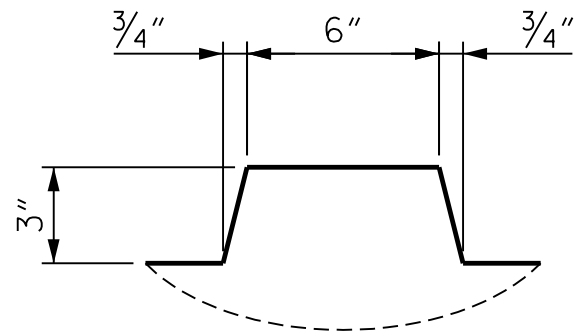


SECTION A-A



SHEAR KEY DETAIL

BAR TYPES		BILL OF MATERIAL FOR END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT		
B1	12	#9	1	38'-0"	1551		
B2	32	#9	1	11'-0"	1197		
B3	9	#9	STR.	35'-8"	1092		
B4	36	#9	STR.	8'-8"	1061		
B5	12	#5	STR.	35'-8"	447		
B6	60	#4	STR.	19'-1"	765		
B7	9	#4	STR.	8'-8"	53		
D1	20	#6	STR.	1'-6"	46		
H1	24	#6	6	12'-8"	457		
H2	96	#6	6	14'-5"	2079		
K1	24	#4	STR.	3'-0"	49		
S1	48	#4	5	6'-6"	209		
U1	54	#6	3	5'-7"	453		
U2	72	#6	3	4'-5"	478		
U3	22	#4	3	3'-9"	56		
V1	144	#6	STR.	15'-7"	3371		
V2	44	#5	STR.	14'-3"	654		
V3	16	#5	STR.	4'-8"	78		
V4	16	#4	STR.	14'-3"	153		
REINFORCING STEEL					14240 LBS.		
CLASS A CONCRETE BREAKDOWN							
POUR #1 FOOTING					48.0 C.Y.		
POUR #2 CAP & LOWER PART OF WINGS					58.7 C.Y.		
POUR #3 UPPER PART OF WINGS					3.9 C.Y.		
TOTAL CLASS A CONCRETE					110.6 C.Y.		

NOTE

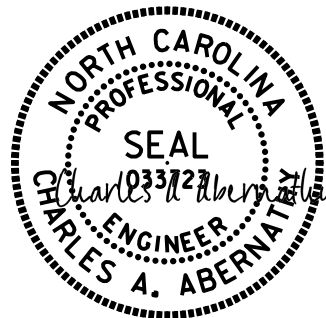
FOR COMMON END BENT DETAILS, SEE "SUBSTRUCTURE END BENT 1 DETAILS (SHEET 3 OF 3)."

PROJECT NO. DF18314.2044195

HAYWOOD COUNTY

STATION: 13+39.86 -L-

SHEET 3 OF 3



12/15/2025



HDR Engineering, Inc. of the Carolinas
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N.C.B.E.L.S. License Number: F-0116

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
END BENT 2
DETAILS

REVISIONS

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

SHEET
NO.
S-15
TOTAL
SHEETS
18