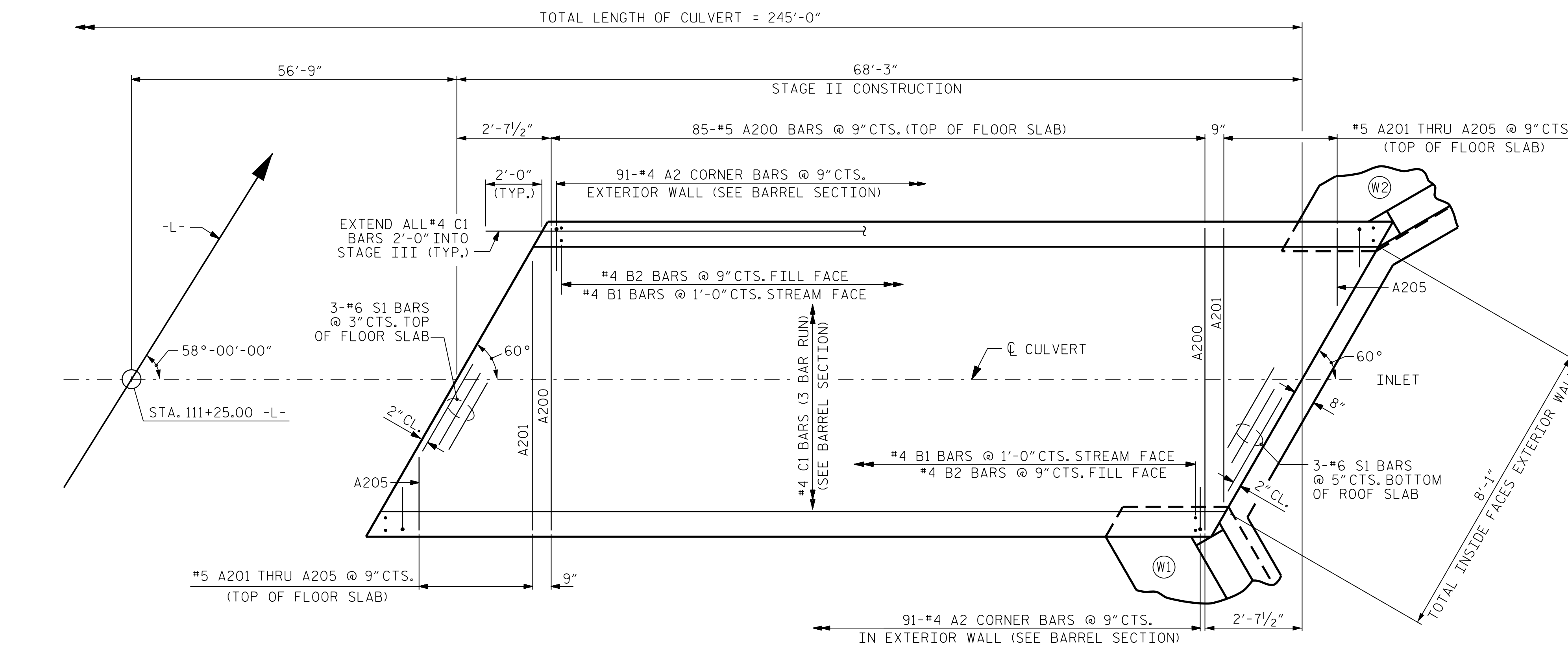


STAGE II - PLAN OF ROOF SLAB

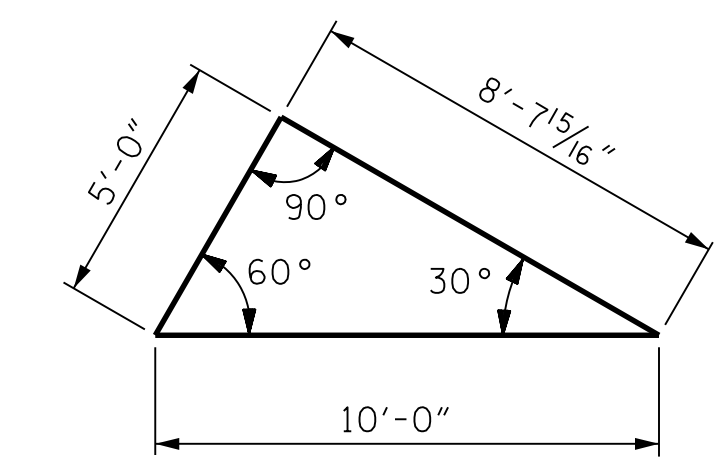


STAGE II - PLAN OF FLOOR SLAB

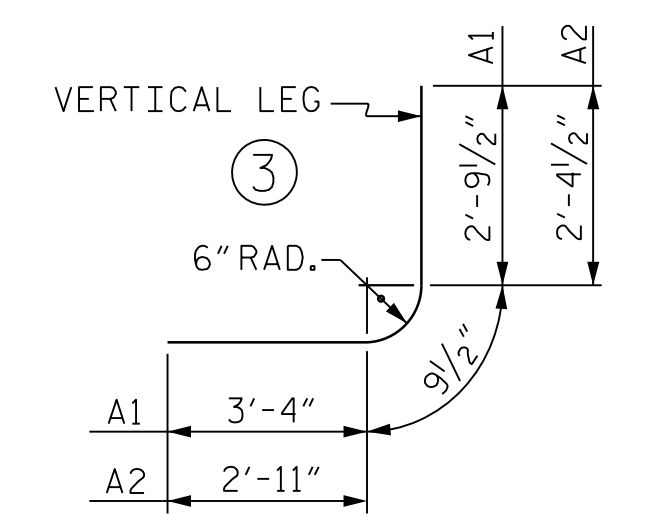
STRUCTURE QUANTITIES	
STAGE II	
FOUNDATION COND. MAT'L	60 TONS
CULVERT EXCAVATION	LUMP SUM
CLASS A CONCRETE	
BARREL @ 0.864 CY/FT	59.0 C.Y.
HEADWALL	0.5 C.Y.
WINGS & CURTAIN WALL	14.5 C.Y.
SILL	0.3 C.Y.
TOTAL	74.3 C.Y.
REINFORCING STEEL	
BARREL, SILL & HEADWALL	6,476 LBS.
2 WINGS	959 LBS.
TOTAL	7,435 LBS.

REINFORCING BAR SCHEDULE					
STAGE II					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	182	#4	3	6'-11"	841
A2	182	#4	3	6'-1"	740
A100	85	#5	STR	8'-0"	709
A101	2	#5	STR	6'-11"	14
A102	2	#5	STR	5'-7"	12
A103	2	#5	STR	4'-4"	9
A104	2	#5	STR	3'-0"	6
A105	2	#5	STR	1'-9"	4
A200	85	#5	STR	8'-0"	709
A201	2	#5	STR	6'-11"	14
A202	2	#5	STR	5'-7"	12
A203	2	#5	STR	4'-4"	9
A204	2	#5	STR	3'-0"	6
A205	2	#5	STR	1'-9"	4
B1	136	#4	STR	8'-4"	757
B2	182	#4	STR	6'-4"	770
C1	102	#4	STR	24'-7"	1675
D1	3	#6	STR	1'-5"	6
G1	2	#4	STR	9'-3"	12
S1	12	#6	STR	9'-3"	167
REINFORCING STEEL					LBS. 6,476

BAR TYPE



SKEW TRIANGLE



BAR DIMENSIONS ARE OUT TO OUT

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

PROJECT NO. I-5987A
ROBESON COUNTY
 STATION: 111+25.00 -L-
 SHEET 4 OF 8

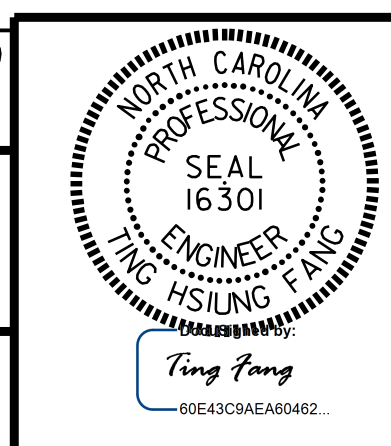
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 BARREL STANDARD
 SINGLE 7 FT. X 7 FT.
 CONCRETE BOX CULVERT
 STAGE II

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: 8/21
 CHECKED BY: THF DATE: 8/21
 DESIGN ENGINEER: VDK DATE: 9/21

DWG. No.



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

SHEET NO. **C19-4**
 TOTAL SHEETS **8**