

REINFORCEMENT BAR LISTS

SHEET 10 OF 11

PROJECT NO. 1397-4
 GRAUNDY-KENDALL COUNTY
 STA. 262+151 TO STA. 262+151

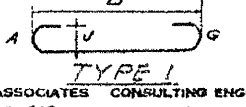
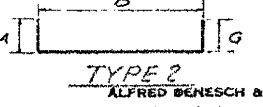
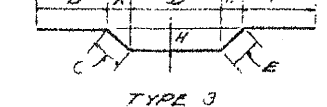
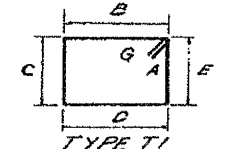
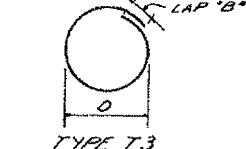
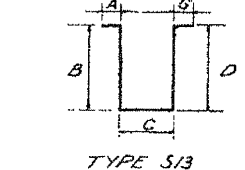
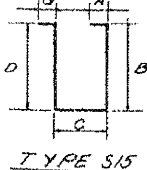
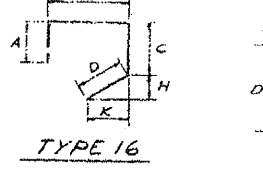
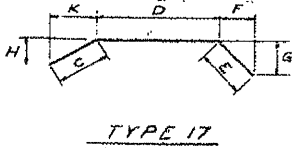
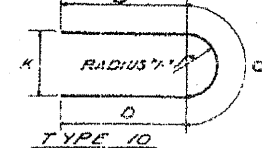
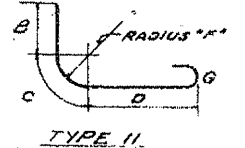
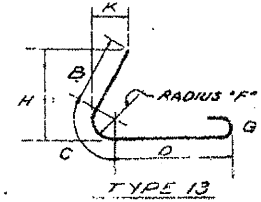
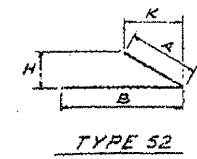
SUPERSTRUCTURE

NO. REQUIRED		SPAN	SIZE	LENGTH	MARK	TYPE	PIERS														
1	2						A	B	C	D	E	F	G	H	K	J					
STRAIGHT BARS																					
20	20	16	4-6	2.8																	
8		8	7-9	2.15																	
8		8	4-3	2.2																	
BENT BARS																					
151	168	168	151	29-0	a1																
40		40	20	26-0	b1																
60	60		25	24-0	b4																
12	12	12	12	17-0	a3																
8	60	60	8	4-6	a2																
4	20	20	4	3-6	a7																
8		8	7-2	a9																	
4		4	6-0	a10																	
8		8	4-3	a11																	
8		8	7-3	a12																	
84		84	26-0	b2																	
123	123		24-0	b5																	
BENT BARS																					
51	55	55	51	32-0	a2	2	1-2	29-4													1-2
60		60	5	5-0	x1	1	7	4-5													5
60	120	120	60	4-5	x2	1	7	3-10													5
102	110	110	102	3-7	a3	16		2-7	1-0												1/2 1-0
24	20	20	24	5-8	s3	515	4	2-1	10	2-1											4
20	40	40	20	7-6	s4	513	4	3-2	6	3-2											4

NO. REQUIRED		PIER	SIZE	LENGTH	MARK	TYPE	PIERS															
1	2						A	B	C	D	E	F	G	H	K	J						
STRAIGHT BARS																						
6	6	6	10	30-0	h23																	
36		36	10	10-3	v13																	
36		36	11	11-3	v14																	
36		36	13	13-3	v15																	
36		36	14	14-0	v16																	
4	4	4	6	30-6	h20																	
4	4	4	6	25-6	h22																	
16	18	18	5	25-6	h21																	
2	2	2	1	33-8	h24																	
40		40	7	7-9	v9																	
40		40	8	8-7	v10																	
6		6	7	7-10	v11																	
6		6	8	8-7	v12																	
6	6	6	1	1-9	v17																	
3	3	3	5	30-6	w1																	
BENT BARS																						
36	36	36	10	5-5	g2	1	1-5	4-0													1/2	
2	2	2	10	36-6	h25	1	1-5	33-8													1/2	
2	2	2	10	39-1	h26	1	1-5	36-3													1/2	
2	2	2	10	39-8	h27	1	1-5	36-10													1/2	
8	8	8	6	3-3	h28	3	1-6	1-9													5 1-8	
31	31	31	6	9-0	e1	1	8	7-8													6	
8	8	8	6	9-2	u6	10	1-6	6-2	1-6												1-1/2 3-11	
40	40	40	15	11-10	s6	71	6	2-8	2-9	2-8	2-9										6	
20	20	20	1	10-0	s7	3-3	3-10														3-3	
20	20	20	7	7-4	u4	2	1-9	3-10													1-9	
18	20	20	1	8-6	u5	10	1-3	6-0	1-3												1-11 3-10	
32	32	32	5	6-8	u7	2	2-0	2-8													2-0	
51	51	51	4	12-0	s5	73	1-3	3-5														

NO. REQUIRED		ABUTMENT	SIZE	LENGTH	MARK	TYPE	ABUTMENTS															
1	2						A	B	C	D	E	F	G	H	K	J						
STRAIGHT BARS																						
8	8	8	7	36-8	h1																	
6	6	6	6	14-0	h18																	
6	6	6	6	10-0	h19																	
4	4	4	4	4-0	d1																	
8	8	8	15-6	h5																		
4	4	4	7-0	h11																		
8	8	8	12-0	h12																		
4	4	4	10-6	h16																		
60	60	60	6	6-0	v1																	
8	8	8	6-9	v3																		
24	24	24	7-9	v4																		
24	24	24	6-8	v5																		
22	22	22	2-4	v6																		
22	22	22	4	3-6	v7																	
BENT BARS																						
8	8	8	6	13-0	u1	2	4-6	4-0													4-6	
12	12	12	4	19-3	h4	1	6	18-9													4	
4	4	4	1	18-6	h5	3															4	
4	4	4	4	4-0	h7	52	6	3-6													17-11 7	
4	4	4	4	4-3	h8	17															5 3/2	
10	10	10	11	11-8	h13	2	1-0	10-8													7 9	
5	5	5	11	11-2	h14	1	6	10-8													4	
5	5	5	11	11-3	h15	2	7	10-8														
4	4	4	10	10-11	h17	3															10 10	
32	32	32	13	13-10	s1	71	5	4-1	2-5	4-1	2-5										5	
15	15	15	5	5-2	s2	5	5	1-6	8	1-6	8										5	
22	22	22	7	7-9	u2	2	1-6	12-9														
34	34	34	1	1-0	v2	16	1-0	1-6	1-4	1-0											82 82	
2	2	2	2	2-6	v8	3															10 10	
2	2	2	4	3-6	v9	3															10 10	

NO. REQUIRED		DRAINAGE TROUGH	SIZE	LENGTH	MARK	TYPE	DRAINAGE TROUGH															
1	2						A	B	C	D	E	F	G	H	K	J						
STRAIGHT BARS																						
48	48	48	25	25-0	z1																	
BENT BARS																						
50	50	50	2	2-9	z2	16															82 7	



14. ALL DIMENSIONS OUT TO OUT UNLESS OTHERWISE SPECIFIED ARE ZERO

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
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REINFORCEMENT