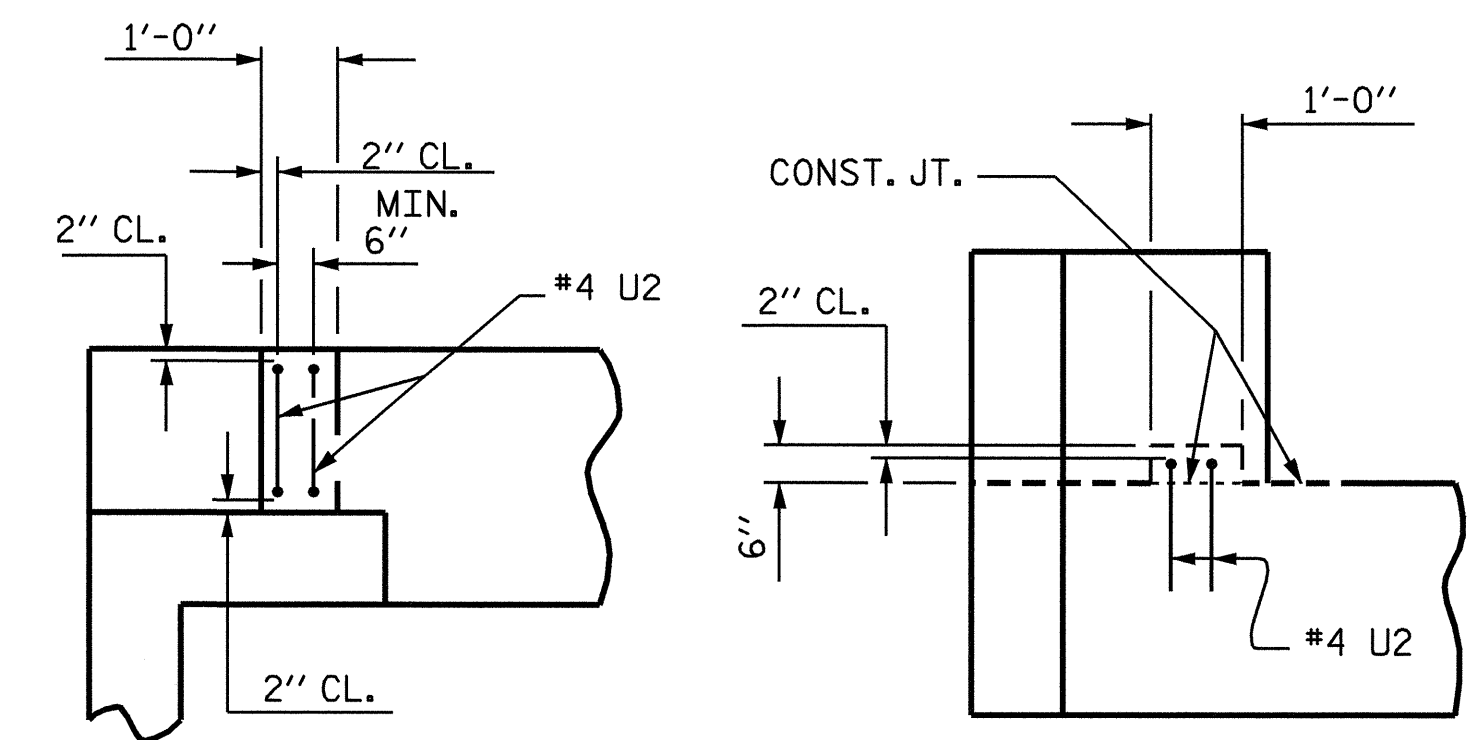


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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

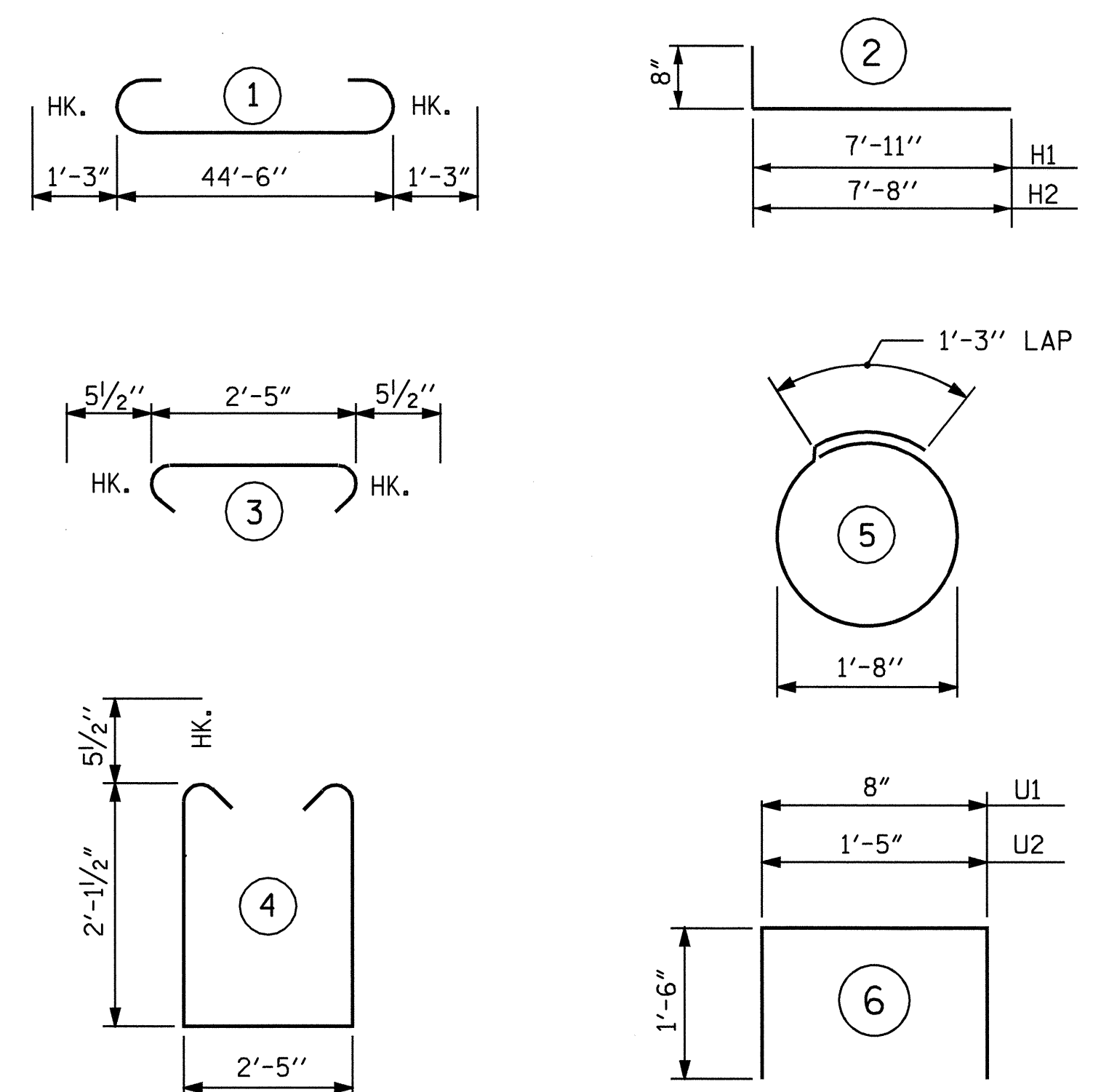


PLAN ELEVATION

LATERAL GUIDE DETAILS

(EACH END SIMILAR)

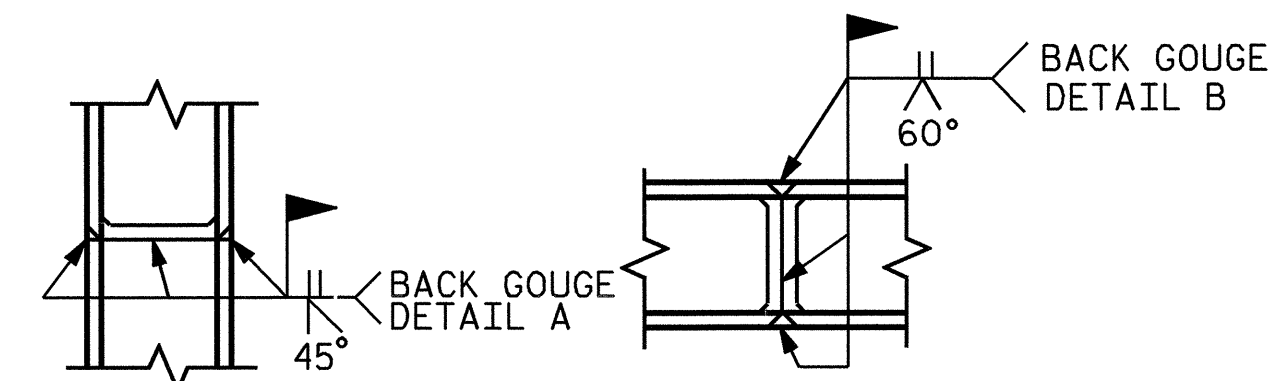
BAR TYPES



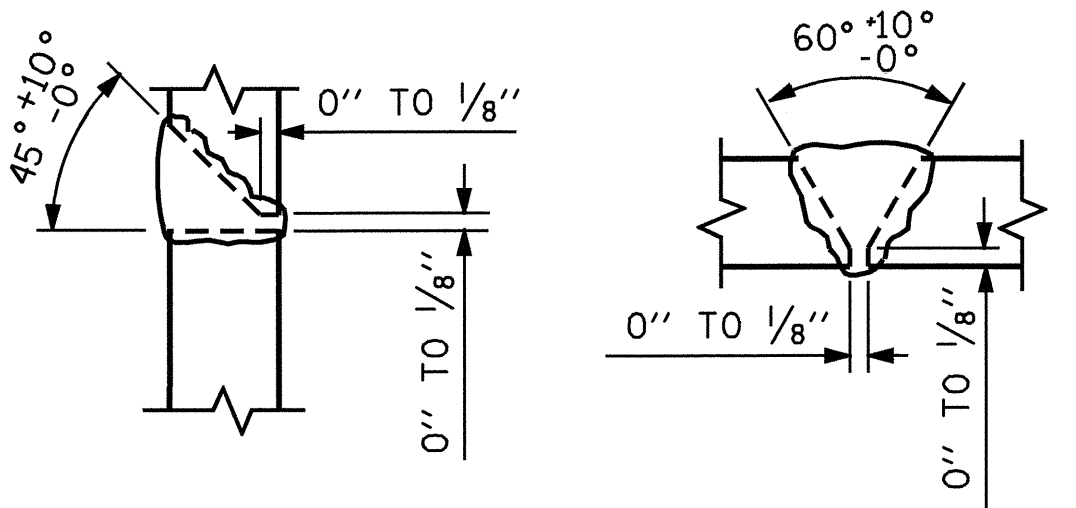
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT NO. 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	9	1	47'-0"	1278
B2	2	5	STR	44'-6"	93
B3	8	4	STR	23'-7"	126
B4	11	4	STR	2'-5"	18
D1	26	8	STR	2'-3"	156
H1	16	4	2	8'-7"	92
H2	14	4	2	8'-4"	78
H3	10	4	STR	3'-1"	21
H4	8	4	STR	3'-9"	20
K1	12	4	STR	23'-7"	189
S1	54	4	4	7'-7"	274
S2	54	4	3	3'-4"	120
S3	22	4	5	6'-6"	96
U1	38	4	6	3'-8"	93
U2	4	4	6	4'-5"	12
V1	76	5	STR	4'-6"	357
V2	28	4	STR	6'-4"	118
V3	28	4	STR	6'-1"	114
REINFORCING STEEL					3255 LBS
CLASS A CONCRETE BREAKDOWN :					
POUR #1 (CAP & LOWER WINGS)				12.8 C.Y.	
POUR #2 (UPPER PORTION OF WINGS & BACKWALL)				6.7 C.Y.	
POUR #3 (LATERAL GUIDES)				0.1 C.Y.	
TOTAL				19.6 C.Y.	
HP 12 X 53 STEEL PILES					
NO. 11					120 LIN. FT.
STEEL PILE POINTS					
NO. 11 EACH					

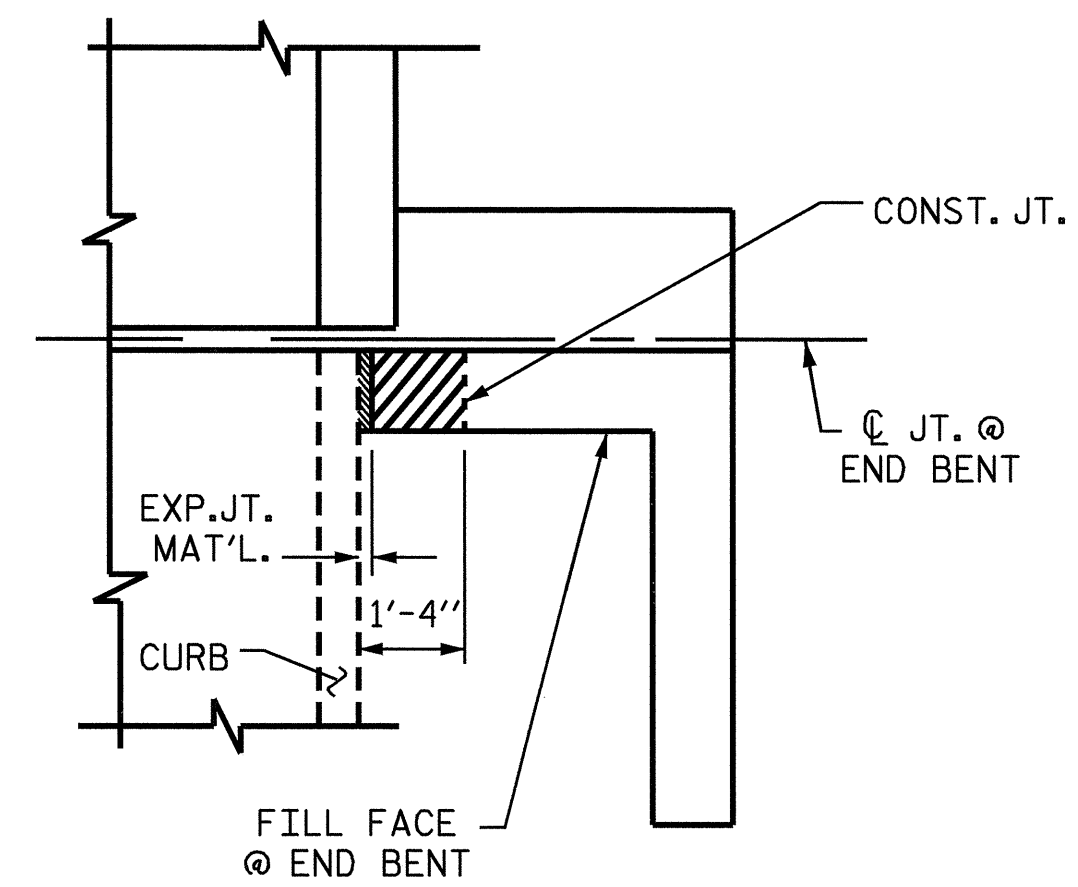


* PILE VERTICAL
* PILE HORIZONTAL OR VERTICAL



PILE SPLICE DETAILS

* POSITION OF PILE DURING WELDING.

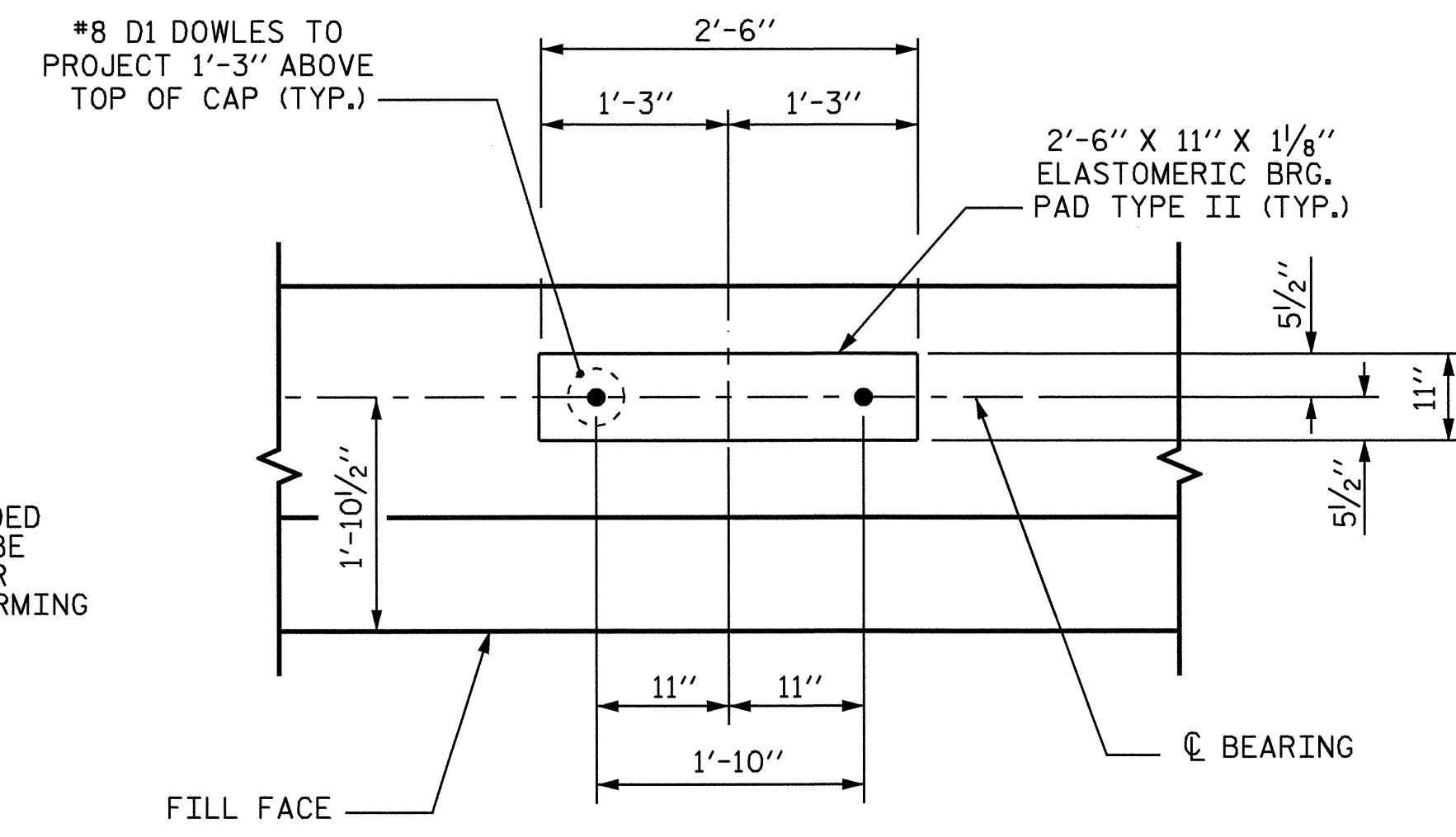


PLAN

ELEVATION

BLOCKOUT IN WING WALL

NOTE
THE CONCRETE IN THE SHADED AREA OF THE WING SHALL BE POURED AFTER THE BARRIER RAIL IS CAST IF SLIP FORMING IS USED.

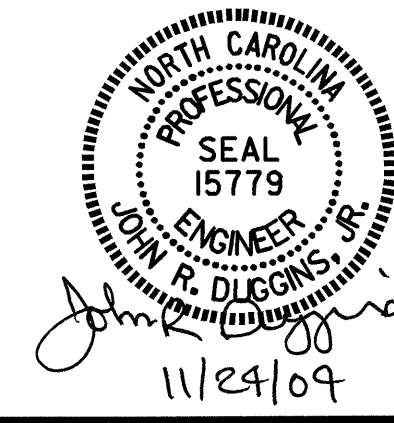


PROJECT NO. B-3522
WAKE COUNTY
STATION: 26+10.50 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE END BENT 1



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-15
1			3			TOTAL SHEETS
2			4			21