

COLUMN DESIGN SCHEDULE - CASE 2: ALTERNATE																
Roof Elev. (Varies)	COLUMN DESIGN	8-7	8-7	7-7	6-7	4-7	D-2	Roof Elev. (Varies)	COLUMN DESIGN	D-3 F-4	D-5 F-5	H-5 H-6	G-5 G-6	G-6		
Varies	TOP OF COL.	+52'-0"	+53'-0"	+54'-0"	+53'-0"	+53'-7"	+54'-0"	Varies	TOP OF COL.	+54'-0"	+54'-0"	+53'-7"	+53'-0"	+53'-10"		
	COL. TYPE	I	I	I	I	I	I		COL. TYPE	I	I	I	I	I		
	VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4	12 #4		VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4		
	TIES	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"		TIES	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"		
	COL. TYPE	I	I	I	I	I	I		COL. TYPE	I	I	I	I	I		
Fourth Level Elev. (+25.0')	Varies	VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4	Varies	VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4		
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
Third Level Elev. (+28.5')	14'-0"	COL. TYPE	I	I	I	I	I	14'-0"	COL. TYPE	I	I	I	I	I		
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
Second Level Elev. (+14.0')	14'-0"	TIES	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	14'-0"	TIES	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"		
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			
First Level Elev. (+0.0')	14'-0"	VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4	14'-0"	VERT. REIN.	12 #4	12 #4	12 #4	12 #4	12 #4		
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
Basement Elev. (+6.0')	14'-0"	COL. TYPE	I	I	I	I	I	14'-0"	COL. TYPE	I	I	I	I	I		
VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4	VERT. REIN.		12 #4	12 #4	12 #4	12 #4	12 #4			
TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	TIES		#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"	#3 @ 18"			
COL. TYPE		I	I	I	I	I	COL. TYPE		I	I	I	I	I			

[illegible]

Variables	D.3 P.3 F.4	D.5 F.5	H.5 H.6	G.5.5	G.6	G.6
Roof Elev. (1.7m)	COLUMN DESIGN					
	TOP OF COL.	*54.0'	*54.0'	*53.17'	*53.0'	*53.10'
	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#4	12#4	12#4	12#4	12#4
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
Fourth Level Elev. (1.425.0)	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#4	12#4	12#4	12#4	12#4
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
Fifth Level Elev. (1.425.0)	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#4	12#4	12#4	12#4	12#4
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
Third Level Elev. (1.425.0)	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#10	12#10	12#10	12#10	12#10
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
Second Level Elev. (1.410.0)	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#10	12#10	12#10	12#10	12#10
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
First Level Elev. (1.410.0)	COL. TYPE	I	I	I	I	I
	VERT. REINF.	12#10	12#10	12#10	12#10	12#10
	TIES	#3@18"	#3@18"	#3@18"	#3@18"	#3@18"
Top of pier egg liquid	DOWNERS	12#10	12#10	12#10	12#10	12#4
Top of pier egg liquid	TOP OF PIER CAP	-11.0'	-9.0'	-11.0'	-11.0'	-5.0'

B.2'4" B.2'4" 41/2" 41/2" double for
 combination.
 Place #2 bar found #3 rebar birmingham
 rebar #3 rebar birmingham

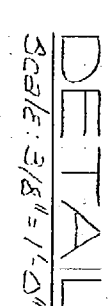
F-1		G-2	
Fourth Level Elev. (147.03)	COLUMN DESIGN	Reo ¹ Elev. (147.03)	8.1 8.2 8.3 8.4 8.5 8.6
Third Level Elev. (142.00)	TOP OF COLL.	+51'-10"	+51'-4"
	COL. TYPE	I	I
	VERT. REINF.	12 #4	12 #4
	TIES	#3 @ 18"	#3 @ 18"
Second Level Elev. (137.00)	COL. TYPE	I	I
	VERT. REINF.	12 #10	12 #10
	TIES	#3 @ 18"	#3 @ 18"
	Third Level Elev. (132.00)	COL. TYPE	I
First Level Elev. (127.00)	VERT. REINF.	12 #10	12 #10
	TIES	#3 @ 18"	#3 @ 18"
	COL. TYPE	I	I
	Second Level Elev. (122.00)	VERT. REINF.	12 #10
Top of Pier Bottom of column top	DOMES	12 #10	12 #10
	TOP OF PIER CAP	-1'-0"	-1'-0"

F-1		G-2	
Fourth Level Elev. (147.03)	COLUMN DESIGN	Reo ¹ Elev. (147.03)	8.1 8.2 8.3 8.4 8.5 8.6
Third Level Elev. (142.00)	TOP OF COLL.	+51'-10"	+51'-4"
	COL. TYPE	I	I
	VERT. REINF.	12 #4	12 #4
	TIES	#3 @ 18"	#3 @ 18"
Second Level Elev. (137.00)	COL. TYPE	I	I
	VERT. REINF.	12 #10	12 #10
	TIES	#3 @ 18"	#3 @ 18"
	Third Level Elev. (132.00)	COL. TYPE	I
First Level Elev. (127.00)	VERT. REINF.	12 #10	12 #10
	TIES	#3 @ 18"	#3 @ 18"
	COL. TYPE	I	I
	Second Level Elev. (122.00)	VERT. REINF.	12 #10
Top of Pier Bottom of column top	DOMES	12 #10	12 #10
	TOP OF PIER CAP	-1'-0"	-1'-0"

	Reinforcement Elev. 1.01-05 Top of pier top elev. 1.05 bottom of column 1.00	12-12 12-12	COLLIN DESIGN	C-41 E-41
80 dia. 125 80 65 80 dia. 125 Add 5 #3 @ 400	Top of pier top elev. 1.05 bottom of column 1.00	12-12 12-12	TOP OF COLL COL TYPE VERT REINF CONCRETE TOP OF PIER CAP	-2.4' I 12 #10 12 #10 12 #10 12 #10

[illegible][illegible]

DECLASSIFIED
DATE: 2/8/83 BY: D-2508



TYPE I



24" ϕ CONCRETE CAISSONS					
PIER DESIGN Δ	ELEV TOP OF PIERCAP	ELEV TOP OF RIER	ELEV BOTT OF PIER	PIER LENGTH	PIER CITY KTS
1	5/35.50	5/32.43	5/27.43	6.0	200
2	5/19.50	5/16.43	5/50.43	6.0	200
3	5/36.00	5/32.96	5/27.93	8.5	175
4	5/36.50	5/33.43	5/27.43	5.5	175
5	5/19.50	5/16.43	5/50.43	6.5	175
6	5/35.50	5/32.43	5/27.43	5.0	163
7	5/19.50	5/16.43	5/50.43	5.0	163
8	5/17.50	5/14.43	5/50.43	5.0	163
9	5/36.00	5/32.93	5/28.93	5.0	163
10	5/19.50	5/16.43	5/50.43	6.0	200
11	5/35.50	5/31.43	5/26.43	5.5	175
12	5/17.50	5/14.43	5/50.43	5.5	175
13	5/24.50	5/20.43	5/50.43	5.5	175
14	5/19.50	5/16.43	5/50.43	6.5	175
15	5/35.50	5/31.43	5/27.43	5.0	153
16	5/35.50	5/31.43	5/27.43	6.0	200
17	5/27.50	5/23.43	5/50.43	6.0	200
18	5/14.50	5/11.43	5/50.43	6.0	200
19	5/31.00	5/27.93	5/24.93	6.0	200
20	—	5/14.43	5/50.43	6.0	200
21	—	5/17.50	5/50.43	6.0	200
22	—	5/35.43	5/27.43	6.0	200
23	—	5/35.00	5/27.50	6.0	200
24	—	5/41.43	5/15.43	24	34
25	—	5/15.43	5/43.43	24	34
26	—	5/14.43	5/50.43	6.0	200
27	—	5/35.50	5/27.50	6.0	200
28	—	5/14.50	5/50.43	5.0	163

24" ϕ CONCRETE CAISSONS					
PIER DESIGN Δ	ELEV TOP OF PIERCAP	ELEV TOP OF RIER	ELEV BOTT OF PIER	PIER LENGTH	PIER CITY KTS
1	5/35.50	5/32.43	5/27.43	6.0	200
2	5/19.50	5/16.43	5/50.43	6.0	200
3	5/36.00	5/32.96	5/27.93	8.5	175
4	5/36.50	5/33.43	5/27.43	5.5	175
5	5/19.50	5/16.43	5/50.43	6.5	175
6	5/35.50	5/32.43	5/27.43	5.0	163
7	5/19.50	5/16.43	5/50.43	5.0	163
8	5/17.50	5/14.43	5/50.43	5.0	163
9	5/36.00	5/32.93	5/28.93	5.0	163
10	5/19.50	5/16.43	5/50.43	6.0	200
11	5/35.50	5/31.43	5/26.43	5.5	175
12	5/17.50	5/14.43	5/50.43	5.5	175
13	5/24.50	5/20.43	5/50.43	5.5	175
14	5/19.50	5/16.43	5/50.43	6.5	175
15	5/35.50	5/31.43	5/27.43	5.0	153
16	5/35.50	5/31.43	5/27.43	6.0	200
17	5/27.50	5/23.43	5/50.43	6.0	200
18	5/14.50	5/11.43	5/50.43	6.0	200
19	5/31.00	5/27.93	5/24.93	6.0	200
20	—	5/14.43	5/50.43	6.0	200
21	—	5/17.50	5/50.43	6.0	200
22	—	5/35.43	5/27.43	6.0	200
23	—	5/35.00	5/27.50	6.0	200
24	—	5/41.43	5/15.43	24	34
25	—	5/15.43	5/43.43	24	34
26	—	5/14.43	5/50.43	6.0	200
27	—	5/35.50	5/27.50	6.0	200
28	—	5/14.50	5/50.43	5.0	163

