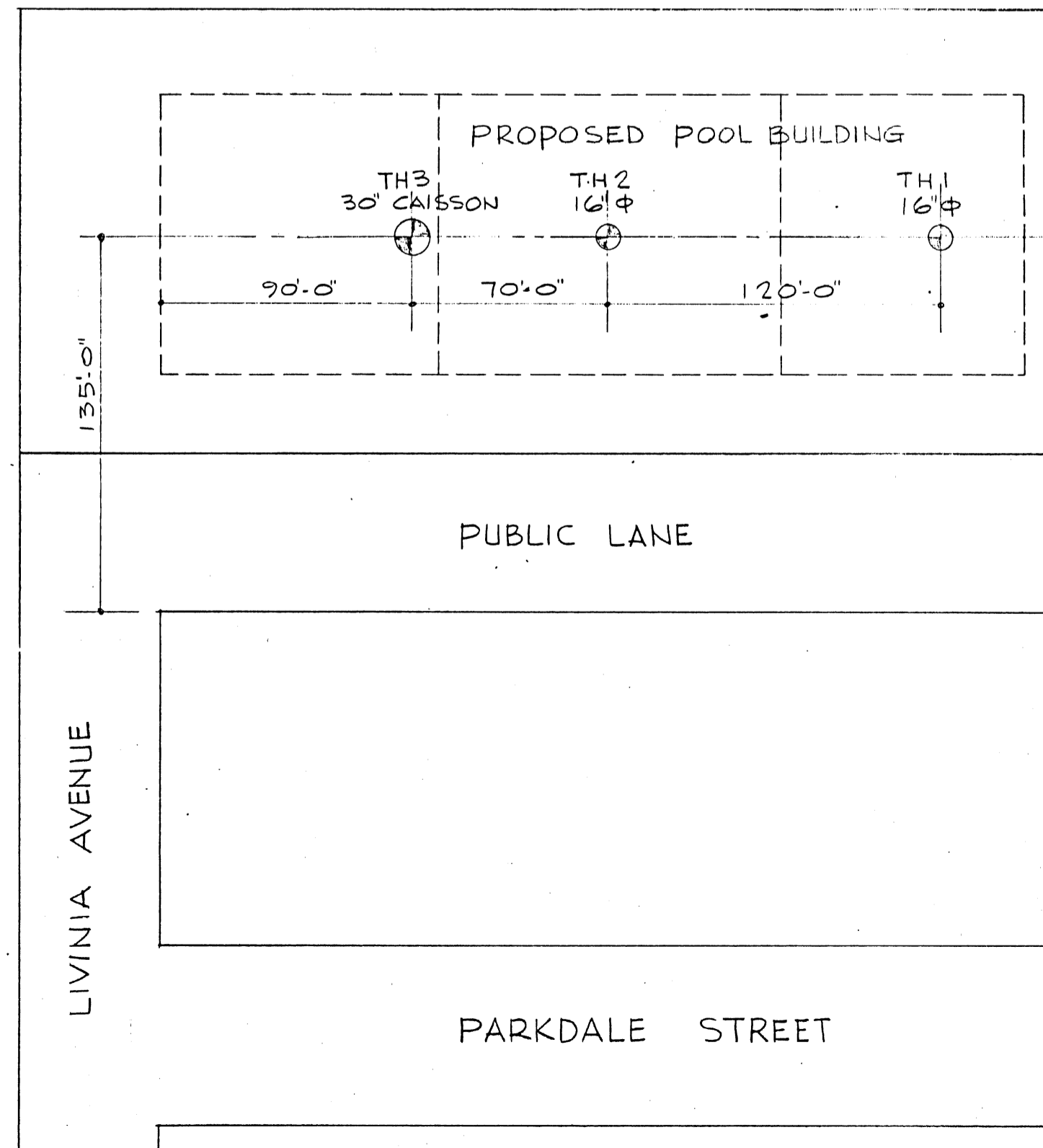
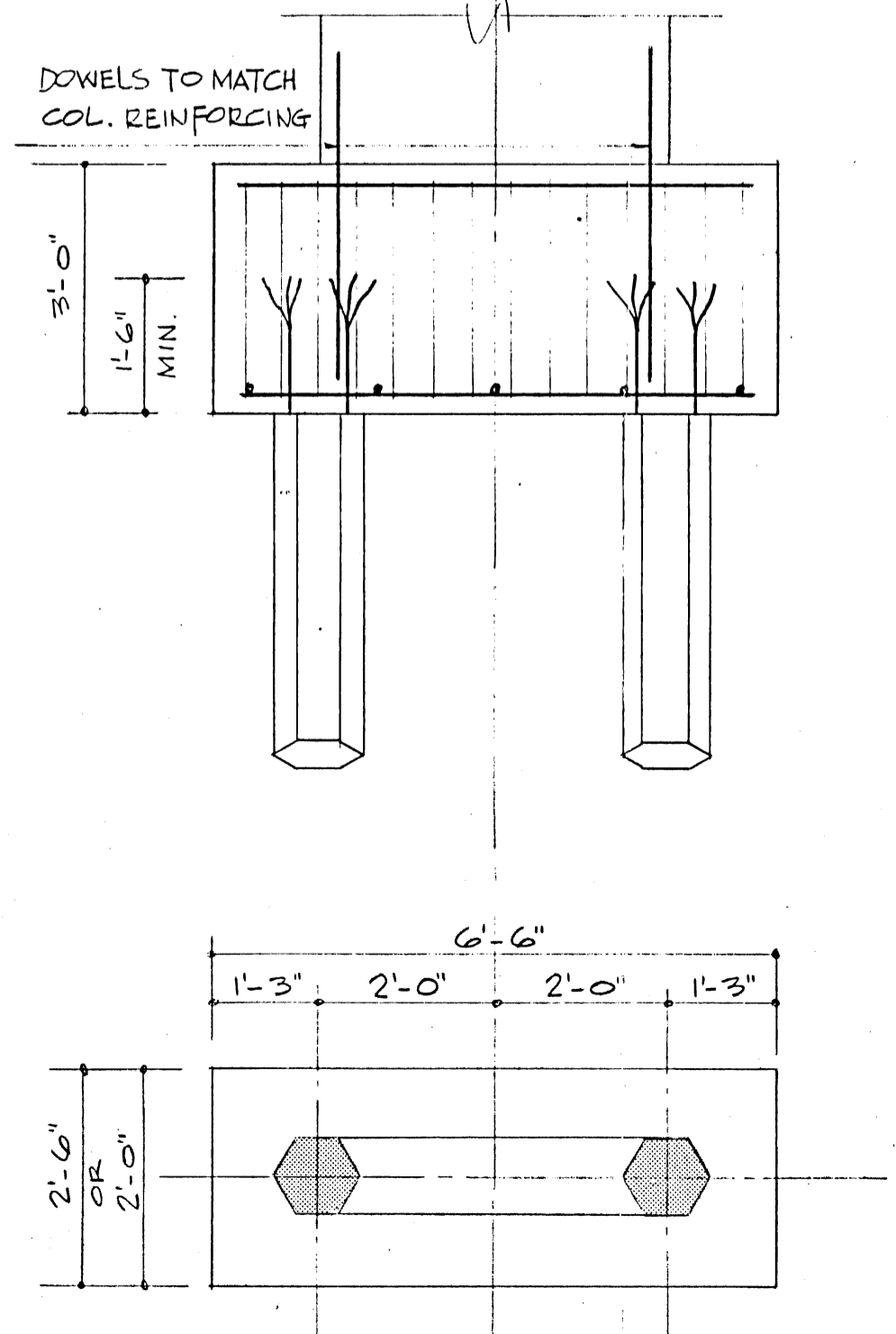
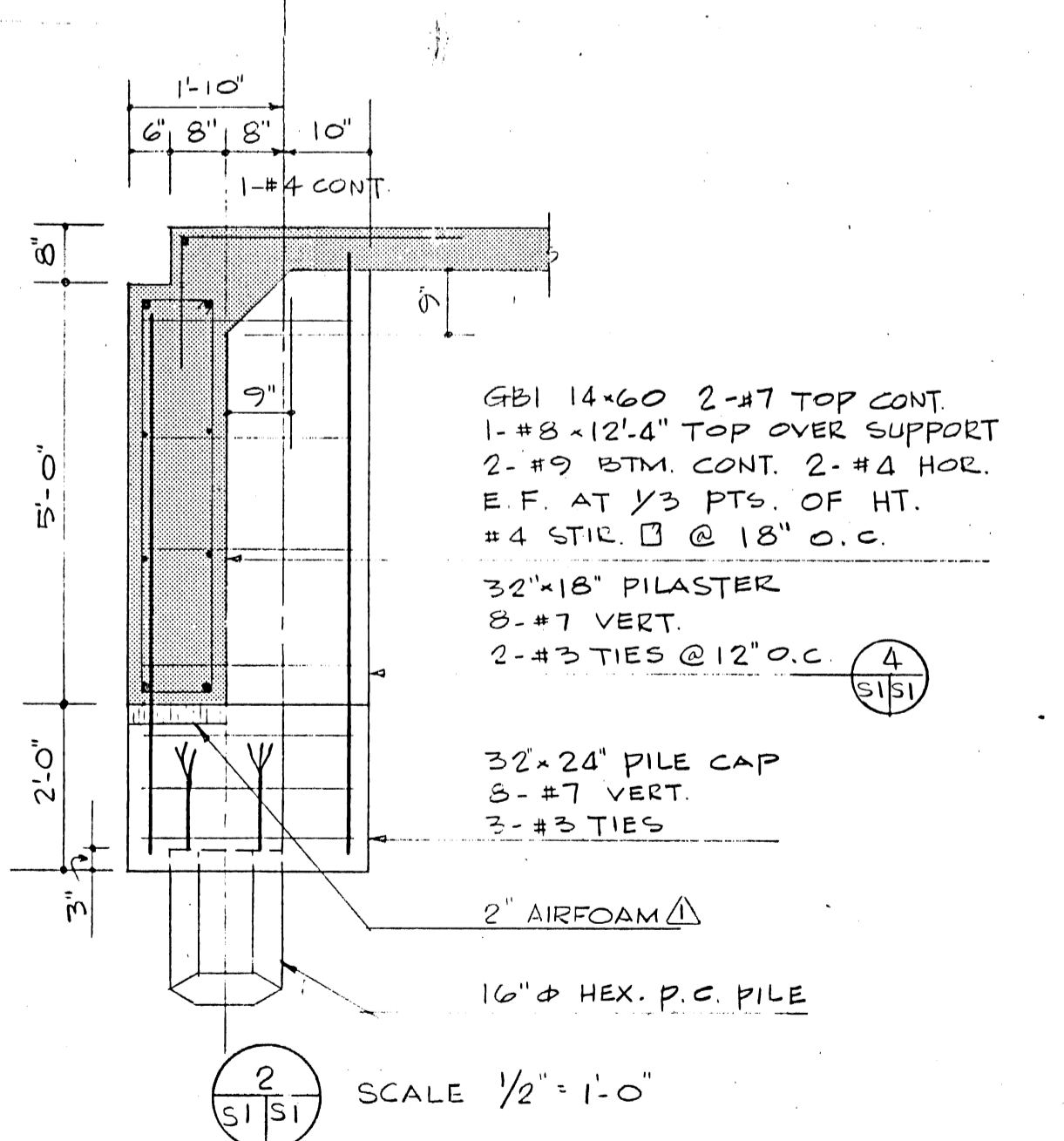
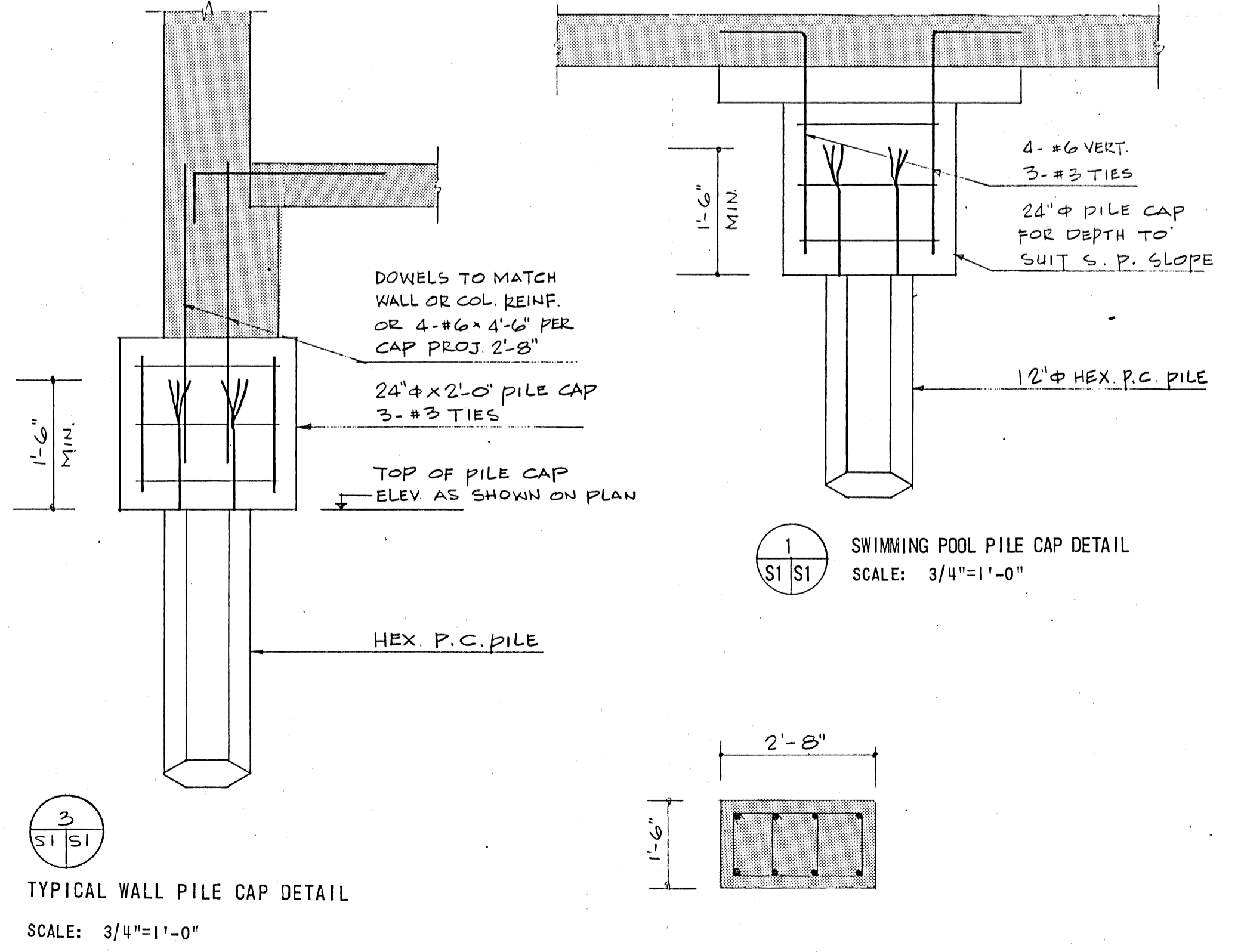


**FOUNDATION NOTES**

- ALL PRECAST CONCRETE PILES SHALL BE HEX. PILES CAPABLE OF SUSTAINING THE FOLLOWING LOADS:  
 12" HEX. 50 TONS  
 14" HEX. 70 TONS  
 16" HEX. 90 TONS
- THE TOPS OF ALL PRECAST CONCRETE PILES SHALL BE CAREFULLY CUT OFF TO A LEVEL PLANE AT AN ELEVATION SHOWN THUS ON PLANS.
- A MIN. OF 1" OF PRESTRESSING STRAND SHALL PROJECT ABOVE THIS ELEVATION.
- THE LOCATION OF ALL PILES AS WELL AS THEIR CUT-OFF ELEVATIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL CAST-IN-PLACE CONCRETE PILES SHALL BE 14" IN DIAMETER AND REINFORCED AS SHOWN ON DETAIL SHEET DS-1.
- ALL STEEL IN PILE CAPS TO BE A325 GRADE.
- CONCRETE IN ALL PILE CAPS TO BE 4000 P.S.I. (KALICRETE).
- CONCRETE IN ALL CAST-IN-PLACE PILES TO BE 3000 P.S.I. (KALICRETE).
- CONCRETE IN ALL PRECAST CONCRETE PILES TO BE 5000 P.S.I. (KALICRETE).

**NOTE:**  
 ALL P.C. DRIVEN PILE TYPE  
 A 16"  $\phi$  HEXAGON P.C. PILE  
 B 14"  $\phi$  HEXAGON P.C. PILE  
 C 12"  $\phi$  HEXAGON P.C. PILE  
 D 2-16"  $\phi$  HEX. P.C. PILES WITH 6'-6" x 2'-6" x 3'-0" DEEP PILE CAP REIN. WITH 5-#8 x 6'-0" LONG WAY BTM. 6-#5 x 2'-0" SHORT WAY BTM. 2-#7 x 6'-0" LONG WAY TOP #5 STIC @ 5" O.C.  
 E 2-14"  $\phi$  HEX. P.C. PILES WITH 6'-6" x 2'-0" x 3'-0" DEEP PILE CAP REIN. WITH 4-#9 x 6'-0" BTM. LONG WAY 6-#5 x 1'-6" BTM. SHORT WAY 2-#7 x 6'-0" TOP LONG WAY #4 STIC @ 5" O.C.  
 F 2-12"  $\phi$  HEX. P.C. PILES WITH 6'-6" x 2'-0" x 3'-0" DEEP PILE CAP FOR CAP REIN. SEE TYPE 'E'

**FOUNDATION PLAN**  
 SCALE: 1/8" = 1'-0"



DEPTH (FT)	TEST HOLE NO. 1			TEST HOLE NO. 2			TEST HOLE NO. 3		
	LOG	DESCRIPTION	LOG	DESCRIPTION	LOG	DESCRIPTION	LOG	DESCRIPTION	
0-5	6" TOP SOIL		6" TOP SOIL		6" TOP SOIL		6" TOP SOIL		
5-10	BROWN CLAY		BROWN CLAY		BROWN CLAY		BROWN CLAY		
10-15	BROWN CLAY		BROWN CLAY		BROWN CLAY		BROWN CLAY		
15-20	BROWN CLAY		BROWN CLAY		BROWN CLAY		BROWN CLAY		
20-25	GREY CLAY		GREY CLAY		GREY CLAY		GREY CLAY		
25-30	SOFT LIGHT GREY MOIST TILL		SOFT LIGHT GREY MOIST TILL		SOFT LIGHT GREY MOIST TILL		SOFT LIGHT GREY MOIST TILL		
30-35	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	
35-40	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	
40-45	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	REFUSAL AT 35'	NO WATER	

**GENERAL NOTES**

- ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE CHECKED WITH THE ARCHITECTURAL AND ANY INCONSISTENCIES REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- FOUNDATION WALLS SHALL BE POURED TO LEVELS INDICATED ON THE STRUCTURAL DRAWINGS WITHOUT ANY HORIZONTAL JOINTS.
- BASEMENT AND FIRST FLOOR SLABS SHALL BE PLACED BEFORE BACKFILLING.
- ALL CONCRETE SHALL HAVE A STRENGTH OF 4,000 P.S.I. AT 28 DAYS. THE MAXIMUM AGGREGATE SIZE IN WALLS TO BE 1/2" IN BEAMS, SLABS AND COLUMNS & MAXIMUM SLUMP 4" IN ALL CONCRETE.
- ALL REINFORCING STEEL SHALL BE HI-BOND GRADE WITH AN ALLOWABLE WORKING STRESS OF 24,000 LBS. PER SQ. IN., AND SHALL CONFORM TO SPECIFICATION AISC-2. NO. 4 BARS OR SMALLER MAY HAVE ALLOWABLE STRESS OF 20,000 LBS. PER SQ. IN.
- ALL STRUCTURAL STEEL SHALL BE NEW A36.
- CONCRETE OR STEEL BEAMS RESTING ON MASONRY WALLS SHALL HAVE A MINIMUM BEARING OF 8" UNLESS OTHERWISE NOTED. BEARING SHALL BE SOLID BLOCK LAID IN CORNER MORTAR FOR A LENGTH EQUAL TO TWICE THE WIDTH OF THE BEARING AND FOR A DEPTH EQUAL TO THE WIDTH OF THE BEARING. SLABS SHALL HAVE A MINIMUM BEARING OF 4".
- BEAMS AND SLABS SHALL BE POURED MONOLITHICALLY WITH SUPPORTING WALLS OR GRADE BEAMS. WHERE THIS IS NOT FEASIBLE SLABS ARE TO BE POKETTED 4" AND DOWELLED TO SITT TOP SLAB STEEL. BEAMS ARE TO BE POKETTED 8" AND DOWELS SUPPLIED FOR BEAM REINFORCING.
- FOR ADDITIONAL DETAILS SEE DETAIL SHEETS DS-1, DS-2, DS-3, DS-4, DS-5 & DS-6, DS-7, DS-8, DS-9, DS-10, DS-11, DS-12, DS-13, DS-14, DS-15 & DS-17 IN SPECIFICATION.

**REVISIONS**

NO.	DESCRIPTION	DATE	BY
1	REVISIONS	16 MAR 70	
2	DIMENSIONS & ELEVATIONS	29 JAN 70	

REVISIONS (READ UP)

DRAWN BY: H.S.  
 CHECKED BY: HENRY PENNER  
 APPROVED BY: HENRY PENNER  
 DATE: JAN. 9, 1970

**Smith Carter Parkin**  
 ARCHITECTS  
 ENGINEERS  
 PLANNERS

WINNIPEG  
 TORONTO  
 MONTREAL  
 LAKELAND  
 BRANSON  
 LOS ANGELES

**B-14**

RETURN TO CLIENT  
 P. PARKS BUILDING  
 WINNIPEG

3 10 1 2

**Smith Carter Parkin**  
 ARCHITECTS  
 ENGINEERS  
 PLANNERS

1100 Waverley Street  
 Winnipeg 3

SWIMMING POOL  
 FOR THE CITY OF ST. JAMES-ASSINIBOIA

SHEET NUMBER  
 FOUNDATION PLAN

SCALE:  
 1/8" = 1'-0" 1/2" = 1'-0" 3/4" = 1'-0"

FILE NUMBER  
 68448

SHEET NUMBER  
 S 1 R