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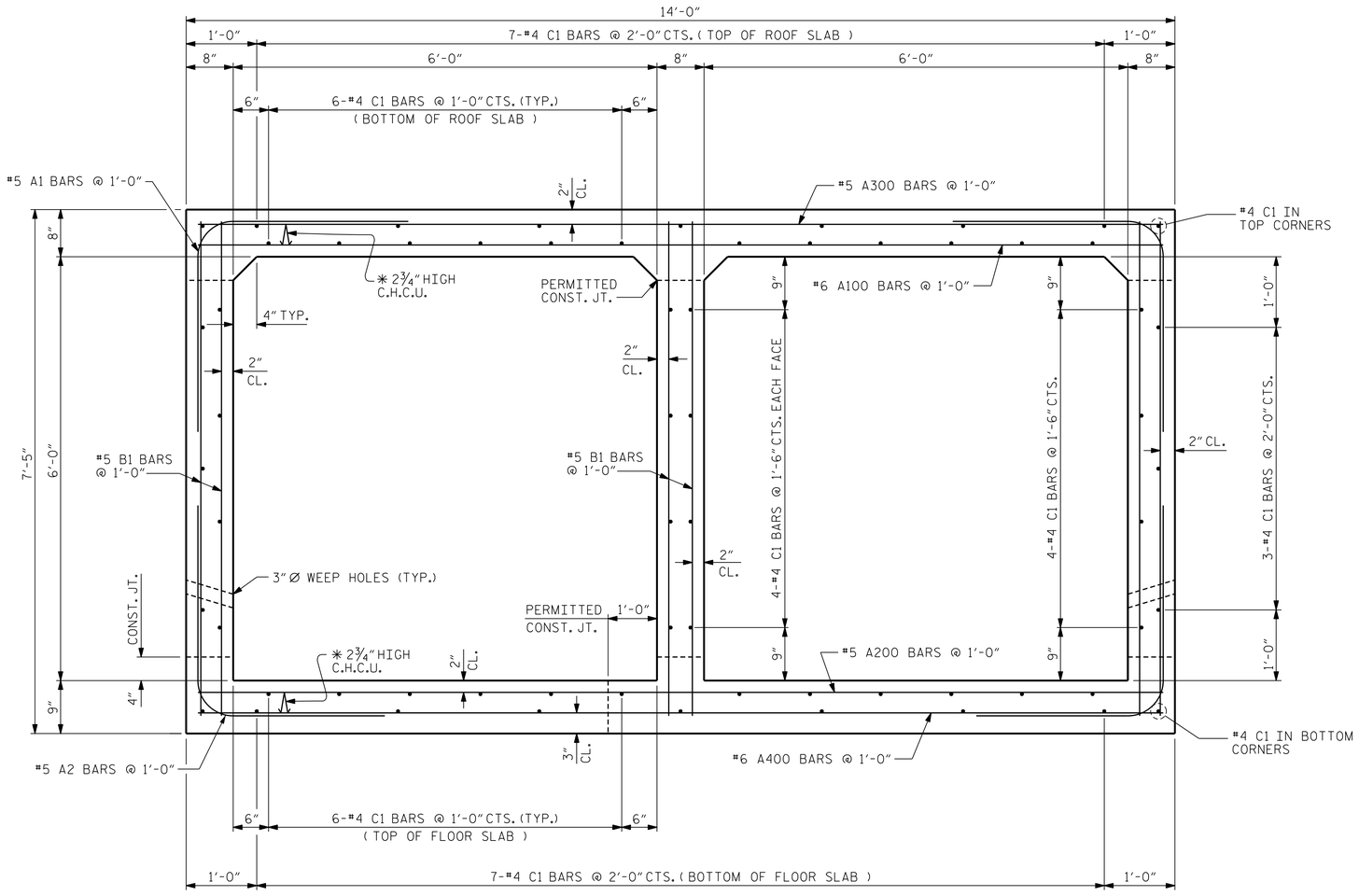
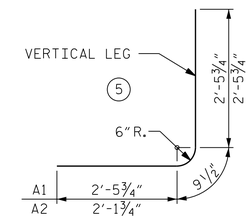


RIGHT ANGLE SECTION OF BARREL

THERE ARE 64 "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.



SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A300	#5	2'-2"
A400	#6	2'-9"

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	24	5	5	5'-9"	144
A2	22	5	5	5'-5"	124
A100	1	6	STR	12'-2"	18
A101	2	6	STR	11'-11"	36
A102	2	6	STR	10'-10"	33
A103	2	6	STR	9'-10"	30
A104	2	6	STR	8'-10"	27
A105	2	6	STR	7'-10"	24
A106	2	6	STR	6'-10"	21
A107	2	6	STR	5'-10"	18
A108	2	6	STR	4'-9"	14
A109	2	6	STR	3'-9"	11
A200	2	5	STR	11'-3"	23
A201	2	5	STR	10'-11"	23
A202	2	5	STR	9'-11"	21
A203	2	5	STR	8'-11"	19
A204	2	5	STR	7'-11"	17
A205	2	5	STR	6'-11"	14
A206	2	5	STR	5'-10"	12
A207	2	5	STR	4'-10"	10
A208	2	5	STR	3'-10"	8
A300	1	5	STR	12'-2"	13
A301	2	5	STR	11'-11"	25
A302	2	5	STR	10'-10"	23
A303	2	5	STR	9'-10"	21
A304	2	5	STR	8'-10"	18
A305	2	5	STR	7'-10"	16
A306	2	5	STR	6'-10"	14
A307	2	5	STR	5'-10"	12
A308	2	5	STR	4'-10"	10
A309	2	5	STR	3'-9"	8
A400	2	6	STR	11'-3"	34
A401	2	6	STR	10'-11"	33
A402	2	6	STR	9'-11"	30
A403	2	6	STR	8'-11"	27
A404	2	6	STR	7'-11"	24
A405	2	6	STR	6'-11"	21
A406	2	6	STR	5'-10"	18
A407	2	6	STR	4'-10"	15
A408	2	6	STR	3'-10"	12
B1	66	5	STR	7'-0"	482
C1	64	4	STR	12'-1"	517
D1	28	6	STR	2'-6"	105
G1	4	5	STR	19'-3"	80
S1	6	8	STR	19'-3"	308
S2	12	6	STR	19'-3"	347
REINFORCING STEEL					2,860 LBS

PROJECT NO. W-5107
JOHNSTON COUNTY
STATION: 118+94.95 -L-

SHEET 3 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPICAL SECTION DOUBLE 6 FT. X 6 FT. CONCRETE BOX CULVERT EXTENSION

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-33
TOTAL SHEETS 36

DRAWN BY : J.S. ISRAELNAIM DATE : 07/14
CHECKED BY : P.A. de PAOLI DATE : 07/14
DESIGN ENGINEER OF RECORD : P.A. de PAOLI DATE : 07/14

11/20/2014
10:29:45 AM
User: blanning
Filename: P:\NC Bridges\MI2005 - W-5107 Johnston Co\MI2005.07_Culvert 5_Ext_Quincosin Swamp at US 70 Byp\Structures\414_015_C05_W5107_SMU_CU3.dgn