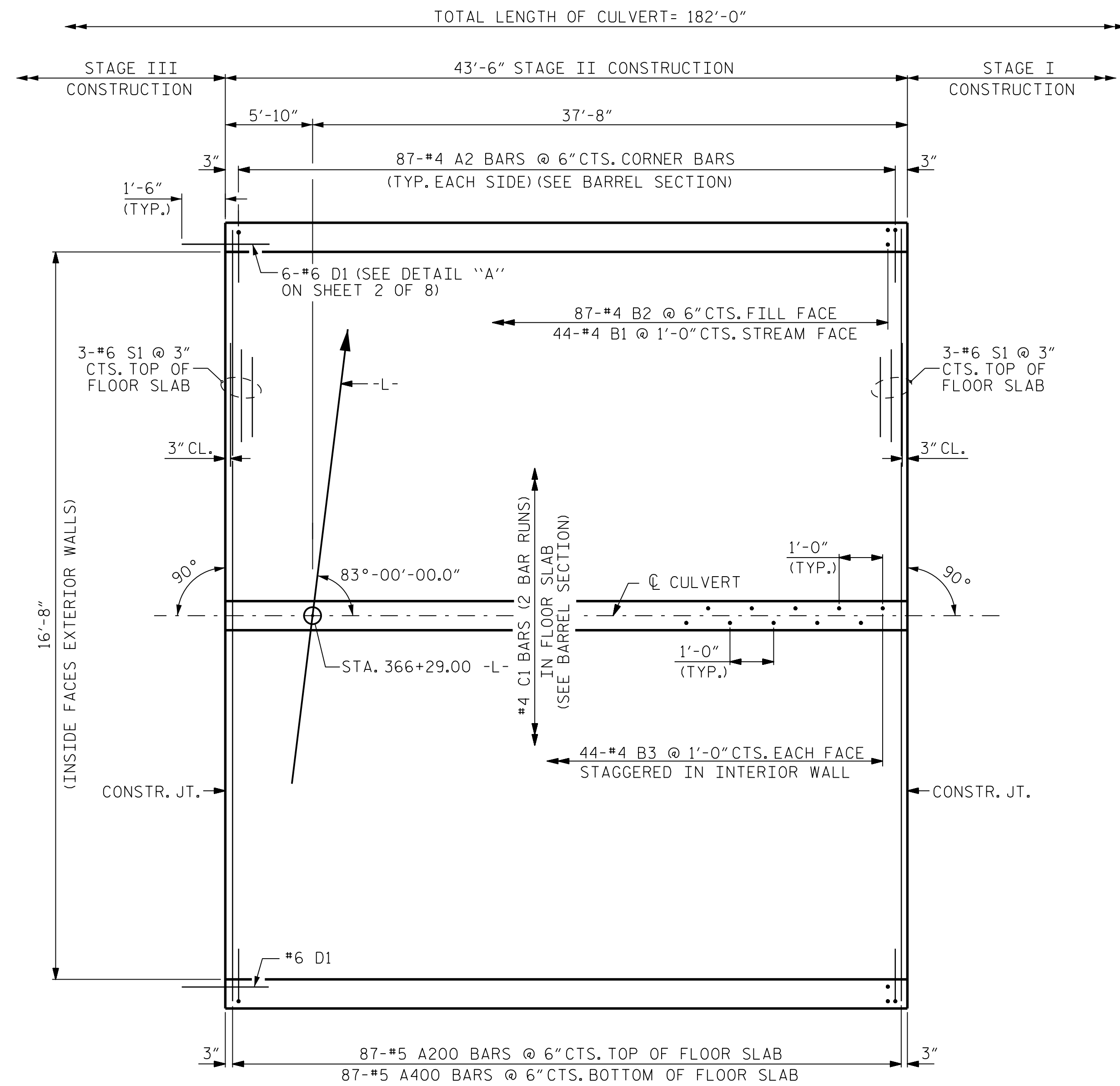


STAGE II - PLAN OF ROOF SLAB



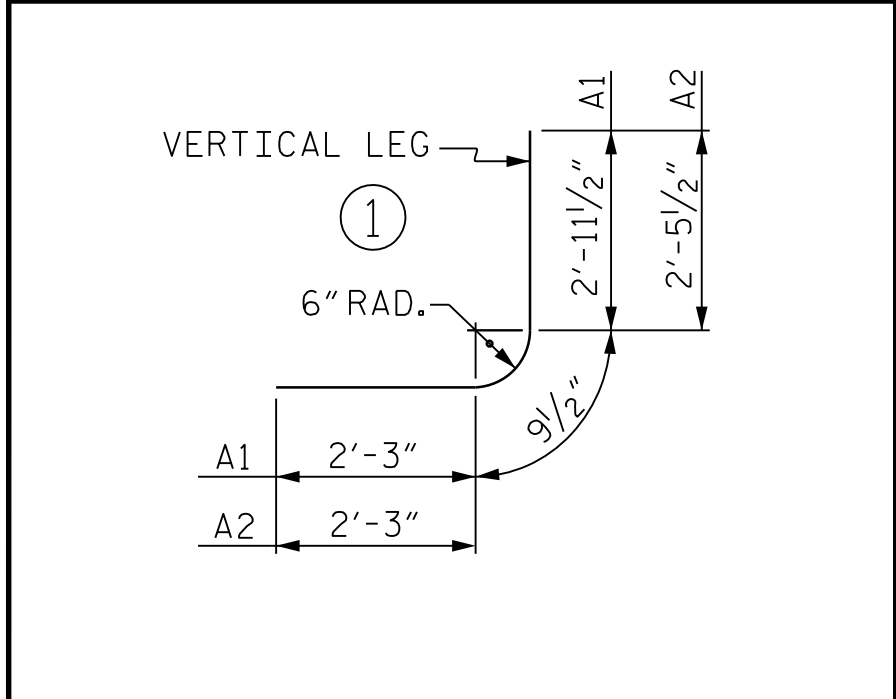
STAGE II - PLAN OF FLOOR SLAB

REINFORCING BAR SCHEDULE

STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	174	#4	1	6'-0"	697
A2	174	#4	1	5'-6"	639
B1	88	#4	STR	10'-6"	617
B2	174	#4	STR	8'-4"	969
B3	88	#4	STR	10'-6"	617
A100	87	#5	STR	17'-8"	1603
A200	87	#5	STR	17'-8"	1603
A300	87	#5	STR	17'-8"	1603
A400	87	#5	STR	17'-8"	1603
C1	150	#4	STR	22'-8"	2270
D1	36	#6	STR	3'-0"	162
S1	15	#6	STR	17'-8"	398

REINFORCING STEEL LBS. 12,783

BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTHS CHART

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

STRUCTURE QUANTITIES STAGE II	
FOUNDATION COND. MAT'L	68 TONS
CULVERT EXCAVATION	LUMP SUM
CLASS A CONCRETE	
BARREL @ 1.953 CY/FT	84.9 C.Y.
EDGE BEAM	0.7 C.Y.
TOTAL	85.6 C.Y.
REINFORCING STEEL	
BARRELS	12,783 LBS.
TOTAL	12,783 LBS.

PROJECT NO. I-5987A
ROBESON COUNTY
 STATION: 366+29.00 -L-

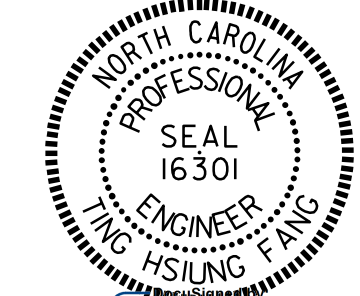
SHEET 4 OF 8

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BARREL STANDARD
**DOUBLE 8 FT. X 9 FT.
 CONCRETE BOX CULVERT**
STAGE II

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C12-4
1			3			TOTAL SHEETS 8
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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



DRAWN BY: JJR	DATE: 9/21	DWG. No.
CHECKED BY: THF	DATE: 12/21	
DESIGN ENGINEER: VDK	DATE: 12/21	