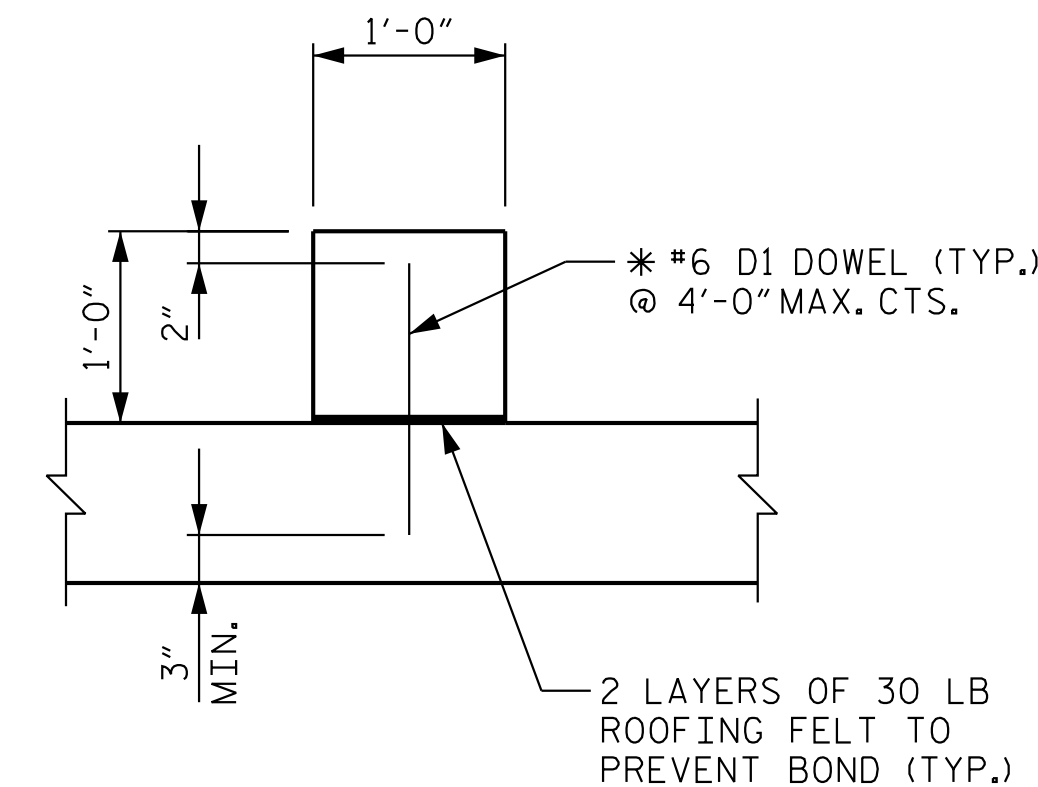


**STAGE 2 RIGHT ANGLE SECTIONS OF BARREL**

\* ALL CONTINUOUS HIGH CHAIR UPPER (C.H.C.U.) @ 3'-0" CTS.  
THERE ARE 32 C2 BARS (3 BAR RUN) IN SECTION OF BARREL

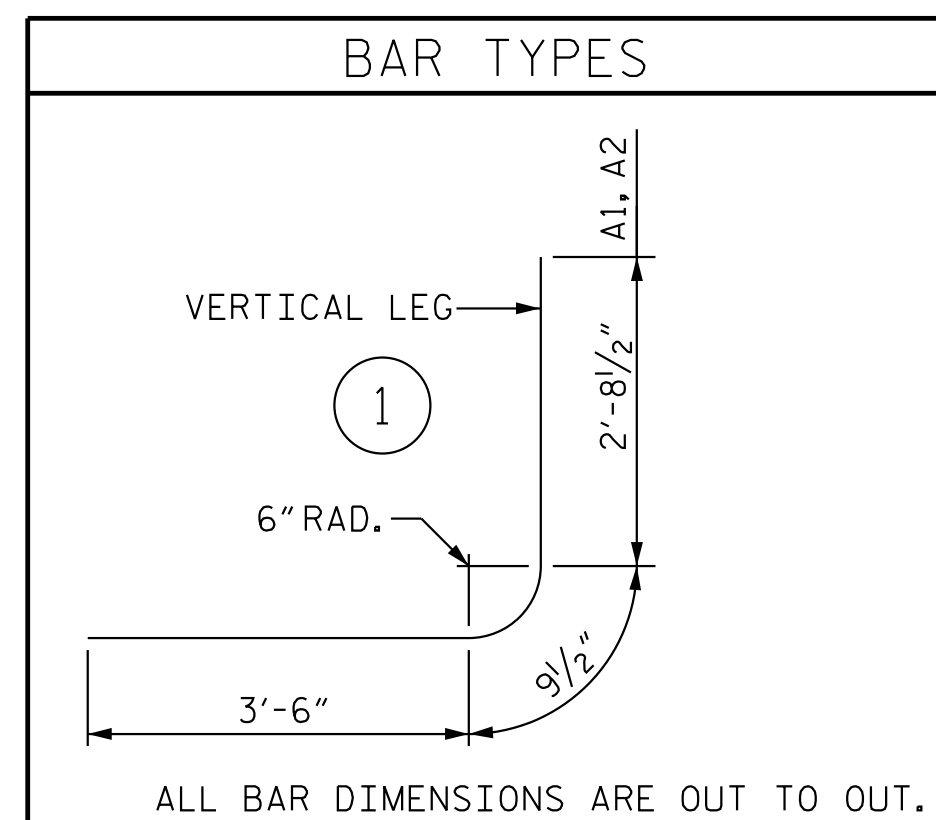


**SECTION A-A  
CULVERT SILL DETAIL**

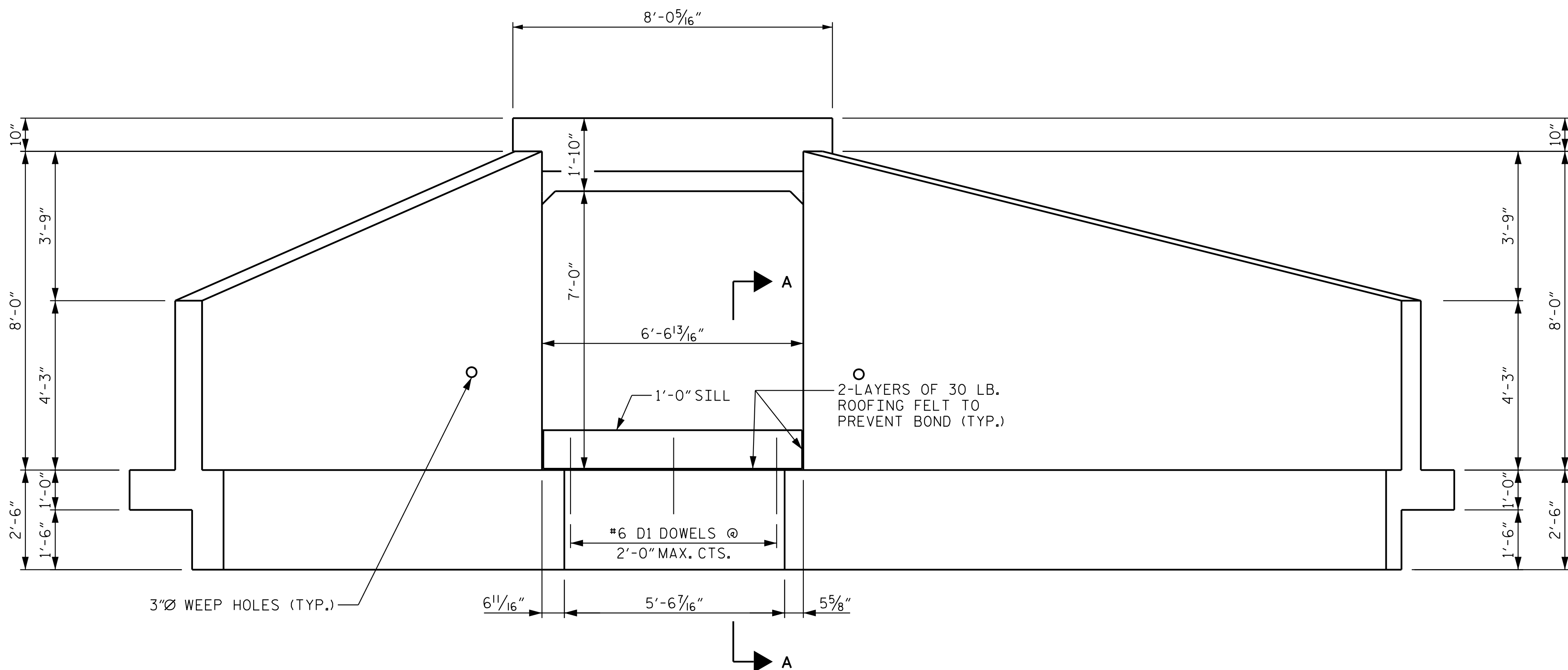
\* DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.

STAGE 2 QUANTITIES	
CLASS A CONCRETE	
BARREL @ 0.802 CY/FT	67.4 CY
WINGS, ETC.	13.6 CY
SILL	0.2 CY
EDGE BEAMS	0.6 CY
TOTAL	81.8 CY
REINFORCING STEEL	
BARREL, SILLS, & EDGE BEAMS	8,360 LBS
WINGS, ETC.	827 LBS
TOTAL	9,187 LBS

BILL OF MATERIAL STAGE 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	168	#5	1	7'-1"	1241
A2	168	#5	1	7'-1"	1241
A100	81	#5	STR	7'-0"	591
A101	2	#5	STR	5'-4"	11
A102	3	#5	STR	3'-1"	10
A200	81	#5	STR	7'-0"	591
A201	2	#5	STR	5'-4"	11
A202	3	#5	STR	3'-1"	10
B1	168	#4	STR	8'-3"	926
B2	334	#4	STR	6'-4"	1413
C2	96	#4	STR	29'-2"	1870
D1	3	#6	STR	1'-5"	6
E1	16	#5	STR	3'-11"	65
G1	2	#4	STR	7'-7"	10
S1	18	#8	STR	7'-7"	364
STAGE 2 REINFORCING STEEL					8,360 LBS



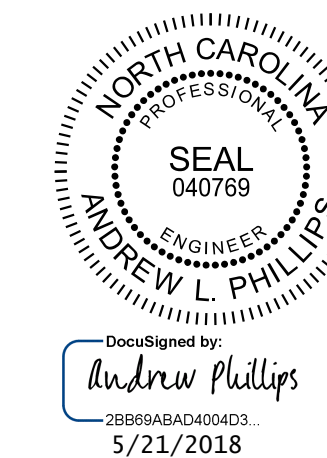
SPLICE LENGTHS		
BAR	SIZE	LENGTH
B1	#4	1'-11"
C2	#4	1'-11"



**INLET END ELEVATION NORMAL TO SKEW**

PROJECT NO. U-5725  
HALIFAX COUNTY  
STATION: 84+52.00 -L-

SHEET 5 OF 8



**Kimley»Horn**  
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NC LICENSE # F-0102

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SINGLE 6 FT. X 7 FT. CONCRETE BOX CULVERT 66° SKEW					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					C-5
					TOTAL SHEETS 8

DRAWN BY: P.G. ROBBS DATE: 5/18  
CHECKED BY: C.T. POOLE DATE: 5/18  
DESIGN ENGINEER OF RECORD: A.L. PHILLIPS DATE: 5/18

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

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