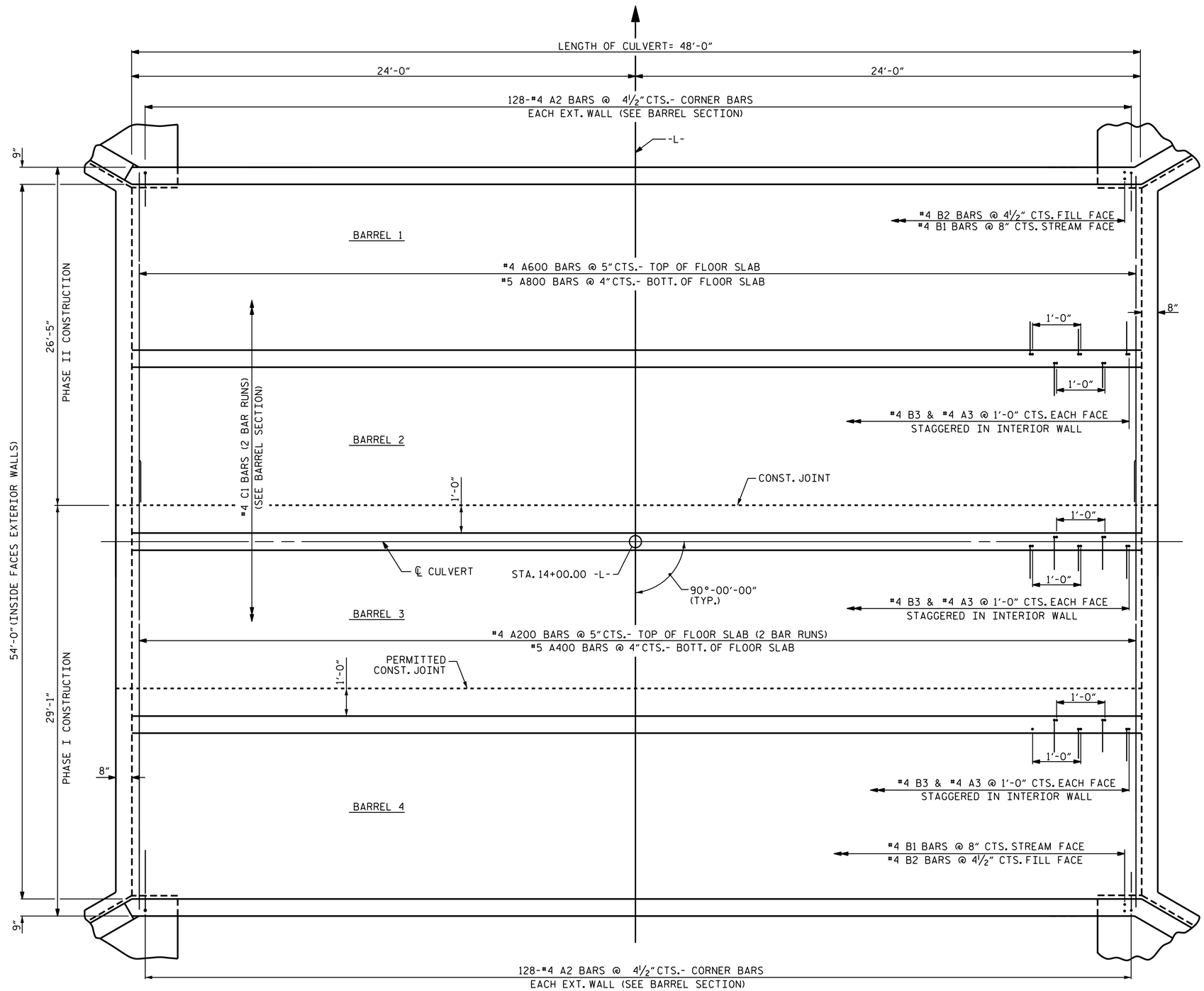


PLAN - FLOOR SLAB

BILL OF MATERIAL

PHASE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	128	#4	3	6'-11"	591
A2	128	#4	3	4'-8"	399
A3	192	#4	3	6'-9"	866
A200	232	#4	STR	16'-6"	2557
A400	144	#5	STR	31'-6"	4731
B1	72	#4	STR	14'-8"	705
B2	128	#4	STR	12'-4"	1055
B3	192	#4	STR	14'-8"	1881
C1	154	#4	STR	24'-11"	2563
D1	4	#6	STR	1'-4"	8
D2	8	#6	STR	1'-10"	22
REINFORCING STEEL				LBS.	15378

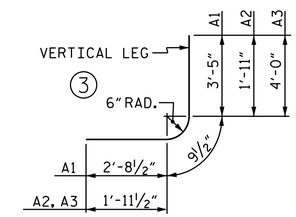
PHASE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	128	#4	3	6'-11"	591
A2	128	#4	3	4'-8"	399
A3	96	#4	3	6'-9"	433
A600	116	#4	STR	26'-2"	2028
A800	144	#5	STR	26'-2"	3930
B1	72	#4	STR	14'-8"	705
B2	128	#4	STR	12'-4"	1055
B3	96	#4	STR	14'-8"	941
C1	122	#4	STR	24'-11"	2031
D1	4	#6	STR	1'-4"	8
D2	8	#6	STR	1'-10"	22
REINFORCING STEEL				LBS.	12143

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A200	#4	1'-11"
A400	#5	2'-5"
C1	#4	1'-11"

BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

TOTAL STRUCTURE QUANTITIES

PHASE I		PHASE II	
CLASS A CONCRETE		CLASS A CONCRETE	
PARTIAL BARREL	89.1 C.Y.	PARTIAL BARREL	69.9 C.Y.
SILLS	1.9 C.Y.	SILLS	1.9 C.Y.
2 WINGS ETC.	30.9 C.Y.	2 WINGS ETC.	30.6 C.Y.
TOTAL	121.9 C.Y.		102.4 C.Y.
REINFORCING STEEL		REINFORCING STEEL	
PARTIAL BARREL	15,378 LBS.	PARTIAL BARREL	12,143 LBS.
2 WINGS ETC.	2,371 LBS.	2 WINGS ETC.	2,371 LBS.
TOTAL	17,749 LBS.	TOTAL	14,514 LBS.
CULVERT EXCAVATION	LUMP SUM	CULVERT EXCAVATION	LUMP SUM
FOUNDATION COND. MAT'L	112 TONS	FOUNDATION COND. MAT'L	112 TONS

PROJECT NO. B-5127

HOKE COUNTY

STATION: 14+00.00 -L-

SHEET 3 OF 8

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

QUADRUPLE 13 FT. X 13 FT. CONCRETE BOX CULVERT 90° SKEW

PHASES I & II

NORTH CAROLINA PROFESSIONAL SEAL 16301 ENGINEER TING HSIUNG FANG

DocuSigned by: Ting H. Fang
E720884009774 35...
12/19/2014

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

STD. NO. CB14

DRAWN BY :	E.I. OMILE	DATE :	4/13
CHECKED BY :	S.L. WANCE	DATE :	4/13
DESIGN ENGINEER OF RECORD:	E.I. OMILE	DATE :	11/5/14
DRAWN BY :	RALPH D. UNDERWOOD	DATE :	MAY, 1971
CHECKED BY :	JOEL A. JOHNSON	DATE :	JUNE, 1971

REVISED 11-19-99 BY M.M. CHECKED BY R.W.W.
REDRAWN B.E.WYNN NOV. 1999 CHECKED BY D.A.C.