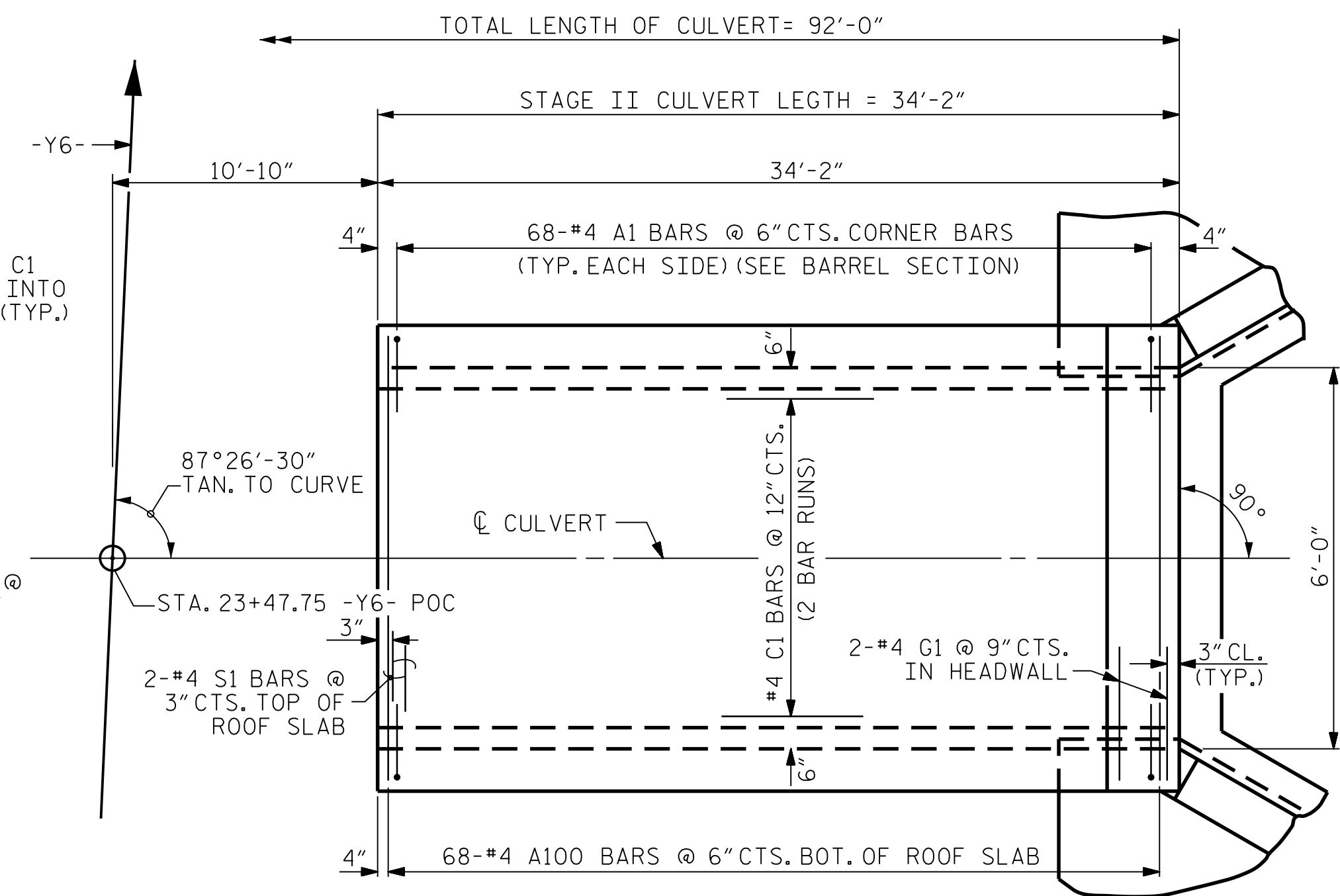
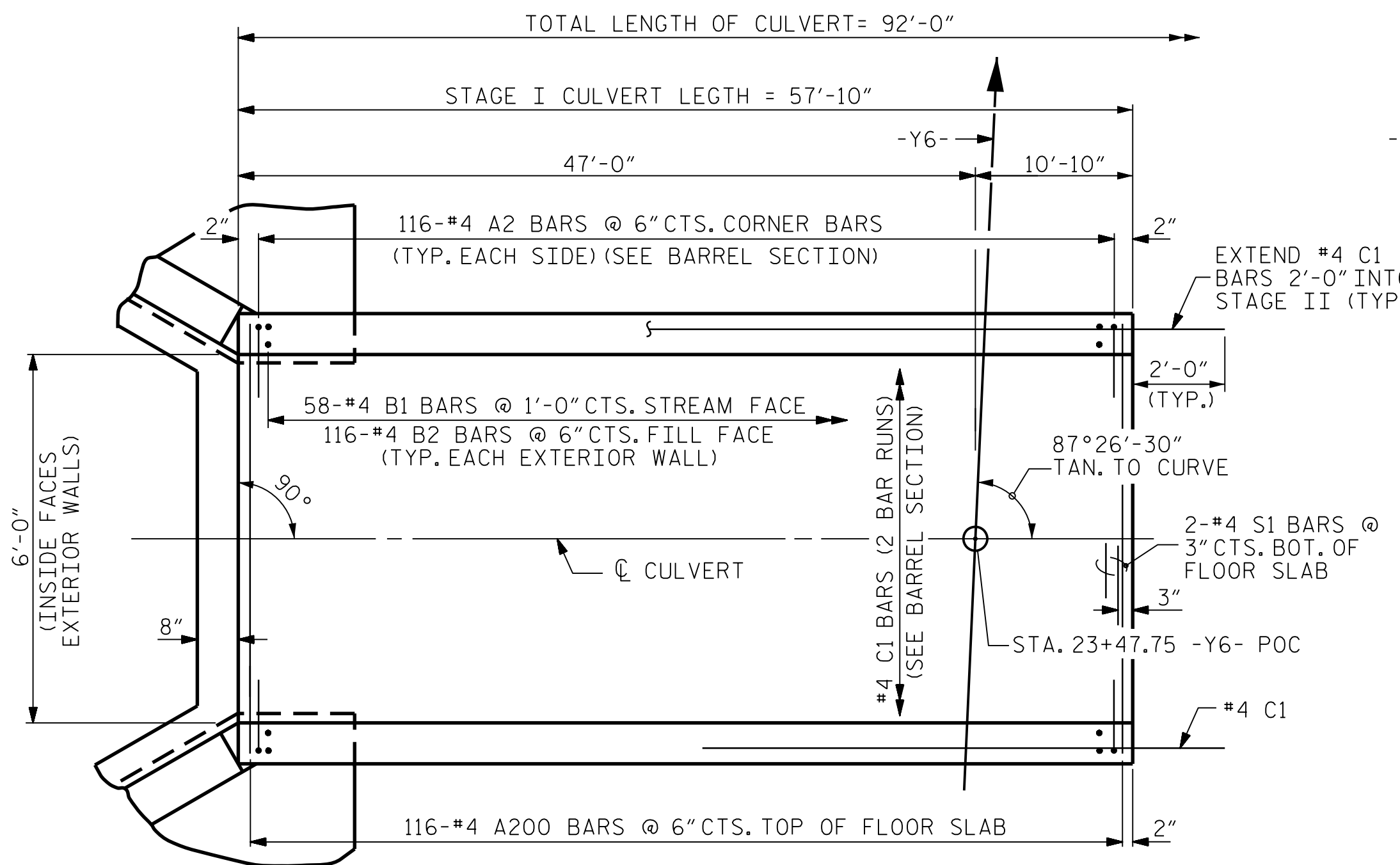


STAGE I - PLAN OF ROOF SLAB

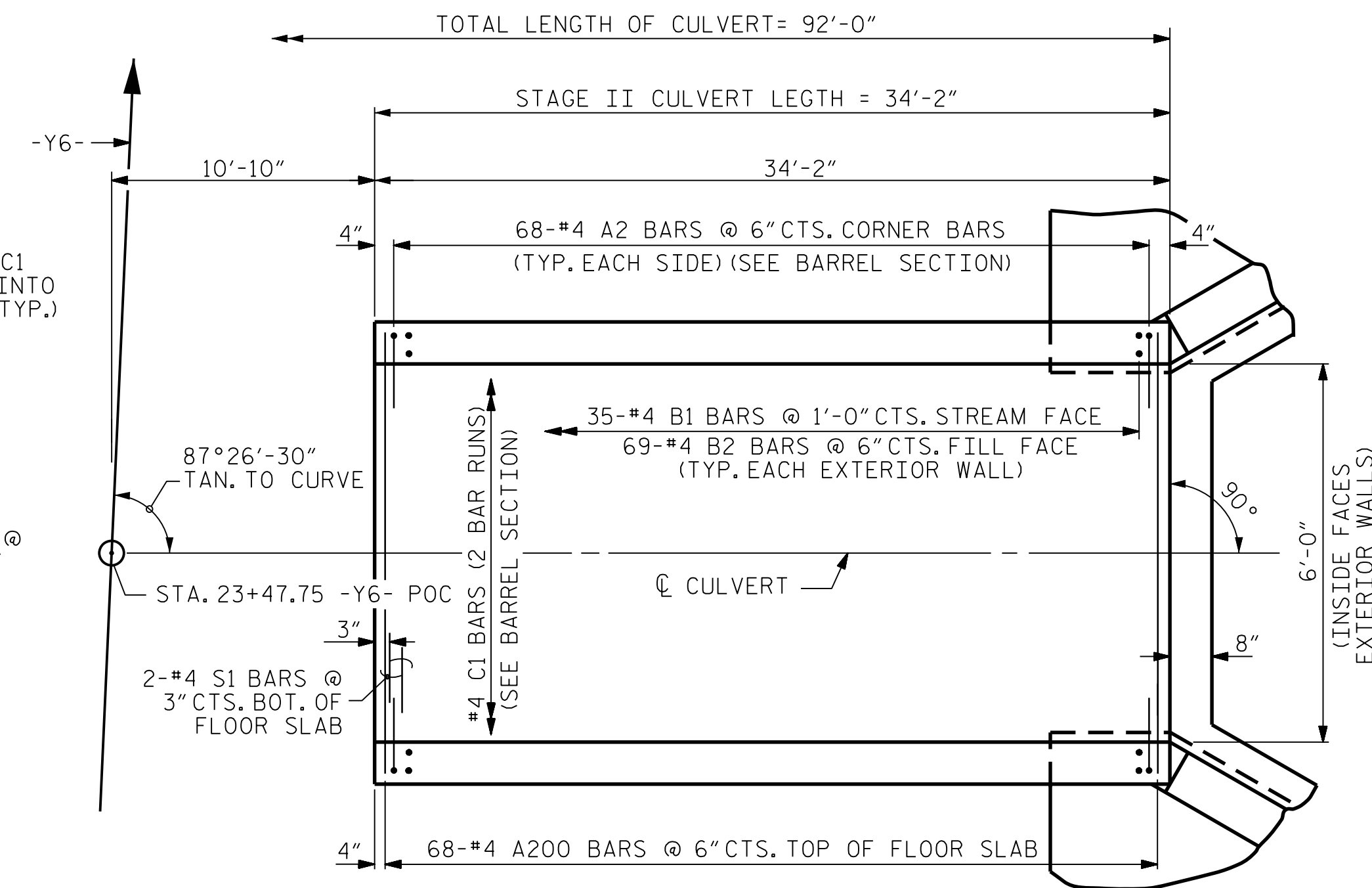


STAGE II - PLAN OF ROOF SLAB



STAGE I - PLAN OF FLOOR SLAB

STAGE I CONSTRUCTION



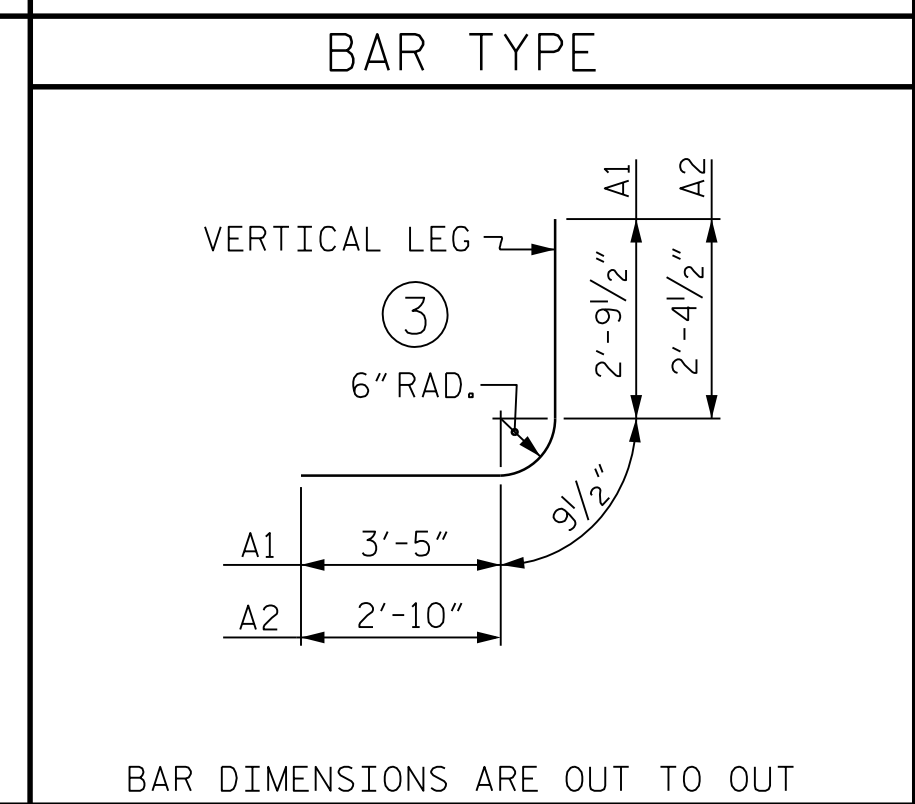
STAGE II - PLAN OF FLOOR SLAB

STAGE II CONSTRUCTION

REINFORCING BAR SCHEDULE											
STAGE I						STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	232	#4	3	7'-0"	1085	A1	136	#4	3	7'-0"	636
A2	232	#4	3	6'-0"	930	A2	136	#4	3	6'-0"	545
A100	116	#4	STR	7'-0"	542	A100	68	#4	STR	7'-0"	318
A200	116	#4	STR	7'-0"	542	A200	68	#4	STR	7'-0"	318
B1	116	#4	STR	8'-3"	639	B1	70	#4	STR	8'-3"	386
B2	232	#4	STR	6'-4"	982	B2	138	#4	STR	6'-4"	584
C1	64	#4	STR	29'-8"	1268	C1	64	#4	STR	17'-10"	761
G1	2	#4	STR	7'-0"	9	G1	2	#4	STR	7'-0"	9
S1	4	#4	STR	7'-0"	19	S1	4	#4	STR	7'-0"	19

REINFORCING STEEL LBS. 6,017 REINFORCING STEEL LBS. 3,575

SPLICE LENGTHS CHART		
BAR	SIZE	SPLICE LENGTH
C1	#4	1'-10"



BAR DIMENSIONS ARE OUT TO OUT

STRUCTURE QUANTITIES			
STAGE I		STAGE II	
CULVERT EXCAVATION	LUMP SUM	CULVERT EXCAVATION	LUMP SUM
FOUNDATION COND. MAT'L	46 TONS	FOUNDATION COND. MAT'L	27 TONS
CLASS A CONCRETE		CLASS A CONCRETE	
BARREL @ 0.802 CY/FT	46.4 C.Y.	BARREL @ 0.802 CY/FT	27.4 C.Y.
HEADWALL	0.3 C.Y.	HEADWALL	0.3 C.Y.
WINGS & CURTAIN WALL	13.0 C.Y.	WINGS & CURTAIN WALL	13.0 C.Y.
TOTAL	59.7 C.Y.	TOTAL	40.7 C.Y.
REINFORCING STEEL		REINFORCING STEEL	
BARREL & HEADWALL	6,017 LBS.	BARREL & HEADWALL	3,575 LBS.
2 WINGS	816 LBS.	2 WINGS	816 LBS.
TOTAL	6,833 LBS.	TOTAL	4,391 LBS.

PROJECT NO. I-5987B
ROBESON COUNTY
 STATION: 23+47.75-Y6-POC

SHEET 3 OF 5

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BARREL STANDARD
 SINGLE 6 FT. X 7 FT.
 CONCRETE BOX CULVERT
 STAGES I & II

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CDM Smith
 CDM SMITH
 5400 Glenwood Ave, Suite 400
 Raleigh, NC 27612-3228
 NC COA No. F-1255

CHECKED BY: THF DATE: 5/21
 DESIGN ENGINEER: VDK DATE: 6/21

DWG. No. _____



REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 5