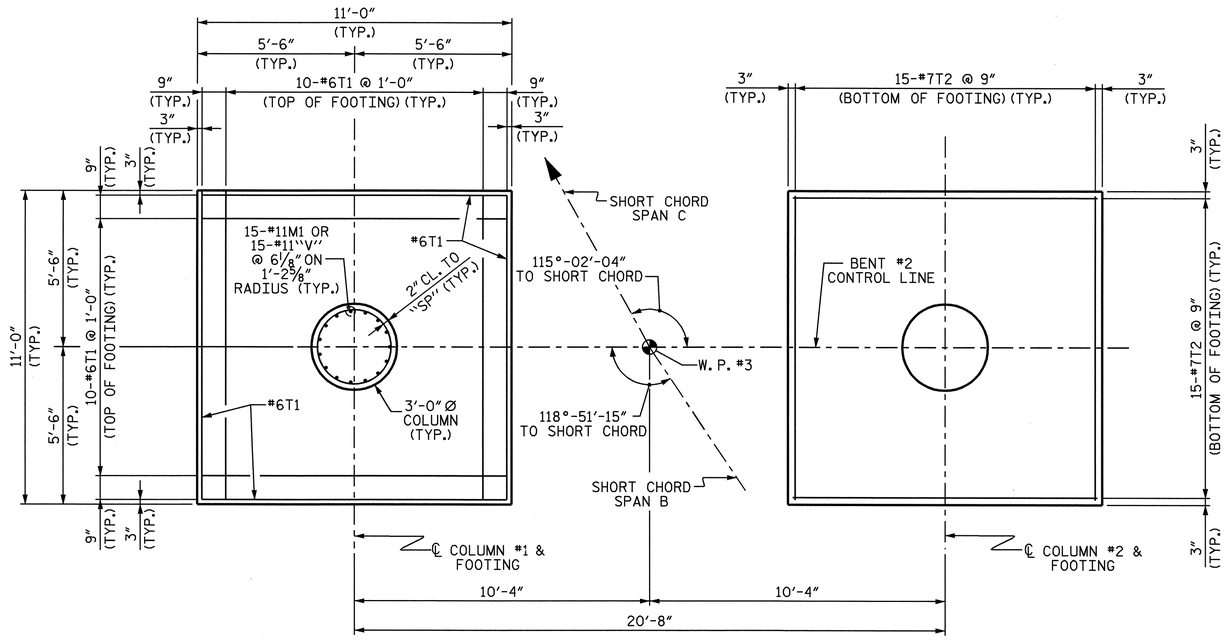
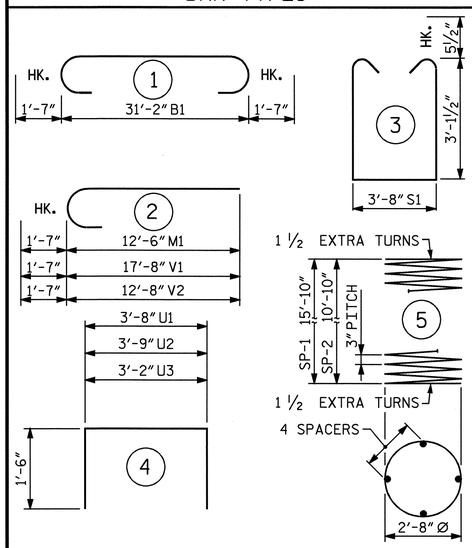


PLAN OF COLUMNS AND FOOTINGS

(FOOTINGS ARE IDENTICAL)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT #2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#11	1	34'-4"	1094
B2	6	#11	STR	31'-4"	999
B3	4	#5	STR	31'-4"	131
B4	6	#4	STR	13'-0"	52
M1	30	#11	2	14'-1"	2245
S1	43	#5	3	10'-10"	486
T1	48	#6	STR	10'-8"	769
T2	60	#7	STR	10'-8"	1308
U1	40	#4	4	6'-8"	178
U2	4	#4	4	6'-9"	18
U3	4	#4	4	6'-2"	16
V1	15	#11	2	19'-3"	1534
V2	15	#11	2	14'-3"	1136

REINFORCING STEEL = 9966 LBS

SP-1	1	*	5	556'-7"	372
SP-2	1	*	5	389'-2"	260

SPRIAL REINFORCING STEEL = 632 LBS

CLASS AA CONCRETE

POUR #1 FOOTINGS — CU. YDS. 22.4

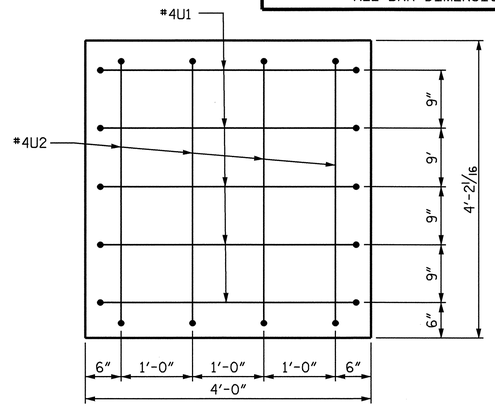
POUR #2 COLUMNS — CU. YDS. 6.9

POUR #3 CAP — CU. YDS. 17.7

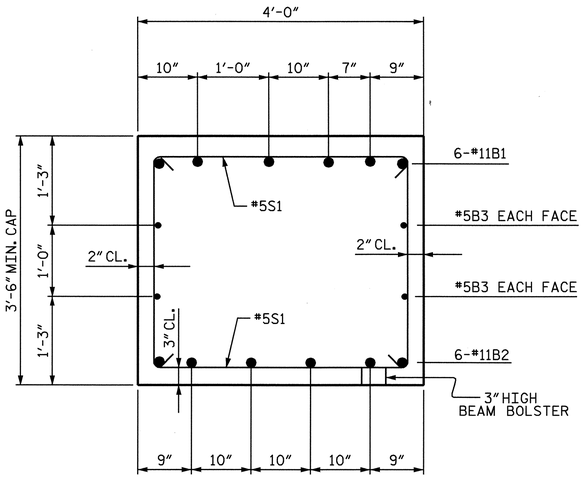
TOTAL CLASS AA CONCRETE — CU. YDS. 47.0

FOUNDATION EXCAVATION — LUMP SUM

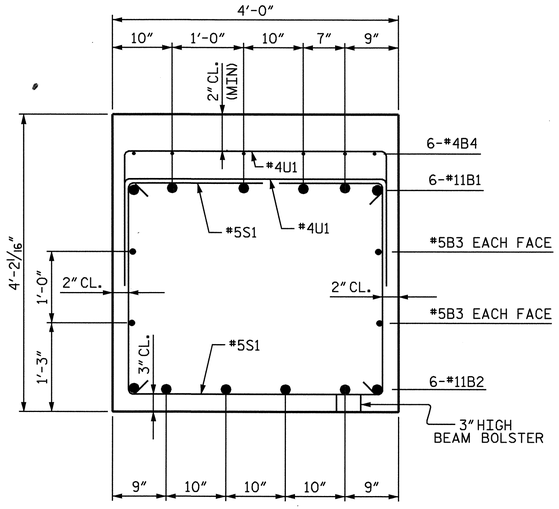
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR,



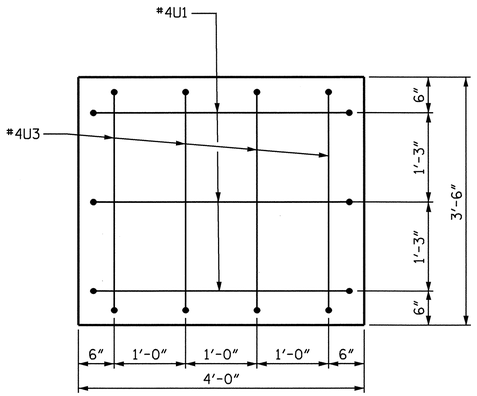
LEFT END VIEW



SECTION A-A



SECTION B-B



RIGHT END VIEW

2" MIN. CONCRETE COVER REQUIRED FOR ALL #4 "U" BARS.

#4 "U" BARS MAY BE SHIFTED UP TO 2" TO CLEAR "B" BARS.

NORTH CAROLINA PROFESSIONAL SEAL 10730 ENGINEER D. ANDREW DAVENPORT JR

PROJECT NO. B-3506

RANDOLPH COUNTY

STATION: 17+97.50-L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT #2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-28
1			3			TOTAL SHEETS
2			4			35

DRAWN BY : H. T. BARBOUR DATE : 4-13-04
CHECKED BY : D. A. DAVENPORT DATE : 4-04

07-JUL-2004 15:38
w:\squadj\b3506\tbarbour\Microstation\B-3506_sd_B*_01.dgn
adavenport

STR. #1

NC005