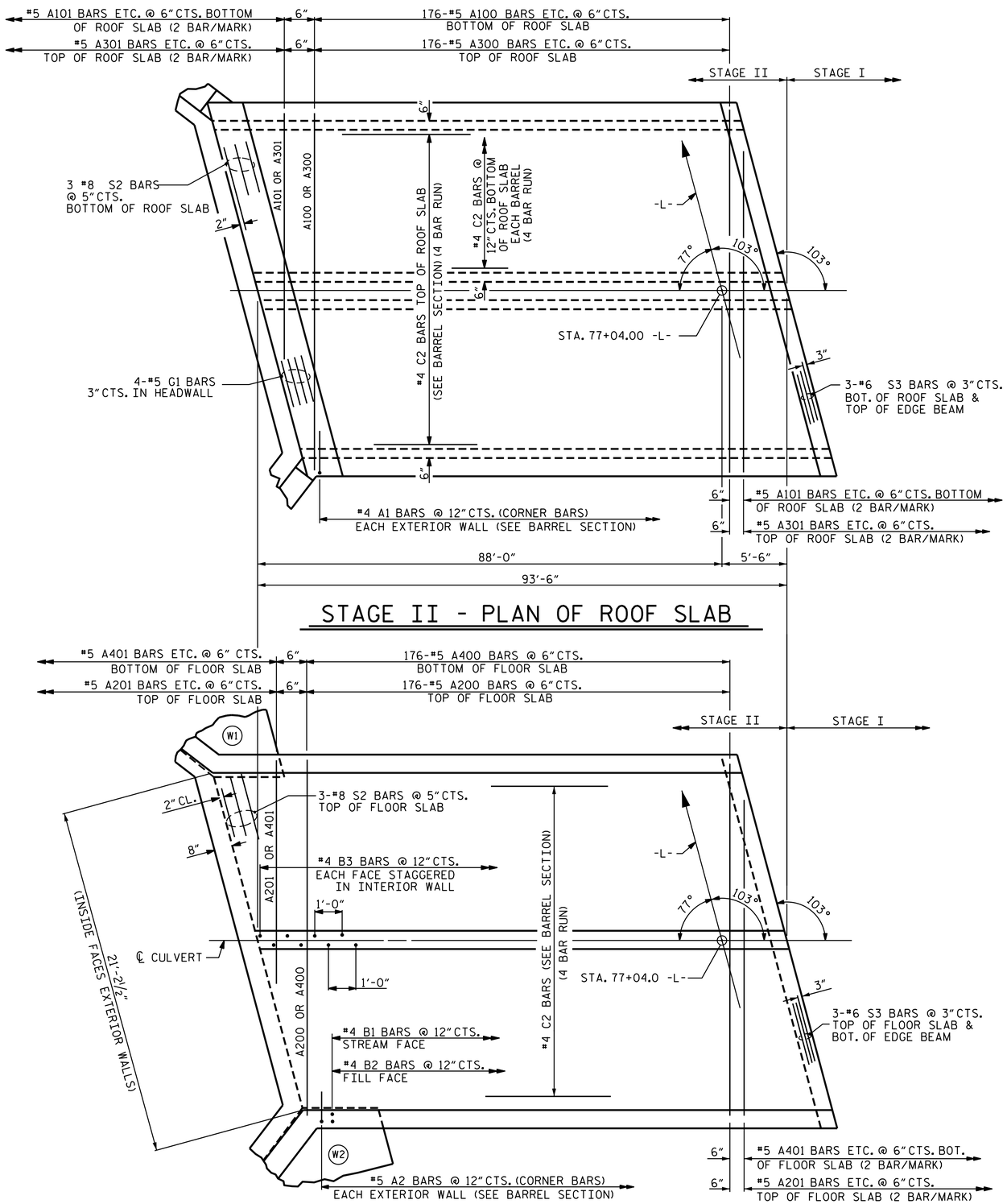
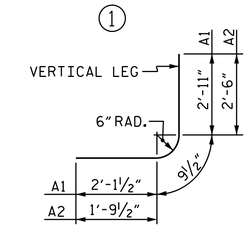


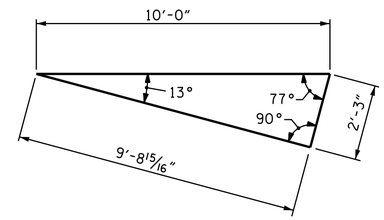
STAGE II - PLAN OF ROOF SLAB

STAGE II - PLAN OF FLOOR SLAB

BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT



SKEW TRIANGLE

TOTAL STRUCTURE QUANTITIES STAGE II

CLASS A CONCRETE		
BARREL @ 2.835 CY/FT	265.1	C.Y.
WINGS ETC.	11.4	C.Y.
SILLS	2.3	C.Y.
EDGE BEAMS	1.7	C.Y.
TOTAL	280.5	C.Y.
REINFORCING STEEL		
BARREL & SILLS	29,059	LBS.
WINGS ETC.	638	LBS.
TOTAL	29,697	LBS.
CULVERT EXCAVATION	LUMP SUM	
FOUNDATION COND. MAT'L	171	TONS

BILL OF MATERIAL

STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	188	#4	1	5'-10"	733
A2	188	#5	1	5'-1"	997
A100	176	#5	STR	21'-7"	3962
A101	4	#5	STR	17'-5"	73
A102	4	#5	STR	13'-8"	57
A103	4	#5	STR	9'-11"	41
A104	4	#5	STR	6'-3"	26
A105	4	#5	STR	2'-6"	10
A200	176	#5	STR	21'-7"	3962
A201	4	#5	STR	17'-5"	73
A202	4	#5	STR	13'-8"	57
A303	4	#5	STR	9'-11"	41
A204	4	#5	STR	6'-3"	26
A205	4	#5	STR	2'-6"	10
A300	176	#5	STR	21'-7"	3962
A301	4	#5	STR	17'-5"	73
A302	4	#5	STR	13'-8"	57
A303	4	#5	STR	9'-11"	41
A304	4	#5	STR	6'-3"	26
A305	4	#5	STR	2'-6"	10
A400	176	#5	STR	21'-7"	3962
A401	4	#5	STR	17'-5"	73
A402	4	#5	STR	13'-8"	57
A403	4	#5	STR	9'-11"	41
A404	4	#5	STR	6'-3"	26
A405	4	#5	STR	2'-6"	10
B1	188	#4	STR	9'-4"	1172
B2	188	#4	STR	6'-4"	795
B3	188	#4	STR	9'-4"	1172
C2	396	#4	STR	24'-11"	6591
D2	16	#6	STR	2'-0"	48
D3	4	#6	STR	3'-0"	18
G1	4	#5	STR	22'-5"	94
S2	6	#8	STR	22'-5"	359
S3	12	#6	STR	22'-5"	404
REINFORCING STEEL				LBS.	29059

SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
C2	#4	1'-11"

PROJECT NO. R-0623
MONTGOMERY COUNTY
STATION: 77+04.00 -L-

SHEET 4 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BARREL STANDARD
DOUBLE 10 FT. X 7 FT.
CONCRETE BOX CULVERT
103° SKEW
STAGE II

NORTH CAROLINA PROFESSIONAL SEAL 25461 ENGINEER EMMANUEL I. OMILE
9/29/2014

DocuSigned by:
6581110228E1B425...

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		C-11
1			3				TOTAL SHEETS
2			4				29

CULVERT #2 STD. NO. CB332

REVISED 11-19-99 BY M.W. CHECKED BY R.W.W.
REVISED 8-29-93 BY E.L.R. CHECKED BY G.P.P.
REDRAWN 8/21/90 BY S.A.L., CHECKED BY E.L.R.

ASSEMBLED BY : E.I. OMILE DATE : 1-17-13
CHECKED BY : S. WANCE DATE : 3/13
DRAWN BY : W.BRYAN STALEY II DATE : NOV.5,1971
CHECKED BY : JOEL A. JOHNSON DATE : NOV.13,1971