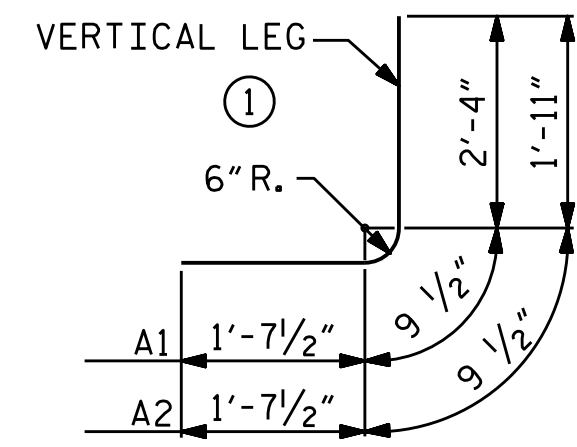


PART PLAN - ROOF SLAB

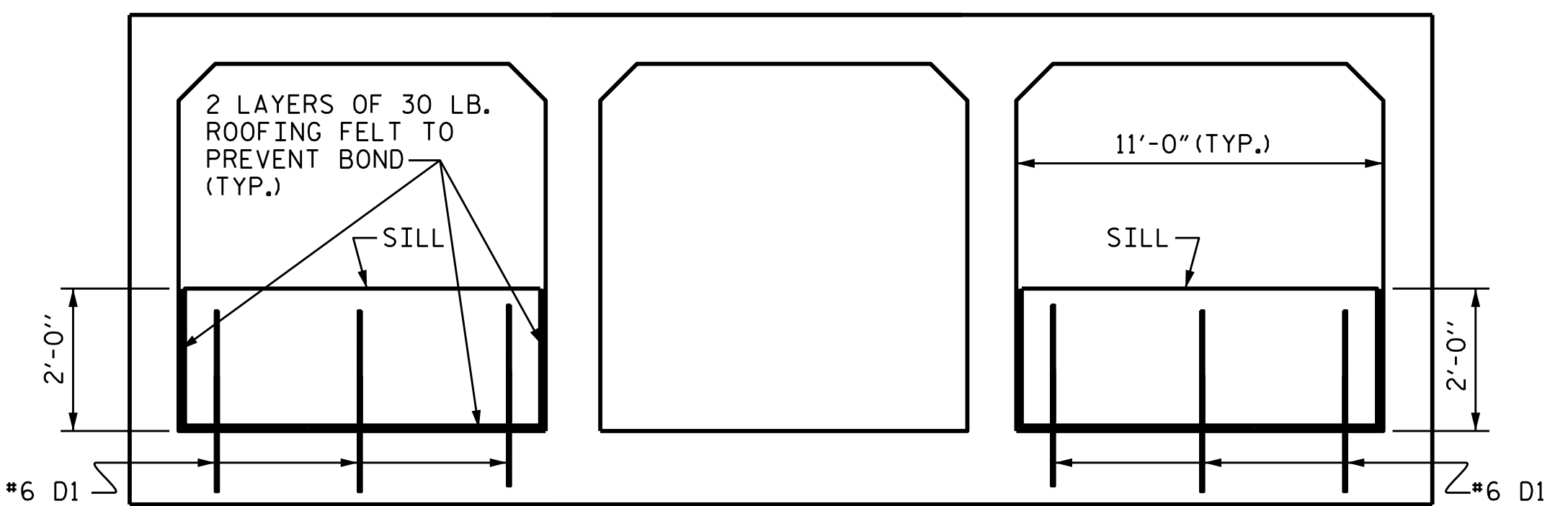
PART PLAN - FLOOR SLAB

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	372	#4	1	4'-9"	1180
A2	372	#4	1	4'-4"	1077
A100	172	#5	STR.	35'-3"	6324
A200	160	#5	STR.	35'-3"	5883
A300	372	#4	STR.	18'-4"	4556
A400	186	#5	STR.	35'-3"	6838
B1	186	#4	STR.	9'-5"	1170
B2	372	#4	STR.	7'-4"	1822
B3	372	#4	STR.	9'-5"	2340
C1	504	#4	STR.	24'-9"	8333
D1	12	#6	STR.	2'-6"	45
G1	8	#5	STR.	35'-4"	295
TOTAL REINFORCING STEEL					39863

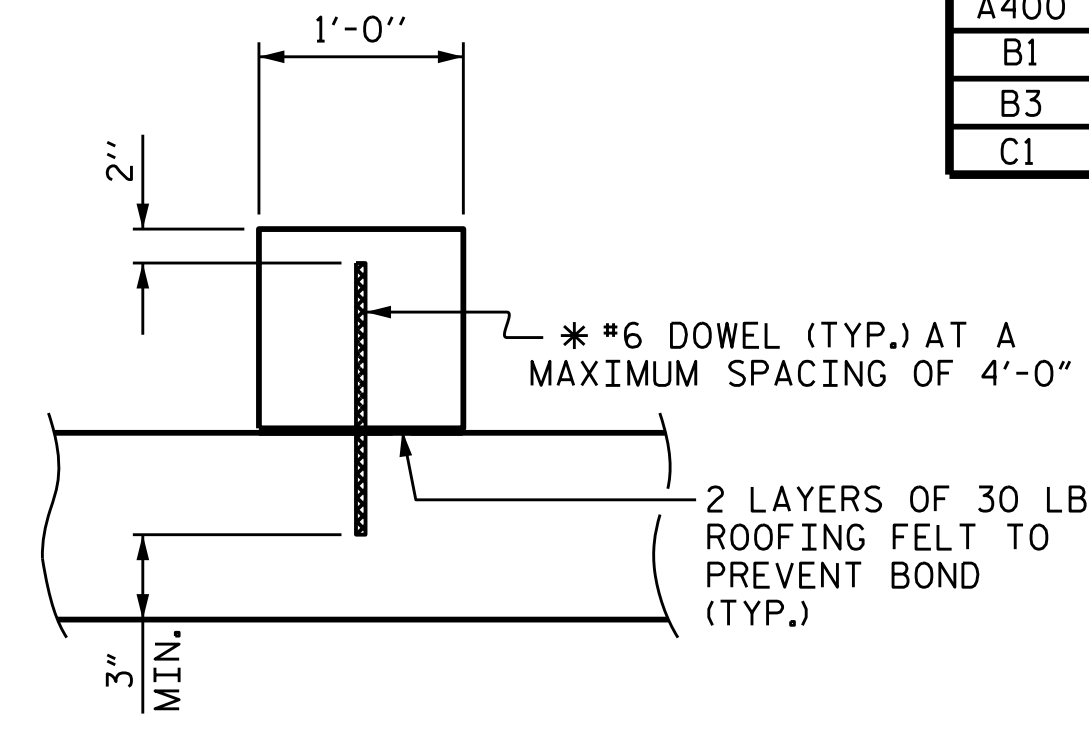


BAR TYPES  
BAR DIMENSIONS ARE OUT TO OUT.

BAR	SIZE	SPLICE LENGTH
A200	5	1'-9"
A300	4	1'-5"
A400	5	1'-9"
B1	4	1'-5"
B3	4	1'-5"
C1	4	1'-11"



ELEVATION  
SILLS TYP. INLET AND OUTLET ENDS



SECTION THROUGH SILL

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

CULVERT SILL DETAILS

MATERIAL EXCAVATED FROM THE EXISTING BED SHALL BE STOCKPILED FOR USE IN THE PROPOSED CULVERT AND SHALL PROVIDE A CONTINUOUS LOW FLOW CHANNEL AS SHOWN. THE MATERIAL SHALL BE NATURAL STONE WITH A GRADATION SIZE SIMILAR TO THAT OF CLASS B RIP RAP. STONES LARGER THAN 6 INCHES SHALL NOT BE PLACED WITHIN THE LOW FLOW CHANNEL. BED MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.

THE STOCKPILED MATERIAL SHALL BE PLACED TO PROVIDE A 1 FOOT DEPTH LOW FLOW CHANNEL, AND SHALL BE PLACED TO THE LEVEL OF 2' BETWEEN THE HIGH FLOW SILLS.

THE TOP OF BED MATERIAL SHOULD MATCH THE STREAM BED ELEVATION IN THE LOW FLOW CHANNEL OF THE STREAM.

BED MATERIAL SHALL BE SUPPLEMENTED BY CLASS B RIP RAP AS NECESSARY IN THE LEFT AND RIGHT BARRELS ONLY.

BED MATERIAL SHALL BE PLACED ON TOP OF THE SUPPLEMENTAL FILL, IF USED, TO PROVIDE A FLAT SURFACE FOR ANIMAL PASSAGE.

THE ENTIRE COST OF WORK REQUIRED TO PLACE EXCAVATED OR SUPPLEMENTAL MATERIAL AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE BID FOR CULVERT EXCAVATION.

THE ENTIRE COST OF WORK REQUIRED TO CONSTRUCT THE SILLS SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS.

PROJECT NO. R-2915A  
WATAUGA/ASHE COUNTY  
STATION: 9+89.00-LPC-/  
9+99.00-RPC-

SHEET 3 OF 6

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

TRIPLE 11 FT. X 8 FT.  
CONCRETE BOX CULVERT



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-12
1			3			TOTAL SHEETS
2			4			20

DRAWN BY: H. T. BARBOUR DATE: 2-12-15  
CHECKED BY: M. K. BEARD DATE: 3-16-15  
DESIGN ENGINEER OF RECORD: J. P. McCARTHA DATE: 4-15