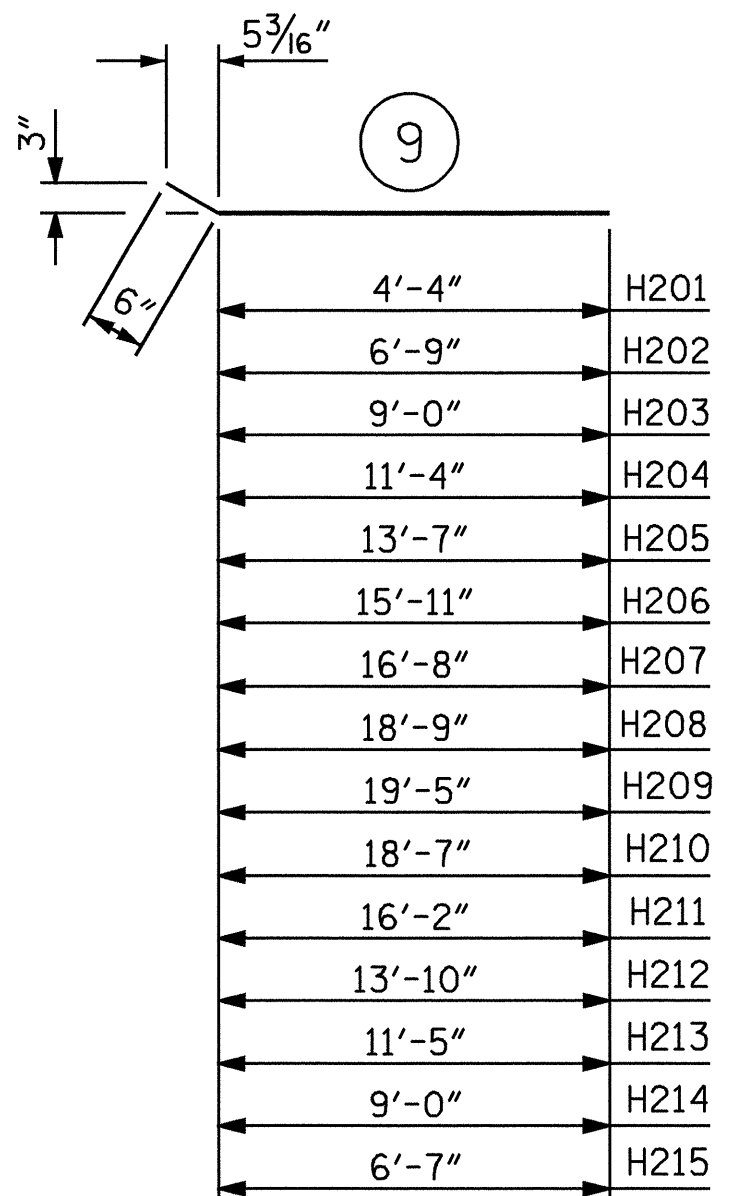
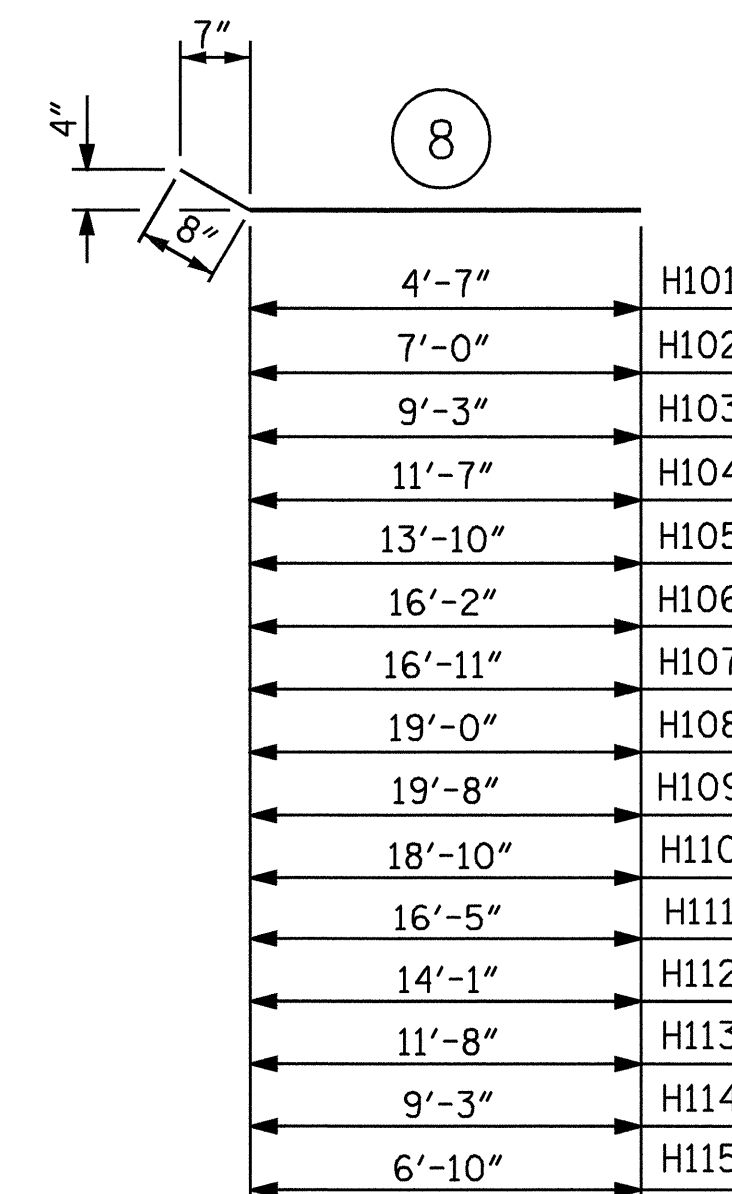
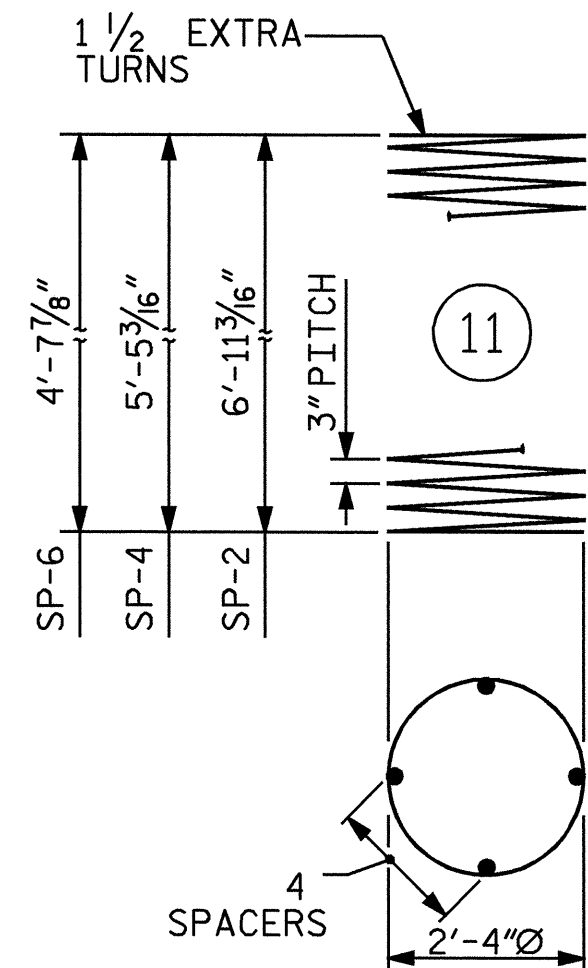
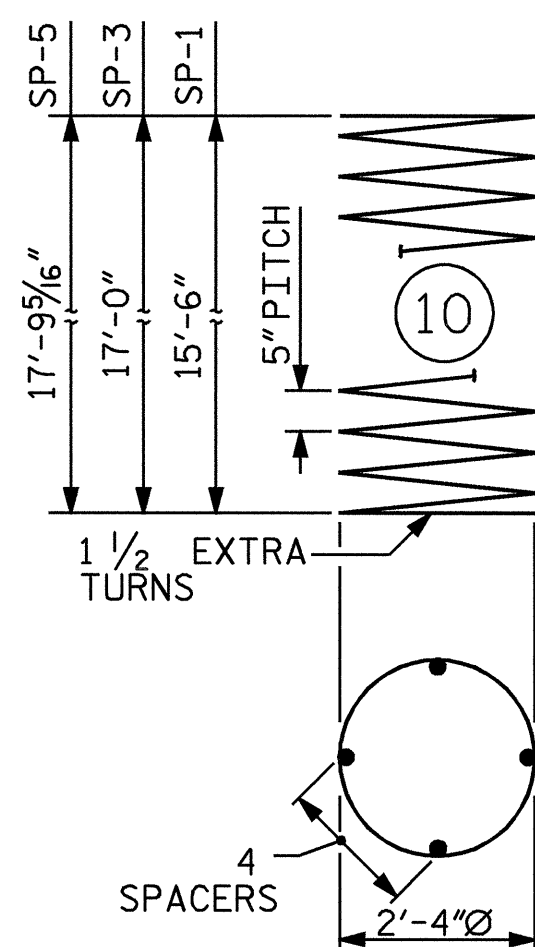
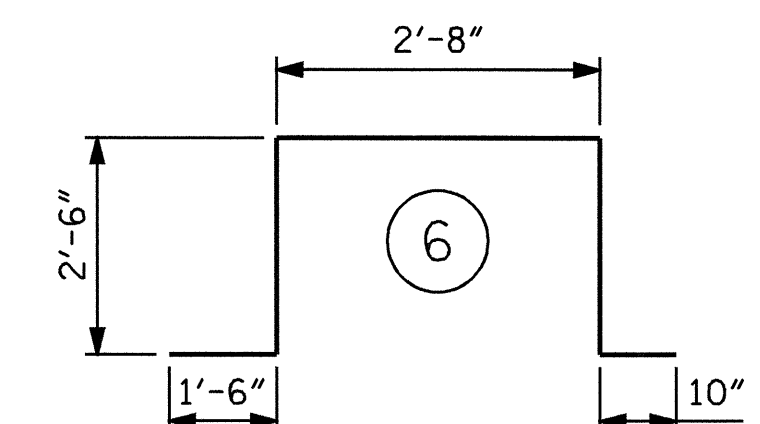
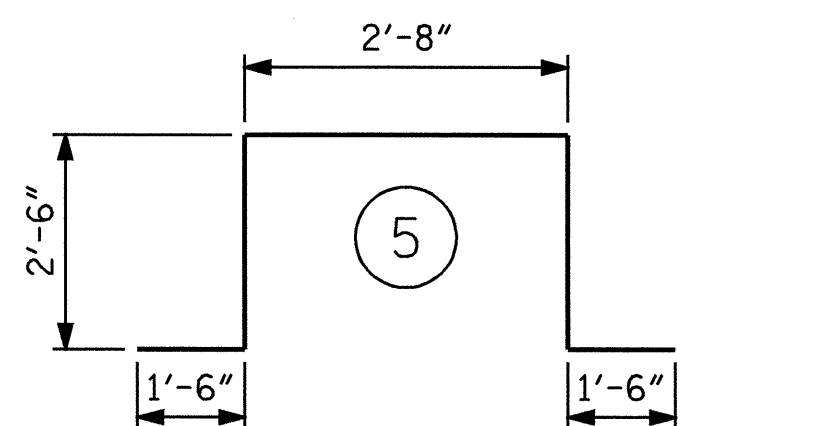
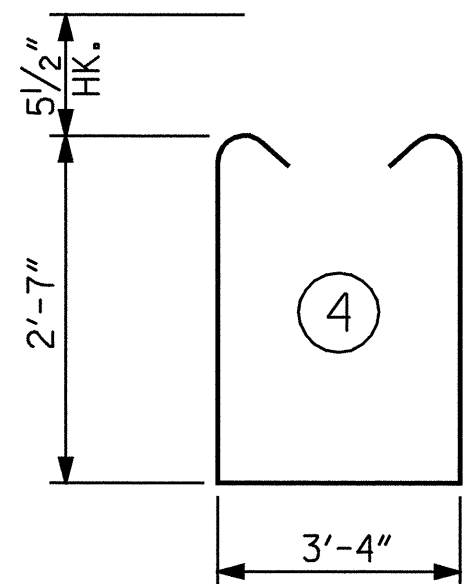
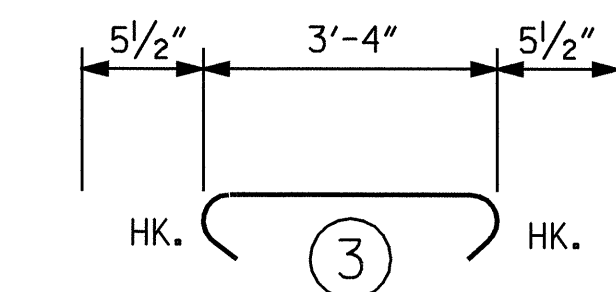
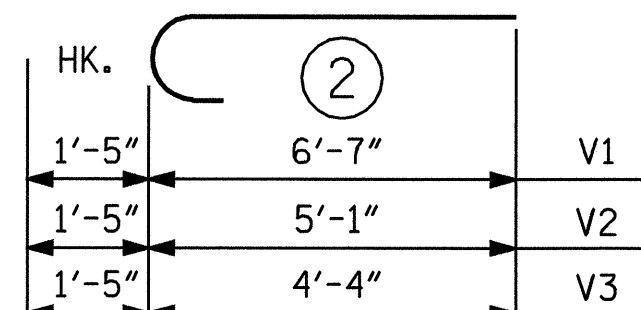
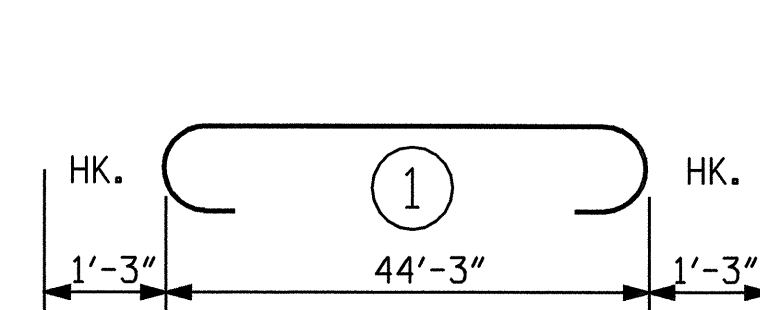


BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT No.2

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT			
B1	10	9	1	46'-9"	1590	U1	51	4	7	3'-8"	125	SP-1	5	**	10	280'-0"	1460
B2	4	5	STR	44'-5"	185	U2	6	4	7	6'-4"	25	SP-2	5	*	11	216'-2"	722
B3	18	4	STR	3'-0"	36	U3	72	4	7	3'-6"	168	SP-3	1	**	10	308'-9"	322
B4	10	5	STR	28'-3"	295	U4	30	5	7	5'-0"	156	SP-4	1	*	11	172'-11"	116
B5	10	9	STR	30'-4"	1031	U5	30	5	7	6'-6"	203	SP-5	1	**	10	323'-1"	337
						U6	10	6	6	10'-0"	150	SP-6	1	*	11	151'-4"	101
D1	54	6	STR	1'-6"	122	U7	27	6	5	10'-8"	433	SPIRAL COLUMN REINFORCING STEEL LBS. 3058					
H1	12	6	STR	44'-5"	801	U8	4	5	7	6'-7"	40	CLASS A CONCRETE BREAKDOWN					
						U9	4	5	7	7'-3"	44	POUR #2 (SHEET PILE CAP) 12.9 C. Y.					
H101	1	6	8	5'-3"	8	U10	4	5	7	7'-2"	43	POUR #3 (RETAINING WALL, COLUMNS, & WINGS) 28.5 C. Y.					
H102	1	6	8	7'-8"	12	U11	4	5	7	6'-11"	42	POUR #4 (CAP & WINGS) 26.4 C. Y.					
H103	1	6	8	9'-11"	15	U12	4	5	7	6'-8"	40	POUR #5 (BACKWALL & WINGS) 16.5 C. Y.					
H104	1	6	8	12'-3"	18	U13	4	5	7	6'-6"	39	TOTAL CLASS A CONCRETE 84.3 C. Y.					
H105	1	6	8	14'-6"	22	V1	70	10	2	8'-0"	2410	3'-0" Ø DRILLED PIERS					
H106	1	6	8	16'-10"	25	V2	14	10	2	6'-4"	392	DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS) 30.3 C. Y.					
H107	1	6	8	17'-7"	26	V3	14	10	2	5'-9"	346	3'-0" Ø DRILLED PIERS NOT IN SOIL 55.0 LIN. FT.					
H108	1	6	8	19'-8"	30	V4	74	5	STR	6'-4"	489	3'-0" Ø DRILLED PIERS IN SOIL 60.8 LIN. FT.					
H109	16	6	8	20'-4"	489	V5	80	6	STR	4'-10"	581	CSL TUBES FOR 3'-0" Ø DRILLED PIER: 533.1 FT.					
H110	1	6	8	19'-6"	29	V6	2	6	STR	6'-9"	20	18" STEEL SHEET PILES (PZ27): 675.0 SQ. FT.					
H111	1	6	8	17'-1"	26	V7	2	6	STR	7'-2"	22	* THE SP-2, SP-4 & SP-6 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
H112	1	6	8	14'-9"	22	V8	2	6	STR	7'-7"	23	* THE SP-1, SP-3 & SP-5 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
H113	1	6	8	12'-4"	19	V9	2	6	STR	8'-0"	24						
H114	1	6	8	9'-11"	15	V10	2	6	STR	8'-5"	25						
H115	1	6	8	7'-6"	11	V11	2	6	STR	8'-11"	27						
H201	1	6	9	4'-10"	7	V12	2	6	STR	9'-4"	28						
H202	1	6	9	7'-3"	11	V13	2	6	STR	9'-9"	29						
H203	1	6	9	9'-6"	14	V14	2	6	STR	10'-3"	31						
H204	1	6	9	11'-10"	18	V15	2	6	STR	3'-1"	9						
H205	1	6	9	14'-1"	21	V16	2	6	STR	3'-6"	11						
H206	1	6	9	16'-5"	25	V17	2	6	STR	3'-10"	12						
H207	1	6	9	17'-2"	26	V18	2	6	STR	4'-2"	13						
H208	1	6	9	19'-3"	29	V19	2	6	STR	11'-8"	35						
H209	16	6	9	19'-11"	479	V20	2	6	STR	12'-2"	37						
H210	1	6	9	19'-1"	29	V21	2	6	STR	12'-7"	38						
H211	1	6	9	16'-8"	25	V22	2	6	STR	13'-0"	39						
H212	1	6	9	14'-4"	22	V23	20	6	STR	13'-3"	398						
H213	1	6	9	11'-11"	18	V24	2	6	STR	12'-11"	39						
H214	1	6	9	9'-6"	14	V25	2	6	STR	12'-6"	38						
H215	1	6	9	7'-1"	11	V26	8	6	STR	5'-10"	70						
K1	16	4	STR	23'-5"	250	V27	2	6	STR	11'-2"	34						
K2	8	4	STR	3'-5"	18	V28	2	6	STR	10'-9"	32						
M1	70	10	STR	22'-0"	6627	V29	2	6	STR	10'-5"	31						
M2	14	10	STR	23'-6"	1416	V30	2	6	STR	10'-0"	30						
M3	14	10	STR	24'-3"	1461	V31	2	6	STR	9'-8"	29						
S1	34	5	3	4'-3"	151	V32	2	6	STR	9'-3"	28						
S2	34	5	4	9'-5"	334	V33	2	6	STR	8'-11"	27						
						V34	2	6	STR	8'-6"	26						
						V35	30	6	STR	8'-1"	364						
						V36	4	6	STR	7'-0"	42						
						V37	2	6	STR	6'-1"	18						
						V38	2	6	STR	5'-1"	15						
REINFORCING STEEL														23203 LBS.			

DRAWN BY: A. V. ROYAL DATE: 2/05  
 CHECKED BY: M. BRITT DATE: 2/18/05

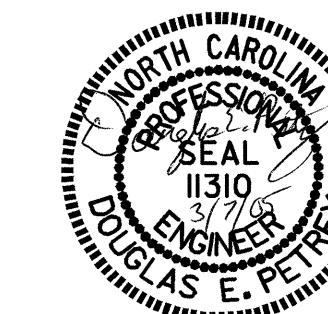
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PROJECT NO. B-3922  
 WATAUGA COUNTY  
 STATION: 11+06.50 -L-

SHEET 6 OF 6

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT No.2



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-34	
1			3			TOTAL SHEETS	41
2			4				