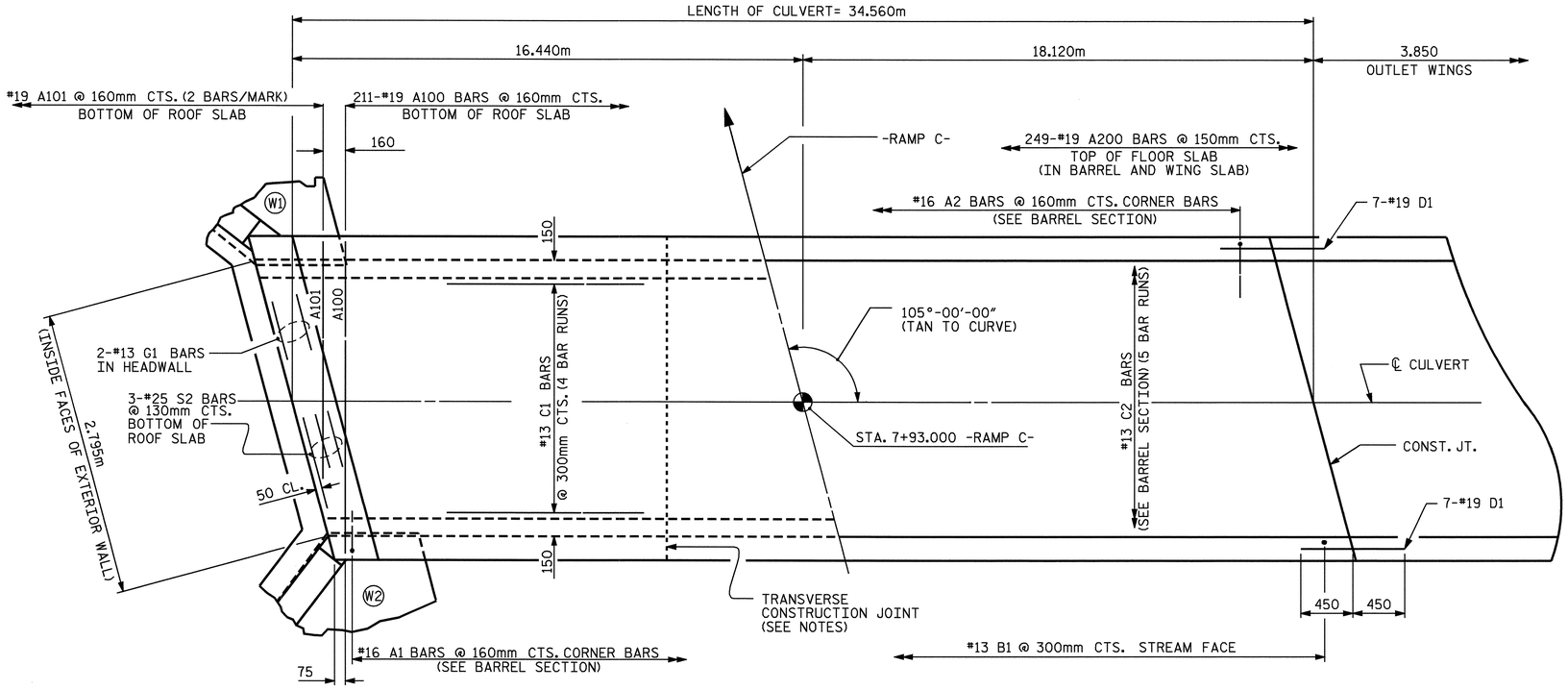
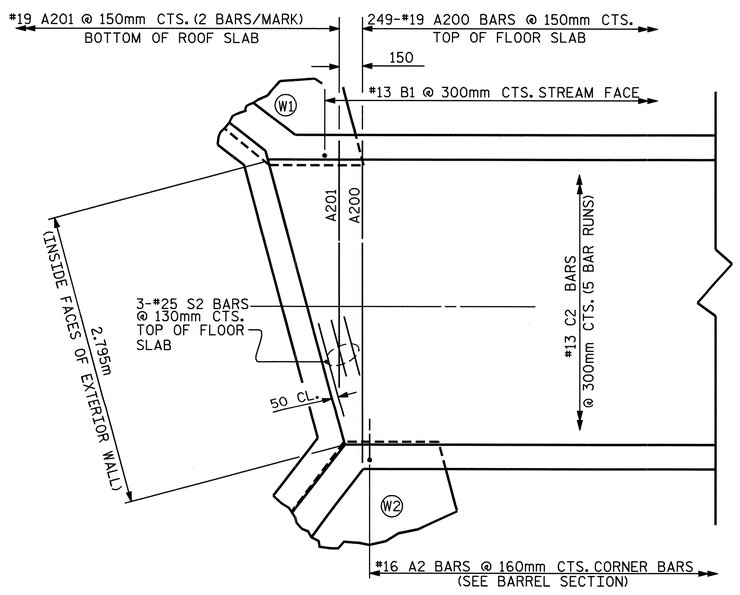
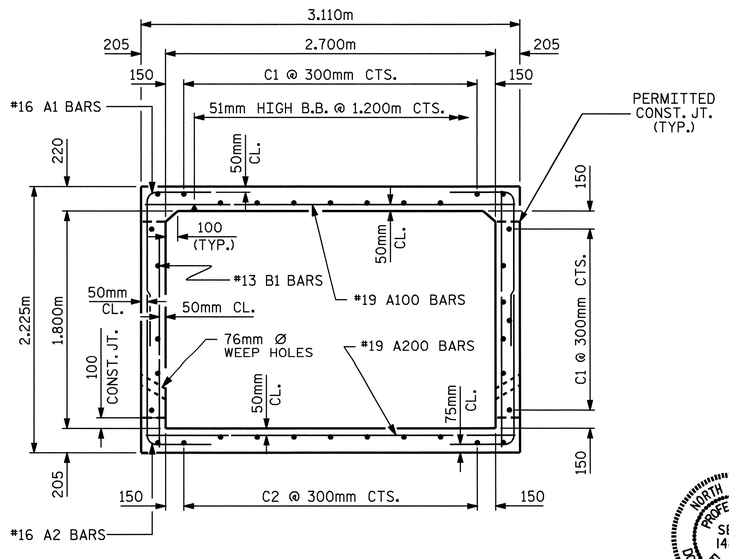


PART PLAN - ROOF SLAB



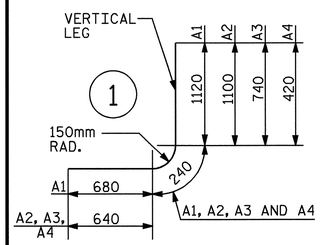
PART PLAN - FLOOR SLAB

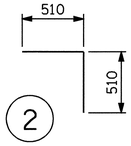


RIGHT ANGLE SECTION OF BARREL

THERE ARE 36 "C" BARS IN SECTION OF BARREL

BAR TYPE





BAR DIMENSIONS ARE OUT TO OUT

FOR OUTLET WING AND FLOOR SLAB DETAILS, SEE SHEET 5 OF 6.

REINFORCING STEEL BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	432	16	1	2040	1368
A2	462	16	1	1980	1420
A3	10	16	1	1620	25
A4	8	16	1	1300	16
A100	211	19	STR	2980	1405
A101	4	19	STR	1660	15
A200	249	19	STR	2980	1658
A201	4	19	STR	1700	15
B1	232	13	STR	2060	475
C1	100	13	STR	9040	899
C2	55	13	STR	8140	445
D1	14	19	STR	900	28
G1	4	13	STR	3100	12
K1	6	13	2	1020	6
S2	14	25	STR	3100	172

REINFORCING STEEL

BARREL AND OUTLET WING FLOOR SLAB 7960 Kg.

BARREL QUANTITIES

CLASS A CONCRETE

BARREL @ 2.04 m³/m 70.5 m³

OUTLET WING FLOOR SLAB AND END CURTAIN WALL 2.8 m³

TOTAL 73.3 m³

SPLICE LENGTHS CHART

BAR	SIZE	SPLICE LENGTH
B1	13	540
C1, C2	13	590

PROJECT NO. R-2552C

JOHNSTON COUNTY

STATION: 7+93.000 -RAMP C-

SHEET 3 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SINGLE 2.700m X 1.800m CONCRETE BOX CULVERT 105° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 14855 ENGINEER DOUGLAS R. CALHOUN
3-2-05

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-39
1			3			TOTAL SHEETS
2			4			42

ASSEMBLED BY : T.L.CLELLAND DATE : 10/18/04
CHECKED BY : T.A.HARRIS DATE : 11/15/04

02-MAR-2005 13:35
W:\squado\r2552c\TCLELL~1\MICROS~1\R-2552C\R-2552-4.DGN
tclelland

STR. #13 22