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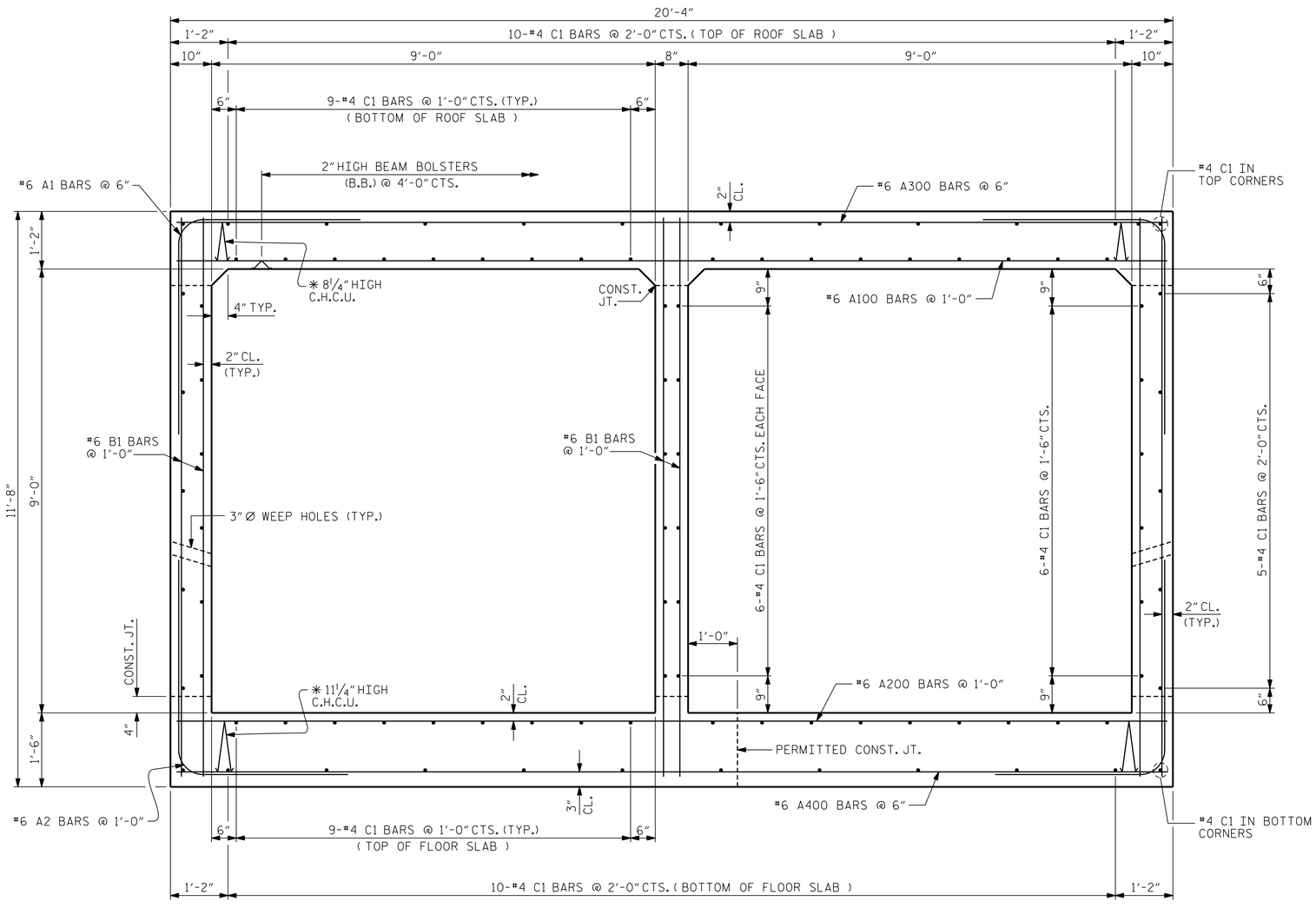
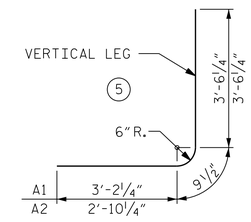


RIGHT ANGLE SECTION OF BARREL

THERE ARE 94 "C" BARS IN SECTION OF BARREL.
✳ ALL CONTINUOUS HIGH CHAIR UPPERS (C.H.C.U.) @ 3'-0" CTS.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	734	6	5	7'-6"	8,269
A2	368	6	5	7'-2"	3,961
A100	184	6	STR	20'-0"	5,527
A200	184	6	STR	20'-0"	5,527
A300	367	6	STR	20'-0"	11,025
A400	367	6	STR	20'-0"	11,025
B1	1104	6	STR	11'-3"	18,655
C1	658	4	STR	27'-9"	12,197
D1	6	6	STR	2'-1"	19
D2	6	6	STR	3'-7"	32
G1	8	5	STR	20'-0"	167
S2	6	8	STR	20'-0"	320
REINFORCING STEEL					76,724 LBS

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A300	#6	2'-9"
A400	#6	2'-9"
B1	#6	2'-9"
C1	#4	1'-9"

PROJECT NO. W-5107
JOHNSTON COUNTY
STATION: 26+21.25 -Y6-

SHEET 3 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPICAL SECTION DOUBLE 9 FT. X 9 FT. CONCRETE BOX CULVERT

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER PAUL A. de PAOLI
11/20/2014

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

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

SHEET NO. C-26
TOTAL SHEETS 36

DRAWN BY : J.S. ISRAELNAIM DATE : 03/14
CHECKED BY : P.A. de PAOLI DATE : 03/14
DESIGN ENGINEER OF RECORD : P.A. de PAOLI DATE : 03/14

11/20/2014
10:24:50 AM
User: blanning
Filename: P:\NC Bridges\MI2005 - W-5107 Johnston Co\MI2005.06_Culvert 4_New_Quincosin Swamp at -Y6-\Structures\413.015_C04_W5107_SMU_CU3.dgn