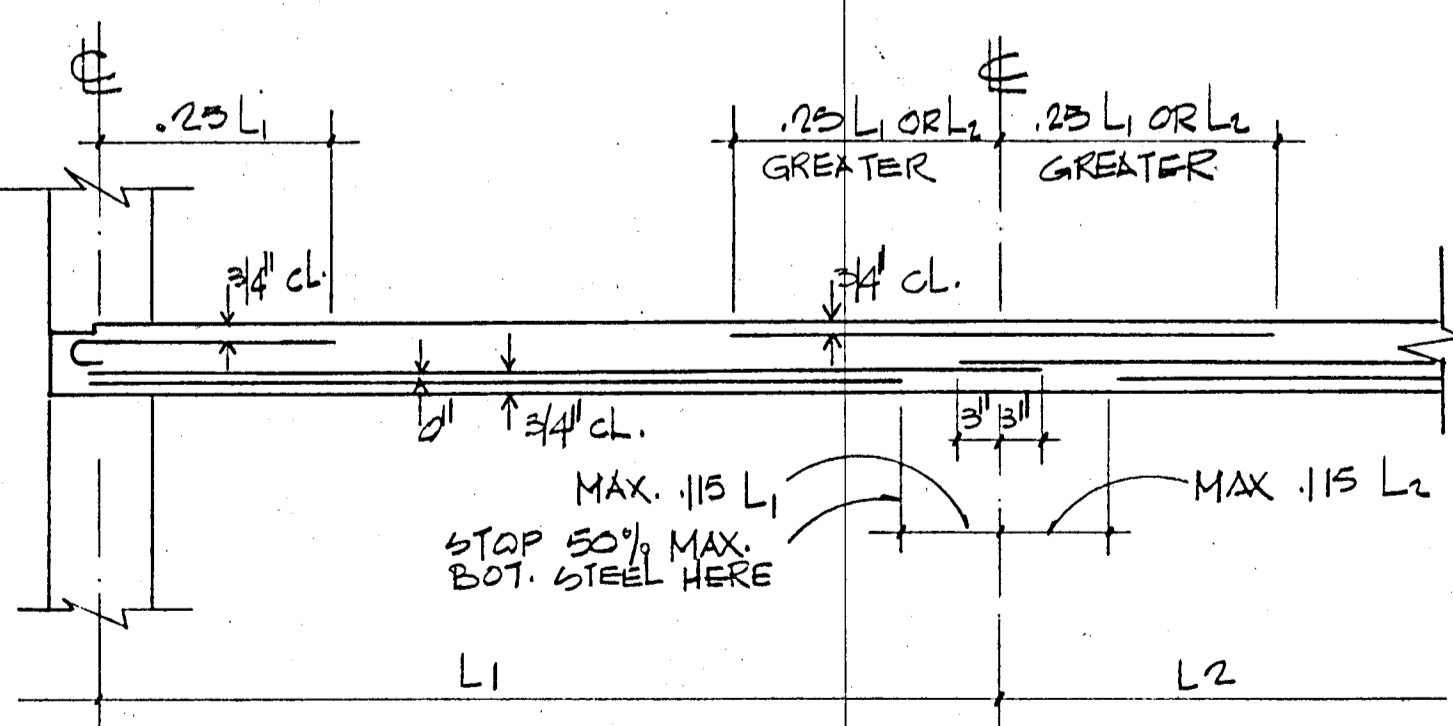
TYP. COLUMN STRIP WITH CANTILEVER  
NTS



TYP. MIDDLE STRIP WITH CANTILEVER  
NTS

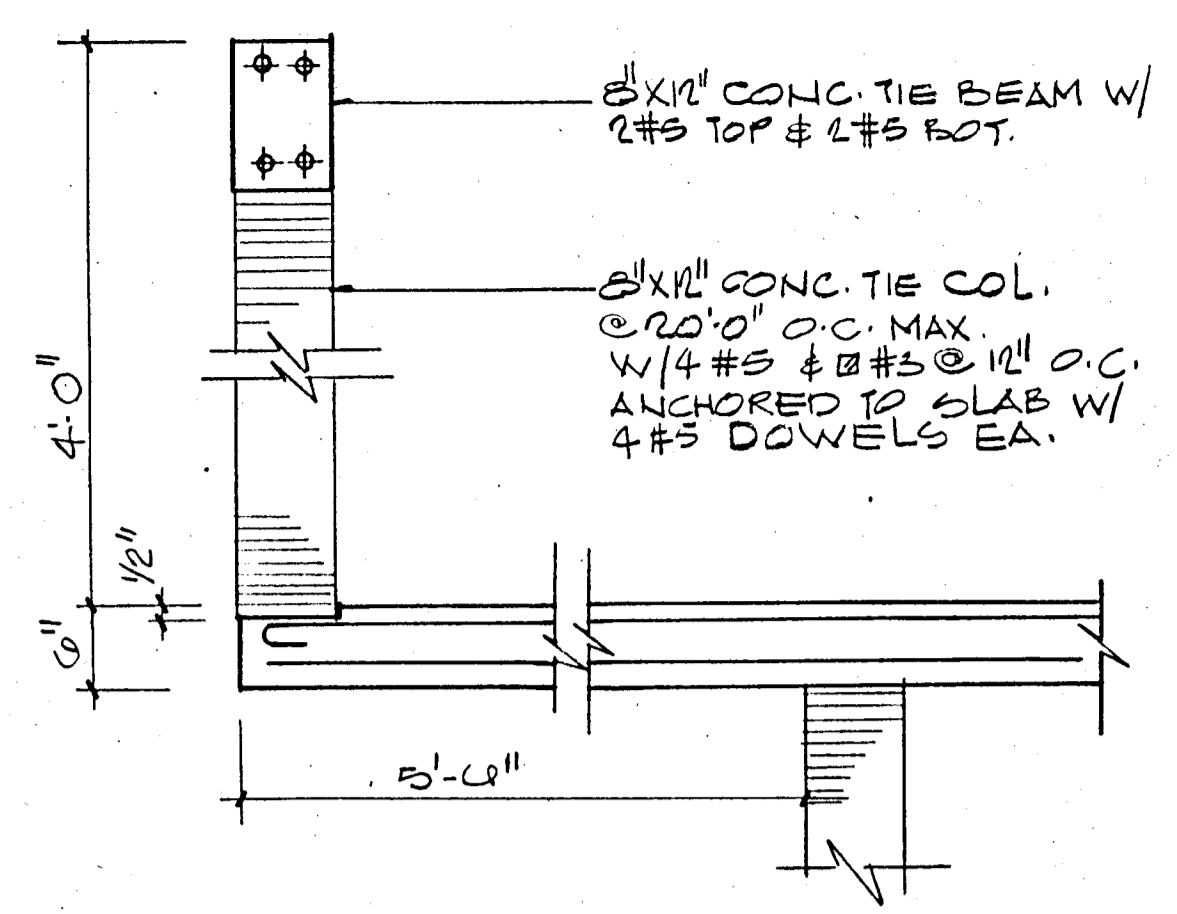


TYP. COLUMN STRIP  
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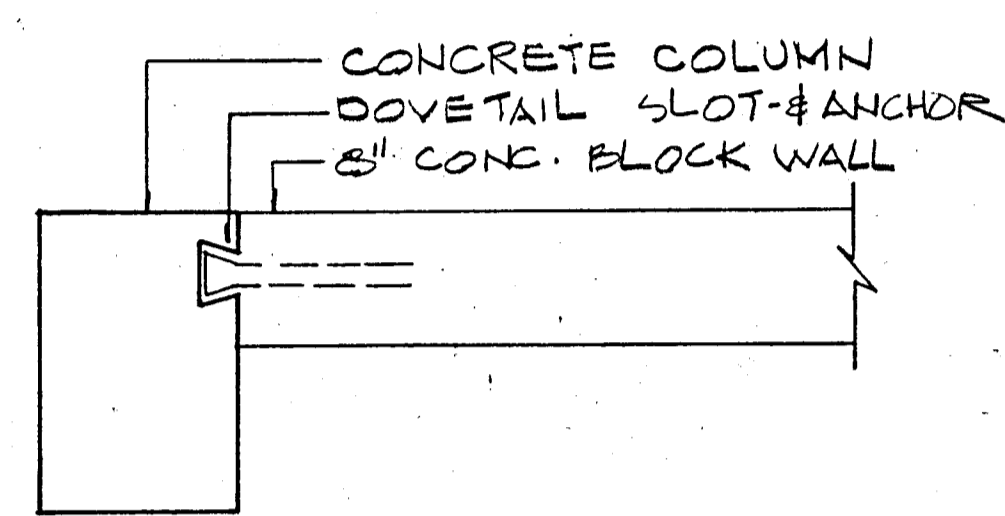


TYP. MIDDLE STRIP  
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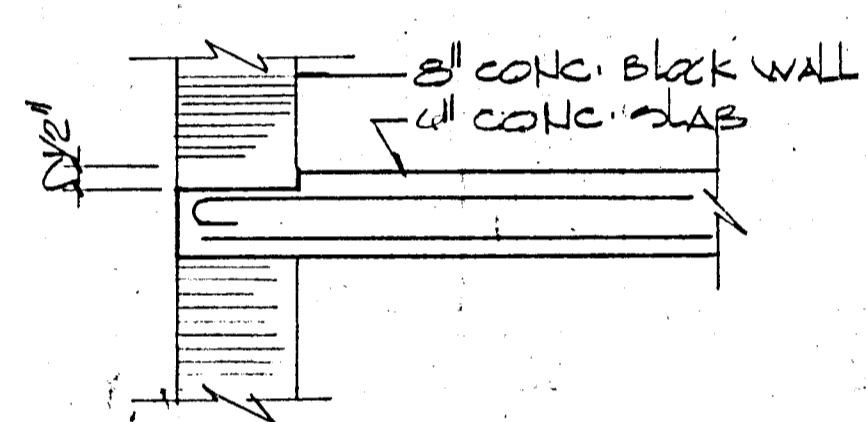
TYPICAL BAR DIAGRAM-FLAT SLABS  
(UNLESS OTHERWISE NOTED)



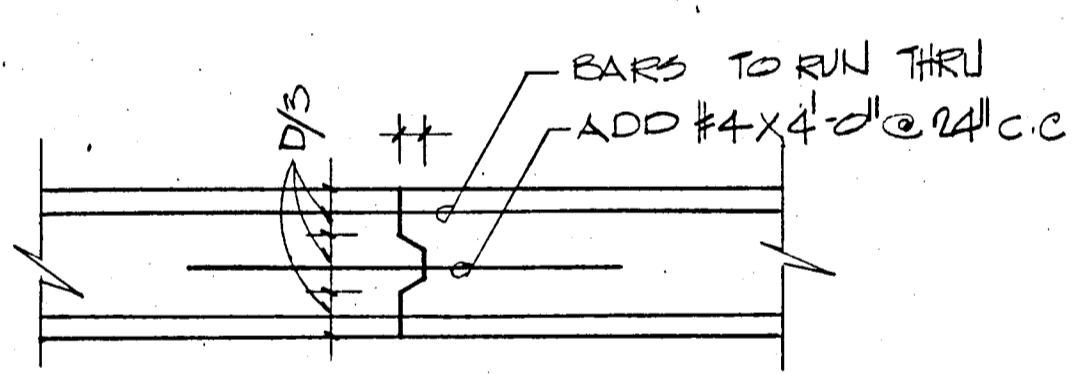
PARAPET DETAIL (TYPICAL)



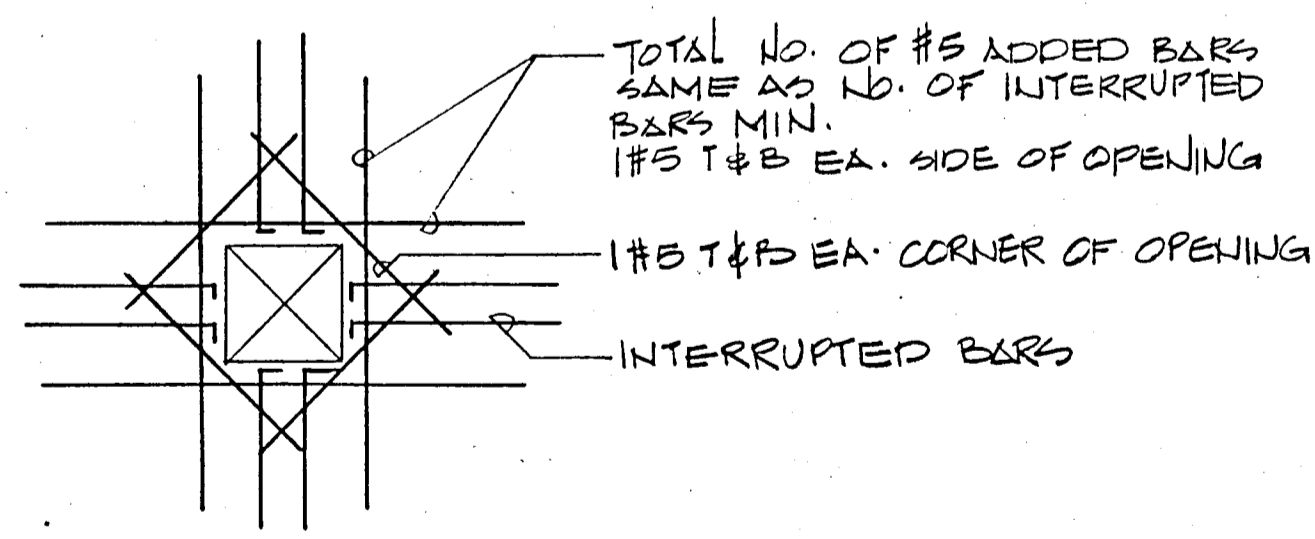
MASONRY ANCHORAGE DETAIL  
NTS



SLAB DEPRESSION  
AT EXTERIOR WALLS

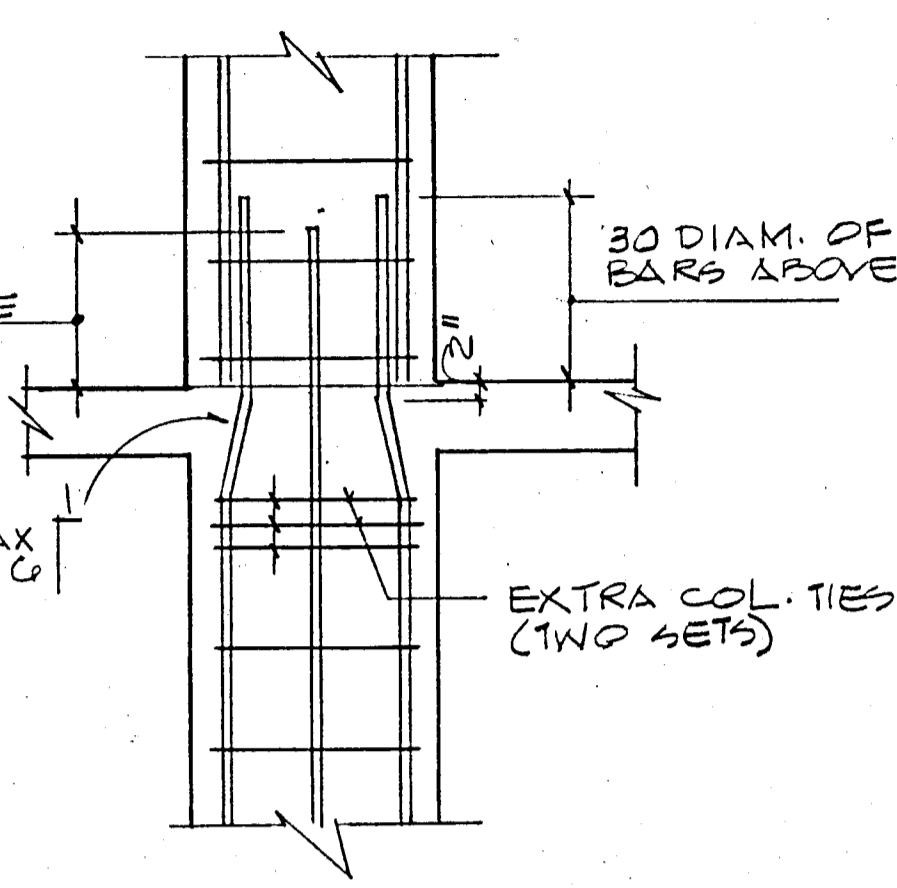
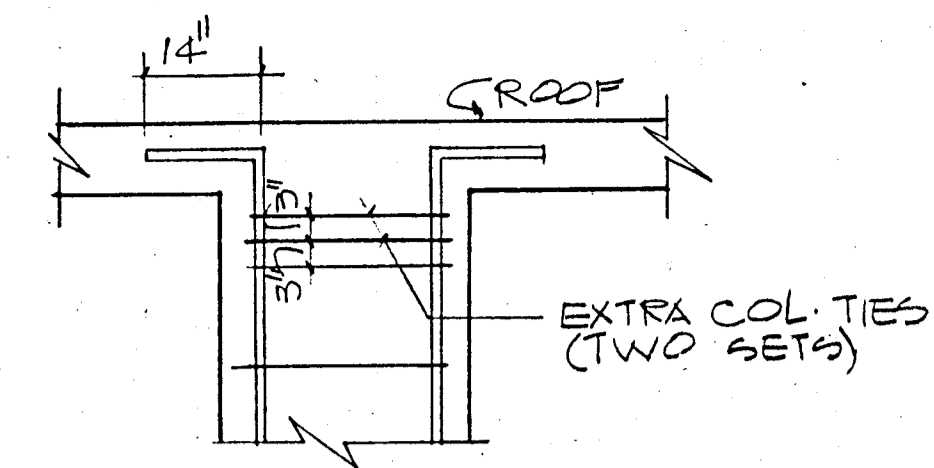


CONSTRUCTION JOINT DETAIL  
NTS

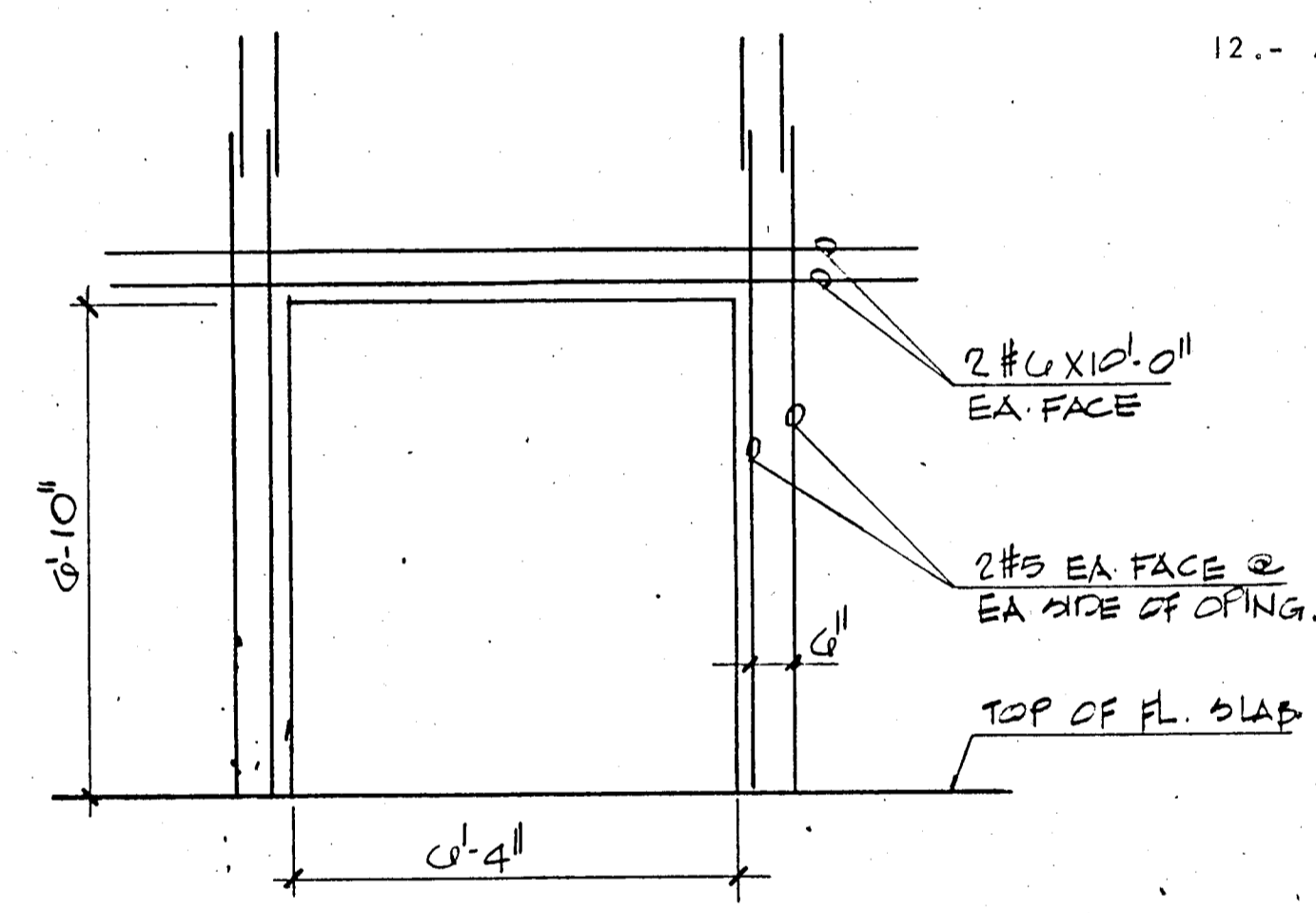


SLAB OPENING DET

FLAT PLATE SECTIONS  
AND DETAILS  
NTS



TYPICAL COLUMN  
SPLICE DETAILS  
NTS



SECTION THRU DOOR OPENING  
AT SHEAR WALL

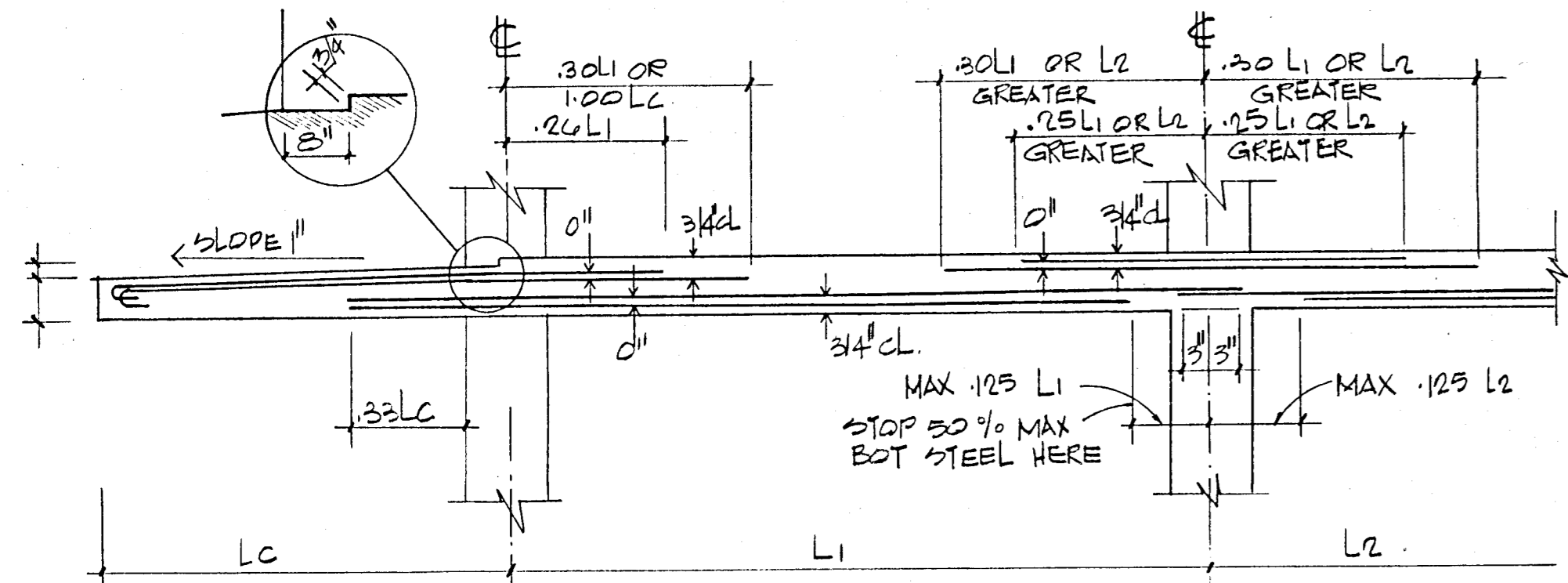
- GENERAL STRUCTURAL NOTES:-
- 1.- CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-72 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW.
  - 2.- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK.
  - 3.- ALL PILES TO BE 14" x 14" PRECAST CONCRETE DRIVEN TO 50 TONS.
  - 4.- CONTRACTOR SHALL COORDINATE WITH ALL MECHANICAL & ELECTRICAL TRADES ALL SLAB OPENINGS & ELEVATOR DIMENSIONS. LOCATION OF OPENINGS IN SLAB IN EXCESS OF 8" SHOULD BE SUBMITTED TO A/E FOR APPROVAL.
  - 5.- REINFORCING BARS TO MEET ASTM A-615 GRADE 60, DETAILED AND PLACED IN ACCORDANCE WITH ACI-318-77. AND SFBC 1976 EDITION. REINFORCING TO BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF CONCRETE. WELDED WIRE FABRIC TO COMPLY WITH ASTM A-185.
  - 6.- ALL CONCRETE STRENGTH TO BE AS SHOWN ON PLANS. IF NOT OTHERWISE SPECIFIED F'C = 3,000 PSI.
  - 7.- VERTICAL CONSTRUCTION JOINTS, USING APPROVED BULKHEADS, CAN BE MADE AT CENTER OF BEAM OR SLAB IF REQUIRED. NO HORIZONTAL CONSTRUCTION JOINTS SHALL BE MADE IN BEAMS OR SLABS.
  - 8.- SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS.
  - 9.- TIE BEAMS (MARKED T.B.) REFER TO 8 X 12 INCHES TIE BEAMS REINFORCED WITH 2 #5 TOP AND 2 #5 BOTT. TIE COLUMNS (MARKED T.C.) ARE 8 X 12 INCHES TIE COLUMNS REINFORCED WITH 4 #5 BARS AND #2 TIES SPACED AT 12 INCHES O.C.
  - 10.- REINFORCING BAR SPLICED, WHERE REQUIRED SHALL BE DETAILED AND MADE IN ACCORDANCE WITH AC-318-77.
  - 11.- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ORDINANCES.
  - 12.- ALL PRECAST PRESTRESSED UNITS TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH APPLICABLE ACI STANDARDS.

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

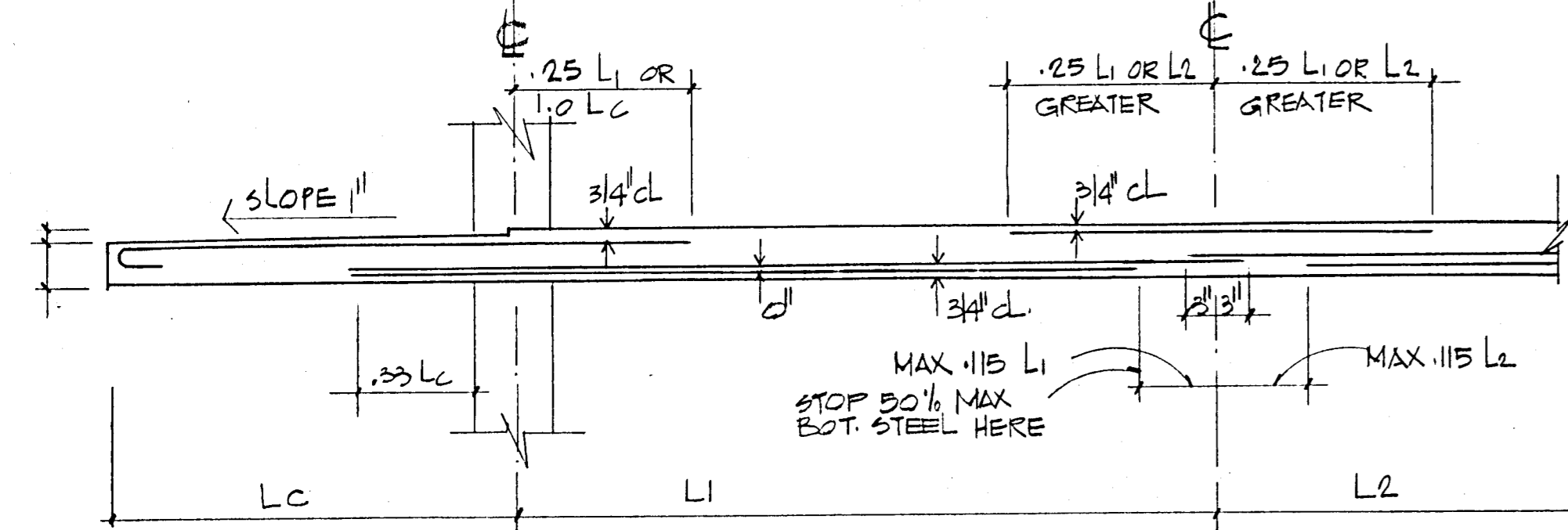
CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

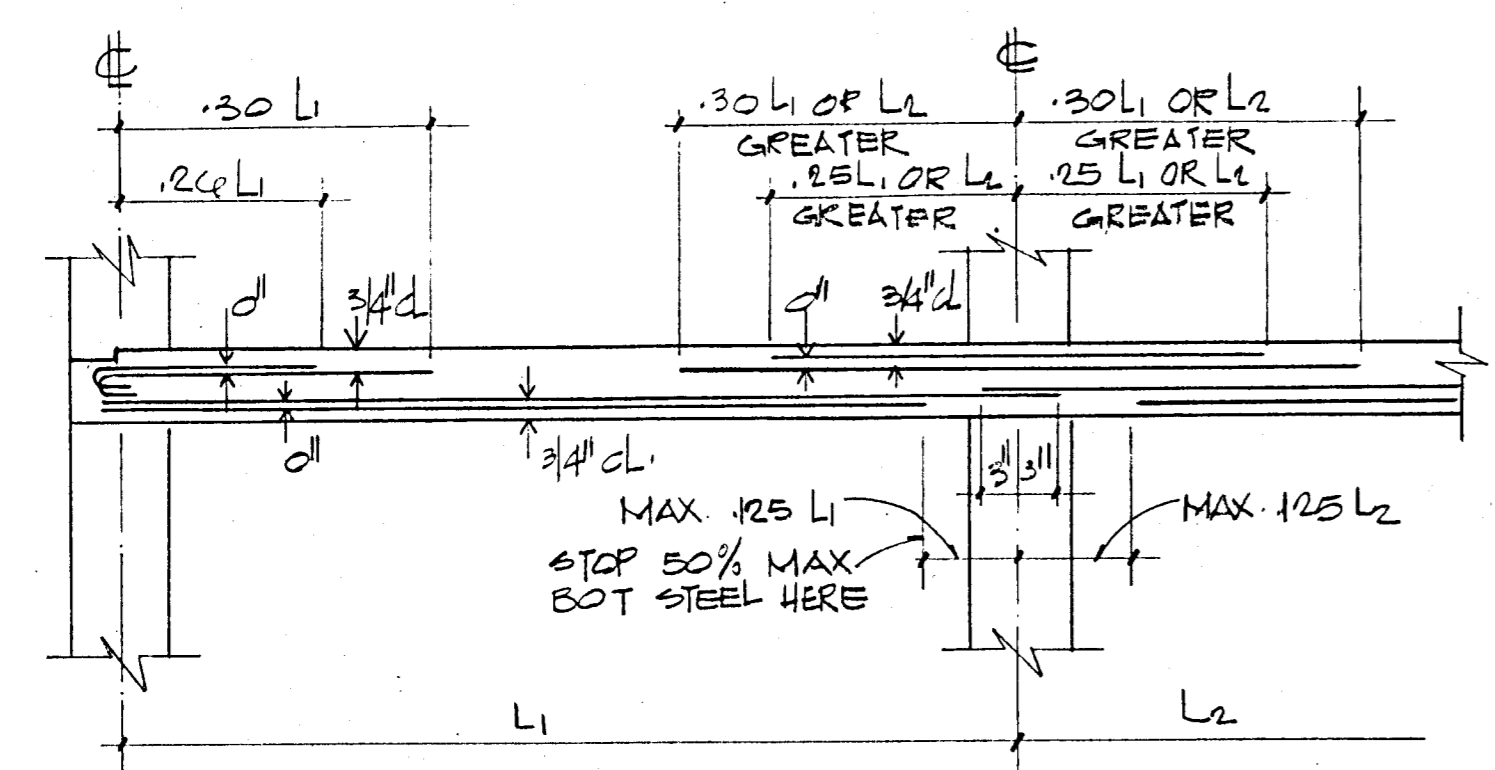
COMM. NO.	DATE	SHEET NO.
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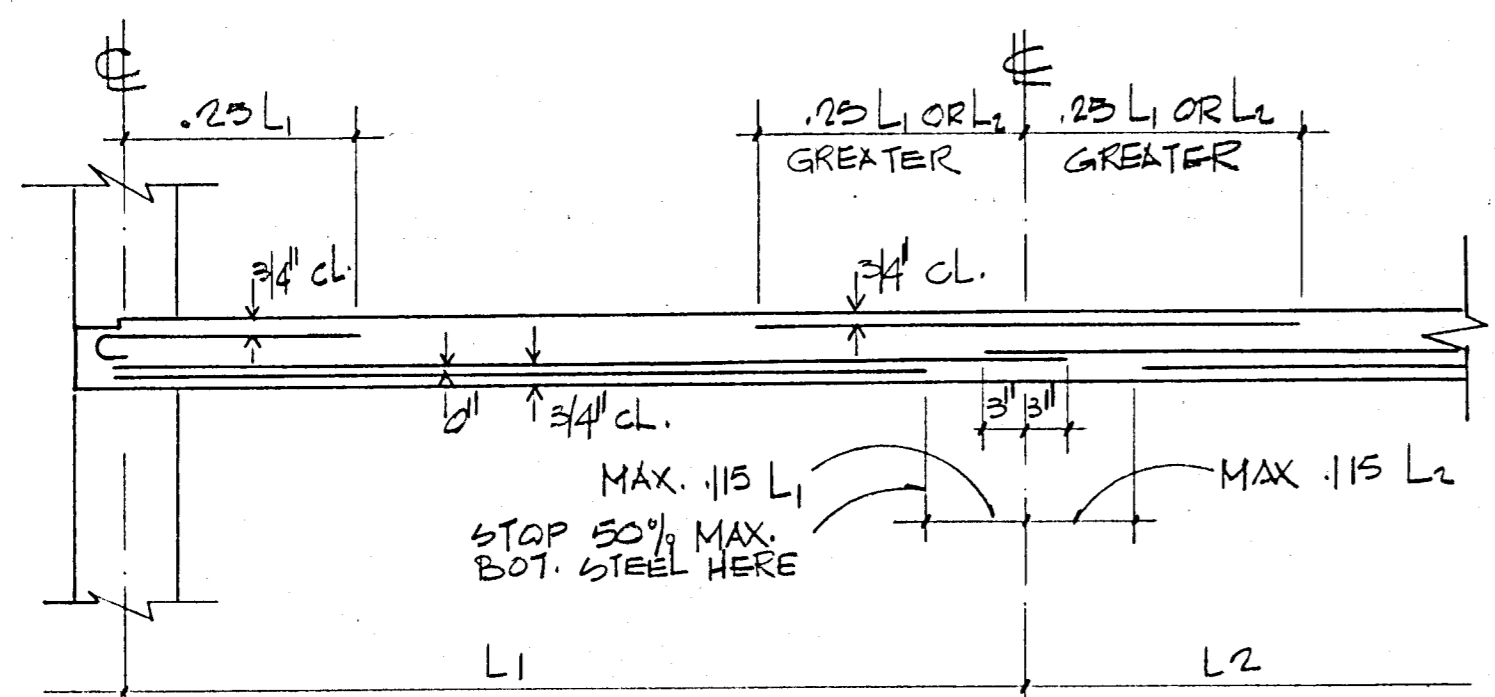
TYP. COLUMN STRIP WITH CANTILEVER  
NTS



TYP. MIDDLE STRIP WITH CANTILEVER  
NTS

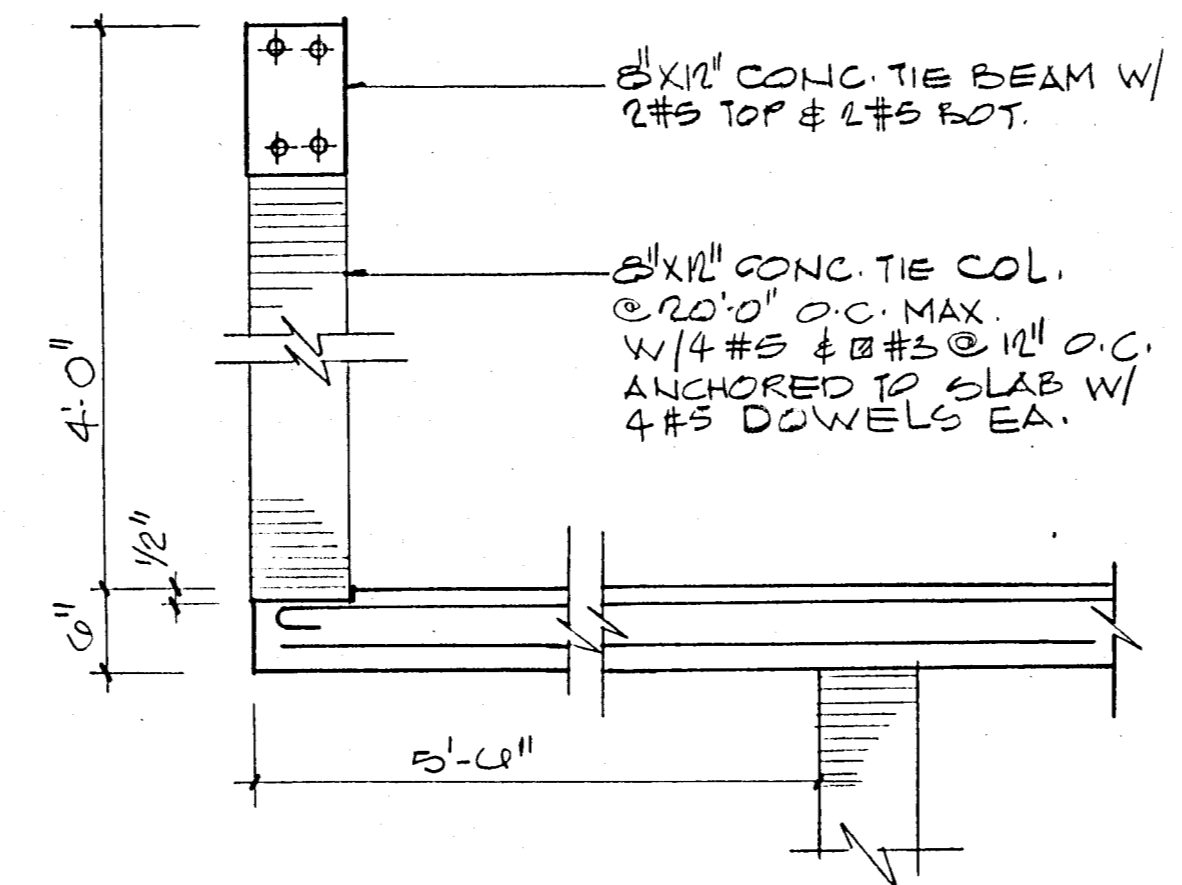


TYP. COLUMN STRIP  
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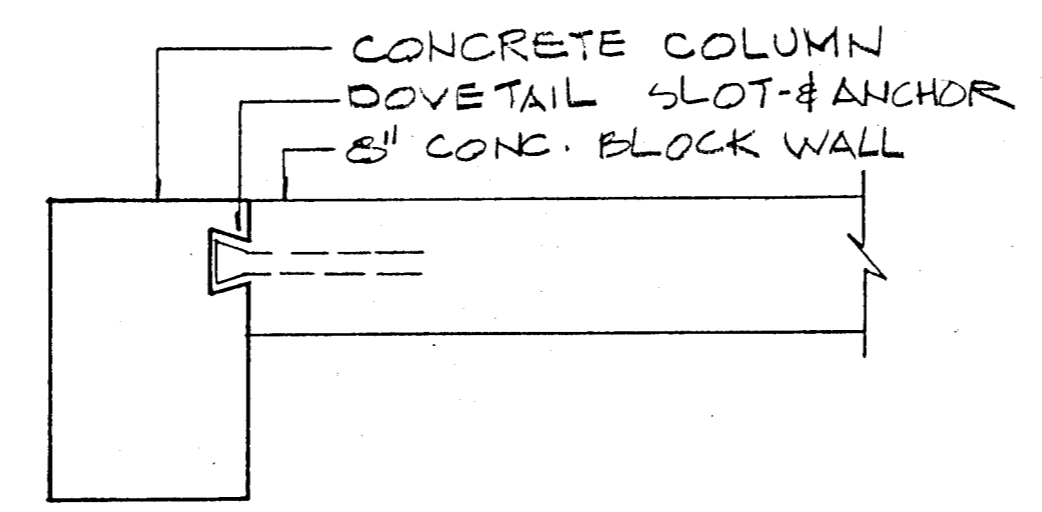


TYP. MIDDLE STRIP  
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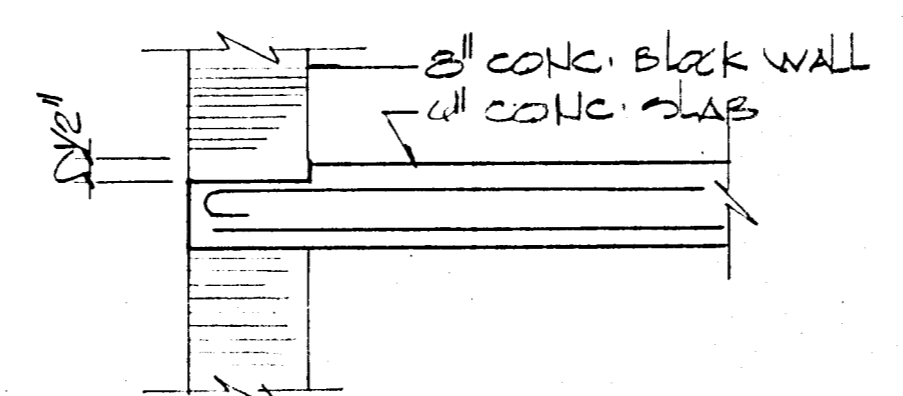
TYPICAL BAR DIAGRAM-FLAT SLABS  
(UNLESS OTHERWISE NOTED)



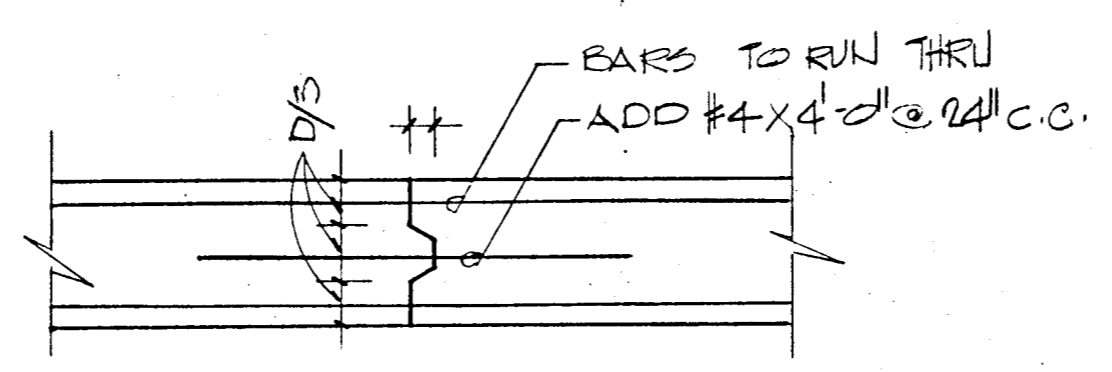
PARAPET DETAIL (TYPICAL)



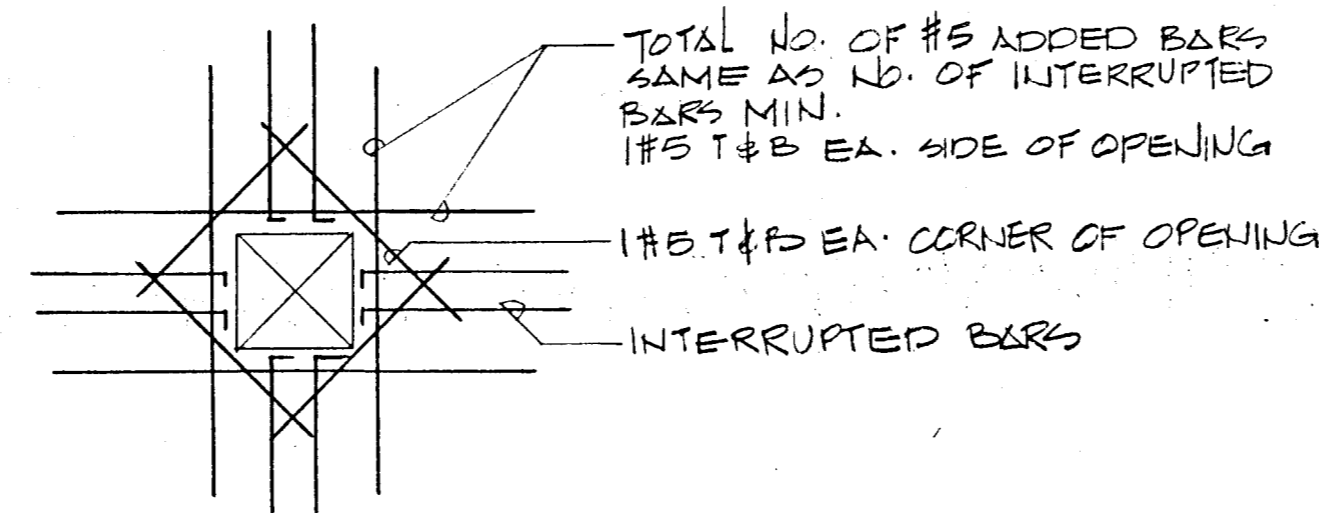
MASONRY ANCHORAGE DETAIL  
NTS



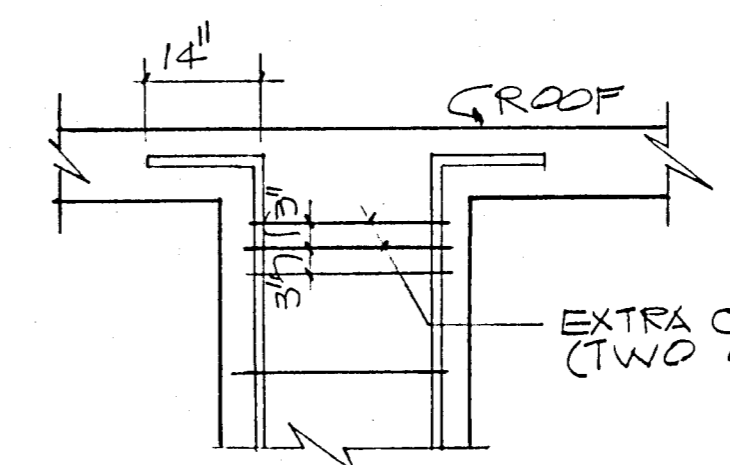
SLAB DEPRESSION  
AT EXTERIOR WALLS



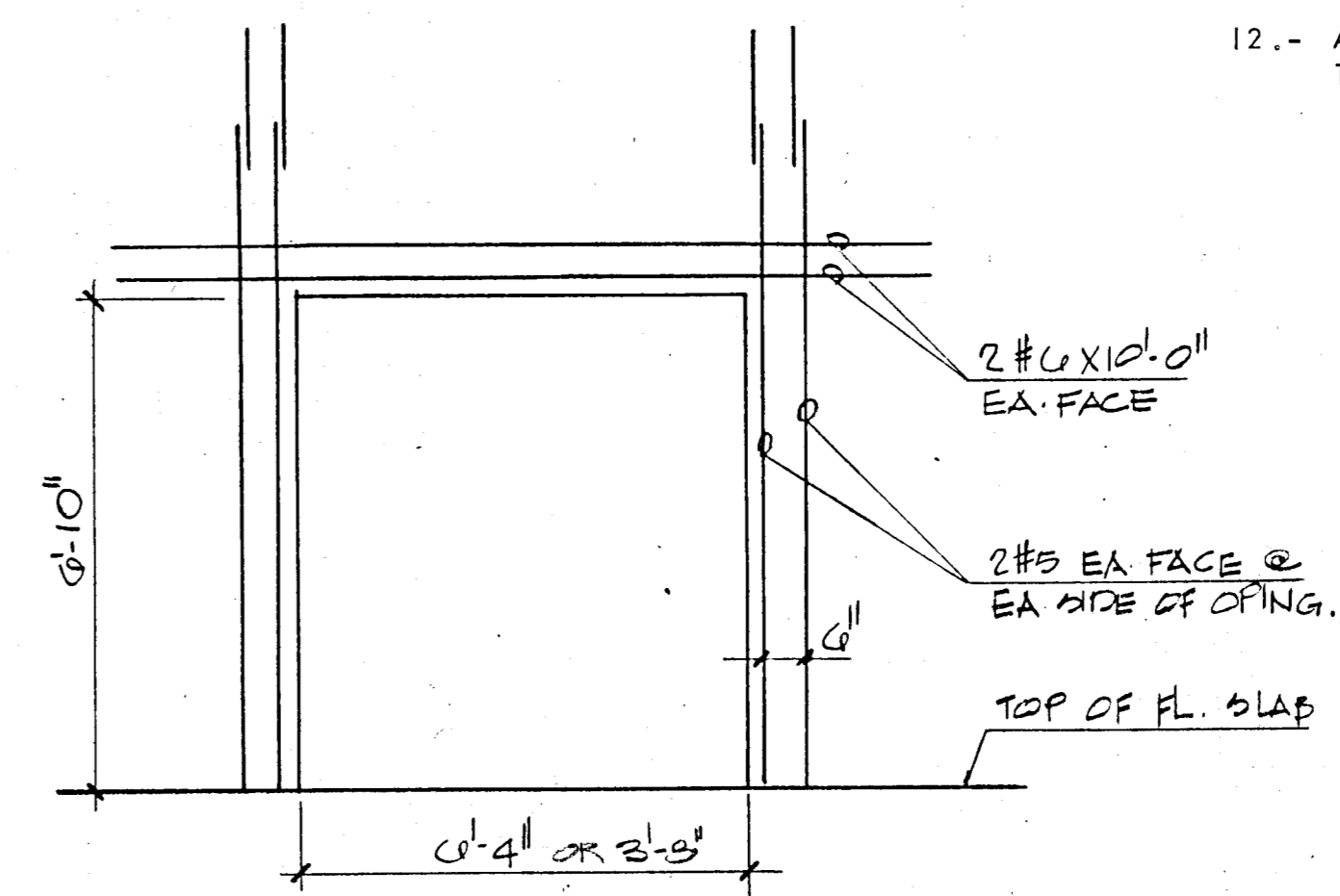
CONSTRUCTION JOINT DETAIL  
NTS



SLAB OPENING DET



TYPICAL COLUMN  
SPLICE DETAILS  
NTS



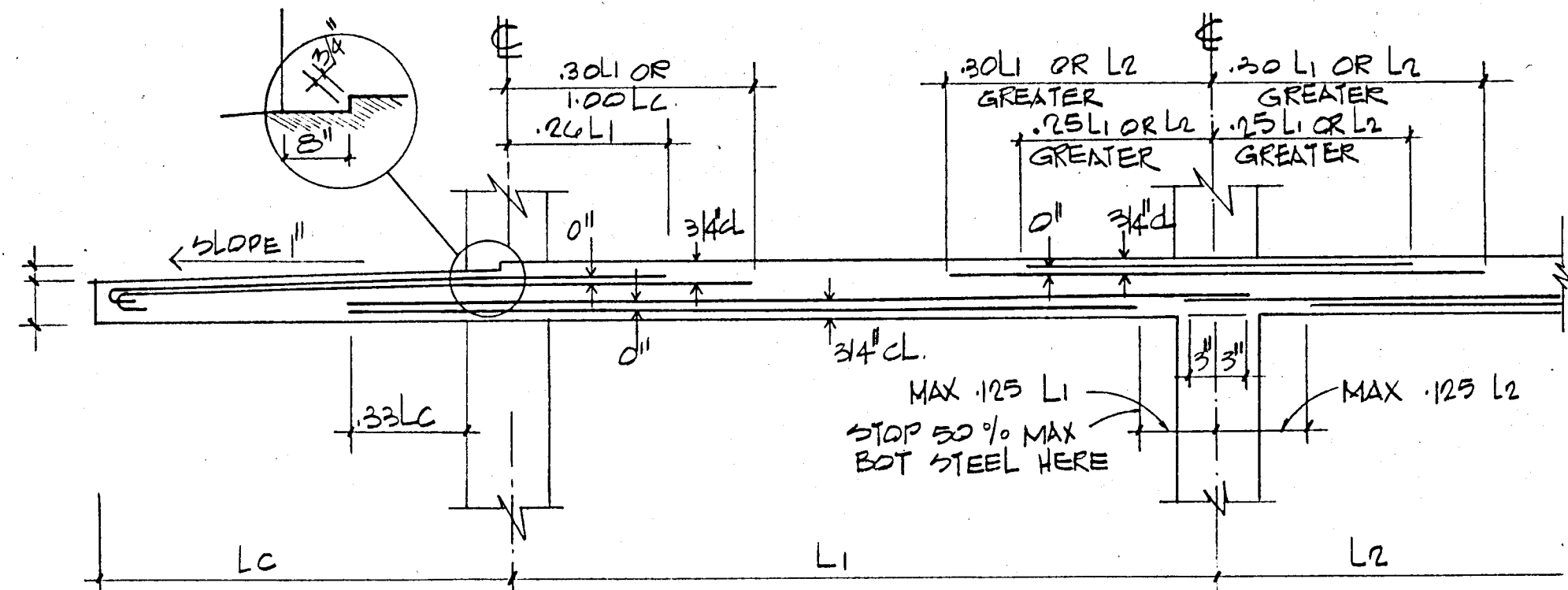
SECTION THRU DOOR OPENING  
AT SHEAR WALL

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  - 3.- ALL PILES TO BE 14" x 14" PRECAST CONCRETE DRIVEN TO 50 TONS.
  - 4.- CONTRACTOR SHALL COORDINATE WITH ALL MECHANICAL & ELECTRICAL TRADES ALL SLAB OPENINGS & ELEVATOR DIMENSIONS. LOCATION OF OPENINGS IN SLAB IN EXCESS OF 8" SHOULD BE SUBMITTED TO A/E FOR APPROVAL.
  - 5.- REINFORCING BARS TO MEET ASTM A-615 GRADE 60, DETAILED AND PLACED IN ACCORDANCE WITH ACI-318-77, AND SFBC 1976 EDITION. REINFORCING TO BE HELD SECURELY IN POSITION WITH STANDARD ACCESORIES DURING PLACING OF CONCRETE. WELDED WIRE FABRIC TO COMPLY WITH ASTM A-185.
  - 6.- ALL CONCRETE STRENGTH TO BE AS SHOWN ON PLANS. IF NOT OTHERWISE SPECIFIED F'C = 3,000 PSI.
  - 7.- VERTICAL CONSTRUCTION JOINTS, USING APPROVED BULKHEADS, CAN BE MADE AT CENTER OF BEAM OR SLAB IF REQUIRED. NO HORIZONTAL CONSTRUCTION JOINTS SHALL BE MADE IN BEAMS OR SLABS.
  - 8.- SEE ARCHITECTURAL DRAWINGS FOR ELEVATIONS.
  - 9.- TIE BEAMS (MARKED T.B.) REFER TO 8 X 12 INCHES TIE BEAMS REINFORCED WITH 2 #5 TOP AND 2 #5 BOTT. TIE COLUMNS (MARKED T.C.) ARE 8 X 12 INCHES TIE COLUMNS REINFORCED WITH 4 #5 BARS AND #2 TIES SPACED AT 12 INCHES O.C.
  - 10.- REINFORCING BAR SPLICED, WHERE REQUIRED SHALL BE DETAILED AND MADE IN ACCORDANCE WITH AC-318-77.
  - 11.- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ORDINANCES.
  - 12.- ALL PRECAST PRESTRESSED UNITS TO BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH APPLICABLE ACI STANDARDS.

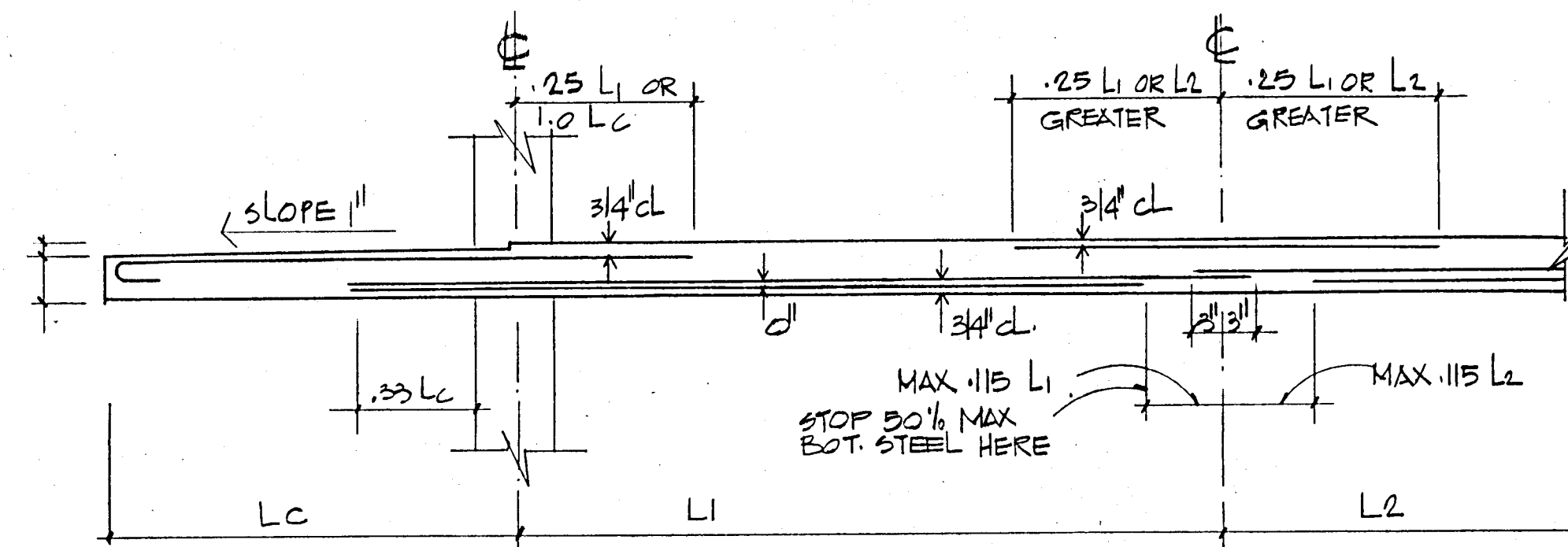
FLAT PLATE SECTIONS  
AND DETAILS  
NTS

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

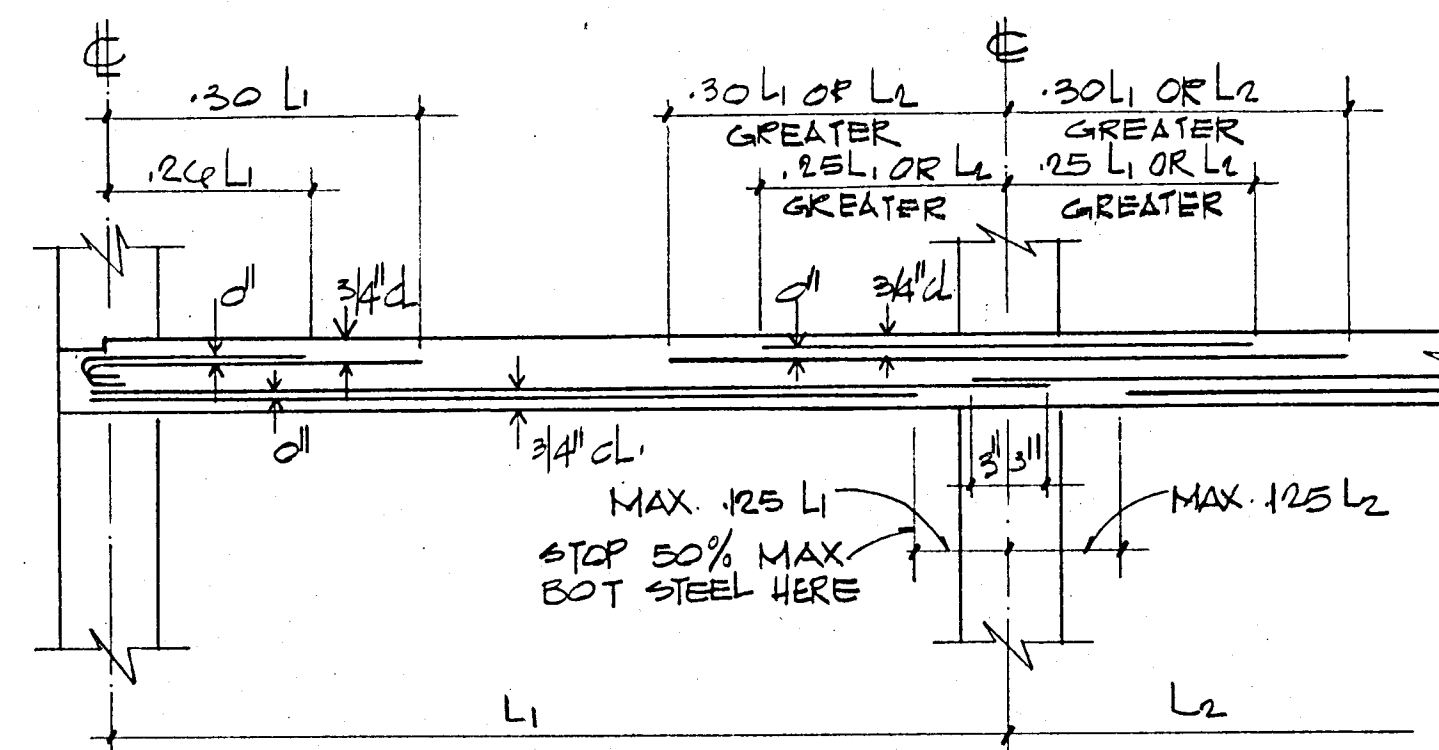
WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.  
128 S.E. 14th St.  
CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM  
COMM. NO. DATE 8/22/77 SHEET NO.  
REV. S11 OF 14



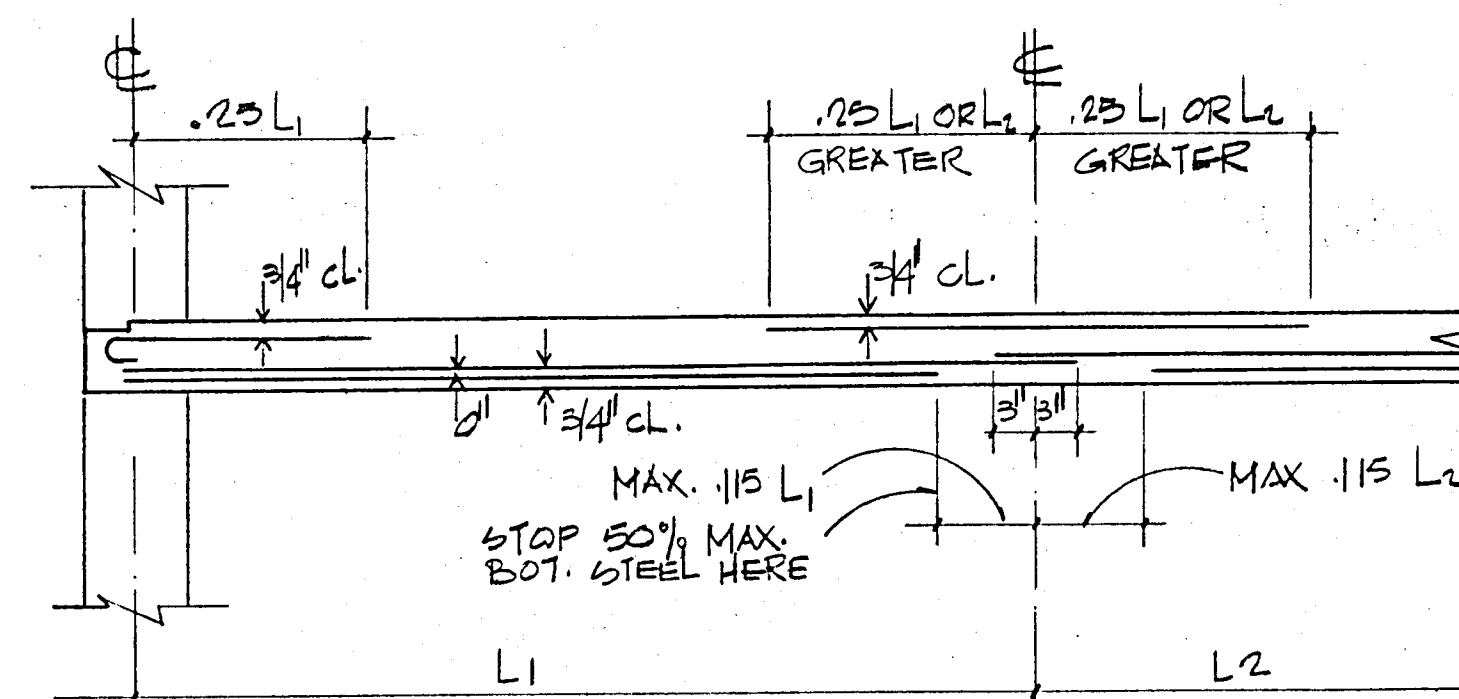
TYP COLUMN STRIP WITH CANTILEVER  
NTS



TYP MIDDLE STRIP WITH CANTILEVER  
NTS

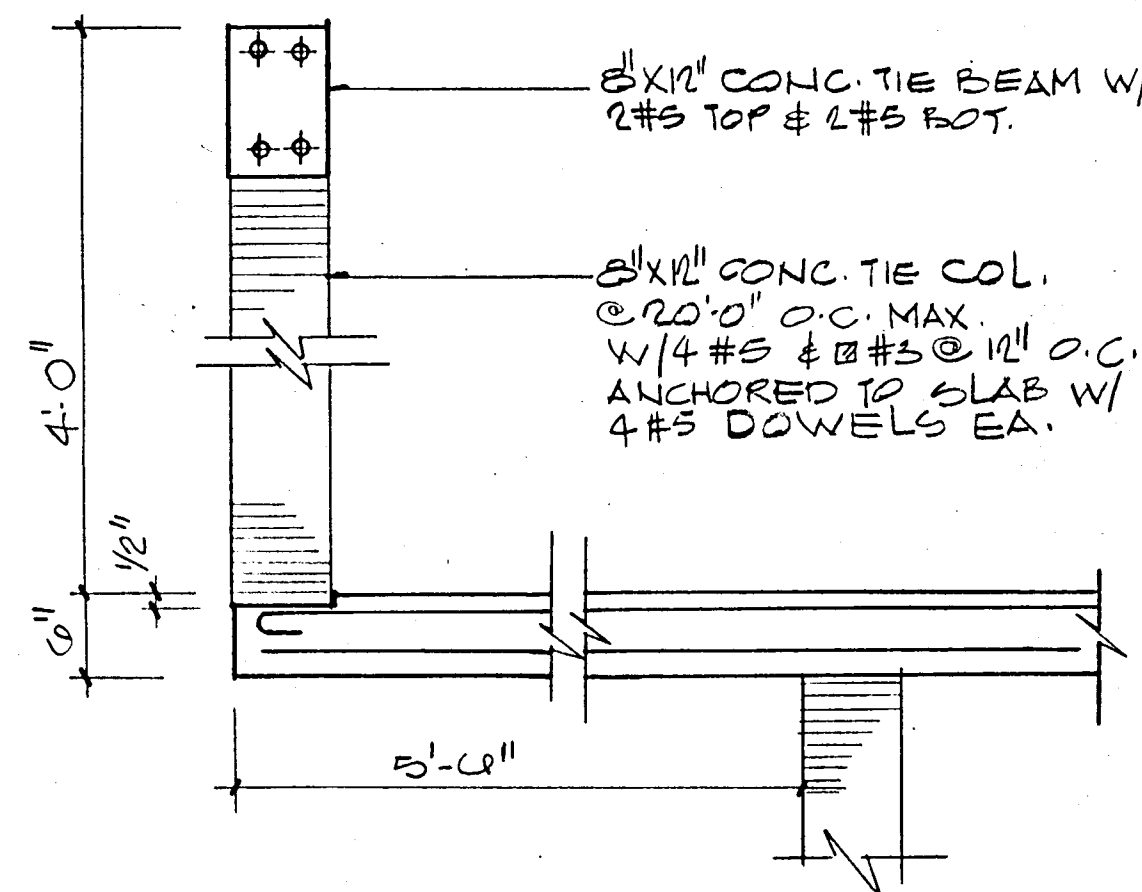


TYP COLUMN STRIP  
NTS

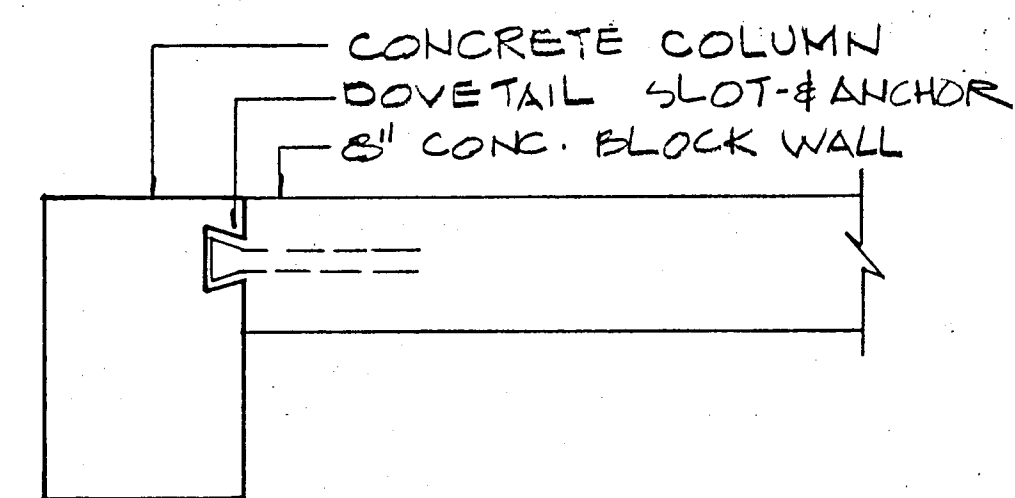


TYP MIDDLE STRIP  
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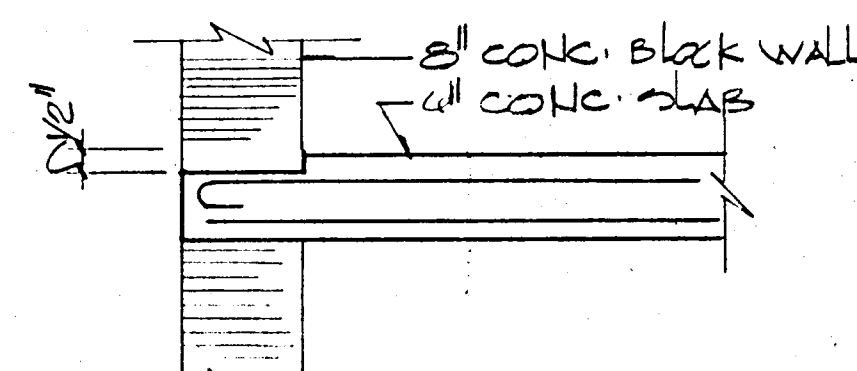
TYPICAL BAR DIAGRAM-FLAT SLABS  
(UNLESS OTHERWISE NOTED)



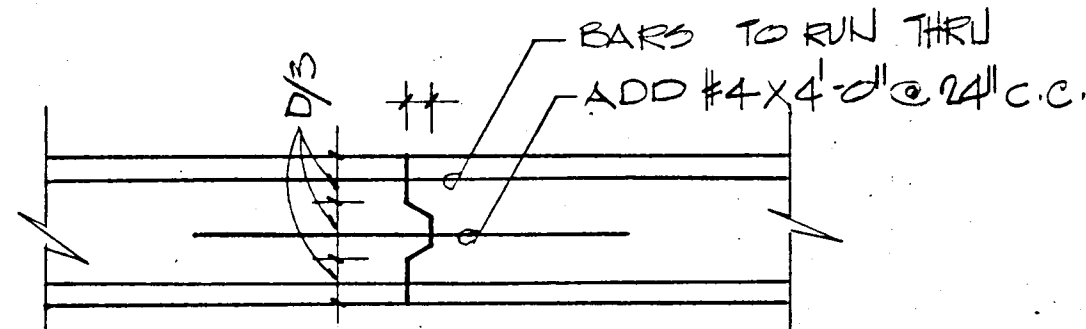
PARAPET DETAIL (TYPICAL)



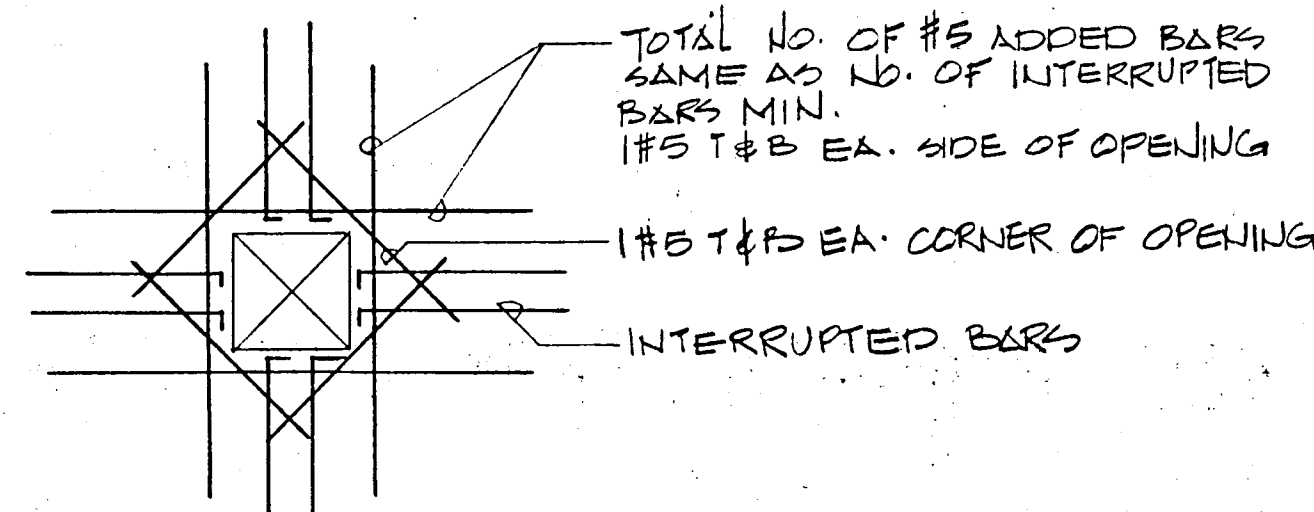
MASONRY ANCHORAGE DETAIL  
NTS



SLAB DEPRESSION  
AT EXTERIOR WALLS

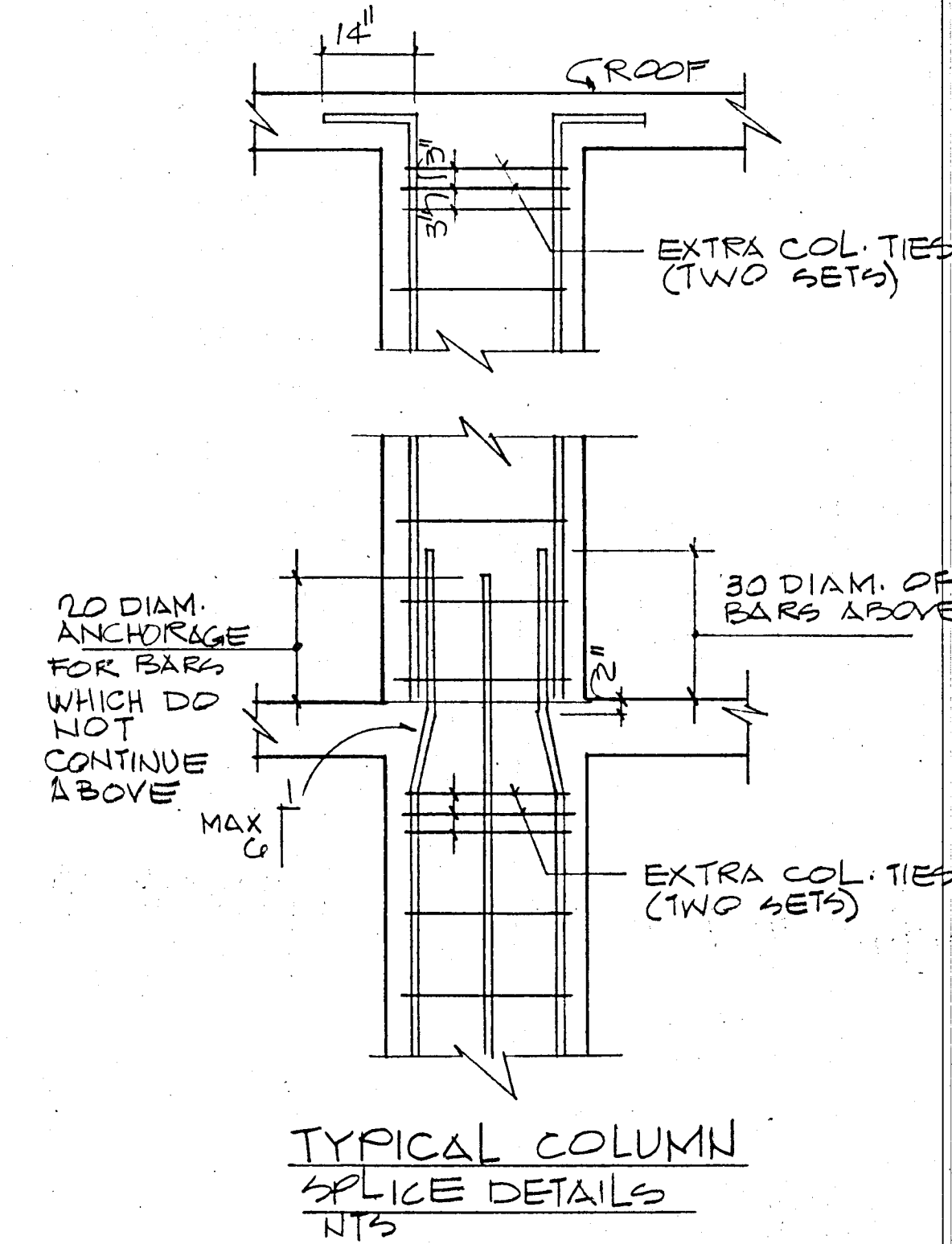


CONSTRUCTION JOINT DETAIL  
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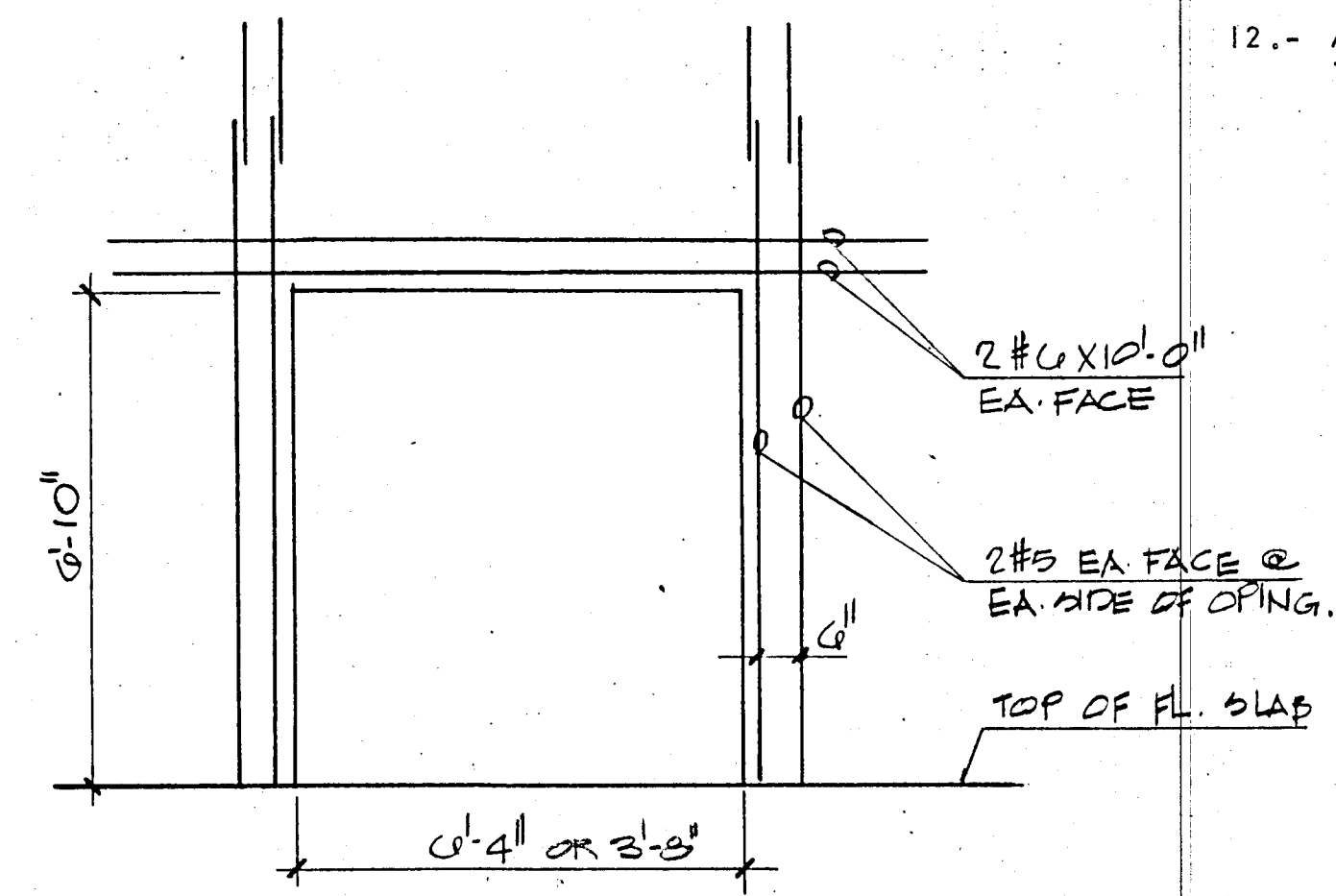


SLAB OPENING DET

FLAT PLATE SECTIONS  
AND DETAILS  
NTS



TYPICAL COLUMN  
SPlice DETAILS  
NTS



SECTION THRU DOOR OPENING  
AT SHEAR WALL

GENERAL STRUCTURAL NOTES:-

- 1.- CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-72 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW.
- 2.- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH WORK.
- 3.- ALL PILES TO BE 14" x 14" PRECAST CONCRETE DRIVEN TO 50 TONS.
- 4.- CONTRACTOR SHALL COORDINATE WITH ALL MECHANICAL & ELECTRICAL TRADES ALL SLAB OPENINGS & ELEVATOR DIMENSIONS. LOCATION OF OPENINGS IN SLAB IN EXCESS OF 8" SHOULD BE SUBMITTED TO A/E FOR APPROVAL.
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WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

133 S.E. 14<sup>TH</sup> LA.

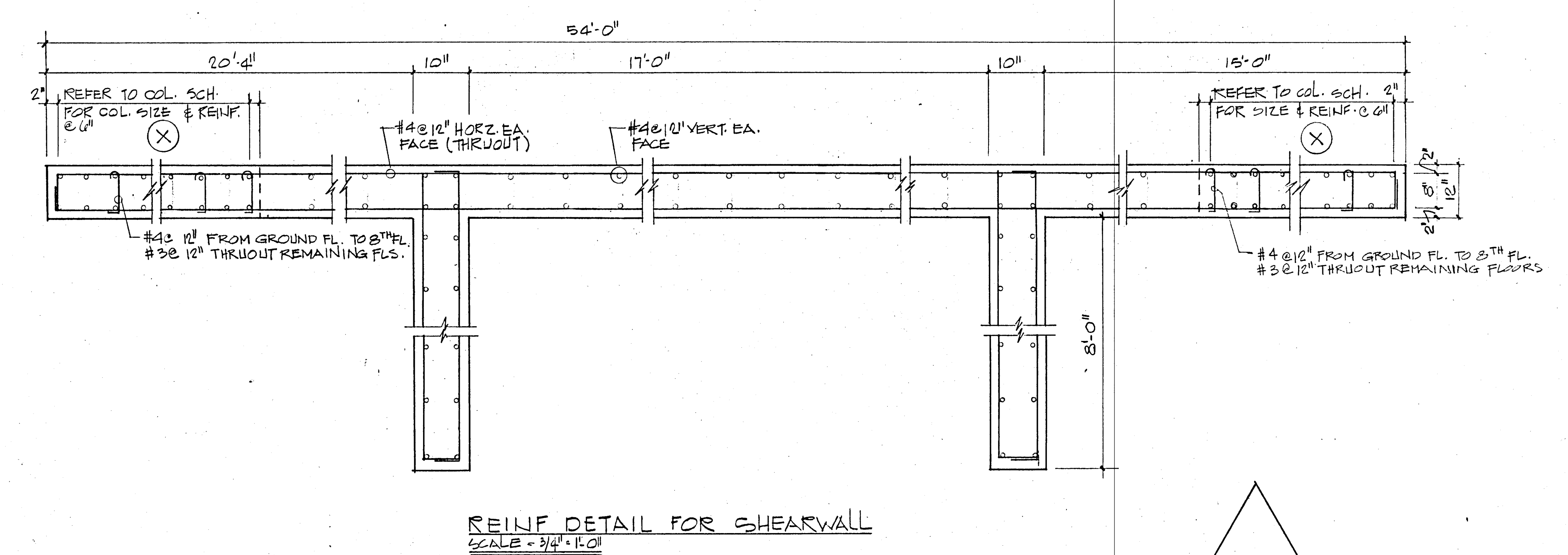
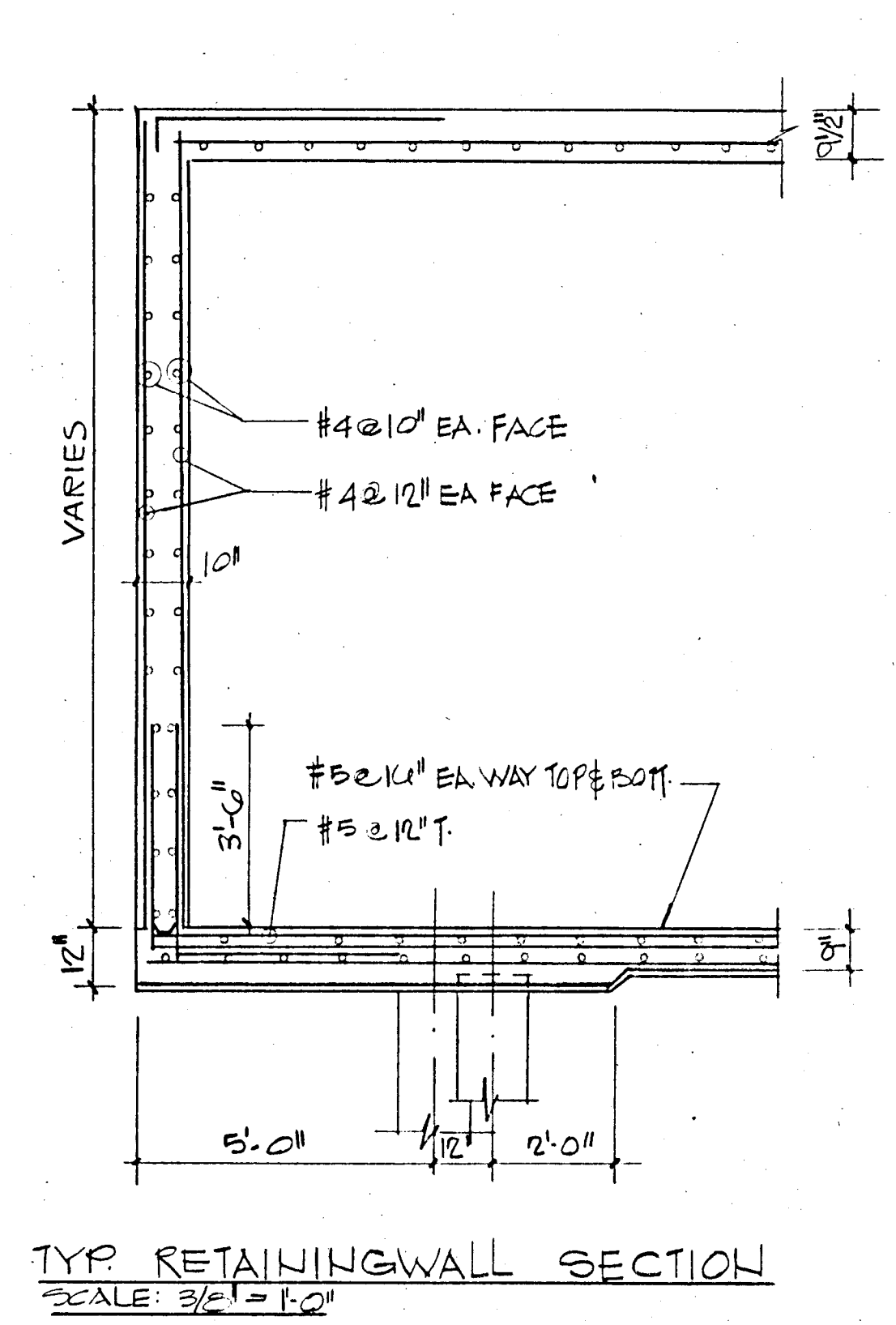
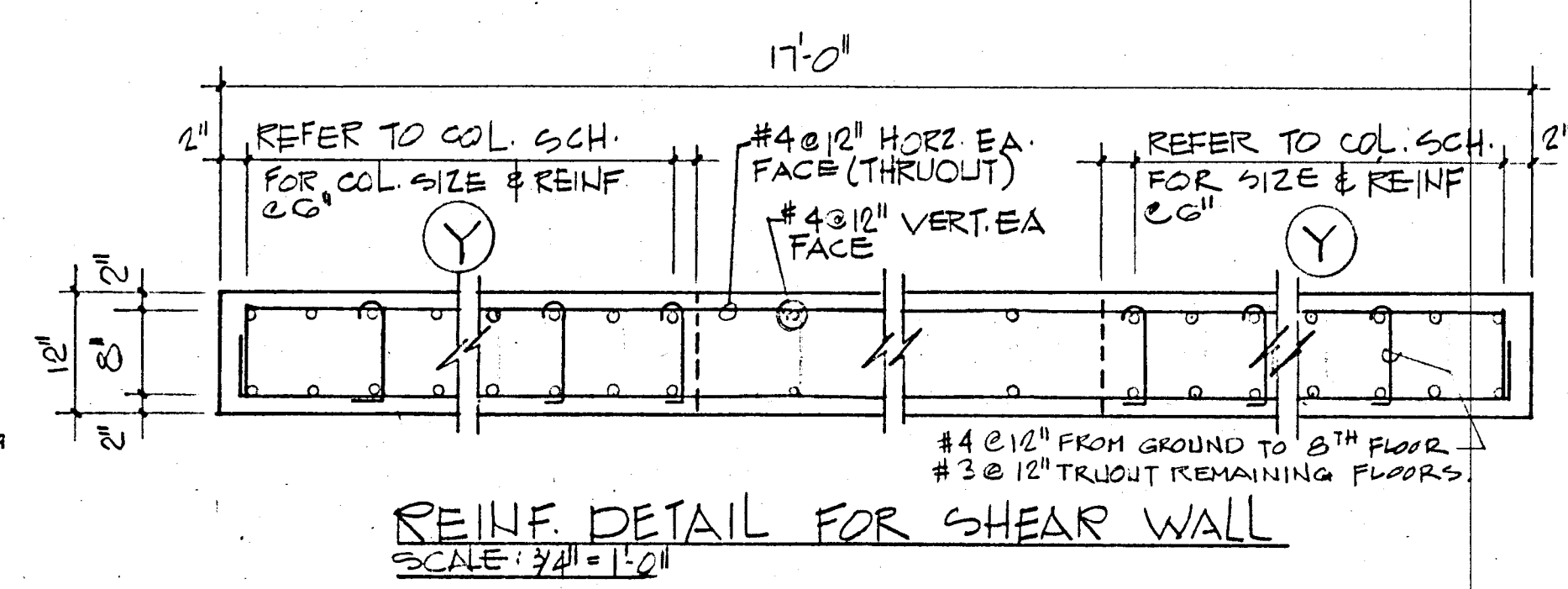
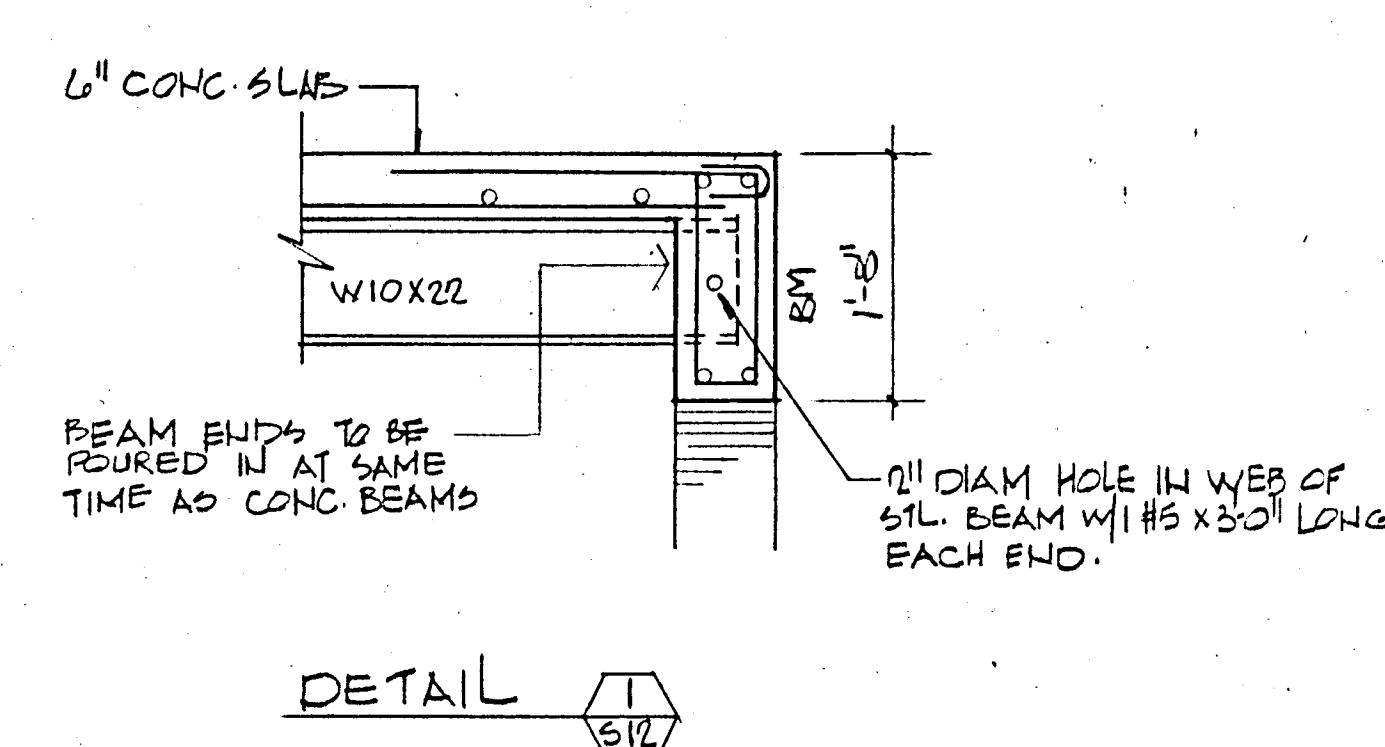
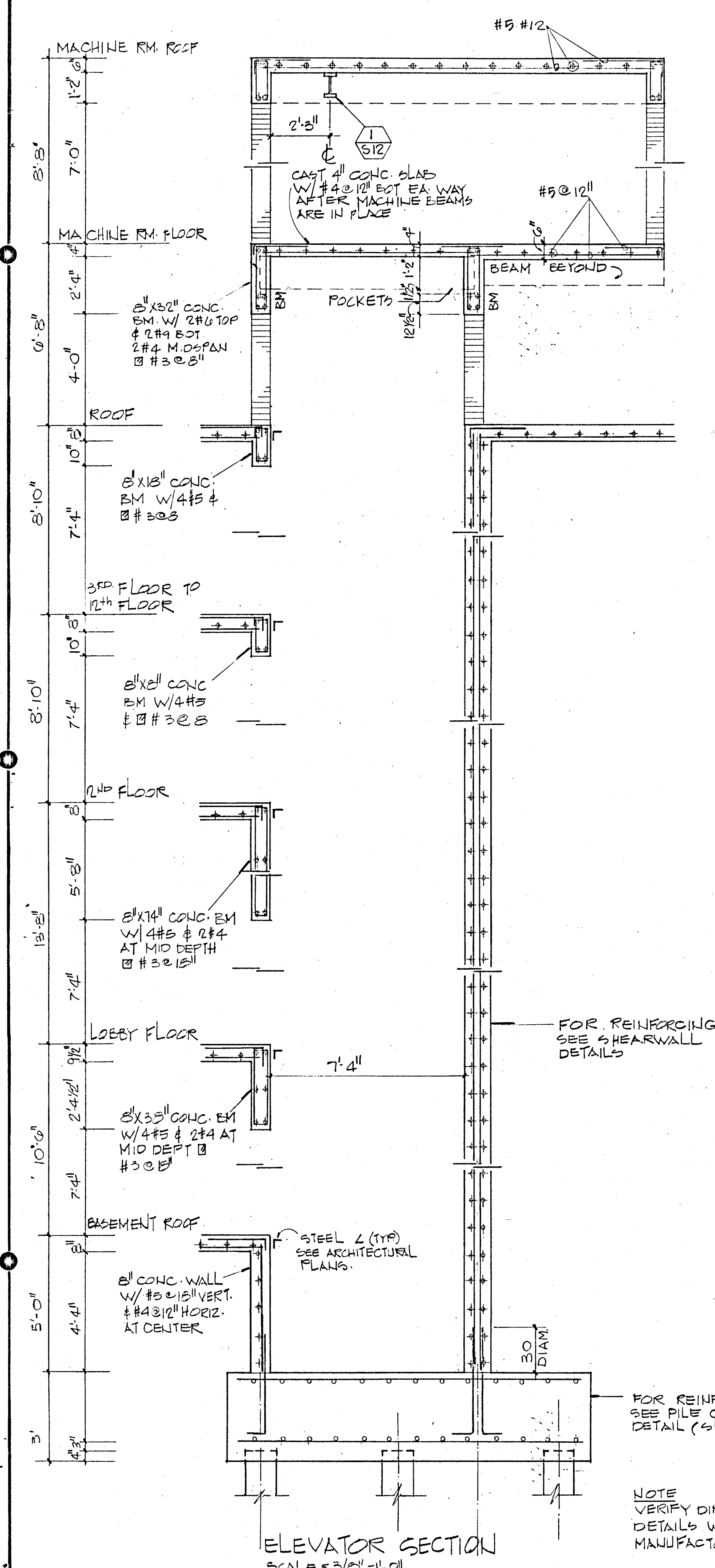
CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

COMM. NO. DATE 8/22/79 SHEET NO.

REV. 511 OF 14

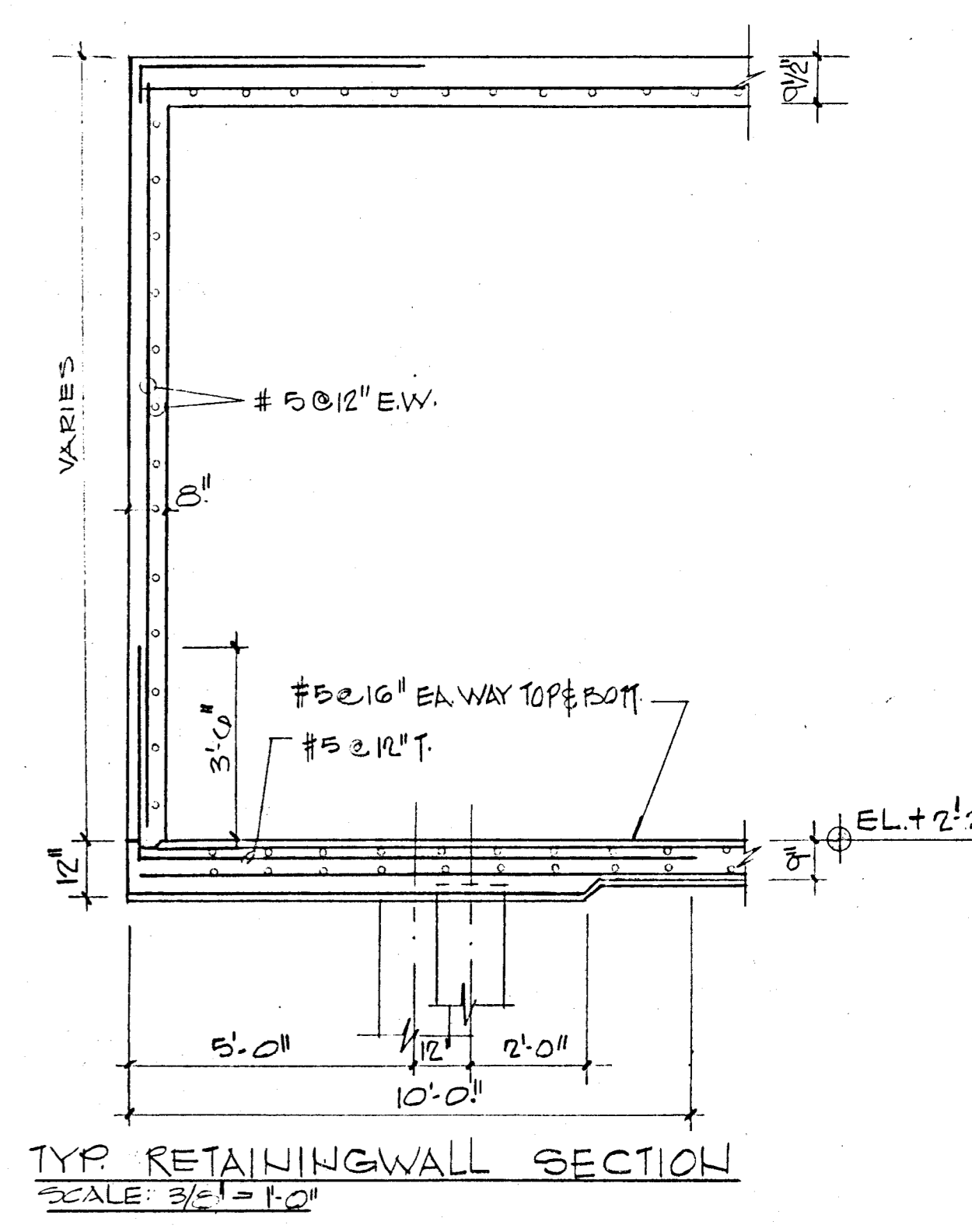
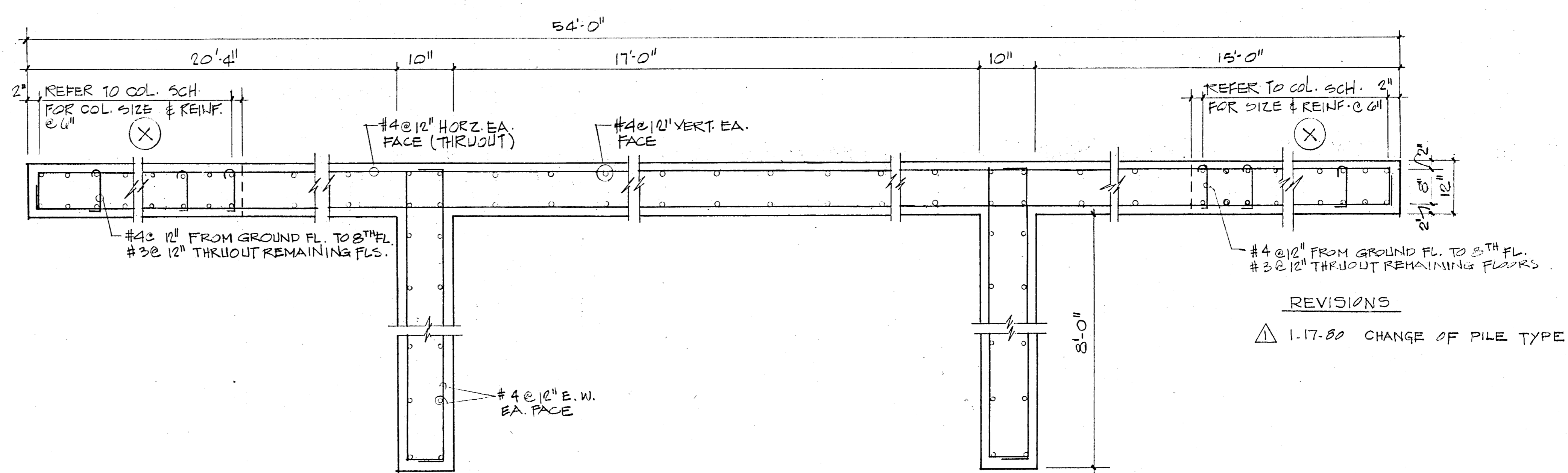
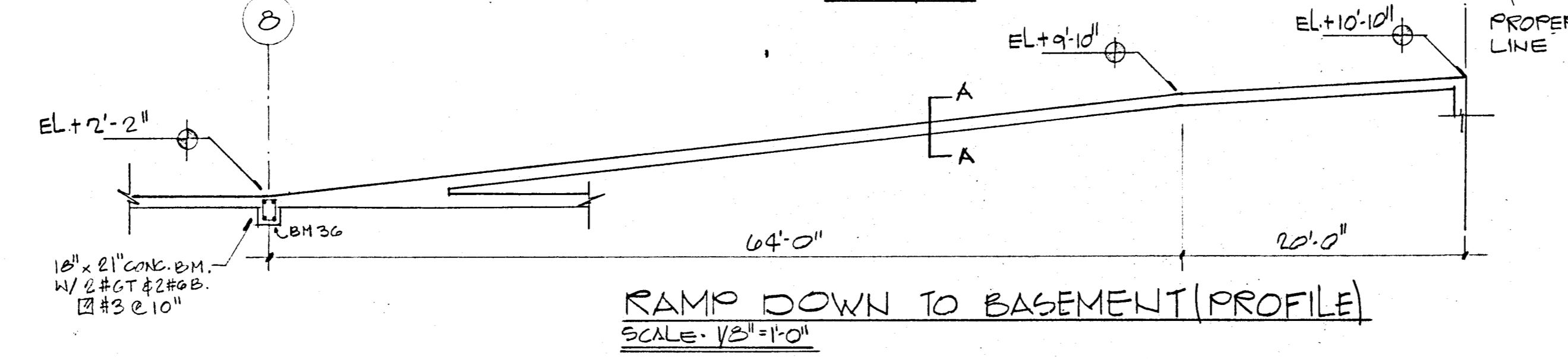
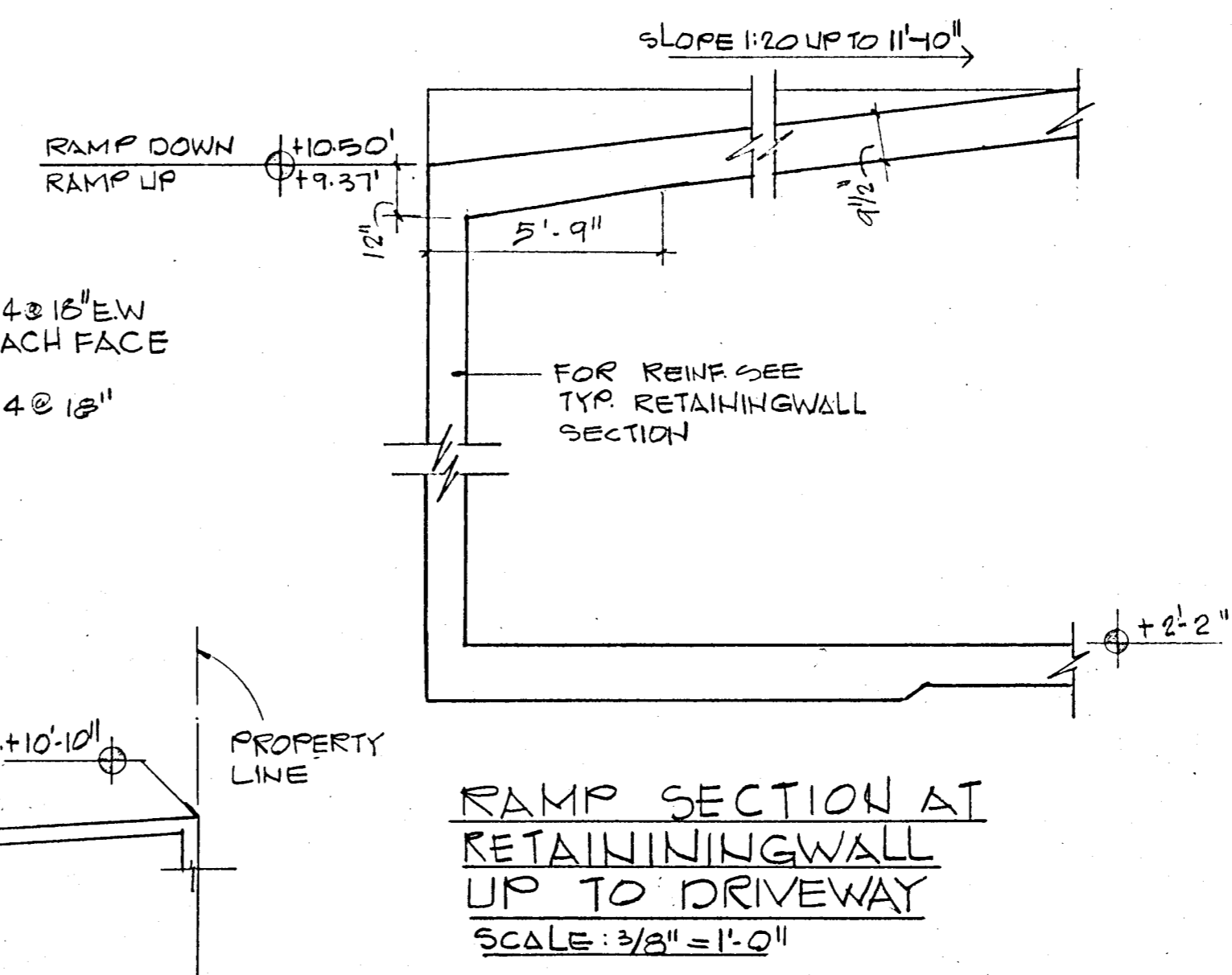
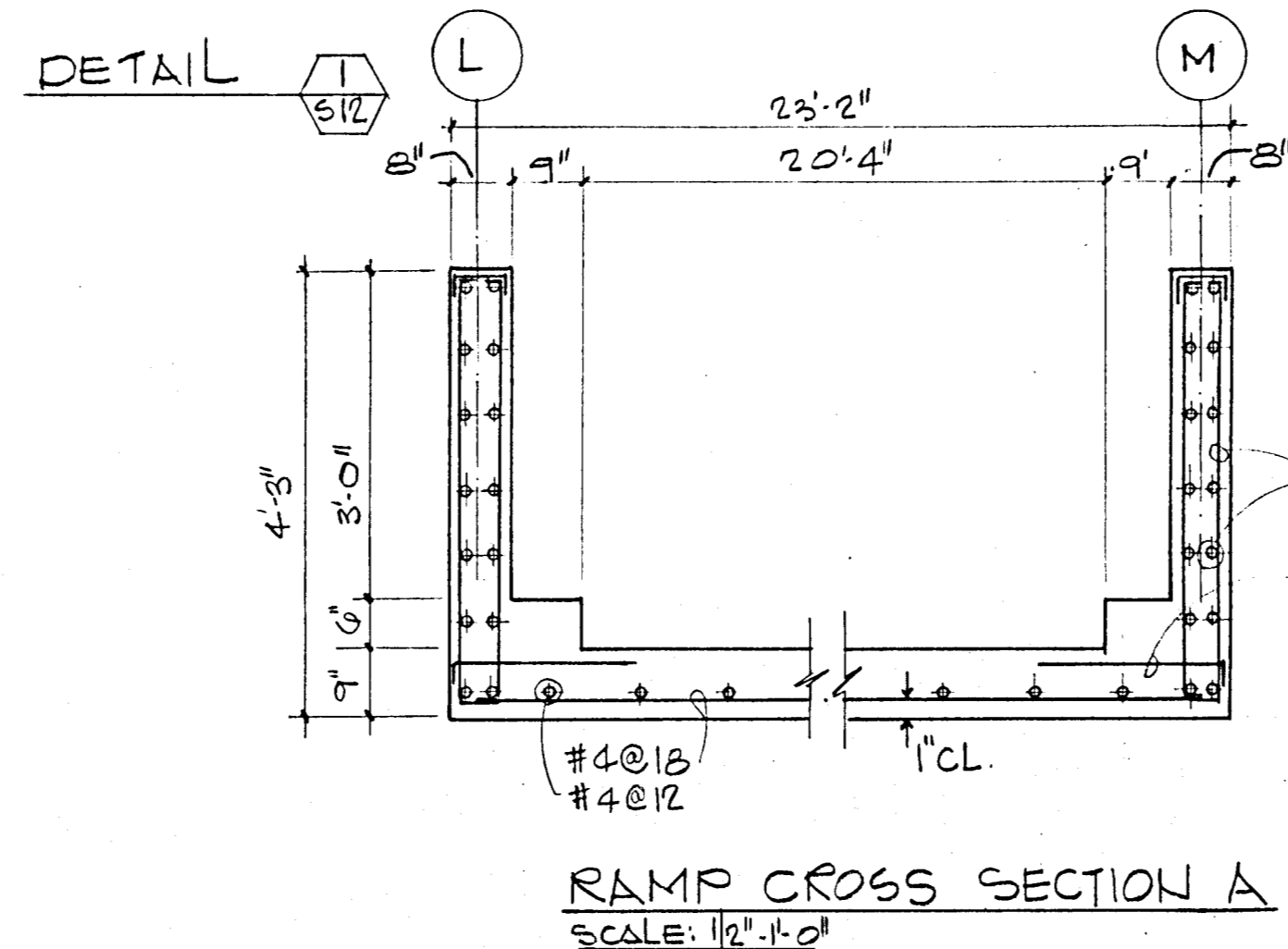
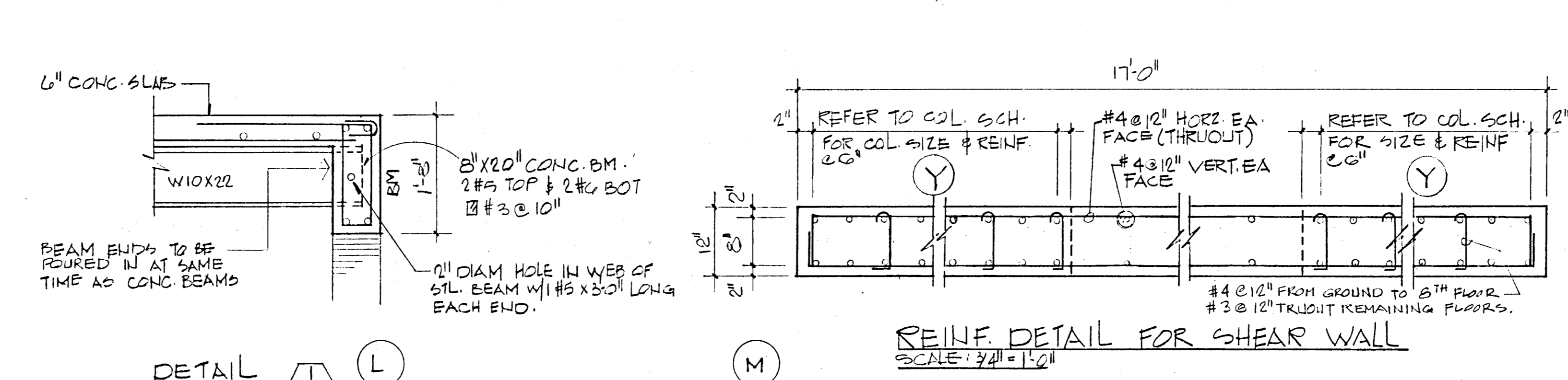
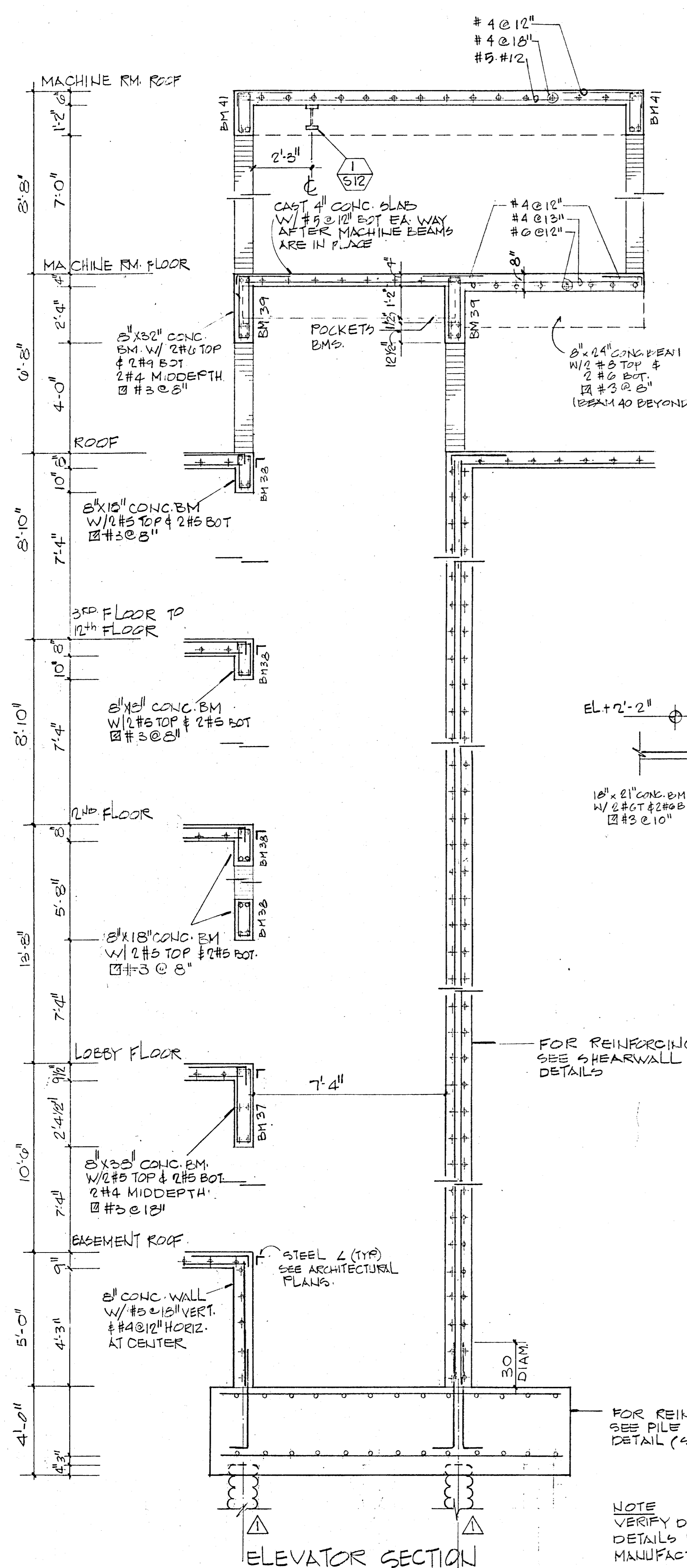
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CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146



PARTIAL SECTIONS PLAN  
SCALE = 3/4" = 1'-0"

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
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CHAMPLAIN TOWERS SOUTH		
A 35 UNIT CONDOMINIUM		
DATE	REV.	SHEET NO. 512 OF



ELEVATOR SECTION  
 SCALE: 3/8" = 1'-0"

NOTE  
 VERIFY DIMENSIONS AND  
 DETAILS WITH ELEVATOR  
 MANUFACTURER SPECIFICATIONS

PARTIAL SECTIONS PLAN  
 SCALE: 3/8" = 1'-0"

REVISIONS  
 Δ 1-17-80 CHANGE OF PILE TYPE

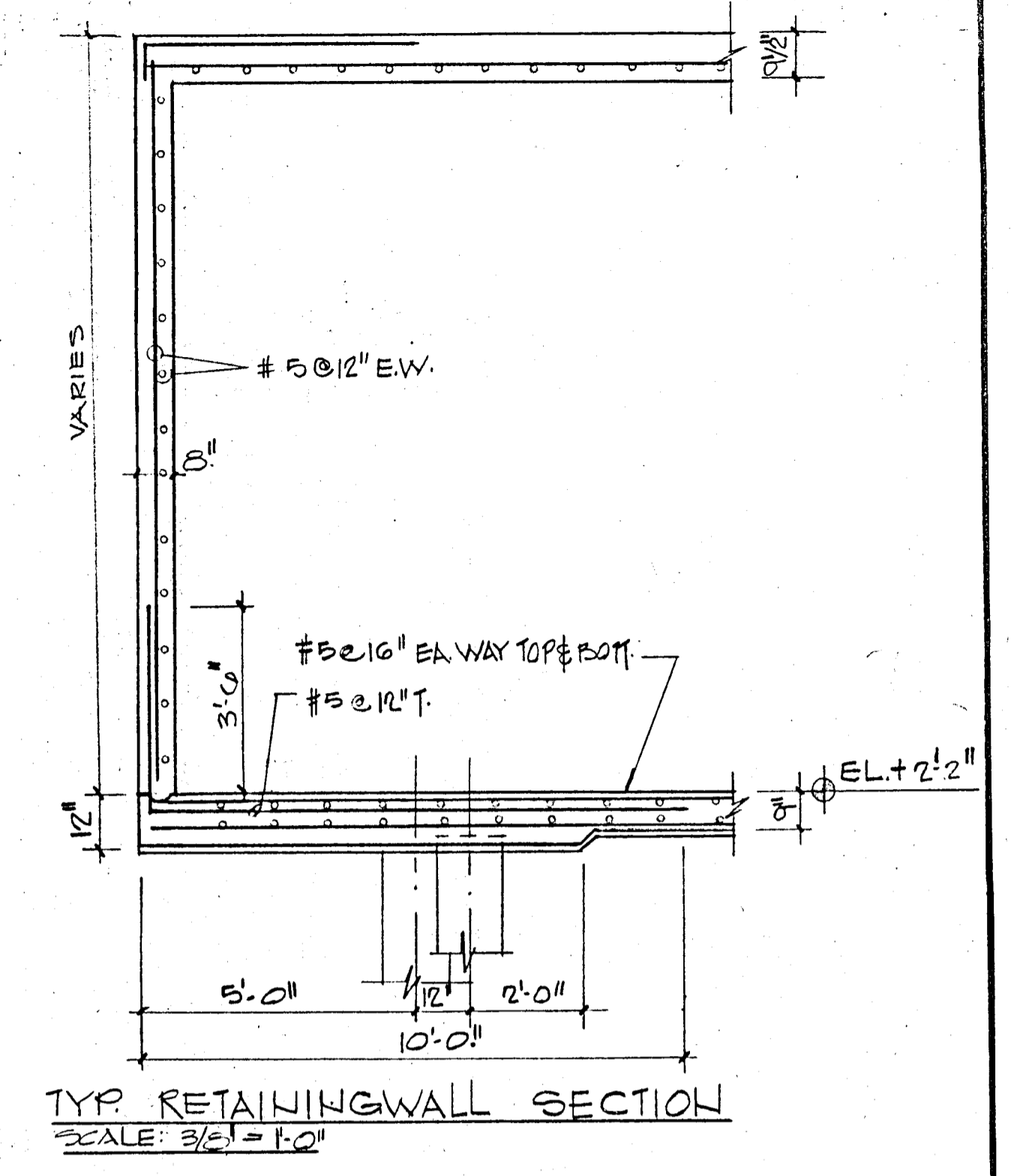
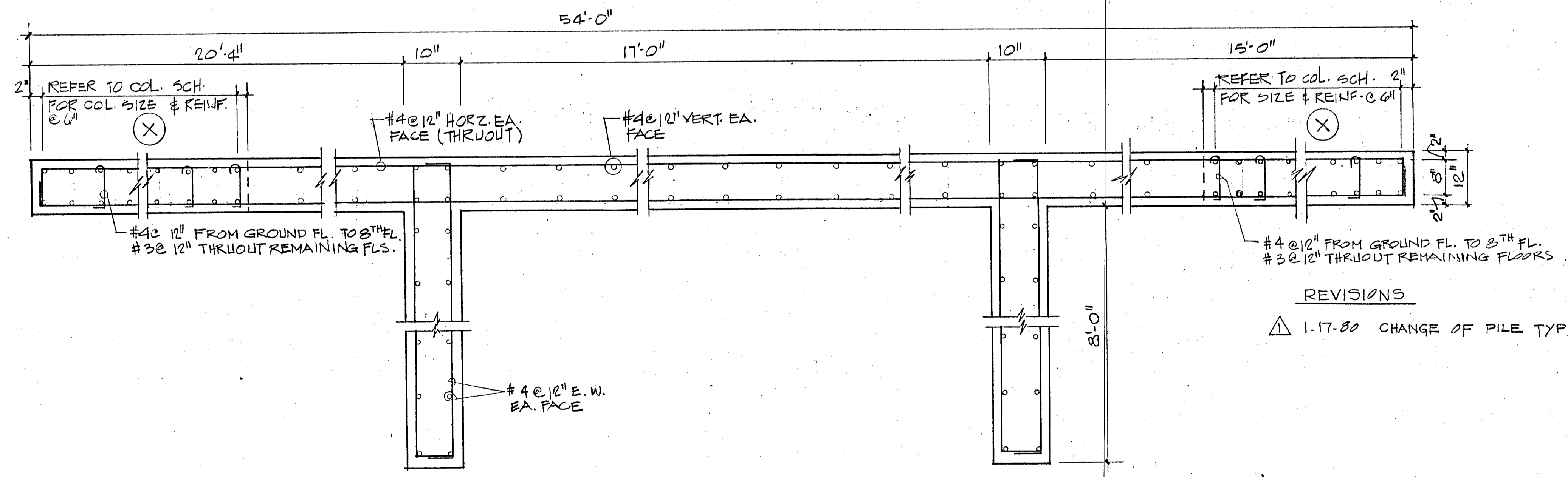
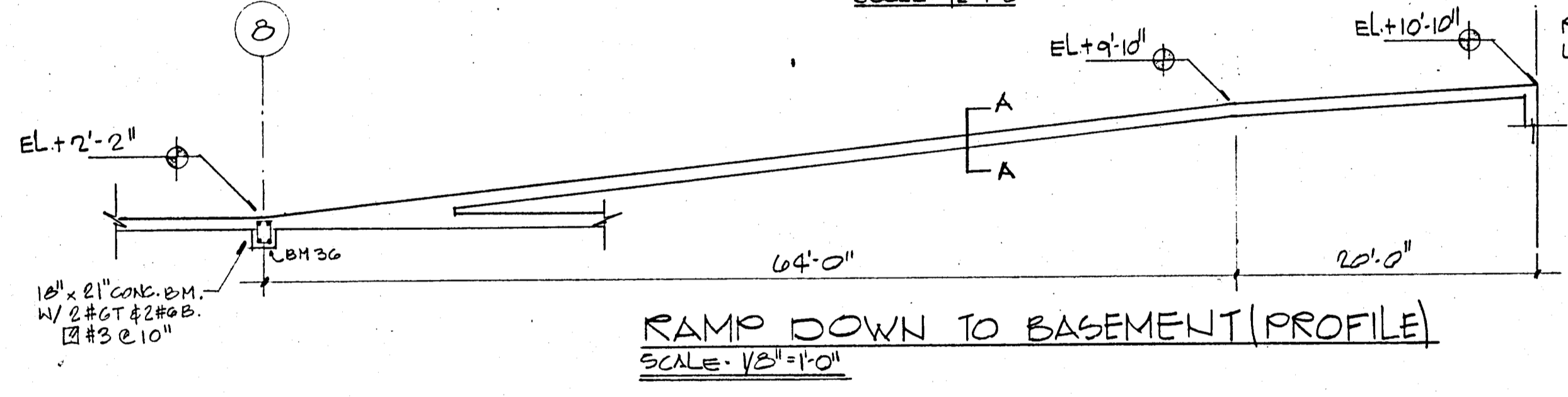
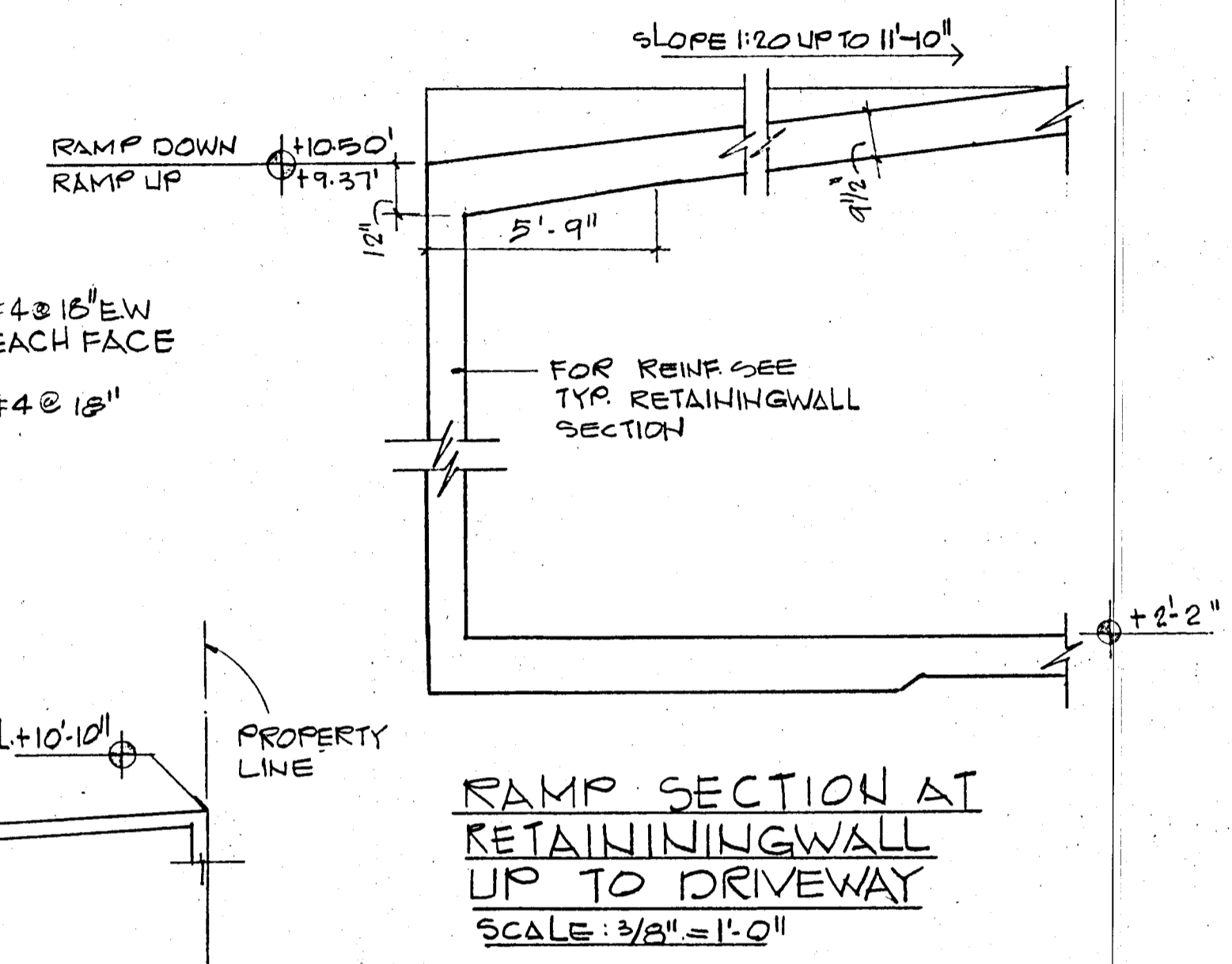
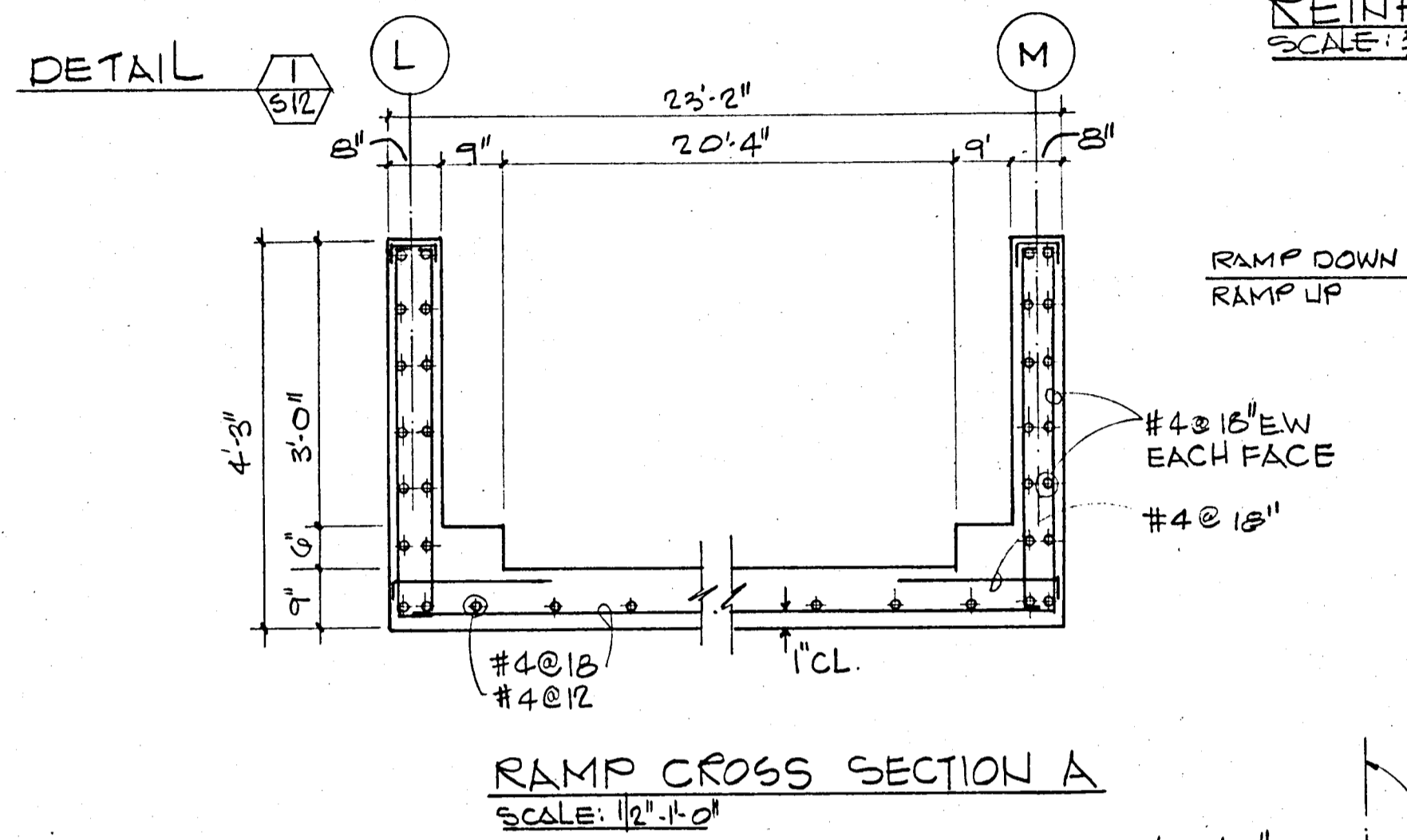
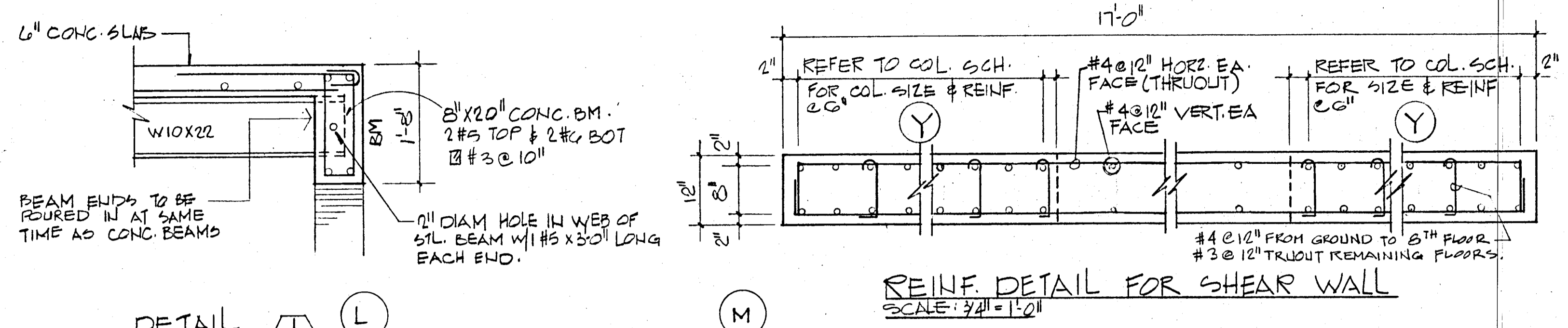
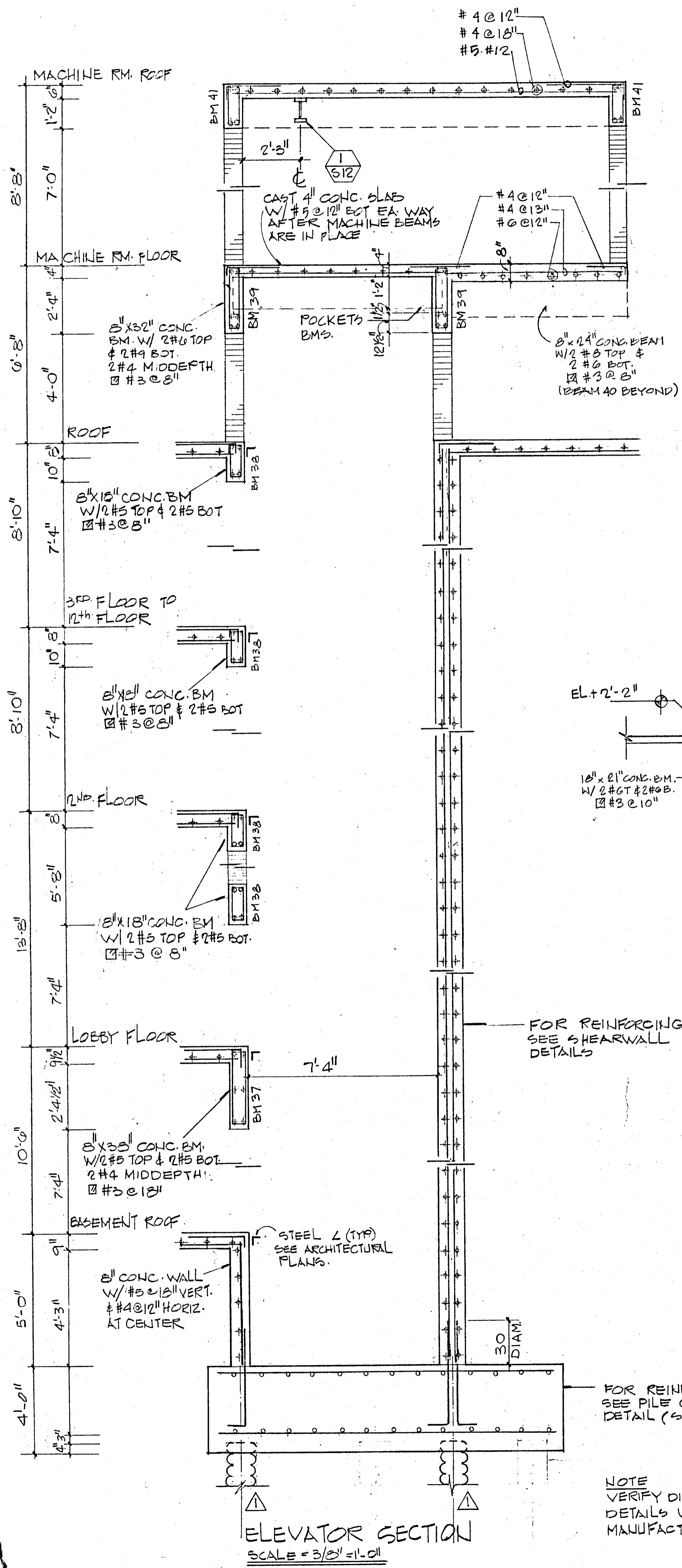
WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, INC.  
 135 S.E. 14th AVE.

CHAMPLAIN TOWERS SOUTH  
 A 135 UNIT CONDOMINIUM

COMM. NO.	DATE: 8/22/79	SHEET NO.
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BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146





**REVISIONS**

1-17-80 CHANGE OF PILE TYPE

WILLIAM M. FRIEDMAN & ASSOCIATES ARCHITECTS, INC.

**PARTIAL SECTIONS PLAN**  
SCALE: 3/8" = 1'-0"

BREITERMAN JURADO & ASSOCIATES CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

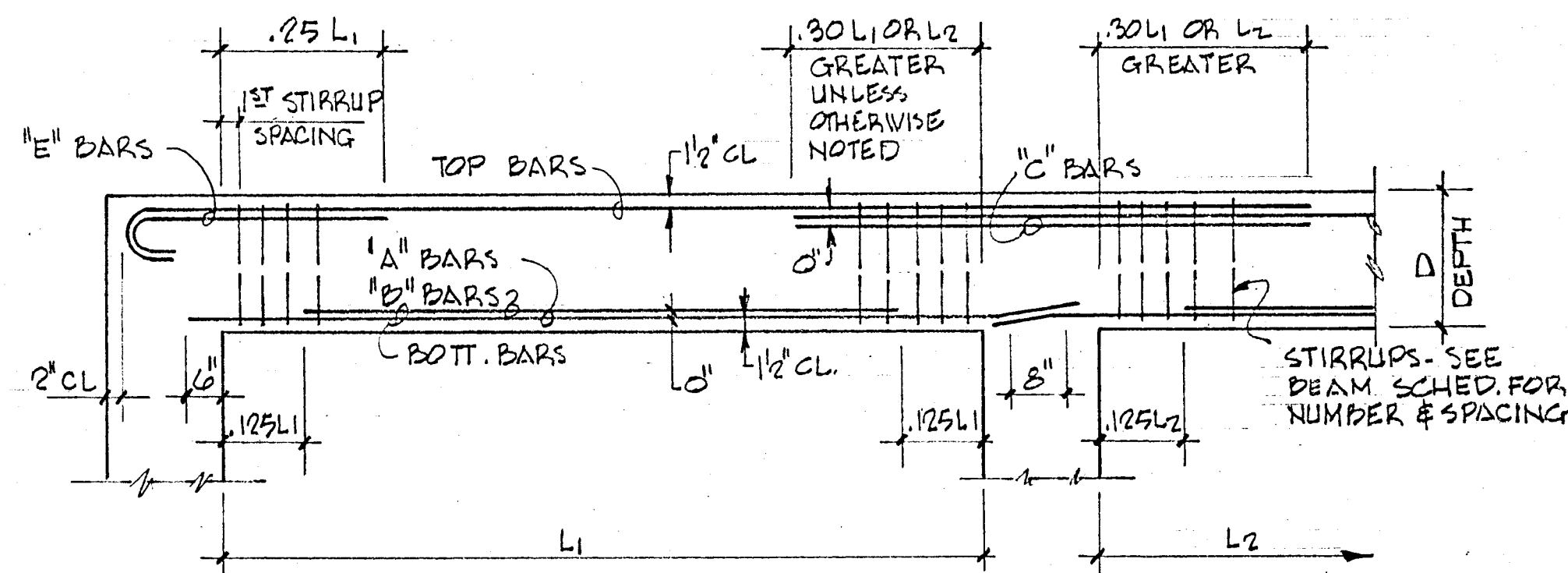
135 S.E. 14<sup>TH</sup> L.A.

**CHAMPLAIN TOWERS SOUTH**

A 135 UNIT CONDOMINIUM

COMM. NO.	DATE 8/22/79	SHEET NO.
REV.		512 of 14

NOTE VERIFY DIMENSIONS AND DETAILS WITH ELEVATOR MANUFACTURER SPECIFICATIONS



TYPICAL BAR PLACING BEAM DIAGRAM

BEAM SCHEDULE

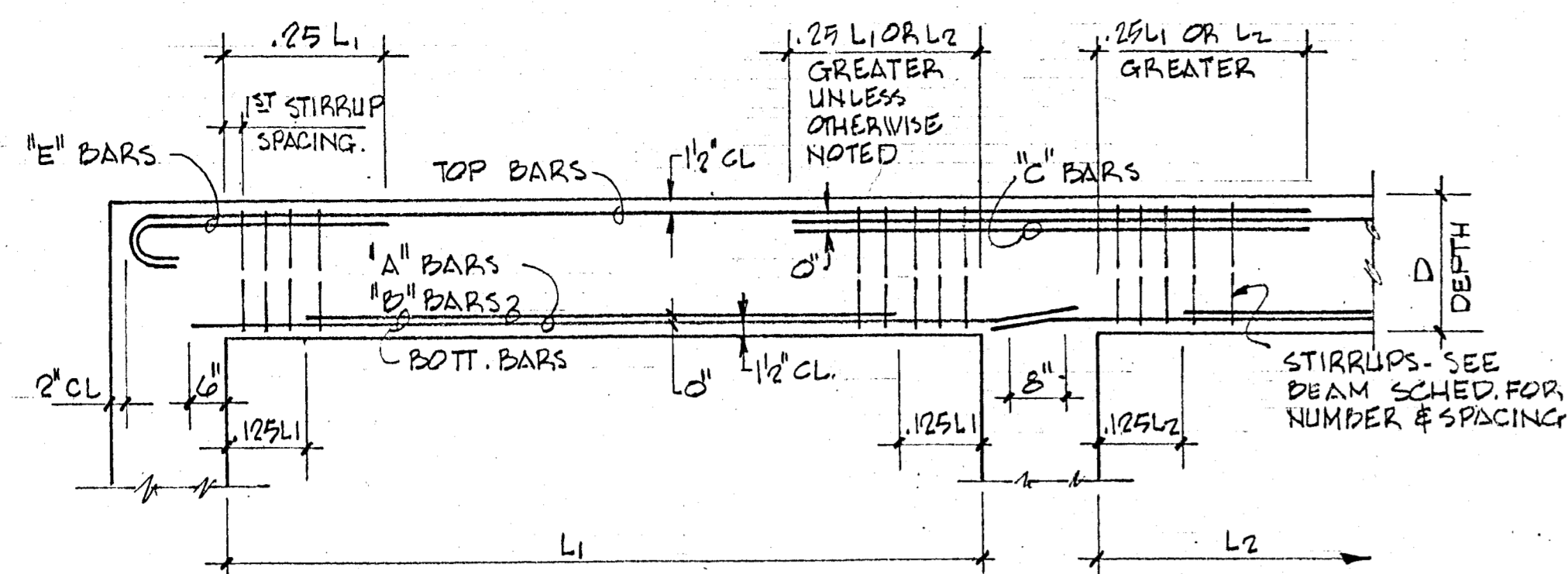
MARK	EL. BOTT. CONCRETE	SIZE D x D	LONGITUDINAL		"E" COL#	"C" COL#	STIRRUPS	REMARKS
			BOTT	TOP				
BM 1	+23'-6"	30" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 2		36" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 3			6 # 8	6 # 8	-		# 5 @ 18"	
BM 4			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 5			14 # 11	6 # 11		4 # 11	# 5 @ 6" THROUGH	
BM 6			* 12 # 11	6 # 11			# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 7			8 # 9	6 # 11			# 5 - 4 @ 6" 4 @ 6" REM. @ 18"	
BM 8			* 16 # 11	6 # 11			# 5 @ 6" T.O.	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 9			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 10		30" x 42"	8 # 9	6 # 9	2 # 9	4 # 10	# 5 @ 18"	
BM 11			10 # 10	6 # 10		4 # 10	# 5 - 8 @ 6" WEST END REM. @ 18"	
BM 12			10 # 11	6 # 10			# 5 - 10 @ 6" EE REM. @ 18"	
BM 13			8 # 9	6 # 10	2 # 10		# 5 @ 16"	
BM 14			8 # 9	* 6 # 9	4 # 10		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 15			8 # 9	* 6 # 9	4 # 9		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 16			10 # 10	6 # 10	2 # 10		# 5 - 6 @ 6" EAST END REM. @ 18"	
BM 17		36" x 42"	* 16 # 11	6 # 11	2 # 11		# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 18			8 # 10	6 # 11			# 5 @ 18"	
BM 19			* 12 # 11	6 # 11		4 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 20			* 12 # 11	6 # 11		2 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 21			* 14 # 11	6 # 11			# 5 - 8 @ 6" SOUTH END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 22			8 # 10	6 # 8	2 # 8		# 5 @ 18"	
BM 23			8 # 10	* 4 # 11		6 # 11	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 24			8 # 10	* 4 # 11		4 # 8	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 25			* 12 # 11	6 # 11		2 # 11	# 5 - 6 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 26			* 16 # 11	6 # 11		2 # 11	# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 27			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 28			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 29			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 30			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 31			* 14 # 11	6 # 10	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 32	+23'-6"		* 14 # 11	6 # 10	2 # 10		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 33	+9'-10"	24" x 42"						
BM 34								
BM 35	+9'-10"							

BEAM SCHEDULE

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM

COMM. No.	DATE	SHEET No.
REV.		513 OF



TYPICAL BAR PLACING BEAM DIAGRAM

BEAM SCHEDULE

MARK	EL. BOTT. CONCRETE	SIZE B x D	LONGITUDINAL		"E" COL.#	"C" COL.#	STIRRUPS	REMARKS
			BOTT	TOP				
BM 1	+23'-6"	30" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 2		36" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 3			6 # 8	6 # 8	-		# 3 @ 18"	
BM 4			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 5			14 # 11	6 # 11		4 # 11	# 5 @ 6" THROUGH	
BM 6			* 12 # 11	6 # 11			# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 7			8 # 9	6 # 11			# 5 - 4 @ 6" 4 @ 6" REMAINDER @ 18"	
BM 8			* 16 # 11	6 # 11			# 5 @ 6" T.O.	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 9			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 10		30" x 42"	8 # 9	6 # 9	2 # 9	4 # 10	# 5 @ 18"	
BM 11			10 # 10	6 # 10		4 # 10	# 5 - 8 @ 6" WEST END REMAINDER @ 18"	
BM 12			10 # 11	6 # 10			# 5 - 10 @ 6" EE REM. @ 18"	
BM 13			8 # 9	6 # 10	2 # 10		# 5 @ 16"	
BM 14			8 # 9	* 6 # 9	4 # 10		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 15			8 # 9	* 6 # 9	4 # 9		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 16			10 # 10	6 # 10	2 # 10		# 5 - 6 @ 6" EAST END REMAINDER @ 18"	
BM 17		36" x 42"	* 16 # 11	6 # 11	2 # 11		# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 18			8 # 10	6 # 11			# 5 @ 18"	
BM 19			* 12 # 11	6 # 11		4 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 20			* 12 # 11	6 # 11		2 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
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BM 22			8 # 10	6 # 8	2 # 8		# 5 @ 18"	
BM 23			8 # 10	* 4 # 11		6 # 11	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 24			8 # 10	* 4 # 11		4 # 8	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 25			* 12 # 11	6 # 11		2 # 11	# 5 - 6 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
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BM 28			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 29			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 30			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 31			* 14 # 11	6 # 10	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 32	+23'-6"		* 14 # 11	6 # 10	2 # 10		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 33	+9'-10"	24" x 42"	* 10 # 11	4 # 10			# 5 - 10 @ 6" EX. END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER
BM 34			* 10 # 11	4 # 10			# 5 - 10 @ 6" EX. END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER
BM 35	+9'-10"		* 12 # 11	4 # 10			# 5 @ 6" THROUGH	* 2 LAYERS - 6 BARS EA.
BM 36	+1'-1"	8" x 21"	2 # 6	2 # 6			# 3 @ 10"	
BM 37	+10'-2"	8" x 38"	2 # 5	2 # 5			# 3 @ 18"	ADD 2 # 4 AT MIDDEPTH
BM 38	VARIABLE	8" x 18"	2 # 5	2 # 5			# 3 @ 8"	
BM 39	+127'-7"	8" x 32"	2 # 9	2 # 6			# 3 @ 8"	ADD 2 # 4 AT MIDDEPTH
BM 40	+128'-10"	8" x 24"	2 # 6	2 # 8			# 3 @ 8"	
BM 41	+137'-10"	8" x 20"	2 # 6	2 # 5			# 3 @ 10"	
BM 42	+125'-8"	12" x 18"	3 # 7	2 # 7			# 3 @ 8"	

BEAM SCHEDULE

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

Wmf

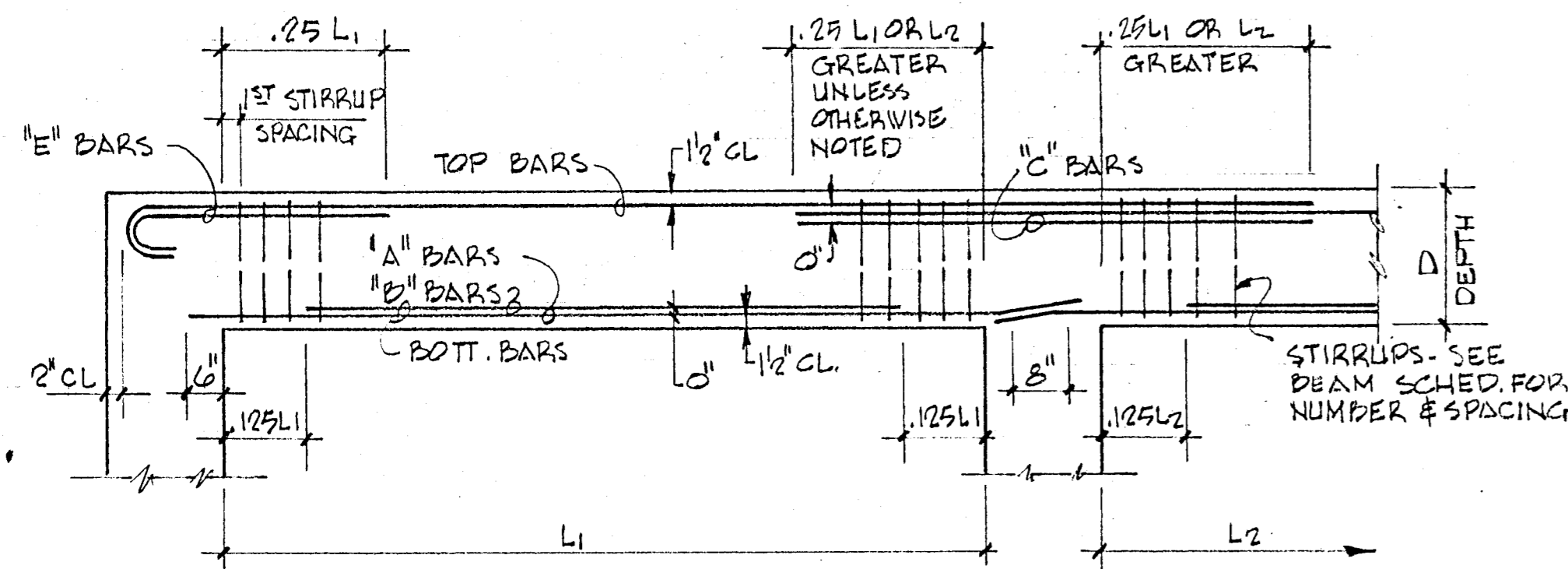
128 S.E. 14<sup>th</sup> LA.

CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

COMM. No. DATE 8/22/79 SHEET No.  
REV. S13 of 14

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146



TYPICAL BAR PLACING BEAM DIAGRAM

BEAM SCHEDULE

MARK	EL. BOTT. CONCRETE	SIZE B x D	LONGITUDINAL		"E" COL.#	STIRRUPS	REMARKS
			BOTT	TOP			
BM 1	+23'-6"	30" x 42"	6 #8	4 #3	2 #3 EE	#5 @ 18"	
BM 2		36" x 42"	6 #8	4 #5	2 #3 EE	#5 @ 18"	
BM 3			6 #8	6 #8	-	#5 @ 18"	
BM 4			8 #9	6 #9	2 #9	#5 @ 18"	
BM 5			14 #11	6 #11	4 #11	#5 @ 6" THROUGH	
BM 6			*12 #11	6 #11		#5 @ 6"	*2 LAYERS - 10 BARS IN OUTER LAYER
BM 7			8 #9	6 #11		#5-4 @ 5" 4 @ 6" REM. @ 18"	
BM 8			*16 #11	6 #11		#5 @ 6" T.O.	*2 LAYERS - 10 BARS IN OUTER LAYER
BM 9			8 #9	6 #9	2 #9	#5 @ 18"	
BM 10		30" x 42"	8 #9	6 #9	2 #9	4 #10	#5 @ 18"
BM 11			10 #10	6 #10		4 #10	#5-8 @ 6" WEST END REM. @ 18"
BM 12			10 #11	6 #10			#5-10 @ 6" EE REM. @ 18"
BM 13			8 #9	6 #10	2 #10		#5 @ 16"
BM 14			8 #9	*6 #9	4 #10		#5 @ 16" *CONTINUOUS TOP STEEL
BM 15			8 #9	*6 #9	4 #9		#5 @ 16" *CONTINUOUS TOP STEEL
BM 16			10 #10	6 #10	2 #10		#5-8 @ 6" EAST END REM. @ 18"
BM 17		36" x 42"	*16 #11	6 #11	2 #11		#5 @ 6" *2 LAYERS - 10 BARS IN OUTER LAYER
BM 18			8 #10	6 #11			#5 @ 18"
BM 19			*12 #11	6 #11	4 #11		#5 @ 6" *2 LAYERS - 10 BARS OUTER LAYER
BM 20			*12 #11	6 #11	2 #11		#5 @ 6" *2 LAYERS - 10 BARS OUTER LAYER
BM 21			*14 #11	6 #11			#5-8 @ 6" CONTR. END REM. @ 18"
BM 22			8 #10	6 #8	2 #8		#5 @ 18"
BM 23			8 #10	*4 #11	6 #11		#5 @ 18" *CONTINUOUS TOP STEEL
BM 24			8 #10	*4 #11	4 #8		#5 @ 18" *CONTINUOUS TOP STEEL
BM 25			*12 #11	6 #11	2 #11		#5-6 @ 6" EAST END REM. @ 18"
BM 26			*16 #11	6 #11	2 #11		#5-10 @ 6" EAST END REM. @ 18"
BM 27			*14 #11	6 #11	2 #10 EE		#5-10 @ 6" EAST END REM. @ 18"
BM 28			*14 #11	6 #11	2 #10 EE		#5-10 @ 6" EAST END REM. @ 18"
BM 29			*14 #11	6 #11	2 #10 EE		#5-10 @ 6" EAST END REM. @ 18"
BM 30			*14 #11	6 #11	2 #10 EE		#5-10 @ 6" EAST END REM. @ 18"
BM 31			*14 #11	6 #10	2 #10 EE		#5-10 @ 6" EAST END REM. @ 18"
BM 32	+23'-6"		*14 #11	6 #10	2 #10		#5-10 @ 6" EAST END REM. @ 18"
BM 33	+9'-10"	24" x 42"	*10 #11	4 #10			#5-10 @ 6" EAST END REM. @ 18"
BM 34			*10 #11	4 #10			#5-10 @ 6" EAST END REM. @ 18"
BM 35	+9'-10"		*12 #11	4 #10			#5 @ 8" THROUGH *2 LAYERS - 6 BARS EA.
BM 36	+1'-1"	8" x 21"	2 #6	2 #6			#3 @ 10"
BM 37	+10'-2"	8" x 38"	2 #5	2 #5			#3 @ 18" ADD 2 #4 AT MIDDEPTH
BM 38	VARIES	8" x 18"	2 #5	2 #5			#3 @ 8"
BM 39	+127'-7"	8" x 32"	2 #9	2 #6			#3 @ 8" ADD 2 #4 AT MIDDEPTH
BM 40	+128'-10"	8" x 24"	2 #6	2 #5			#3 @ 8"
BM 41	+137'-10"	8" x 24"	2 #6	2 #5			#3 @ 10"
BM 42	+125'-8"	12" x 18"	3 #7	2 #7			#3 @ 8"

BEAM SCHEDULE

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

Wmf

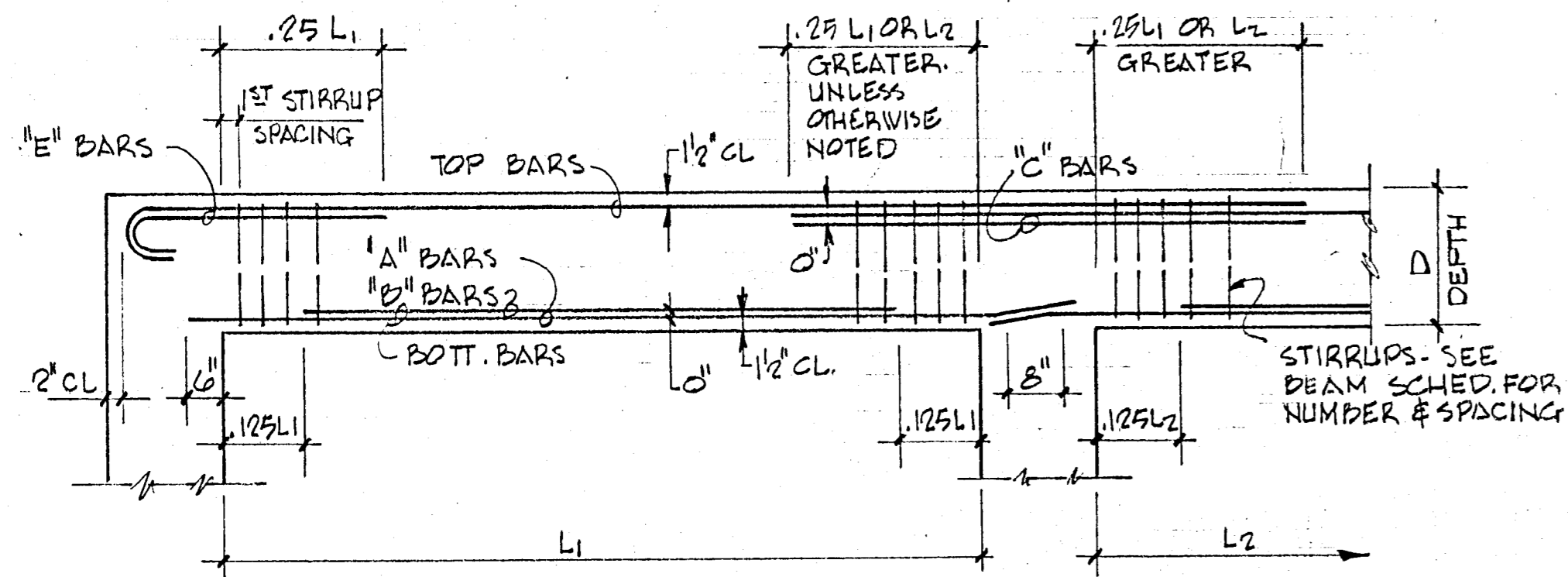
135 S.E. 14<sup>th</sup> L.A.

CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

COMM. No. DATE 8/22/79 SHEET No. 513 of 14  
REV.



TYPICAL BAR PLACING BEAM DIAGRAM

BEAM SCHEDULE

MARK	EL. BOTT. CONCRETE	SIZE B x D	LONGITUDINAL		"E" COL#	"C" COL#	STIRRUPS	REMARKS	
			BOTT	TOP					
BH 1	+23'-6"	30" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"		
BH 2		36" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"		
BH 3			6 # 8	6 # 8	-		# 5 @ 18"		
BH 4			8 # 9	6 # 9	2 # 9		# 5 @ 18"		
BH 5			14 # 11	6 # 11		4 # 11	# 5 @ 6" THROUGH		
BH 6			* 12 # 11	6 # 11			# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER	
BH 7			8 # 9	6 # 11			# 5 - 4 @ 6" 4 @ 6" REM. @ 18"		
BH 8			* 16 # 11	6 # 11			# 5 @ 6" T.O.	* 2 LAYERS - 10 BARS IN OUTER LAYER	
BH 9			8 # 9	6 # 9	2 # 9		# 5 @ 18"		
BH 10		30" x 42"	8 # 9	6 # 9	2 # 9	4 # 10	# 5 @ 18"		
BH 11			10 # 10	6 # 10		4 # 10	# 5 - 8 @ 6" WEST END REM. @ 18"		
BH 12			10 # 11	6 # 10			# 5 - 10 @ 6" EE REM. @ 18"		
BH 13			8 # 9	6 # 10	2 # 10		# 5 @ 16"		
BH 14			8 # 9	* 6 # 9	4 # 10		# 5 @ 16"	* CONTINUOUS TOP STEEL	
BH 15			8 # 9	* 6 # 9	4 # 9		# 5 @ 16"	* CONTINUOUS TOP STEEL	
BH 16			DELETE						
BH 17		36" x 42"	* 16 # 11	6 # 11	2 # 11		# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER	
BH 18			8 # 10	6 # 11			# 5 @ 18"		
BH 19			* 12 # 11	6 # 11		4 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 20			* 12 # 11	6 # 11		2 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 21			* 14 # 11	6 # 11			# 5 - 8 @ 6" SOUTH END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 22			8 # 10	6 # 8	2 # 8		# 5 @ 18"		
BH 23			8 # 10	* 4 # 11		6 # 11	# 5 @ 18"	* CONTINUOUS TOP STEEL	
BH 24			8 # 10	* 4 # 11		4 # 8	# 5 @ 18"	* CONTINUOUS TOP STEEL	
BH 25			* 12 # 11	6 # 11		2 # 11	# 5 - 6 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 26			* 16 # 11	6 # 11		2 # 11	# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 27			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 28			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 29			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 30			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 31			* 14 # 11	6 # 10	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 32	+23'-6"		* 14 # 11	6 # 10	2 # 10		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER	
BH 33	+9'-10"	24" x 42"	* 10 # 11	4 # 10			# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER	
BH 34			* 10 # 11	4 # 10			# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER	
BH 35	+9'-10"		* 12 # 11	4 # 10			# 5 @ 6" THROUGH	* 2 LAYERS - 6 BARS EA.	
BH 36	+1'-1"	8" x 21"	2 # 6	2 # 6			# 3 @ 10"		
BH 37	+10'-2"	8" x 38"	2 # 5	2 # 5			# 3 @ 18"	ADD 2 # 4 AT MIDDEPTH#	
BH 38	VARIABLE	8" x 18"	2 # 5	2 # 5			# 3 @ 8"		
BH 39	+127'-7"	8" x 32"	2 # 9	2 # 6			# 3 @ 8"	ADD 2 # 4 AT MIDDEPTH#	
BH 40	+128'-10"	8" x 24"	2 # 6	2 # 5			# 3 @ 8"		
BH 41	+137'-10"	8" x 20"	2 # 6	2 # 5			# 3 @ 10"		
BH 42	+125'-8"	12" x 18"	3 # 7	2 # 7			# 3 @ 8"		

BEAM SCHEDULE

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

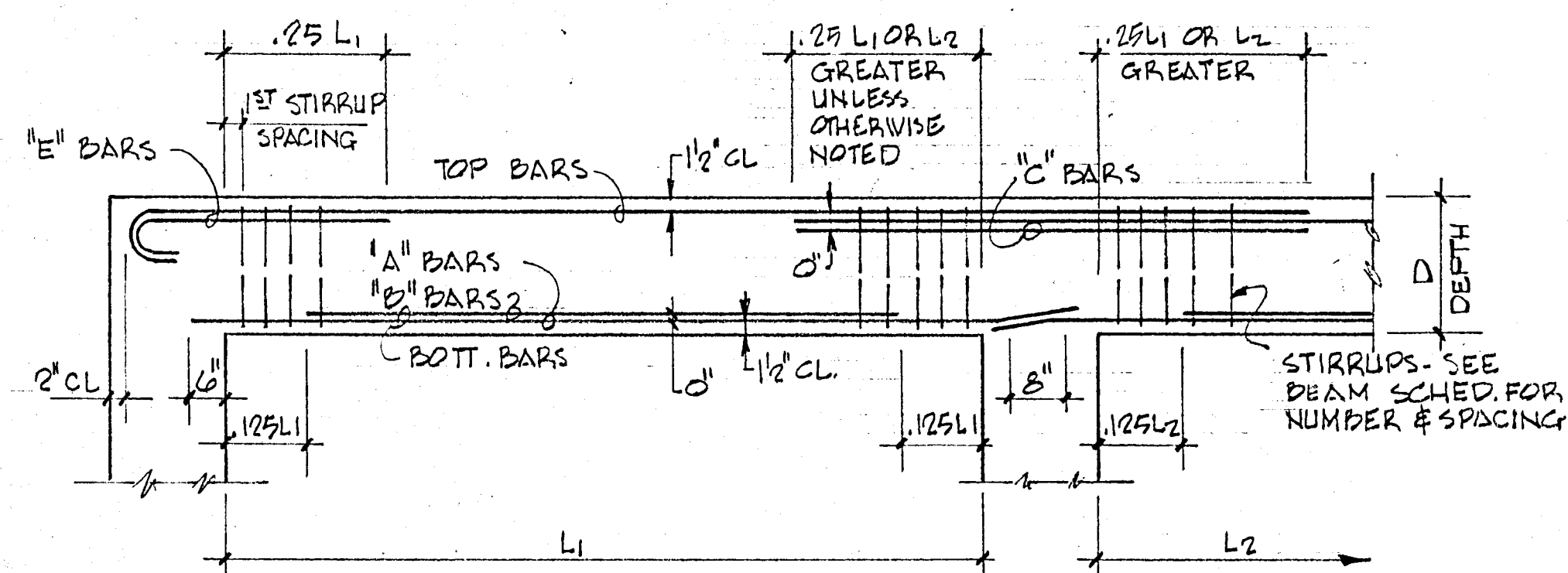
125 S.E. 14<sup>th</sup> L.A.

CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

COMM. No. DATE 8/22/79 SHEET No. 513 of 14  
REV.



TYPICAL BAR PLACING BEAM DIAGRAM

BEAM SCHEDULE

MARK	EL. BOT. CONCRETE	SIZE B x D	LONGITUDINAL		"E" COL.#	"C" COL.#	STIRRUPS	REMARKS
			BOTT	TOP				
BM 1	+23'-6"	30" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 2		36" x 42"	6 # 8	4 # 8	2 # 8 EE		# 5 @ 18"	
BM 3			6 # 8	6 # 8	-		# 7 @ 18"	
BM 4			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 5			14 # 11	6 # 11		4 # 11	# 5 @ 6" THROUGH	
BM 6			* 12 # 11	6 # 11			# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 7			8 # 9	6 # 11			# 5 - 4 @ 5" @ 6" REMAINDER @ 18"	
BM 8			* 16 # 11	6 # 11			# 5 @ 6" T.O.	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 9			8 # 9	6 # 9	2 # 9		# 5 @ 18"	
BM 10		30" x 42"	8 # 9	6 # 9	2 # 9	4 # 10	# 5 @ 18"	
BM 11			10 # 10	6 # 10		4 # 10	# 5 - 8 @ 6" WEST END REMAINDER @ 18"	
BM 12			10 # 11	6 # 10			# 5 - 10 @ 6" EE REM. @ 18"	
BM 13			8 # 9	6 # 10	2 # 10		# 5 @ 16"	
BM 14			8 # 9	* 6 # 9	4 # 10		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 15			8 # 9	* 6 # 9	4 # 9		# 5 @ 16"	* CONTINUOUS TOP STEEL
BM 16			DELETE					
BM 17		36" x 42"	* 16 # 11	6 # 11	2 # 11		# 5 @ 6"	* 2 LAYERS - 10 BARS IN OUTER LAYER
BM 18			8 # 10	6 # 11			# 5 @ 18"	
BM 19			* 12 # 11	6 # 11		4 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 20			* 12 # 11	6 # 11		2 # 11	# 5 @ 6"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 21			* 14 # 11	6 # 11			# 5 - 8 @ 6" SOUTH END REMAINDER @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 22			8 # 10	6 # 8	2 # 8		# 5 @ 18"	
BM 23			8 # 10	* 4 # 11		6 # 11	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 24			8 # 10	* 4 # 11		4 # 8	# 5 @ 18"	* CONTINUOUS TOP STEEL
BM 25			* 12 # 11	6 # 11		2 # 11	# 5 - 6 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 26			* 16 # 11	6 # 11		2 # 11	# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 27			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 28			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 29			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 30			* 14 # 11	6 # 11	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 31			* 14 # 11	6 # 10	2 # 10 EE		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 32	+23'-6"		* 14 # 11	6 # 10	2 # 10		# 5 - 10 @ 6" EAST END REM. @ 18"	* 2 LAYERS - 10 BARS OUTER LAYER
BM 33	+9'-10"	24" x 42"	* 10 # 11	4 # 10			# 5 - 10 @ 6" EX. END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER
BM 34			* 10 # 11	4 # 10			# 5 - 10 @ 6" EX. END REM. @ 18"	* 2 LAYERS - 6 BARS OUTER LAYER
BM 35	+9'-10"		* 12 # 11	4 # 10			# 5 @ 6" THROUGH	* 2 LAYERS - 6 BARS EA.
BM 36	+1'-1"	8" x 21"	2 # 6	2 # 6			# 3 @ 10"	
BM 37	+10'-2"	8" x 38"	2 # 5	2 # 5			# 3 @ 18"	ADD 2 # 4 AT MIDDEPTH
BM 38	VARIES	8" x 18"	2 # 5	2 # 5			# 3 @ 8"	
BM 39	+127'-7"	8" x 32"	2 # 9	2 # 6			# 3 @ 8"	ADD 2 # 4 AT MIDDEPTH
BM 40	+128'-10"	8" x 24"	2 # 6	2 # 8			# 3 @ 8"	
BM 41	+137'-10"	8" x 20"	2 # 6	2 # 5			# 3 @ 10"	
BM 42	+125'-3"	12" x 18"	3 # 7	2 # 7			# 3 @ 8"	

BEAM SCHEDULE

WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

138 S.E. 14<sup>th</sup> LA.

CHAMPLAIN TOWERS SOUTH

A 135 UNIT CONDOMINIUM

BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

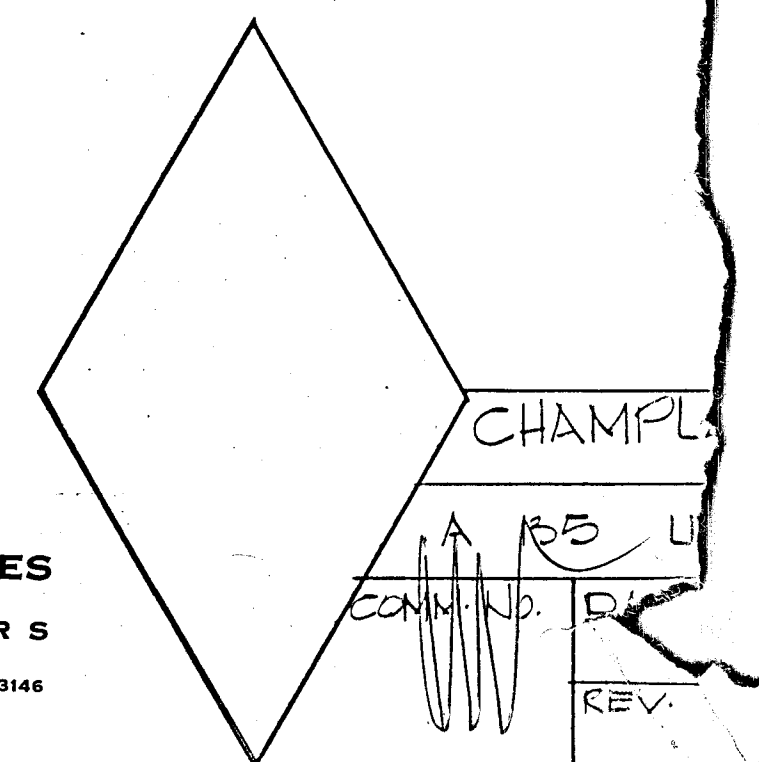
COMM. No. DATE 8/22/79 SHEET No.  
REV. 513 OF 14

COLUMN SCHEDULE

TYPE	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(P)	X	Y	
	24" x 24"	24" x 60" OR 24" x 24" 1ST TO 2ND	16" x 16"	16" x 16"	16" x 16"	16" x 16"	14" x 18"	14" x 18"	12" x 24"	12" x 24"	12" x 24"	12" x 24"	12" x 36"	12" x 16"	8" x 12"			
MACH. RM. ROOF																		
MACH. RM. FLOOR																		
ROOF																		
12th FLOOR (PENTHOUSE)			4#8	4#8	4#8		4#8	4#8	4#8	4#8	4#8	4#8	6#8		4#6		8#5 12" x 18"	8#5 12" x 18"
11th FLOOR																		
10th FLOOR																		
9th FLOOR																	8#5 12" x 18"	
8th FLOOR																	10#5 12" x 24"	8#5 12" x 18"
7th FLOOR				4#8	4#8		4#8	4#8		4#8	4#8	4#8					10#6 12" x 24"	8#7 12" x 18"
6th FLOOR			6#8	6#8	6#9		6#9	6#9	6#8	6#8	6#8	6#8					10#7 12" x 24"	8#9 12" x 18"
5th FLOOR			8#8	8#9	8#9		8#9	8#9	8#8	8#8	8#8	8#8			4#6		12#8 12" x 30"	10#9 12" x 24"
4th FLOOR																	16#8 12" x 42"	10#10 12" x 24"
3rd FLOOR			8#8	8#9	8#9		8#9 4L-2S	8#9	8#8	8#9	8#9	8#9	6#9		4#7		16#9 12" x 42"	10#10 12" x 24"
2nd FLOOR			8#9	8#10	8#10 3 E.F.		8#10 4L-2S	8#10 4L-2S	8#9 4L-2S	8#10 4L-2S	8#10	8#10	8#9 4L-2S		4#8		16#11 12" x 42"	12#10 12" x 30"
LOBBY FL.	12#10 4 E.F.	12#10 4 E.F.	8#10	8#11			10#10 4L-3S					10#10 5L-2S			4#9		20#11 12" x 54"	12#11 12" x 30"
BASAMENT FL.	12#10 4 E.F.	12#10 4 E.F.	8#11 3 E.F.	12#11 4 E.F.		4#8	10#11 4L-3S					12#10 6L-2S		4#7	4#9		24#11 12" x 66"	14#11 12" x 36"
				COL. E-4 UP TO EL. +			COL. E-2 H-2, H-4 UP TO EL. +											

**NOTES**

- TIES FOR NO. 11 MAIN BARS USE #4 TIES, ALL OTHERS TO BE #3 DETAILED IN ACCORDANCE WITH ACI-318
- COLUMN DOWELS TO BE SAME NO. AND SIZE AS MAIN REINFORCING



COLUMN SCHEDULE

TYPE	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(P)	(Q)	(R)	(S)	(T)	(X)	(Y)	
SIZE	24" x 24"		16" x 16"	16" x 16"	16" x 16"	16" x 16"	14" x 18"	14" x 18"	12" x 24"	12" x 24"	12" x 24"	12" x 24"	12" x 36"	12" x 16"	8" x 12"	8" x 12"	8" x 12"	8" x 12"	8" x 12"			
MACH. RM. ROOF	+139'-6"																					
MACH. RM. FLOOR	+130'-10"																4#5		4#5			
ROOF	+124'-2"																4#5	4#5	4#5			
12th FLOOR (PENTHOUSE)	+115'-4"			4#8	4#8	4#8		4#8	4#8	4#8	4#8	4#8	6#8		4#6					8#5 12" x 18"	8#5 12" x 18"	
11th FLOOR	+106'-6"																					
10th FLOOR	+97'-8"																					
9th FLOOR	+88'-10"		U																		8#5 12" x 18"	
8th FLOOR	+80'-0"		T																		10#5 12" x 24"	8#5 12" x 18"
7th FLOOR	+71'-2"		U		4#8	4#8		4#8	4#8		4#8	4#8	4#8								10#6 12" x 24"	8#7 12" x 18"
6th FLOOR	+62'-4"		L	4#8	6#8	4#9		4#9	4#9	4#8	6#8	6#8	6#8								10#7 12" x 24"	8#9 12" x 18"
5th FLOOR	+53'-6"		U	6#8	8#8	6#9		6#9	6#9	6#8	8#8	8#8	8#8			4#6					12#8 12" x 30"	10#9 12" x 24"
4th FLOOR	+44'-8"		D	8#8	8#9	8#9		8#9	8#9	8#8	8#9	8#9	8#9	6#8		4#7					16#8 12" x 42"	10#10 12" x 24"
3RD FLOOR	+35'-10"			8#8	8#9	8#9		8#9	8#9	8#8	8#9	8#9	8#9	6#9		4#7					16#9 12" x 42"	10#10 12" x 24"
2ND FLOOR	+27'-0"			8#9	8#10	8#10 3 E.F.		8#10	8#10	8#9	8#10	8#10	8#10	8#9	4L-2S	4#8					16#11 12" x 42"	12#10 12" x 30"
LOBBY FL.	+13'-4"			12#10 4 E.F.	8#10	8#11		10#10 4L-3S					10#10 5L-2S			4#9					20#11 12" x 54"	12#11 12" x 30"
BASAMENT FL.	+2'-2"			12#10 4 E.F.	8#11 3 E.F.	12#11 4 E.F.		4#8	10#11 4L-3S				12#10 6L-2S		4#7	4#9					24#11 12" x 66"	14#11 12" x 36"

LARGE SHEAR WALL  
SMALL SHEAR WALL

**NOTES**  
 - TIES FOR No. 11 MAIN BARS USE #4 TIES, ALL OTHERS TO BE #3 DETAILED IN ACCORDANCE WITH ACI-318  
 - COLUMN DOWELS TO BE SAME NO. AND SIZE AS MAIN REINF. ORCING

WILLIAM M. FRIEDMAN & ASSOCIATES  
 ARCHITECTS, I.L.C.  
 138 S.E. 14th Ln.

BREITERMAN JURADO & ASSOCIATES  
 CONSULTING ENGINEERS  
 420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

CHAMPLAIN TOWERS SOUTH  
 A-135 UNIT CONDOMINIUM  
 COMM. No. DATE 8/20/79 SHEET No. 514 of 14  
 REV.



**COLUMN SCHEDULE**

TYPE	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(P)	(Q)	(R)	(S)	(T)	(X)	(Y)	
SIZE	24" x 24"		16" x 16"	16" x 16"	16" x 16"	16" x 16"	14" x 18"	14" x 18"	12" x 24"	12" x 24"	12" x 24"	12" x 24"	12" x 36"	12" x 16"	8" x 12"	8" x 12"	8" x 12"	8" x 12"		LARGE SHEAR WALL	SMALL SHEAR WALL	
MACH. RM. ROOF																						
MACH. RM. FLOOR																						
ROOF																						
12th FLOOR (PENTHOUSE)			4#8	4#8	4#8		4#8	4#8	4#8	4#8	4#8	4#8	6#8		4#6						8#5 12" x 15"	8#5 12" x 18"
11th FLOOR																						
10th FLOOR																						
9th FLOOR		W																			8#5 12" x 18"	
8th FLOOR		T																			10#5 12" x 24"	8#5 12" x 18"
7th FLOOR		W		4#8	4#8		4#8	4#8		4#8	4#8	4#8									10#6 12" x 24"	8#7 12" x 18"
6th FLOOR		L	4#8	6#8	4#9		4#9	4#9	4#8	6#8	6#8	6#8									10#7 12" x 24"	8#9 12" x 18"
5th FLOOR		W	6#8	8#8	6#9		6#9	6#9	6#8	8#8	8#8	8#8									12#8 12" x 30"	10#9 12" x 24"
4th FLOOR		D	8#8	8#9	8#9		8#9	8#9	8#8	8#9	8#9	8#9	6#8		4#7						16#8 12" x 42"	10#10 12" x 24"
3RD FLOOR			8#8	8#9	8#9		8#9 4L-2S	8#9	8#8	8#9	8#9	8#9	6#9		4#7						16#9 12" x 42"	10#10 12" x 24"
2ND FLOOR			8#9	8#10	8#10 3 E.F.		8#10 4L-2S	8#10 4L-2S	8#9 4L-2S	8#10 4L-2S	8#10	8#10	8#9 4L-2S		4#8						16#11 12" x 42"	12#10 12" x 30"
LOBBY FL.	12#10 4 E.F.		8#10	8#11			10#10 4L-3S				10#10 5L-2S	10#10			4#9						20#11 12" x 54"	12#11 12" x 30"
BASAMENT FL.	12#10 4 E.F.		8#11 3 E.F.	12#11 4 E.F.		4#8	10#11 4L-3S				12#10 6L-2S			4#7	4#9						24#11 12" x 66"	14#11 12" x 36"

fc = 4,000 PSI  
fc = 5,000 PSI  
fc = 6,000 PSI

**NOTES**  
 - TIES FOR NO. 11 MAIN BARS USE #4 TIES, ALL OTHERS TO BE #3 DETAILED IN ACCORDANCE WITH ACI-318  
 - COLUMN DOWELS TO BE SAME NO. AND SIZE AS MAIN REINFORCING

COL. E-4 UP TO EL. +125'-8"  
 COL. E-2 H-2, H-4 UP TO EL. +125'-8"  
 COL. B-C FROM 2ND TO ROOF

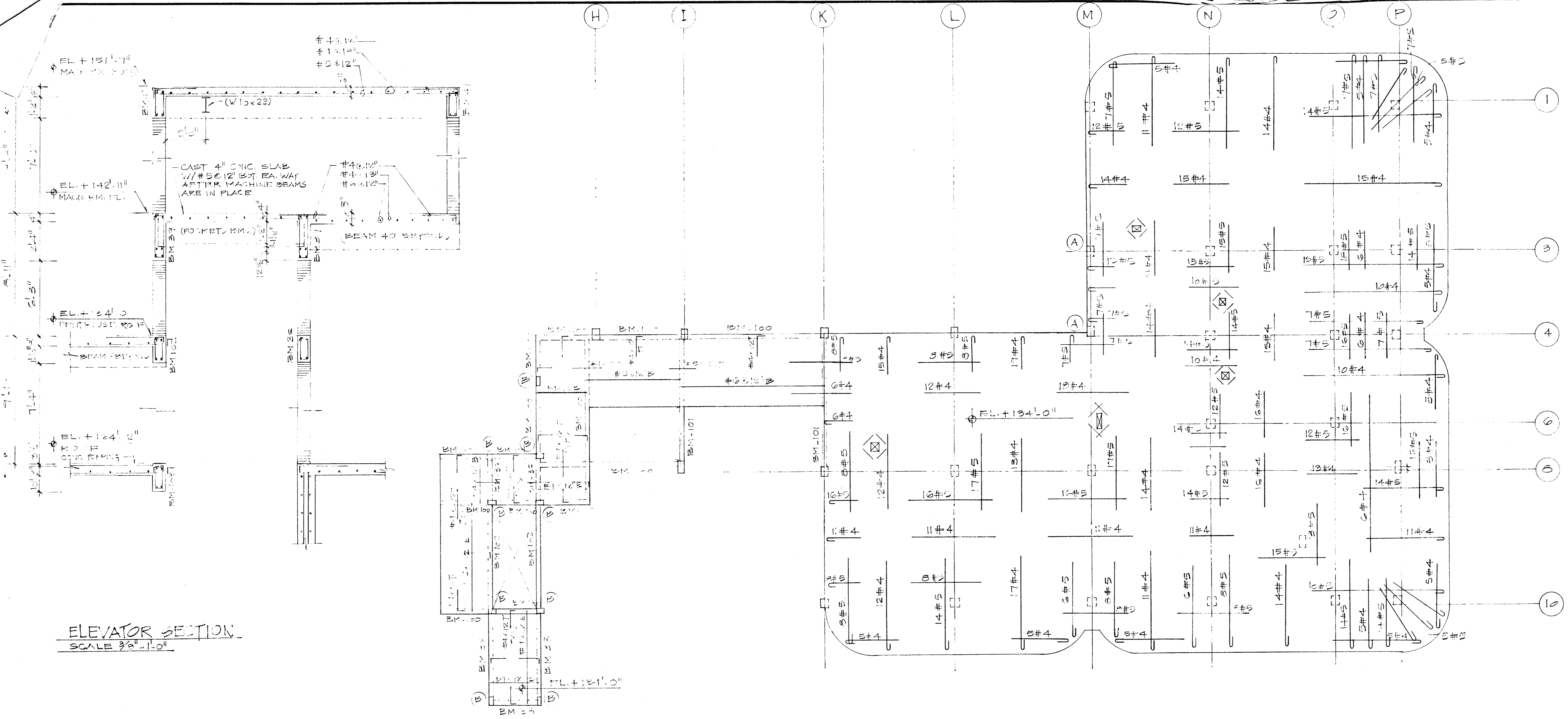
WILLIAM M. FRIEDMAN & ASSOCIATES  
ARCHITECTS, INC.

138 S.E. 14th LA.

**CHAMPLAIN TOWERS SOUTH**  
A 155 UNIT CONDOMINIUM

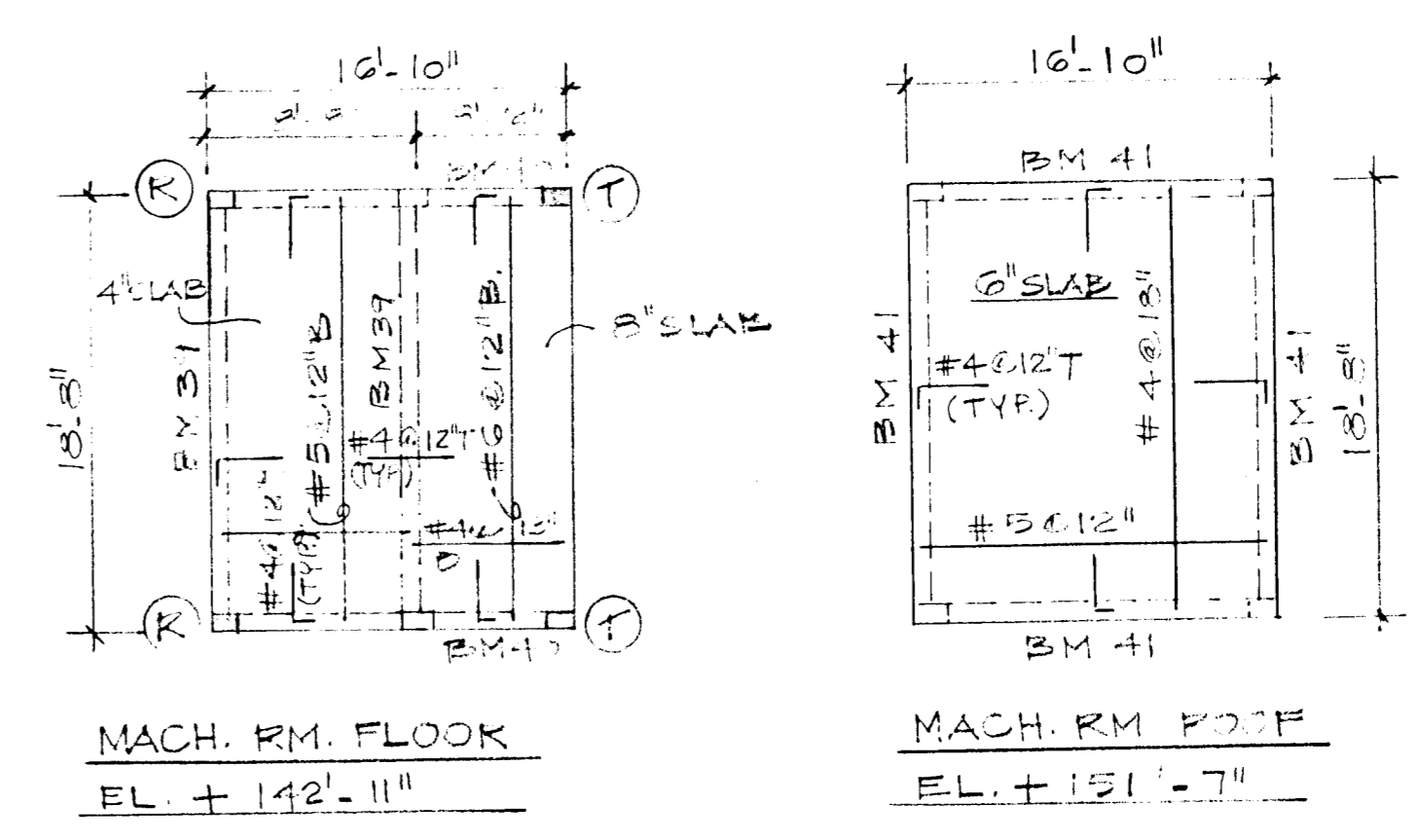
BREITERMAN JURADO & ASSOCIATES  
CONSULTING ENGINEERS  
420 SOUTH DIXIE HIGHWAY CORAL GABLES FLORIDA 33146

COMM. NO. DATE 3/22/79 SHEET NO. 514 OF 14  
 REV.



ELEVATOR SECTION  
SCALE 3/8" = 1'-0"

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

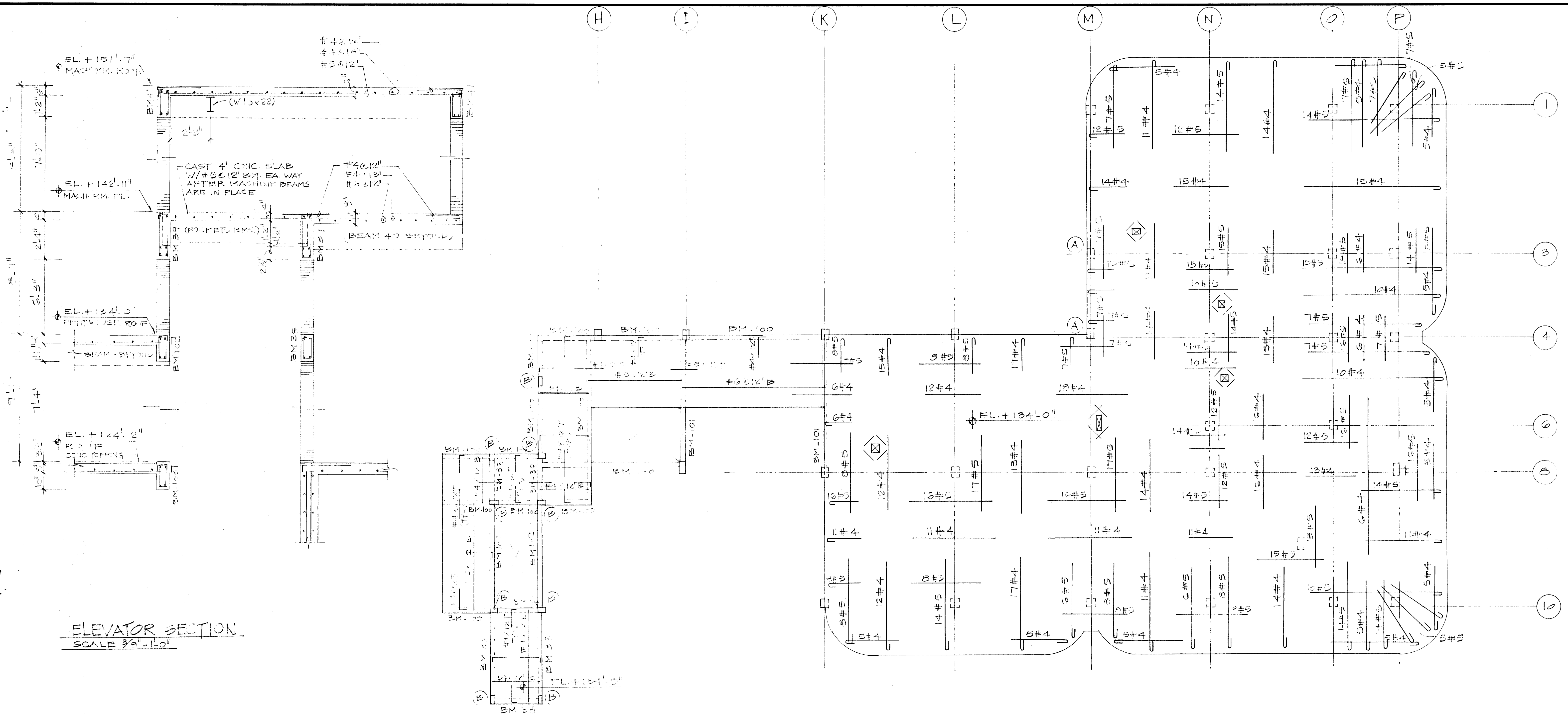


BEAM SCHEDULE					
MARK	SIZE	LONGITUDINAL		STIRRUPS	REMARKS
	B & D	BOTT.	TOP		
BM-100	8" x 22"	2#7	2#7	#3 @ 10"	
BM-101	8" x 22"	2#7*	2#7	#3 @ 10"	* 2 LAYERS
BM-102	8" x 20"	2#5	2#5	#3 @ 12"	
BM-103	8" x 21 1/2"	2#5	2#5	#3 @ 12"	

NOTE:  
COL (A) 12" x 12" W/ 4#7 & #3 @ 12"  
COL (B) 8" x 12" W/ 4#5 & #3 @ 8"

WILLIAM M. FRIEDMAN & ASSOC.  
ARCHITECTS, INC.

CHAMPLAIN TOWERS SOUTH  
A 135 UNIT CONDOMINIUM  
DATE: 11/14/85 SHEET NO.  
REV: 14A-14

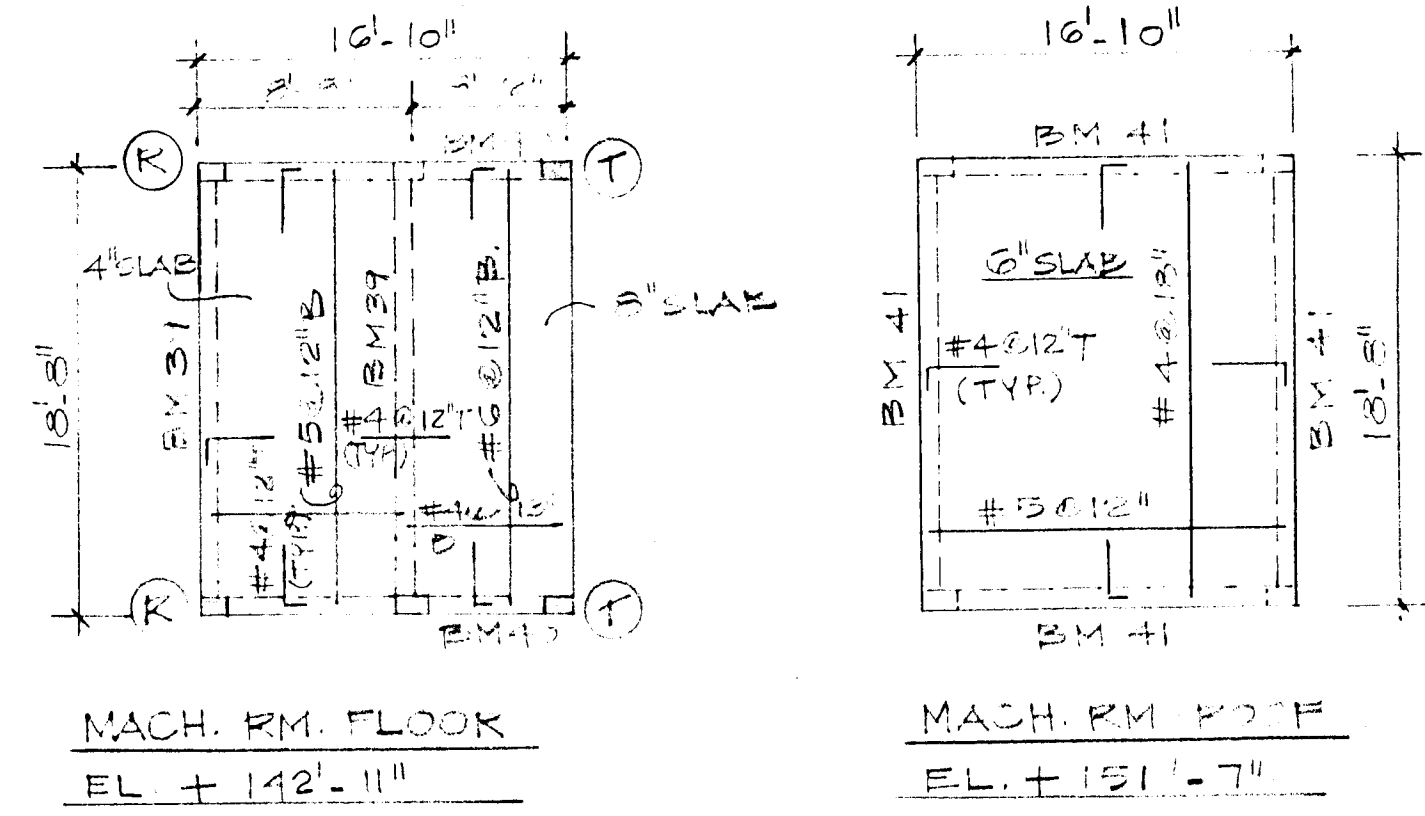


ELEVATOR SECTION  
SCALE 3/8" = 1'-0"

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

BEAM SCHEDULE					
MARK	SIZE B x D	LONGITUDINAL		STIKKUPS	REMARKS
		BOTT.	TOP		
BM-100	8" x 12"	2#7	2#7	#3 @ 10"	
BM-101	5" x 22"	2#7*	2#7	#3 @ 10"	* 2 LAYERS
BM-102	8" x 30"	2#5	2#5	#3 @ 12"	
BM-103	9" x 21 1/2"	2#5	2#5	#3 @ 12"	

NOTE:  
COL (A) 12" x 12" w/ 4#7 + #3 @ 12"  
COL (B) 8" x 12" w/ 4#5 + #3 @ 8"



MACH. RM. FLOOR  
EL. + 142'-11"

MACH. RM. FLOOR  
EL. + 131'-7"

WILLIAM M. FRIEDMAN & ASSOC.  
ARCHITECTS, INC.