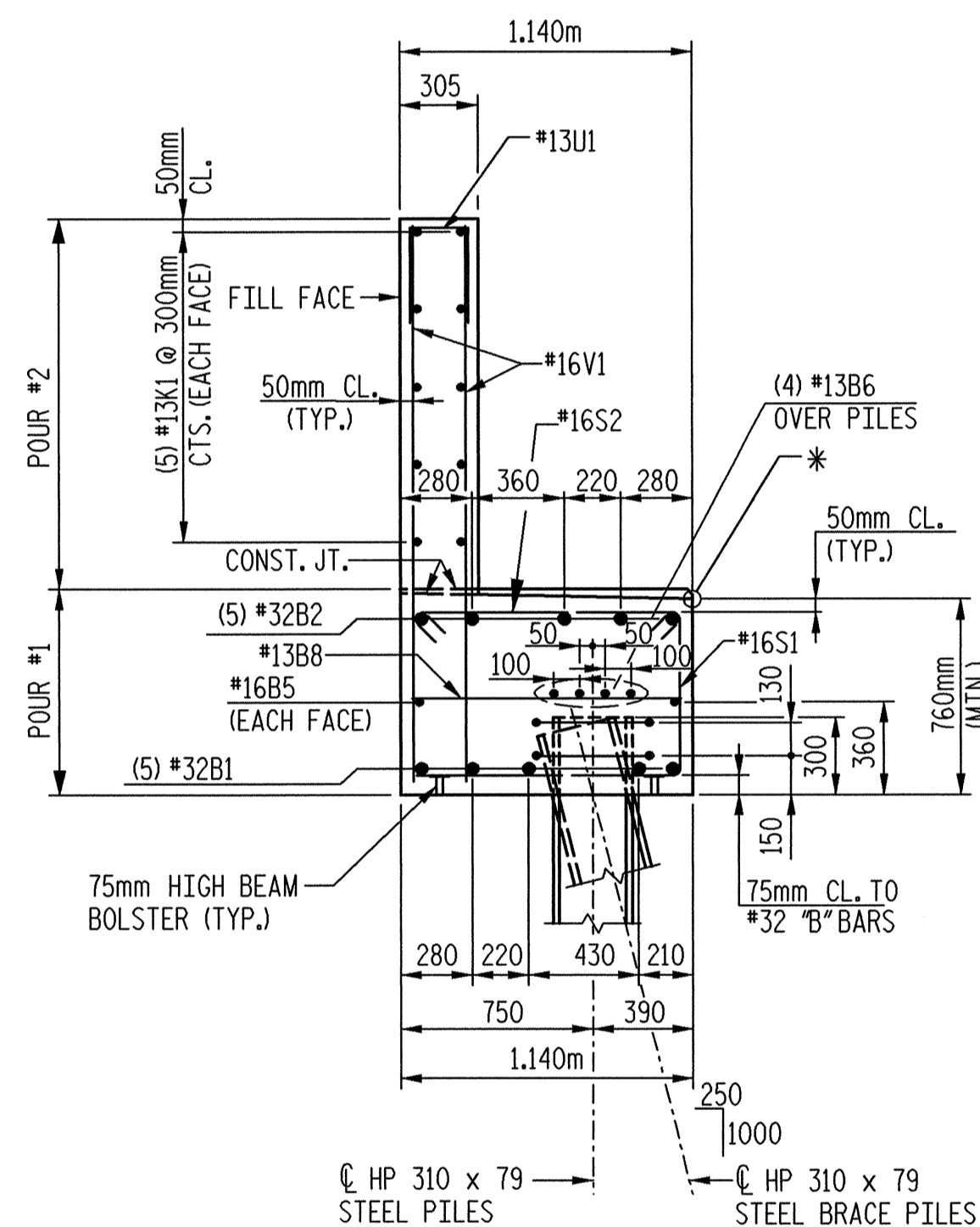


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

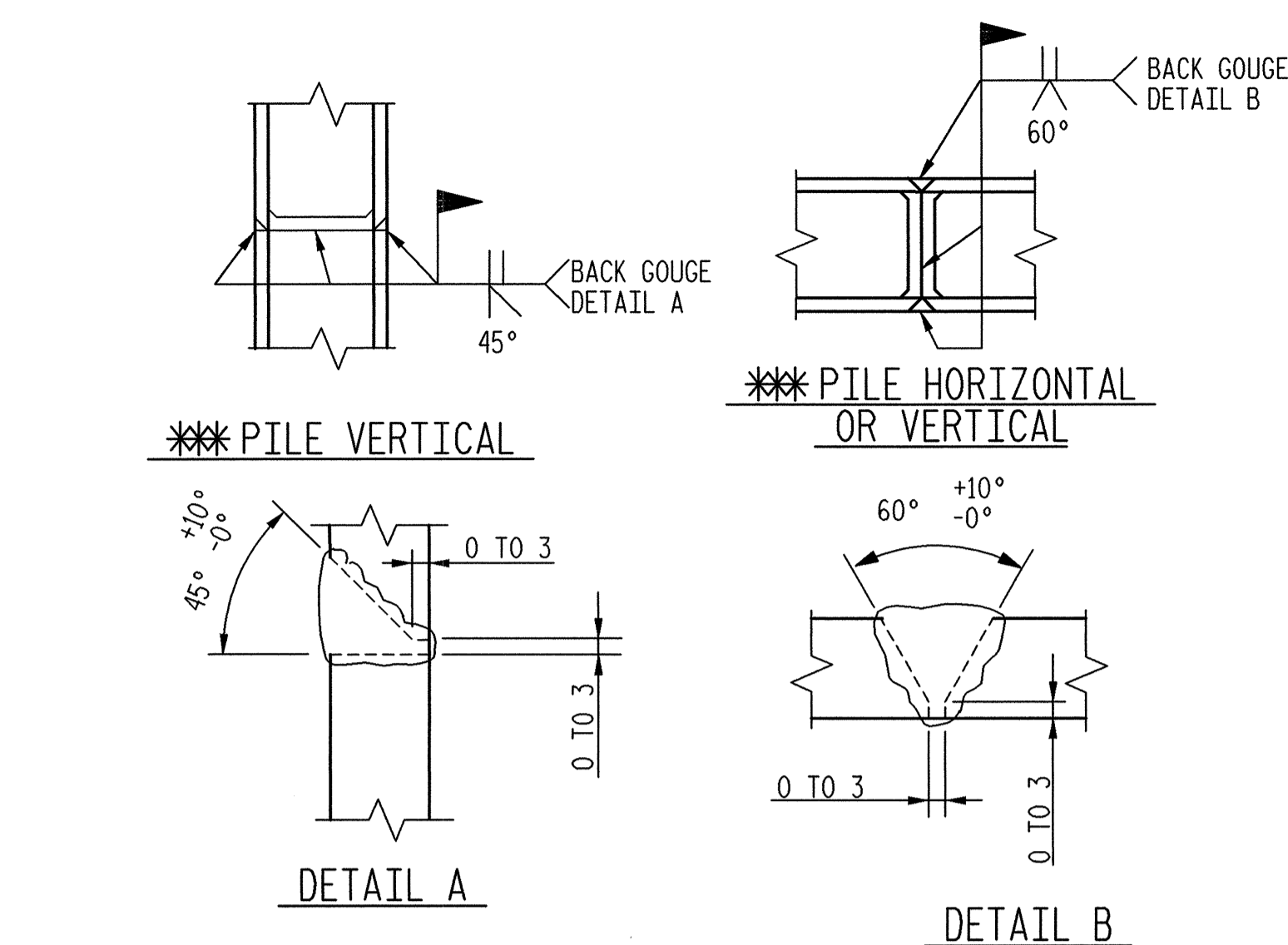
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



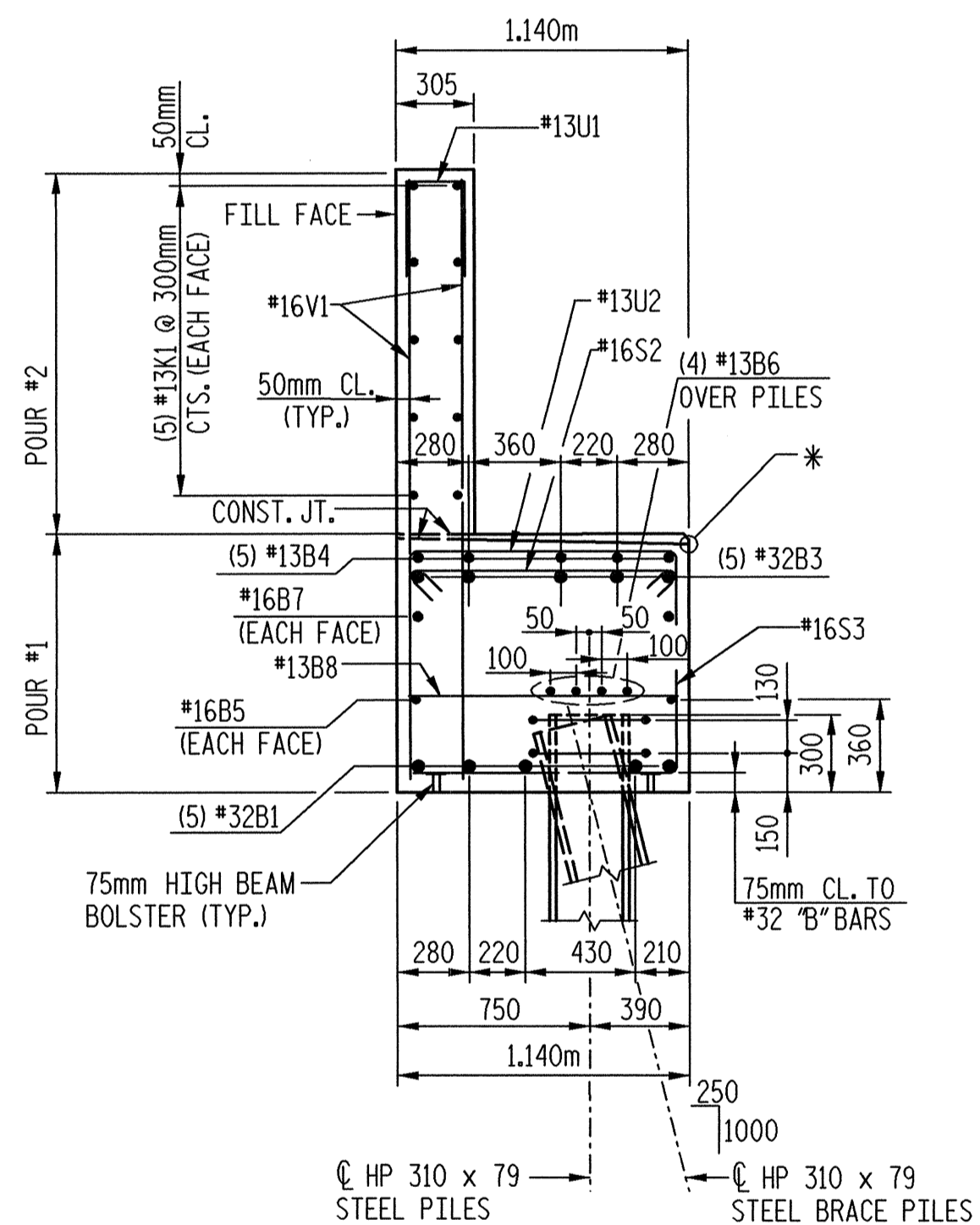
SECTION A-A

* ELEVATIONS BETWEEN BRIDGE SEAT BUILDUPS ARE SHOWN AT THIS POINT



*** POSITION OF PILE DURING WELDING.

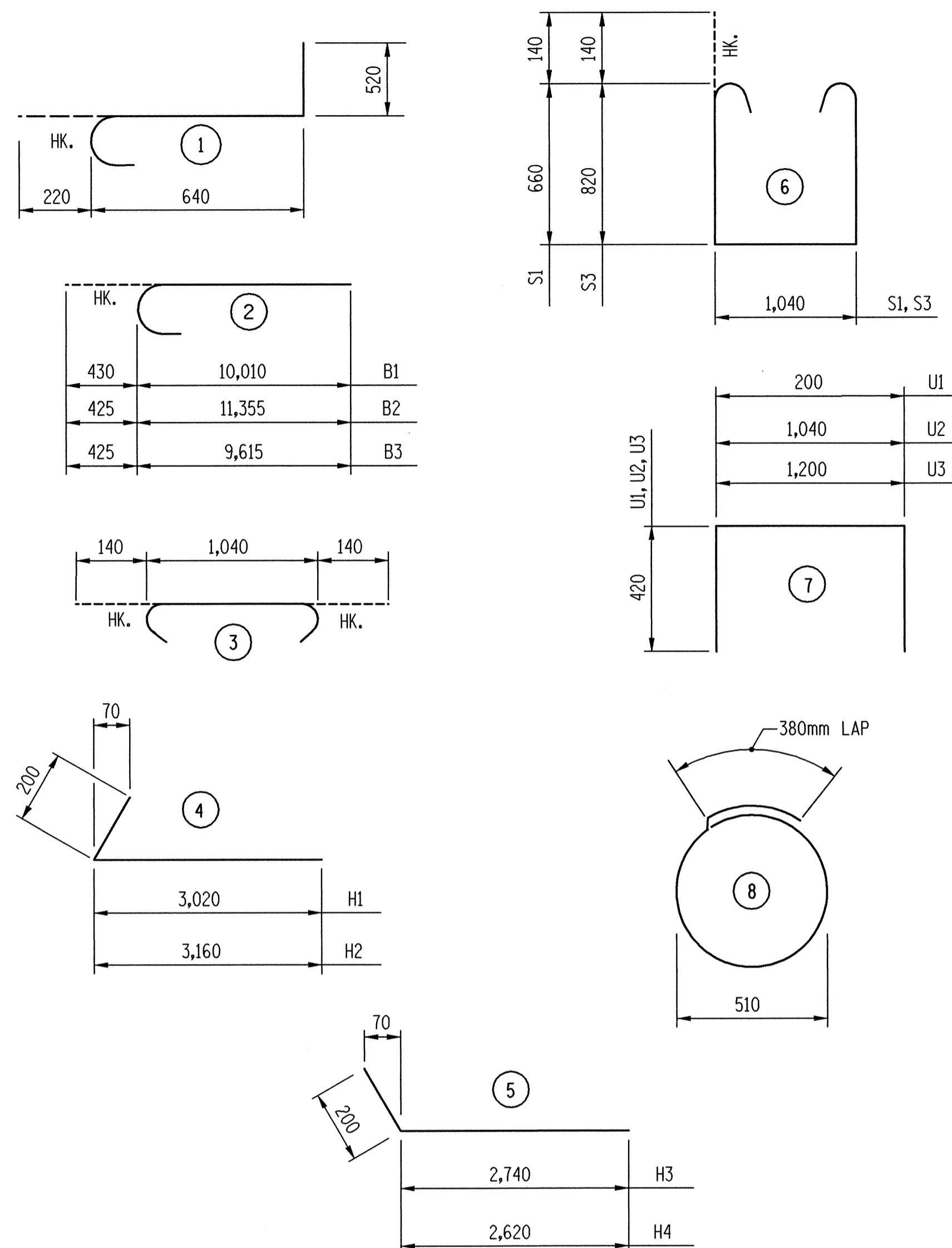
PILE SPLICE DETAILS



SECTION B-B

* ELEVATIONS BETWEEN BRIDGE SEAT BUILDUPS ARE SHOWN AT THIS POINT

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#32	2	10,440	669
B2	5	#32	2	11,780	377
B3	5	#32	2	10,040	321
B4	5	#13	STR.	6,300	31
B5	2	#16	STR.	17,600	55
B6	8	#13	STR.	9,180	73
B7	2	#16	STR.	7,200	22
B8	18	#13	STR.	1,040	19
H1	10	#16	4	3,220	50
H2	10	#16	4	3,360	52
H3	9	#16	5	2,940	41
H4	9	#16	5	2,820	39
K1	20	#13	STR.	9,120	181
S1	23	#16	6	2,640	94
S2	49	#16	3	1,320	100
S3	26	#16	6	2,960	119
S4	20	#13	8	1,980	39
U1	51	#13	7	1,040	53
U2	39	#13	7	1,880	73
U3	25	#13	7	2,040	51
V1	102	#16	STR.	2,000	317
V2	30	#16	STR.	2,720	127
V3	28	#16	STR.	2,400	104

END BENT #2 TOTAL QUANTITIES

HP310 x 79 PILES	No: 10	150.0 m
REINFORCING STEEL		3007 kg.

CLASS "A" CONCRETE BREAKDOWN BY POUR

POUR 1 (CAP & WINGS)	19.9 m ³
POUR 2 (BACKWALL & WINGS)	11.0 m ³
TOTAL CLASS "A" CONCRETE	30.9 m³

PROJECT NO. R-2552AB

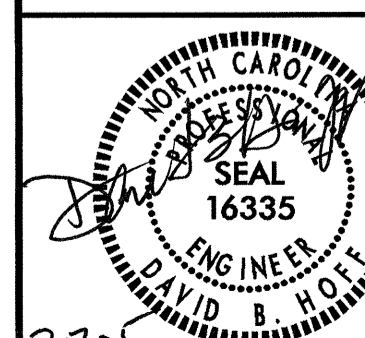
JOHNSTON COUNTY

STATION: 40+80.000 -L- P.O.C.

SHEET 3 OF 3



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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**SUBSTRUCTURE
END BENT #2
DETAILS
(LEFT LANE)**

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.

S-322

TOTAL SHEETS

429

DRAWN BY: M.L. MARLEY DATE: 1/24/02
CHECKED BY: D.B. HOFF DATE: 12/01

DWG. NO.	TOTAL
63	68