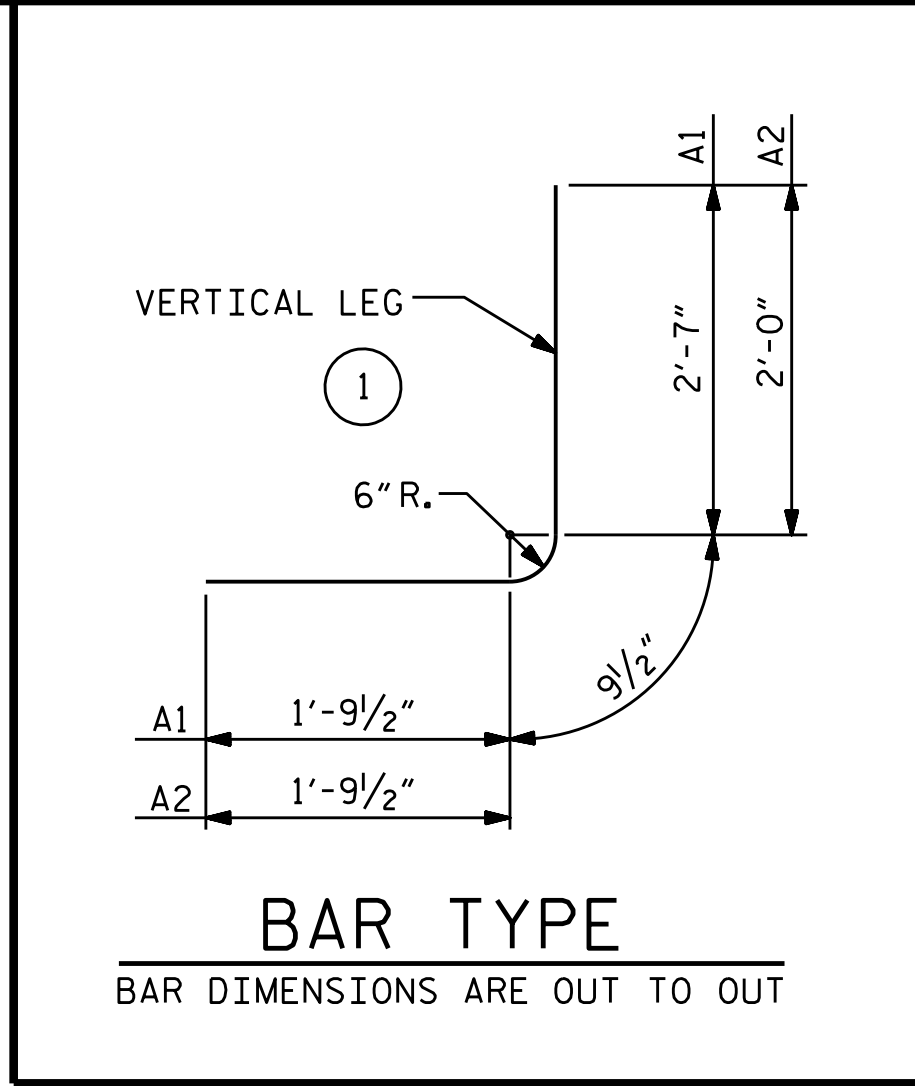
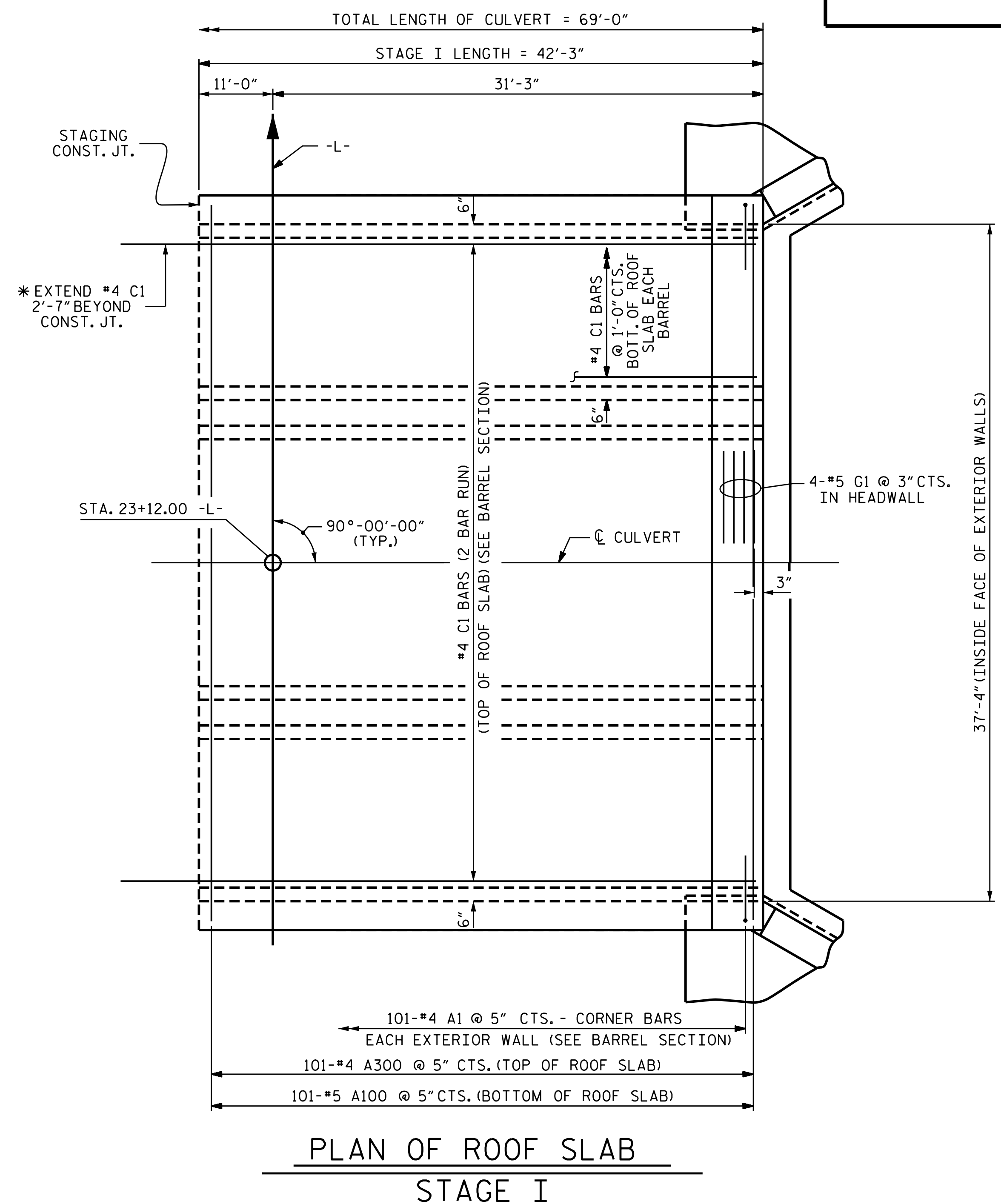
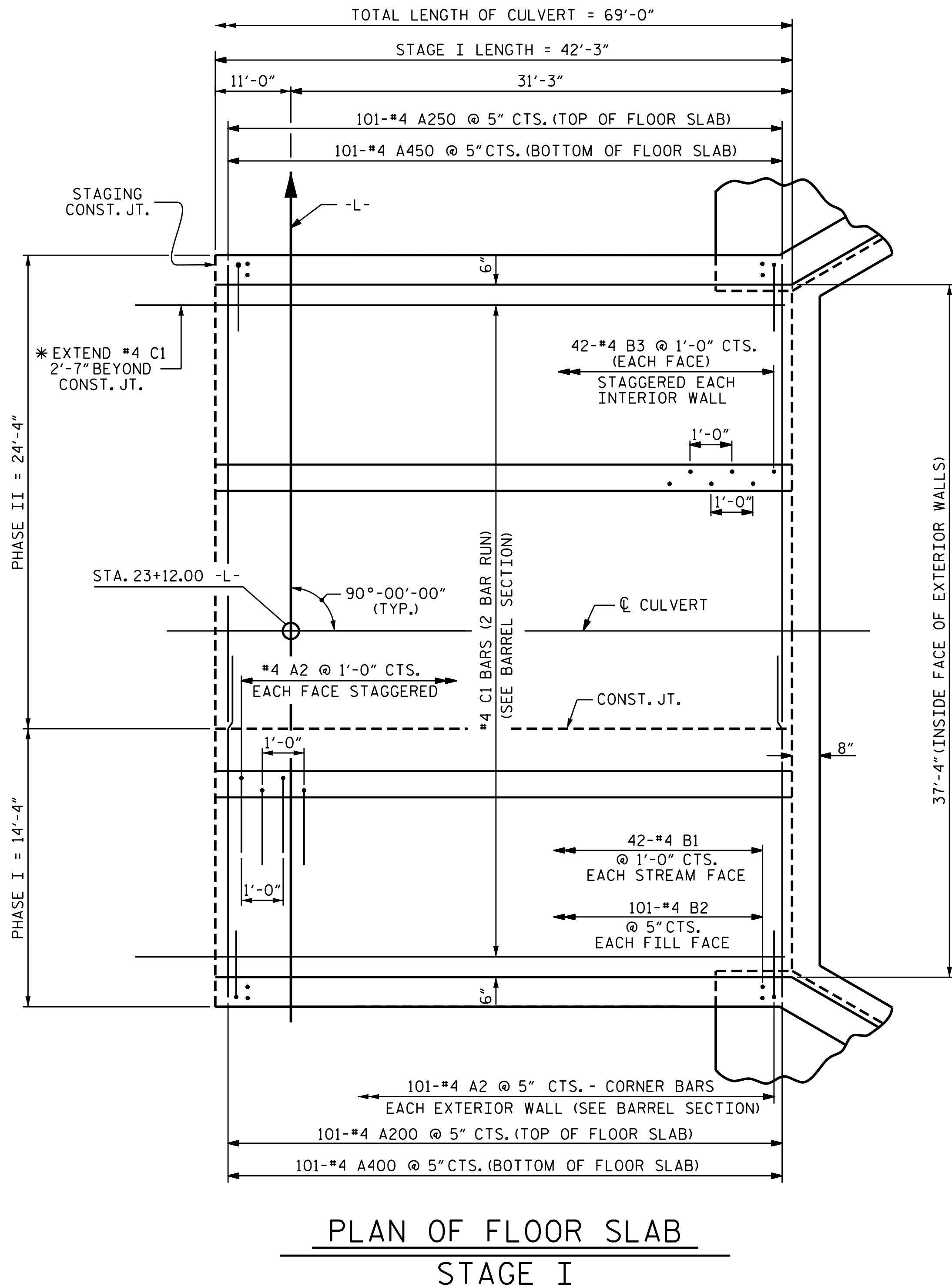


STAGE I		STAGE I	
PHASE I		PHASE II	
CLASS A CONCRETE		CLASS A CONCRETE	
BARREL @ 0.931	CY/FT 39.3 C.Y.	BARREL @ 2.775	CY/FT 117.2 C.Y.
WING, ETC.	10.9 C.Y.	WING, ETC.	13.3 C.Y.
SILLS	0.9 C.Y.	SILLS	0.9 C.Y.
TOTAL	51.1 C.Y.	TOTAL	131.4 C.Y.
REINFORCING STEEL		REINFORCING STEEL	
BARREL	5,699 LBS.	BARREL	15,224 LBS.
WING, ETC.	647 LBS.	WING, ETC.	647 LBS.
SILLS	15 LBS.	SILLS	18 LBS.
TOTAL	6,361 LBS.	TOTAL	15,889 LBS.



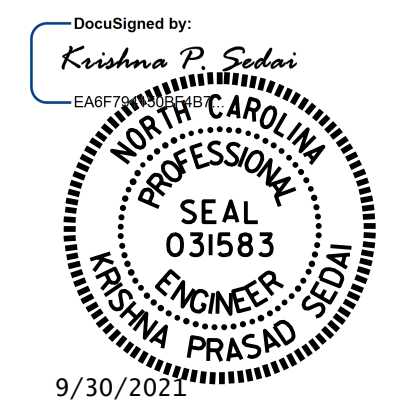
BILL OF MATERIAL					
STAGE I PHASE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	101	#4	1	5'-2"	349
A2	184	#4	1	4'-7"	563
A200	101	#4	STR.	16'-2"	1091
A400	101	#4	STR.	16'-2"	1091
B1	42	#4	STR.	10'-5"	292
B2	101	#4	STR.	8'-4"	562
B3	84	#4	STR.	10'-5"	585
C1	74	#4	STR.	23'-7"	1166
REINFORCING STEEL =					5,699 LBS
STAGE I PHASE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	101	#4	1	5'-2"	349
A2	101	#4	1	4'-7"	309
A100	101	#5	STR.	38'-3"	4029
A250	101	#4	STR.	24'-0"	1619
A300	101	#4	STR.	38'-3"	2581
A450	101	#4	STR.	24'-0"	1619
B1	42	#4	STR.	10'-5"	292
B2	101	#4	STR.	8'-4"	562
B3	84	#4	STR.	10'-5"	585
C1	198	#4	STR.	23'-7"	3119
G1	4	#5	STR.	38'-4"	160
REINFORCING STEEL =					15,224 LBS



\* #4 C1 SHALL BE FIELD BENT AS NECESSARY.

SPLICE LENGTHS CHART		
BAR	SIZE	SPLICE LENGTH
A100	#5	2'-4"
A200	#4	1'-10"
A250	#4	1'-10"
A300	#4	1'-10"
A400	#4	1'-10"
A450	#4	1'-10"
B1	#4	1'-10"
B3	#4	1'-10"
C1	#4	2'-5"
G2	#5	3'-0"

PROJECT NO. BR-0035  
 MOORE COUNTY  
 STATION: 23+12.00 -L-  
 SHEET 4 OF 8



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 TRIPLE 12 FT. X 9 FT.  
 CONCRETE BOX CULVERT  
 STAGE I  
 90° SKEW

REDRAWN NOV. 1990  
 DRAWN BY: A. SORSENGINH DATE: 8/2021  
 CHECKED BY: M. G. SHAIKH DATE: 8/2021  
 DESIGN ENGINEER OF RECORD: A. YASMEEN DATE: 8/2021

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-4
1			3			TOTAL SHEETS
2			4			8

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED