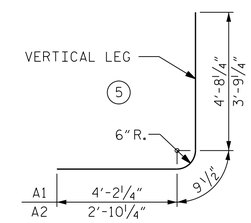
DocuSign Envelope ID: 697BD2C9-C5FC-4A21-B1D8-89A5640C220C

SPLICE LENGTH CHART		
BAR	SIZE	SPLICE LENGTH
A400	#6	2'-9"
A200	#7	3'-9"
C1	#4	1'-9"

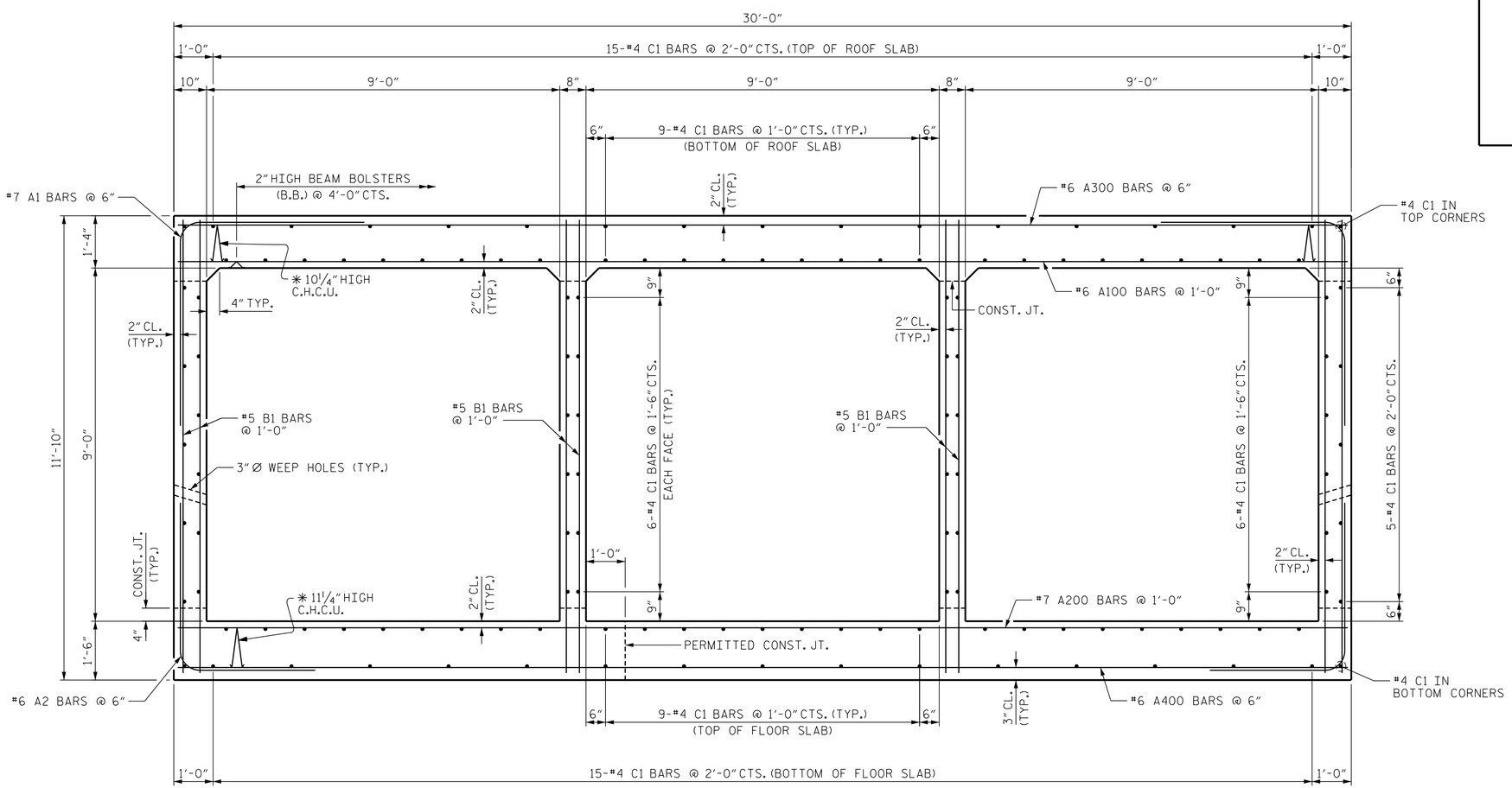
BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	1080	7	5	9'-8"	21,339
A2	1080	6	5	7'-5"	12,031
A100	269	6	STR	29'-8"	11,986
A101	1	6	STR	24'-8"	37
A102	1	6	STR	18'-4"	28
A103	1	6	STR	12'-0"	18
A104	1	6	STR	5'-8"	9
A200	269	7	STR	29'-8"	16,312
A201	1	7	STR	24'-7"	50
A202	1	7	STR	18'-3"	37
A203	1	7	STR	12'-0"	25
A204	1	7	STR	5'-8"	12
A300	537	6	STR	29'-8"	23,928
A301	1	6	STR	27'-10"	42
A302	1	6	STR	24'-8"	37
A303	1	6	STR	21'-6"	32
A304	1	6	STR	18'-4"	28
A305	1	6	STR	15'-2"	23
A306	1	6	STR	12'-0"	18
A307	1	6	STR	8'-10"	13
A308	1	6	STR	5'-8"	9
A400	537	6	STR	29'-8"	23,928
A401	1	6	STR	27'-10"	42
A402	1	6	STR	24'-8"	37
A403	1	6	STR	21'-6"	32
A404	1	6	STR	18'-4"	28
A405	1	6	STR	15'-2"	23
A406	1	6	STR	12'-0"	18
A407	1	6	STR	8'-10"	13
A408	1	6	STR	5'-8"	9
B1	2168	5	STR	11'-5"	25,816
C1	1340	4	STR	28'-11"	25,884
G1	4	5	STR	29'-8"	124
G2	4	5	STR	30'-0"	125
S1	6	8	STR	29'-8"	475
S2	6	8	STR	30'-0"	481
REINFORCING STEEL					163,049 LBS



RIGHT ANGLE SECTION OF BARREL

THERE ARE 134 "C" BARS IN SECTION OF BARREL.
✳ ALL CONTINUOUS HIGH CHAIR UPPERS (C.H.C.U.) @ 3'-0" CTS.

PROJECT NO. W-5107
JOHNSTON COUNTY
STATION: 24+31.50 -Y1-

SHEET 4 OF 9

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPICAL SECTION TRIPLE 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-11
TOTAL SHEETS 36

DRAWN BY :	J.S. ISRAELNAIM	DATE :	05/14
CHECKED BY :	P.A. de PAOLI	DATE :	06/14
DESIGN ENGINEER OF RECORD :	P.A. de PAOLI	DATE :	06/14

11/20/2014
10:13:25 AM
User: blanning
Filename: P:\NC Bridges\MI2005 - W-5107 Johnston Co\MI2005.04_Culvert 2_New. Bawdy Creek at US 70 Bus\Structures\411_020_C02_W5107_SMU_CU4.dgn