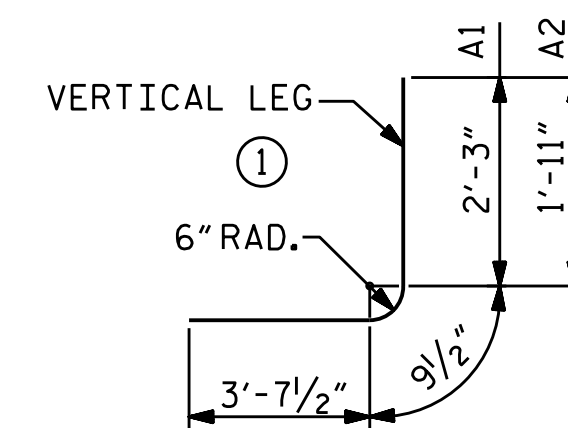


**RIGHT ANGLE SECTION OF BARREL**

THERE ARE 40 C1 BARS IN SECTION OF BARREL

**BAR TYPE**



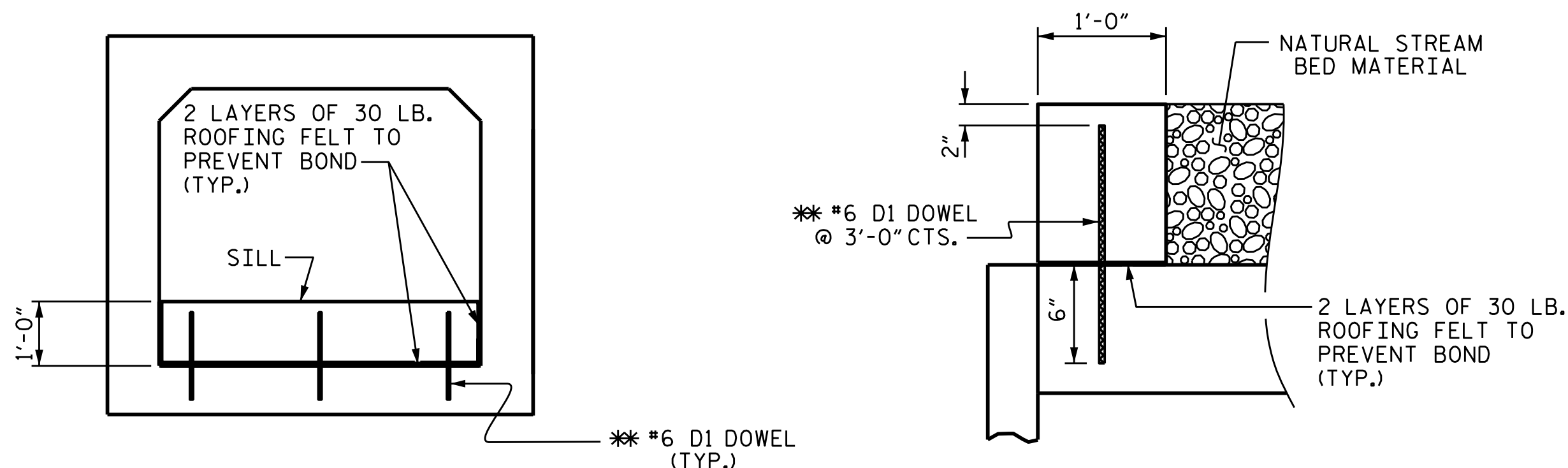
BAR DIMENSIONS ARE OUT TO OUT.

**BILL OF MATERIAL**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	314	#4	1	6'-8"	1398
A2	314	#4	1	6'-4"	1328
A100	157	#5	STR	10'-11"	1788
A101	6	#5	STR	8'-8"	54
A102	6	#5	STR	6'-6"	41
A103	6	#5	STR	4'-4"	27
A104	6	#5	STR	2'-2"	14
A200	197	#5	STR	10'-11"	2243
A201	8	#5	STR	8'-6"	71
A202	8	#5	STR	6'-2"	51
A203	8	#5	STR	3'-10"	32
B1	144	#4	STR	7'-11"	762
B2	314	#4	STR	6'-4"	1328
C1	120	#4	STR	25'-4"	2031
D1	6	#6	STR	1'-4"	12
G1	4	#4	STR	12'-8"	34
S2	12	#8	STR	12'-8"	406
REINFORCING STEEL				LBS.	11,620

**SPLICE LENGTH CHART**

BAR	NO.	SPLICE LENGTH
B1	#4	1'-5"
C1	#4	1'-11"



**ELEVATION**

**SECTION THROUGH SILL**

**SILL DETAILS**

(SILLS ARE LOCATED AT UPSTREAM AND DOWNSTREAM ENDS ALONG SKEW)

PROJECT NO. W-5313  
ROWAN COUNTY  
 STATION: 398+18.00 -L-

SHEET 4 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SINGLE 10 FT. X 7 FT.  
 CONCRETE BOX CULVERT**

123° SKEW



DocuSigned by:  
 vipul a patel  
 1C157DE15D46AA  
 5/31/2016

DRAWN BY : M.E.GILES DATE : 8/26/14  
 CHECKED BY : N.D.AIUTO DATE : 10/2/14  
 DESIGN ENGINEER OF RECORD: M.E.GILES DATE : 10/2/14

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-14
1			3			TOTAL SHEETS
2			4			15

CUL. #3