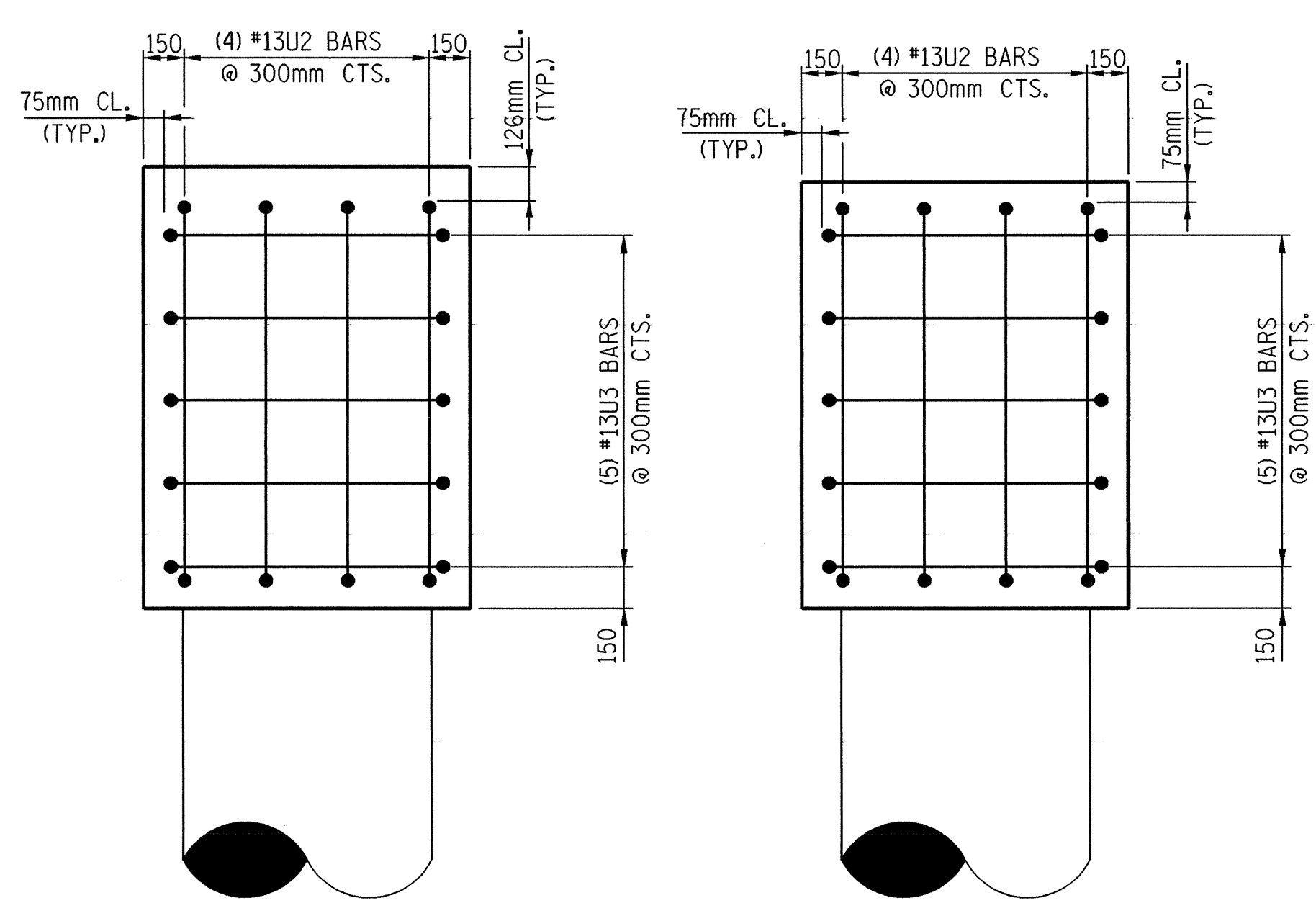
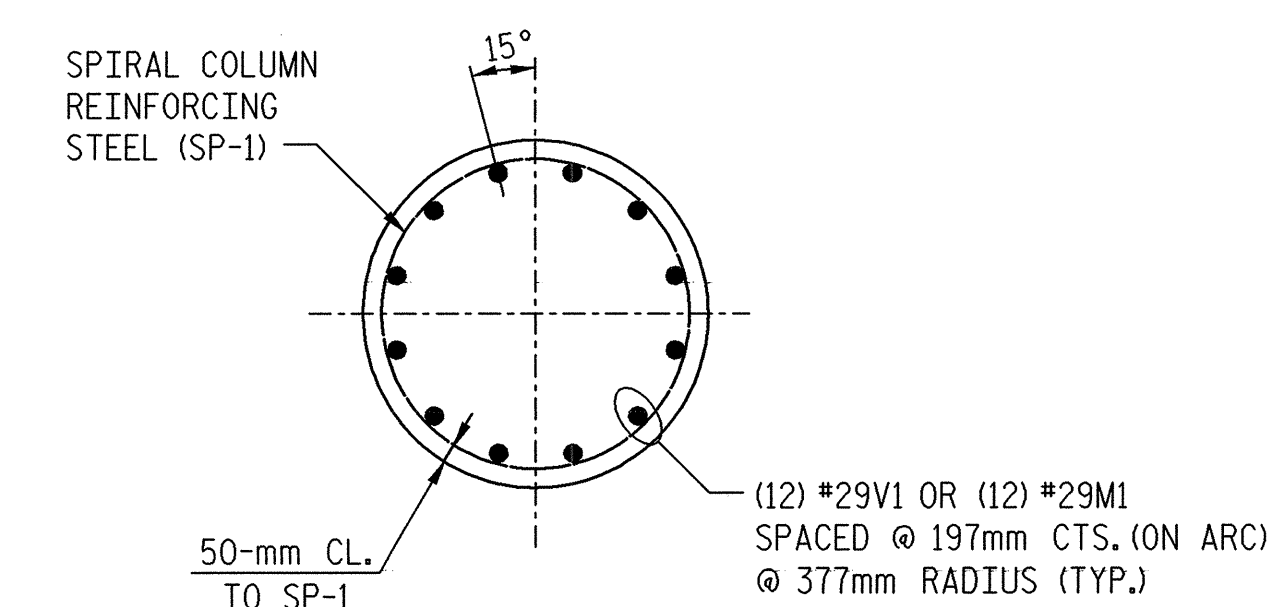


SECTION "A-A"

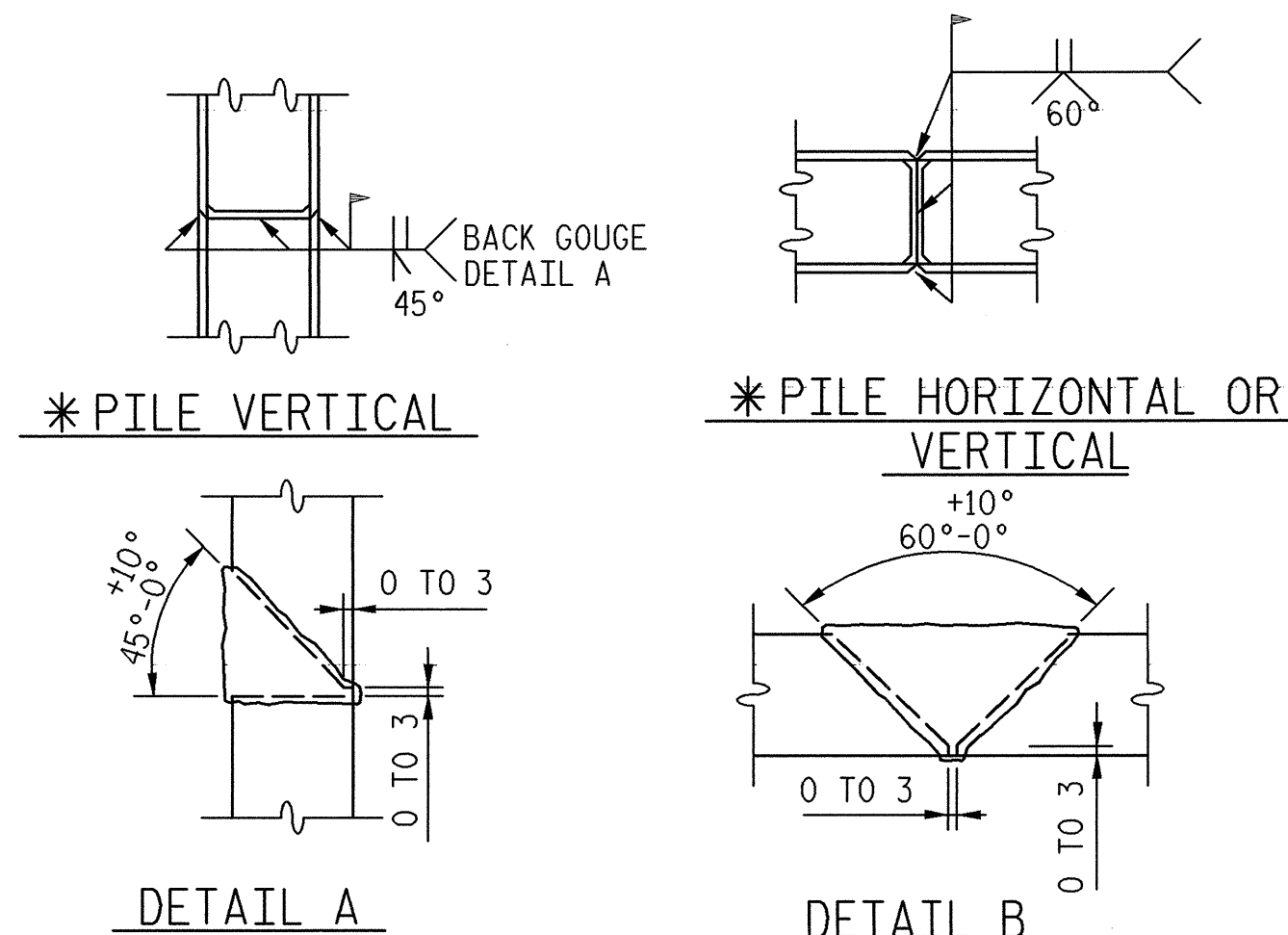


SECTION "X-X"

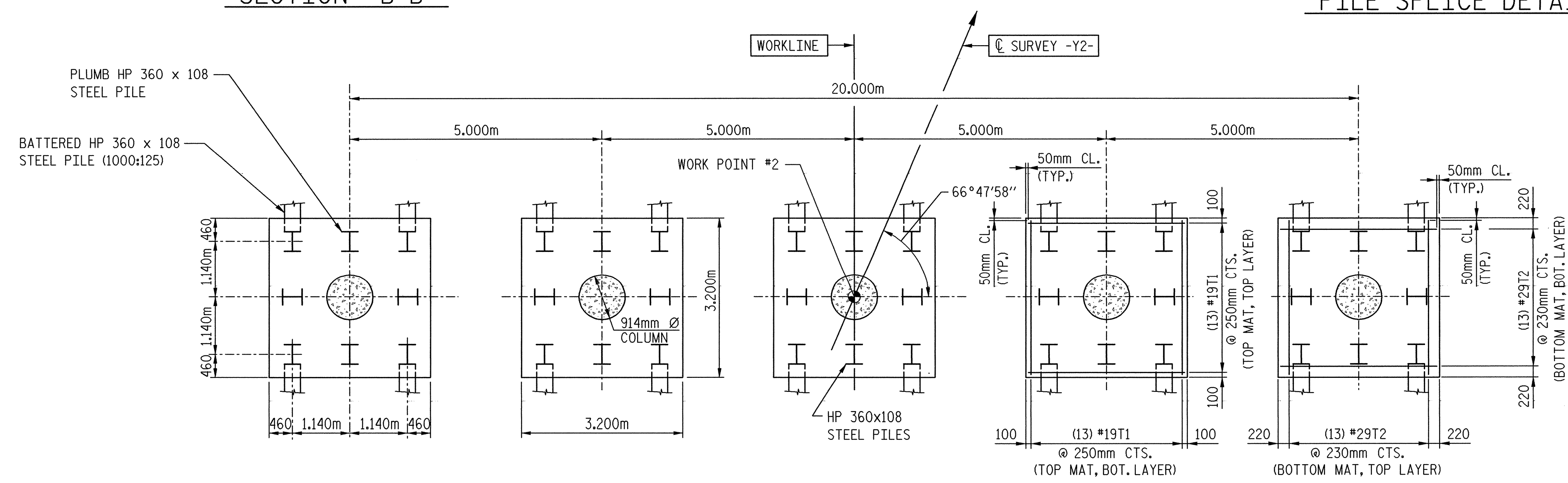
SECTION "Y-Y"



SECTION "B-B"



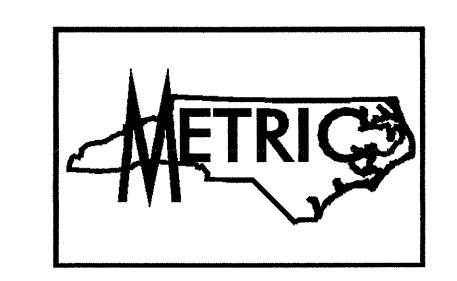
PILE SPLICE DETAILS



PILE CAP PLAN

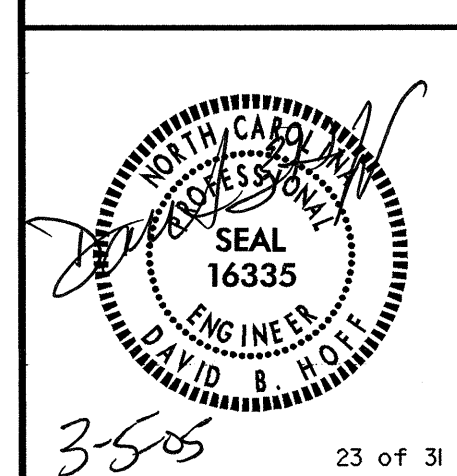
NOTE: DETAILS SHOWN ARE TYPICAL FOR ALL COLUMNS AND PILE CAPS UNLESS OTHERWISE NOTED.

BAR TYPES				BILL OF MATERIALS					
ALL BAR DIMENSIONS ARE OUT TO OUT.				BENT #1					
1	140	920	HK.	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
2	380	6240	V1	B1	14	#32	STR.	12860	1153
3	380	2320	M1	B2	12	#16	STR.	12120	226
4	430	13390	B3	B3	14	#32	STR.	13820	1239
				B4	14	#13	STR.	6480	90
				M1	60	#29	STR.	2700	820
				S1	188	#16	STR.	3980	1161
				T1	130	#19	STR.	3100	901
				T2	130	#29	STR.	3860	2539
				U1	56	#13	STR.	2000	111
				U2	8	#13	STR.	2240	18
				U3	10	#13	STR.	1940	19
				V1	60	#29	STR.	6620	2010
				REINFORCING STEEL (kg.) 10287					
				SP1 5 ** (5) 183178 913					
				SPIRAL REINFORCING STEEL (LBS) 913					
				** THE 'SP' SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.					
				BENT 1 TOTAL QUANTITIES					
				CLASS A CONCRETE BREAKDOWN					
				POUR #1 (PILE CAPS) (m <sup>3</sup> ) 57.3					
				POUR #2 (COLUMNS) (m <sup>3</sup> ) 17.2					
				POUR #3 (CAP) (m <sup>3</sup> ) 44.9					
				TOTAL CLASS A CONCRETE (m <sup>3</sup> ) 119.4					
				HP 360x108 STEEL PILES					
				TOTAL NO. = 40 LIN. METERS = 889.0					



PROJECT NO. R-2552AB  
 JOHNSTON COUNTY  
 STATION: 52+34.693 -L- = 18+60.011 -Y2-  
 SHEET 2 OF 2

TRANSYSTEMS CORPORATION  
 75 Beattie Plaza, Suite 400  
 Greenville, SC 29601 (864) 234-0866



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT #1 DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

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DRAWN BY: M.L. MARLEY DATE: 12/25/00  
 CHECKED BY: D.B. HOFF DATE: 4/01/03