

**NOTES:**

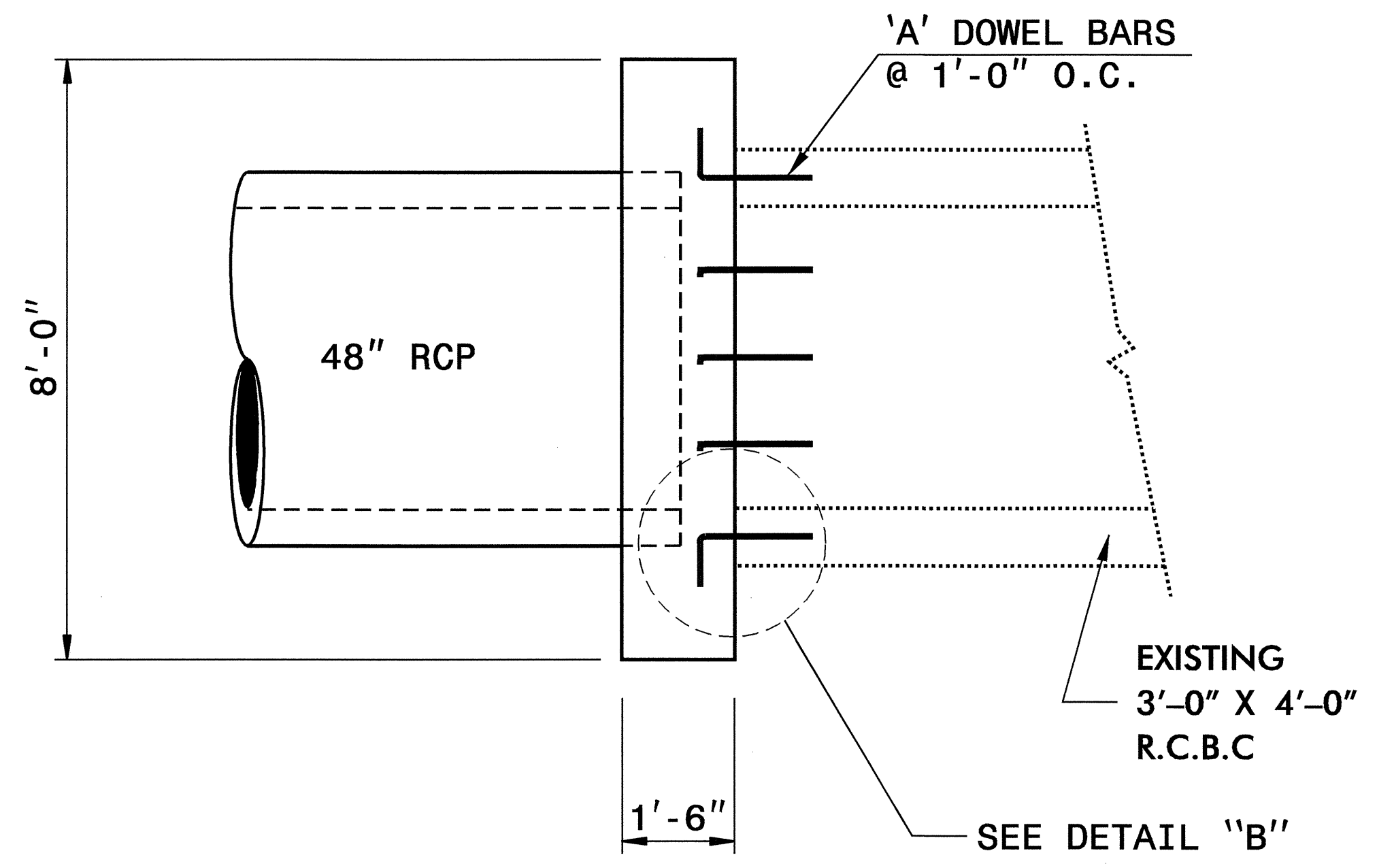
EPOXY BONDING SYSTEM SHALL MEET THE REQUIREMENTS OF SECTION 1081 OF THE STANDARD SPECIFICATIONS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

CLASS 'B' CONCRETE REQUIRED.

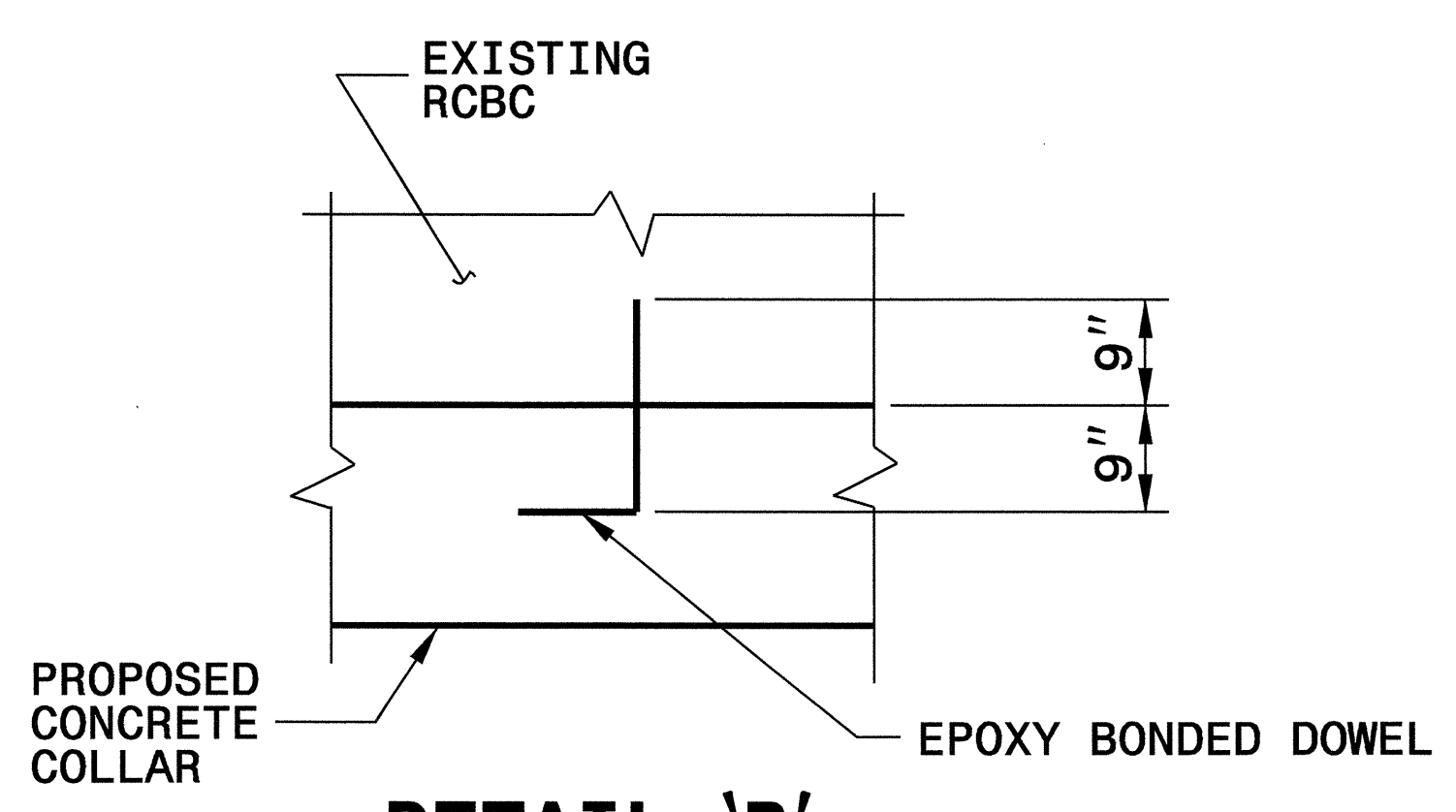
ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

ALL EXPOSED CORNERS SHALL BE CHAMFERED 1".

DOWEL BARS SHALL BE INSTALLED AT VARIOUS ANGLES.

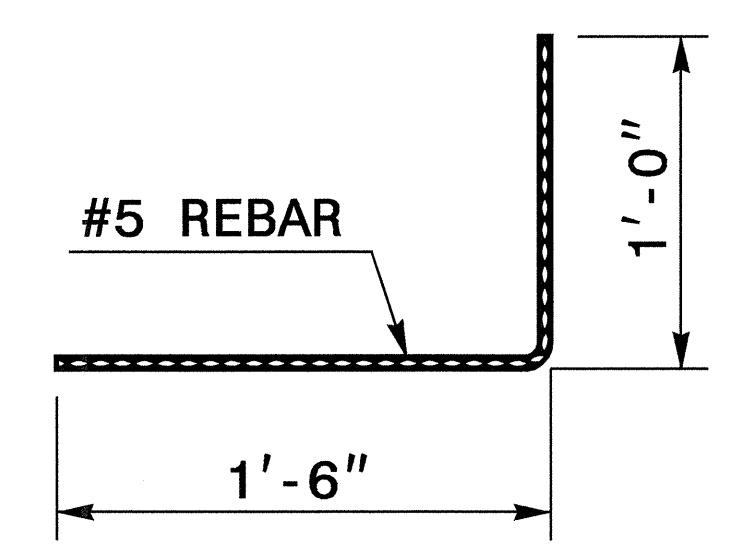


**PLAN VIEW**

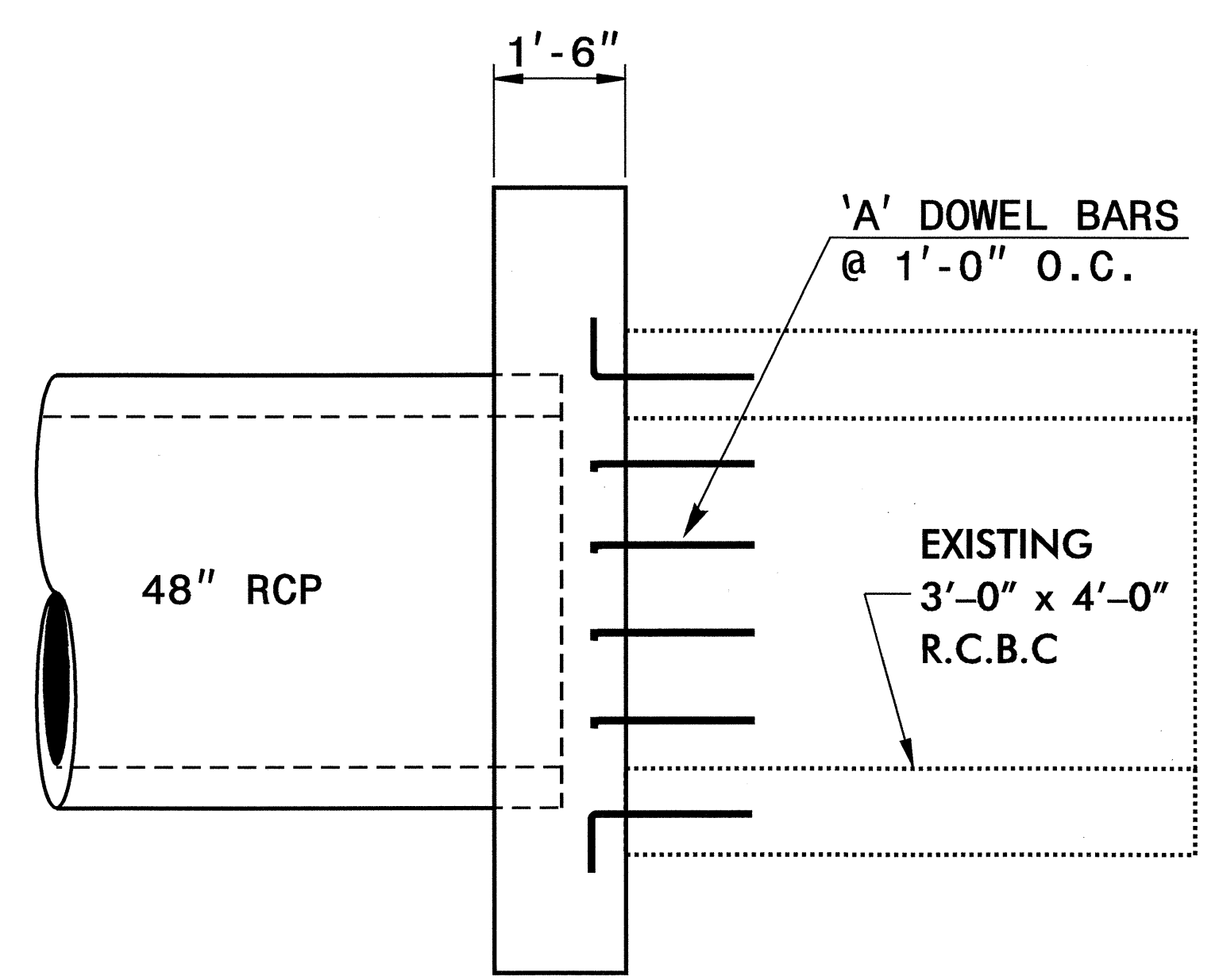


**DETAIL 'B'**

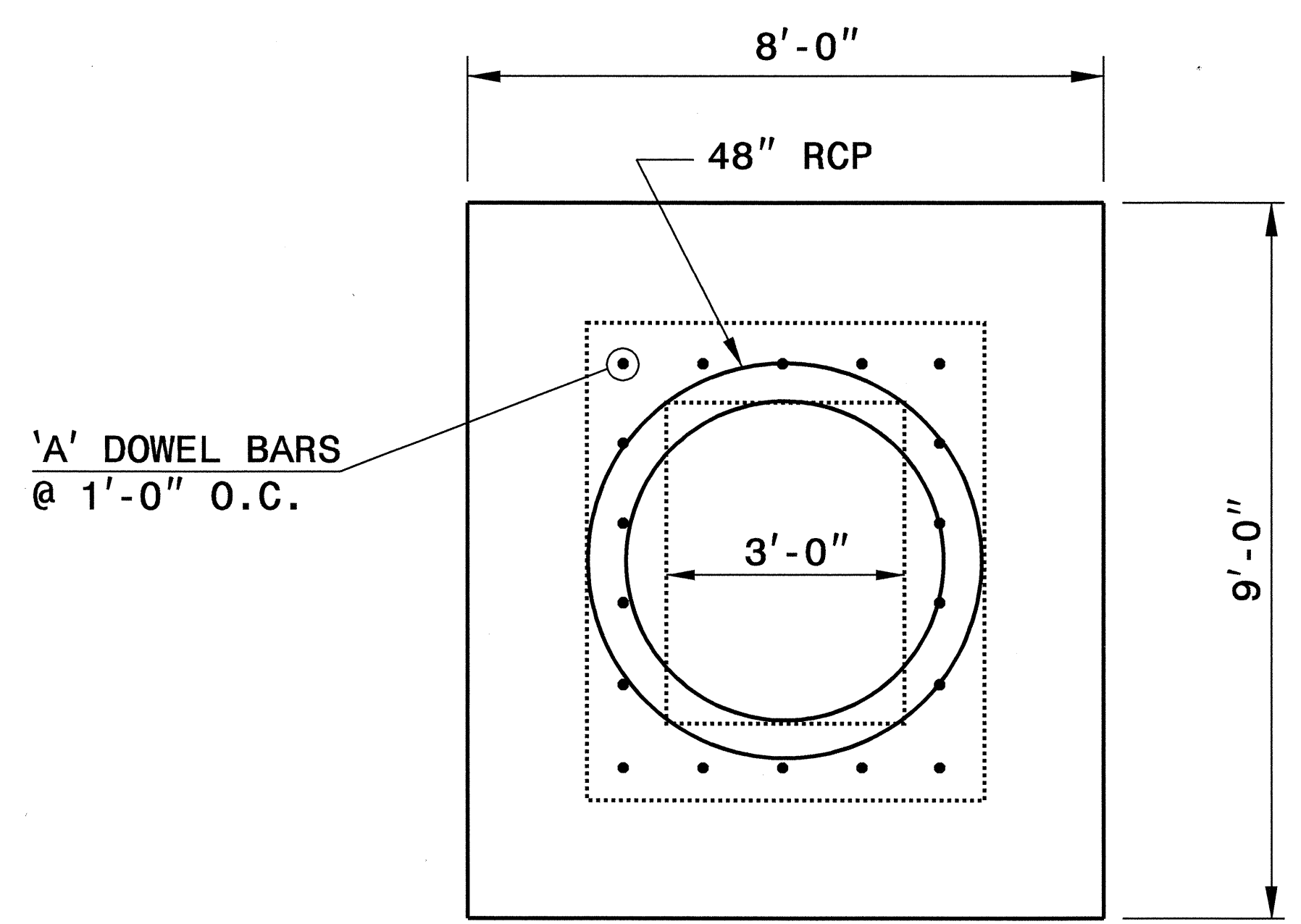
<b>BILL OF MATERIAL</b>				
BAR	NO.	SIZE	LENGTH	WEIGHT
A	18	#5	2'-6"	47
TOTAL REINF. STEEL (LBS.)				47
CLASS "B" CONC. (C.Y.)				4.0



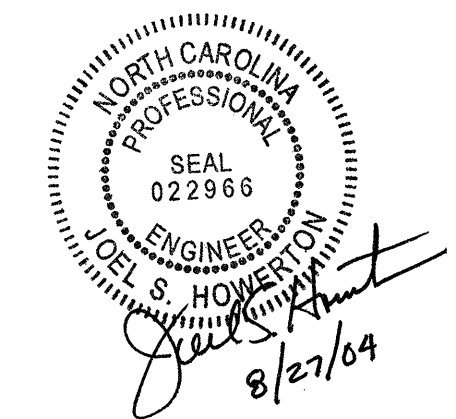
**DOWEL 'A'**



**ELEVATION**



**SECTION THROUGH COLLAR**  
(PIPE TO CULVERT ORIENTATION)



STA. 51+95 -L- LT.

**DESIGN SERVICES UNIT  
STANDARDS AND SPECIAL DESIGN**  
Office 919-250-4128 FAX 919-250-4119

**DETAIL OF COLLAR  
CONNECTING EXISTING  
RCBC TO 48" RCP**

ORIGINAL BY: T.Spell DATE: 4-15-04  
 MODIFIED BY: [Signature] DATE: 7/20/04  
 CHECKED BY: [Signature] DATE: 7/20/04  
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19-JUL-2004 11:09  
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