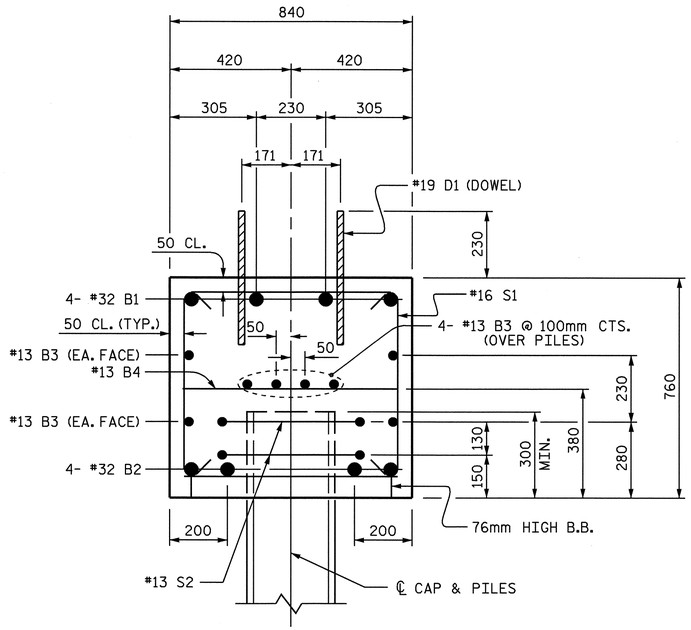
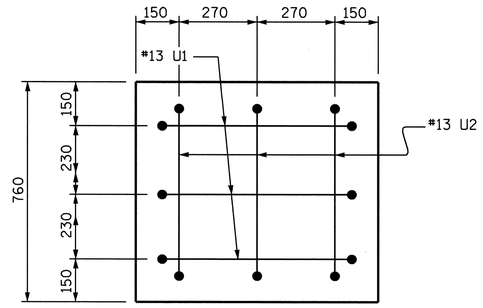
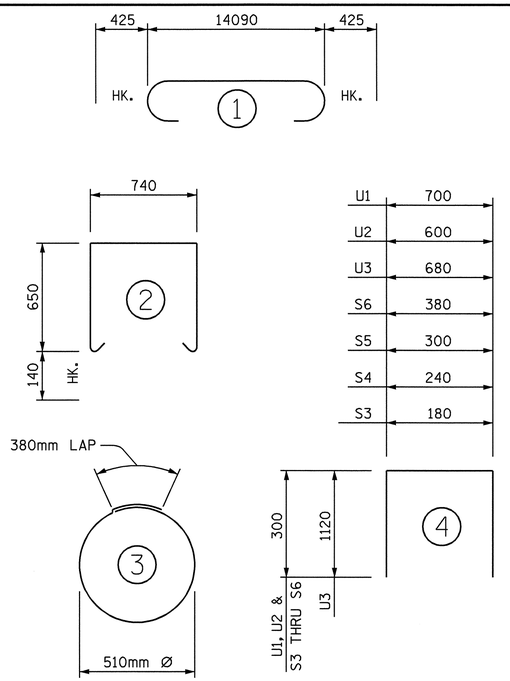


SECTION THRU CAP



VIEW ''X-X''

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BENT #2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#32	1	14940	383
B2	4	#32	STR	14120	362
B3	16	#16	STR	7440	118
B4	16	#13	STR	740	12
D1	56	#19	STR	460	58
S1	54	#16	2	2320	194
S2	16	#13	3	1980	31
S3	2	#13	4	780	2
S4	2	#13	4	840	2
S5	2	#13	4	900	2
S6	2	#13	4	980	2
U1	6	#13	4	1300	8
U2	6	#13	4	1200	7
U3	2	#29	4	2920	30

REINFORCING STEEL = 1211 KG

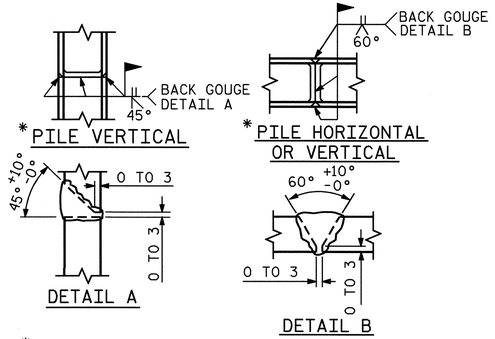
CLASS ''A'' CONCRETE BREAKDOWN

POUR #1 (CAP)	=	9.1	m^3
POUR #2 (LATERAL GUIDE)	=	0.1	m^3
CLASS ''A'' CONCRETE TOTAL	=	9.2	m^3

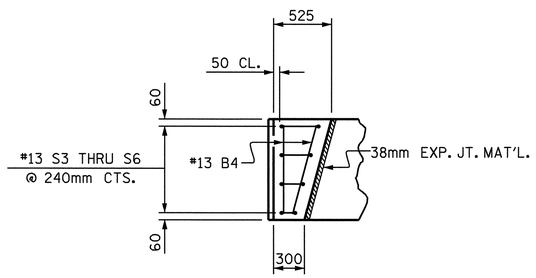
HP 310 X 79 STEEL PILES

NO. 8 104.0 m

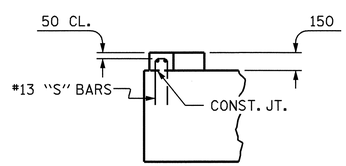
GALVANIZING STEEL PILES LUMP SUM



PILE SPLICE DETAILS



PLAN



ELEVATION

LATERAL GUIDE DETAILS

PROJECT NO. R-2514A

ONSLOW COUNTY

STATION: 182+87.400-L-MED

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT #2
RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-38
1			3			TOTAL SHEETS
2			4			46

NORTH CAROLINA PROFESSIONAL SEAL 15825 ENGINEER D. KLAPPENBACH
4-7-04

DRAWN BY : D. A. GLADDEN DATE : 10-31-03
CHECKED BY : G.M. Patterson DATE : 12-09-03

07-APR-2004 11:53
W:\squadl\R2514a\Strland2\dgladden\Microstation\xR2514A_sd_B2_02.dgn
dgladden

STR. #2