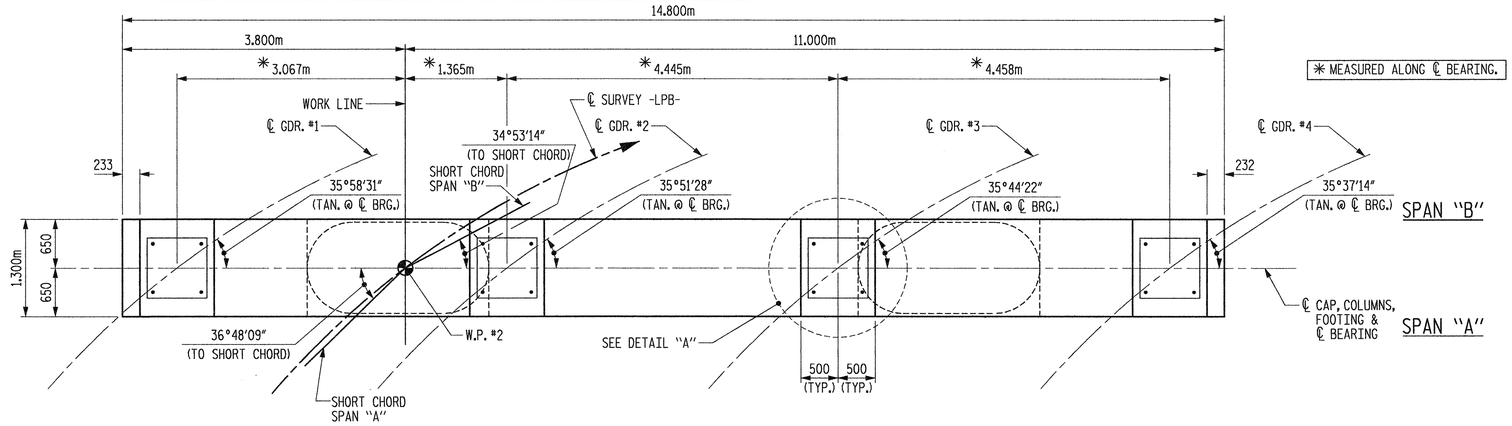
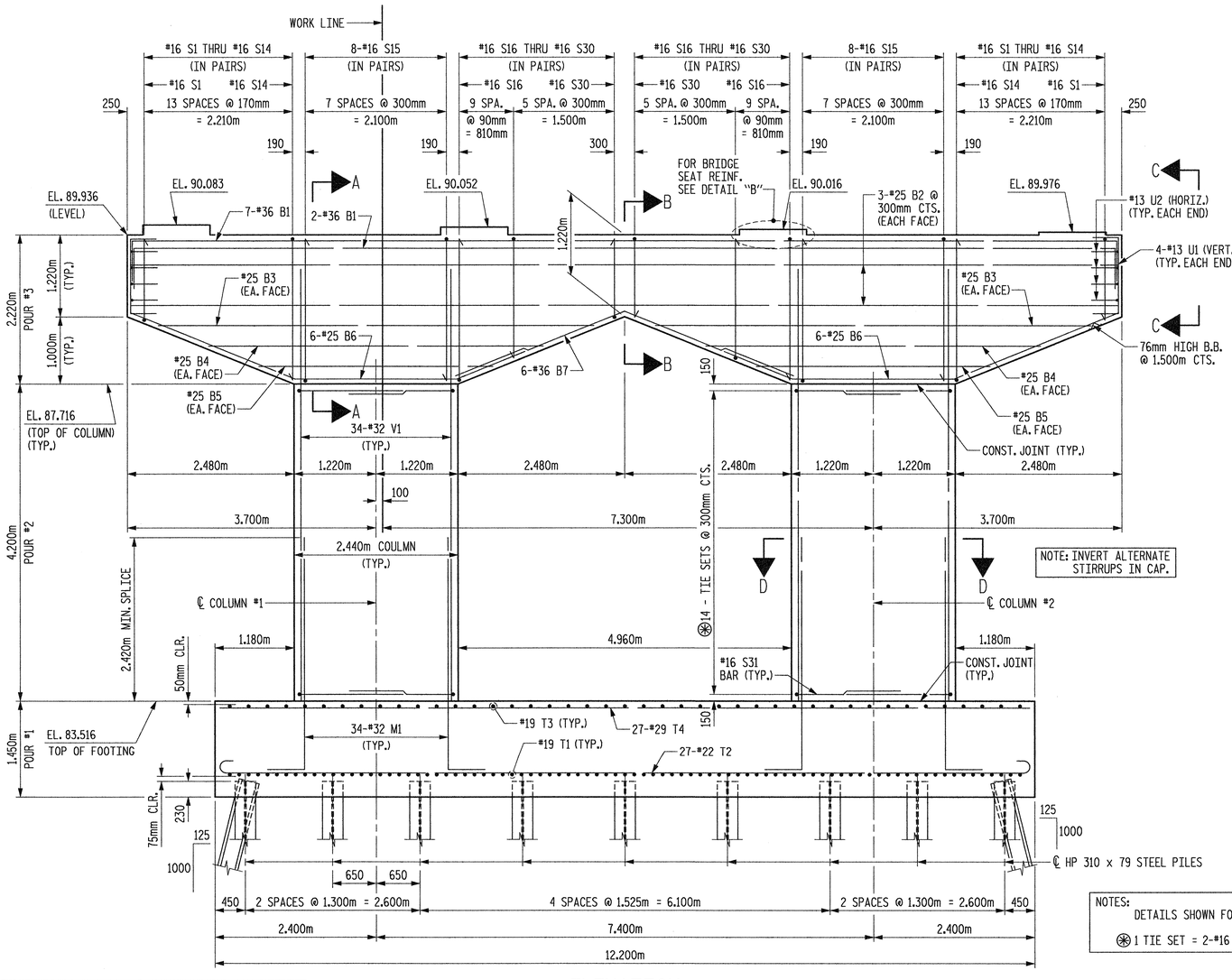


* MEASURED ALONG ℄ BEARING.

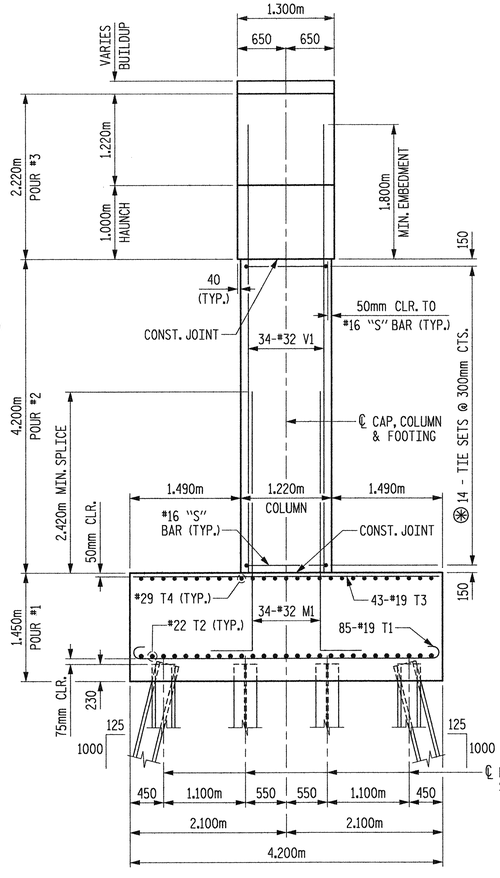
PLAN



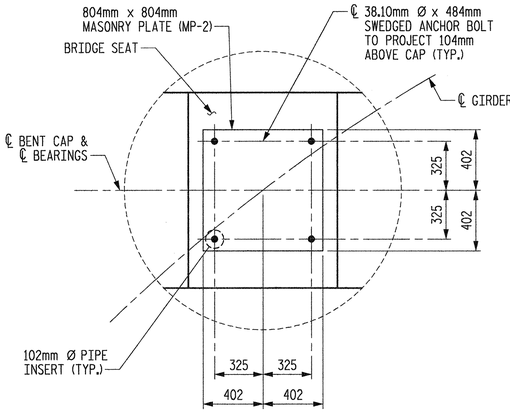
NOTE: INVERT ALTERNATE STIRRUPS IN CAP.

NOTES:
DETAILS SHOWN FOR COLUMNS ARE TYPICAL.
⊛ 1 TIE SET = 2-#16 S31 & 3-#16 S32

ELEVATION

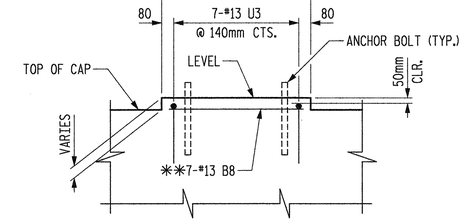


END ELEVATION



DETAIL "A"

(TYP. EACH SEAT)



DETAIL "B"

** 7-#13 B8 SHALL BE PLACED IN LINE WITH THE 7-#36 B1.

NOTES:

STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.

PILES SHALL BE DRIVEN TO A MINIMUM BEARING CAPACITY OF 530 kN EACH.

FOR PILE SPLICE DETAILS, SEE "SUBSTRUCTURE END BENT #1", SHEET 3 OF 3.

WHEN DRIVING PILES, THE MAXIMUM BLOW COUNT SHALL NOT BE EXCEEDED.

DETAILED DRAWINGS FOR FALSEWORK AND FORMS FOR THIS HAMMERHEAD BENT SHALL BE SUBMITTED FOR BENT CAP. SEE SHEET SNSM AND SPECIAL PROVISIONS.

FOR OTHER NOTES, SEE "GENERAL NOTES AND TOTAL BILL OF MATERIAL" SHEET.

FOR SECTION A-A, SECTION B-B, END VIEW C-C AND SECTION D-D, SEE SHEET 2 OF 3.

PROJECT NO. R-2552AA

WAKE-JOHNSTON COUNTY

STATION: 27+51.601 -I1Y1-

SHEET 1 OF 3

METRIC

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT #1

DRAWN BY: B.E. LANNING DATE: JAN. 2005
CHECKED BY: J.C. KO / A.K. ORR DATE: JAN. 2005

Plans prepared by:
KO & ASSOCIATES, P.C.
Consulting Engineers
1011 SCHAUB DR. SUITE #202
RALEIGH, N.C. 27606
For Division of Highways

NORTH CAROLINA PROFESSIONAL SEAL 5601 ENGINEER CHIH KUO KO 01/28/05

DWG. NO. 31

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-67
1			3			TOTAL SHEETS 129
2			4			

PLOT: 01/28/2005 07:45:32 AM Ko & Associates, P.C.
FILE NAME: r:\r-2552aa_sd_bib_B2.dgn