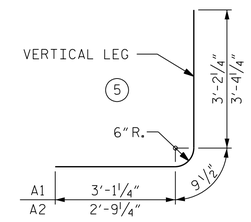
DocuSign Envelope ID: 8FF6719D-7D19-48C1-9FDC-0403973C721B

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

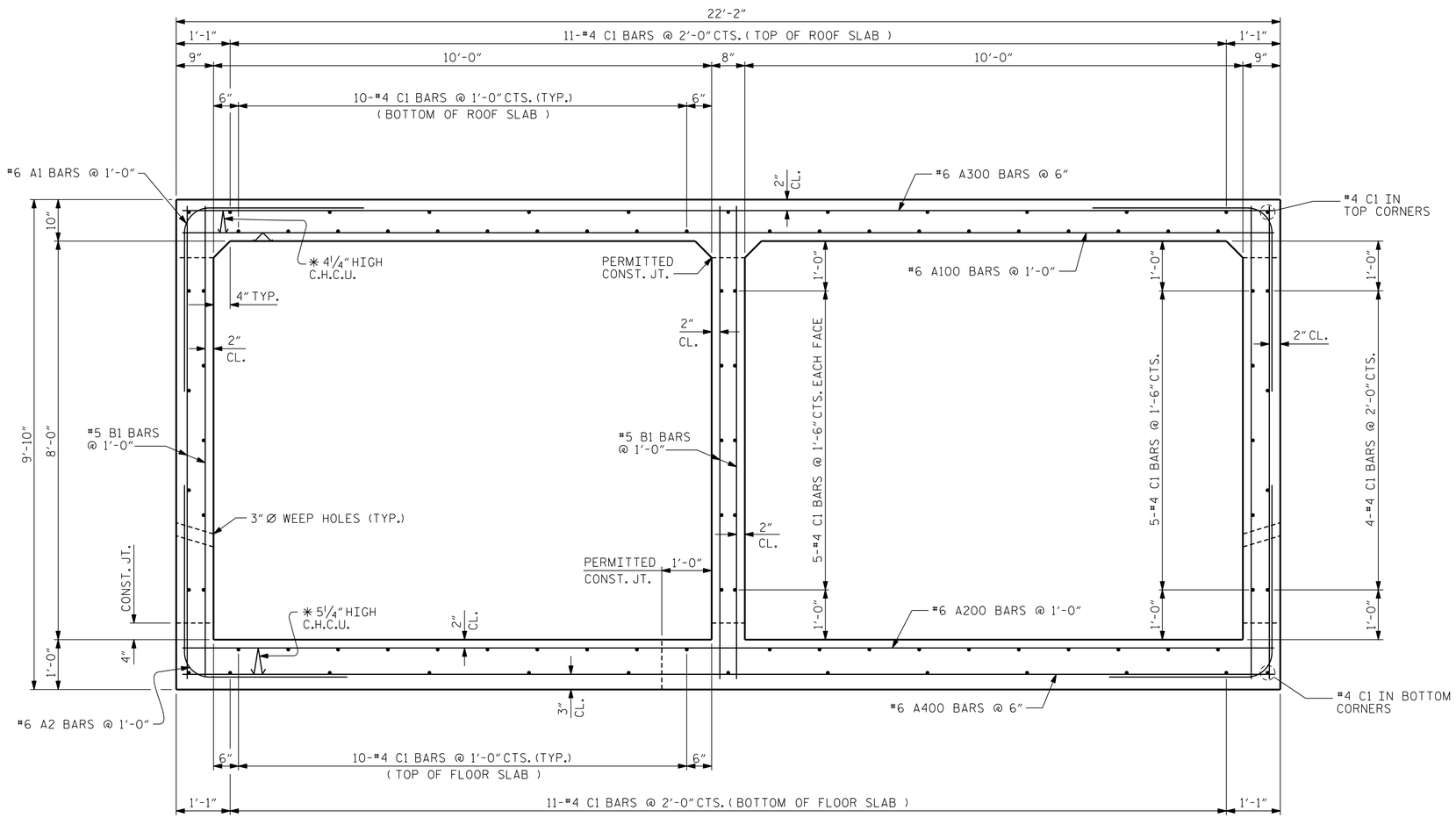
BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT.



BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	68	6	5	7'-1"	723	A320	1	6	STR	12'-4"	19
A2	65	6	5	6'-11"	675	A321	1	6	STR	11'-5"	17
A100	30	6	STR	21'-10"	984	A322	1	6	STR	10'-7"	16
A101	1	6	STR	18'-9"	28	A323	1	6	STR	9'-8"	15
A102	1	6	STR	15'-0"	23	A324	1	6	STR	8'-10"	13
A103	1	6	STR	11'-2"	17	A325	1	6	STR	8'-0"	12
A104	1	6	STR	7'-5"	11	A326	1	6	STR	7'-1"	11
A105	1	6	STR	20'-1"	30	A327	1	6	STR	6'-3"	9
A106	1	6	STR	18'-4"	28	A328	1	6	STR	5'-4"	8
A107	1	6	STR	16'-8"	25	A329	1	6	STR	4'-6"	7
A108	1	6	STR	14'-11"	22	A330	1	6	STR	3'-8"	6
A109	1	6	STR	13'-2"	20	A400	58	6	STR	21'-10"	1,902
A110	1	6	STR	11'-5"	17	A401	1	6	STR	19'-11"	30
A111	1	6	STR	9'-8"	15	A402	1	6	STR	18'-1"	27
A112	1	6	STR	8'-0"	12	A403	1	6	STR	16'-2"	24
A113	1	6	STR	6'-3"	9	A404	1	6	STR	14'-3"	21
A114	1	6	STR	4'-6"	7	A405	1	6	STR	12'-4"	19
A200	29	6	STR	21'-10"	951	A406	1	6	STR	10'-6"	16
A201	1	6	STR	19'-11"	30	A407	1	6	STR	8'-7"	13
A202	1	6	STR	16'-2"	24	A408	1	6	STR	6'-8"	10
A203	1	6	STR	12'-4"	19	A409	1	6	STR	21'-0"	32
A204	1	6	STR	8'-7"	13	A410	1	6	STR	20'-1"	30
A205	1	6	STR	20'-1"	30	A411	1	6	STR	19'-3"	29
A206	1	6	STR	18'-4"	28	A412	1	6	STR	18'-4"	28
A207	1	6	STR	16'-8"	25	A413	1	6	STR	17'-6"	26
A208	1	6	STR	14'-11"	22	A414	1	6	STR	16'-8"	25
A209	1	6	STR	13'-2"	20	A415	1	6	STR	15'-9"	24
A210	1	6	STR	11'-5"	17	A416	1	6	STR	14'-11"	22
A211	1	6	STR	9'-8"	15	A417	1	6	STR	14'-0"	21
A212	1	6	STR	8'-0"	12	A418	1	6	STR	13'-2"	20
A213	1	6	STR	6'-3"	9	A419	1	6	STR	12'-4"	19
A214	1	6	STR	4'-6"	7	A420	1	6	STR	11'-5"	17
A300	59	6	STR	21'-10"	1,935	A421	1	6	STR	10'-7"	16
A301	1	6	STR	20'-8"	31	A422	1	6	STR	9'-8"	15
A302	1	6	STR	18'-9"	28	A423	1	6	STR	8'-10"	13
A303	1	6	STR	16'-10"	25	A424	1	6	STR	8'-0"	12
A304	1	6	STR	15'-0"	23	A425	1	6	STR	7'-1"	11
A305	1	6	STR	13'-1"	20	A426	1	6	STR	6'-3"	9
A306	1	6	STR	11'-2"	17	A427	1	6	STR	5'-4"	8
A307	1	6	STR	9'-4"	14	A428	1	6	STR	4'-6"	7
A308	1	6	STR	7'-5"	11	A429	1	6	STR	3'-8"	6
A309	1	6	STR	5'-6"	8						
A310	1	6	STR	21'-0"	32	B1	196	5	STR	9'-5"	1,925
A311	1	6	STR	20'-1"	30						
A312	1	6	STR	19'-3"	29	C1	188	4	STR	18'-6"	2,323
A313	1	6	STR	18'-4"	28						
A314	1	6	STR	17'-6"	26	D1	40	6	STR	2'-6"	150
A315	1	6	STR	16'-8"	25						
A316	1	6	STR	15'-9"	24	G1	4	5	STR	25'-2"	105
A317	1	6	STR	14'-11"	22						
A318	1	6	STR	14'-0"	21	S1	12	6	STR	22'-6"	406
A319	1	6	STR	13'-2"	20	S2	6	8	STR	25'-2"	403
						REINFORCING STEEL					14,134 LBS



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.

PROJECT NO. W-5107
JOHNSTON COUNTY
STATION: 26+51.38 -L-

SHEET 4 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

TYPICAL SECTION DOUBLE 10 FT. X 8 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						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-4
1			3			TOTAL SHEETS
2			4			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

11/19/2014
4:55:44 PM
User: blanning
Filename: P:\NC Bridges\MI2005 - W-5107 Johnston Co\MI2005.03_Culvert 1_Ext_Bowdy Creek at US 70 Byp\Structures\410_020_C01_W5107_SMU_CU4.dgn