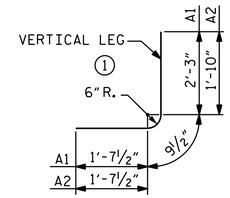
BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTH CHART

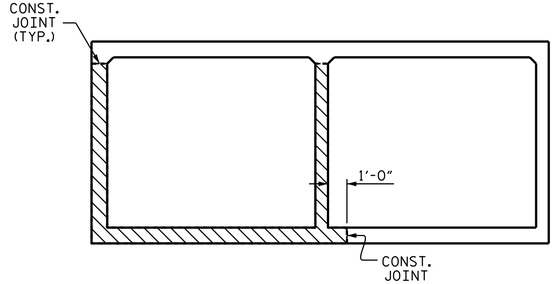
BAR	SIZE	LENGTH
A200	#4	1'-9"
A400	#5	2'-2"
B1	#4	1'-9"
B3	#4	1'-9"
C1	#4	1'-11"
S1, S3, S5	#8	4'-11"
S2, S4, S6	#6	2'-9"

BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	402	#4	1	4'-8"	1253
A2	806	#4	1	4'-3"	2288
A100	278	#4	STR	13'-8"	2538
A101	2	#4	STR	10'-6"	14
A102	2	#4	STR	7'-4"	10
A103	2	#4	STR	4'-2"	6
A104	2	#4	STR	12'-4"	16
A105	2	#4	STR	11'-0"	15
A106	2	#4	STR	9'-8"	13
A107	2	#4	STR	8'-4"	11
A108	2	#4	STR	7'-0"	9
A109	2	#4	STR	5'-8"	8
A110	2	#4	STR	4'-4"	6
A111	2	#4	STR	3'-0"	4
A112	7	#4	STR	8'-4"	39
A113	4	#4	STR	11'-6"	31
A114	2	#4	STR	13'-5"	18
A115	6	#4	STR	8'-4"	33
A116	4	#4	STR	11'-6"	31
A117	1	#4	STR	13'-5"	9
A200	249	#4	STR	10'-1"	1677
A201	1	#4	STR	8'-3"	6
A202	1	#4	STR	6'-6"	4
A203	1	#4	STR	4'-9"	3
A204	1	#4	STR	3'-0"	2
A205	2	#4	STR	8'-7"	11
A206	2	#4	STR	7'-1"	9
A207	2	#4	STR	5'-7"	7
A208	2	#4	STR	4'-1"	5
A209	6	#4	STR	7'-0"	28
A210	2	#4	STR	8'-11"	12
A211	1	#4	STR	10'-4"	7
A212	4	#4	STR	6'-0"	16
A213	2	#4	STR	8'-0"	11
A214	1	#4	STR	10'-1"	7

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A250	276	#4	STR	5'-4"	983
A251	1	#4	STR	3'-5"	2
A252	2	#4	STR	3'-10"	5
A253	2	#4	STR	2'-4"	3
A254	3	#4	STR	3'-6"	7
A255	2	#4	STR	5'-0"	7
A256	4	#4	STR	3'-7"	10
A300	186	#5	STR	13'-8"	2651
A301	1	#5	STR	11'-3"	12
A302	1	#5	STR	8'-11"	9
A303	1	#5	STR	6'-7"	7
A304	1	#5	STR	4'-2"	4
A305	2	#5	STR	11'-8"	24
A306	2	#5	STR	9'-8"	20
A307	2	#5	STR	7'-8"	16
A308	2	#5	STR	5'-8"	12
A309	2	#5	STR	3'-8"	8
A310	6	#5	STR	8'-4"	52
A311	4	#5	STR	11'-6"	48
A312	1	#5	STR	13'-5"	14
A313	5	#5	STR	11'-6"	60
A314	4	#5	STR	13'-0"	54
A400	371	#5	STR	10'-6"	4063
A401	1	#5	STR	9'-3"	10
A402	1	#5	STR	8'-1"	8
A403	1	#5	STR	6'-11"	7
A404	1	#5	STR	5'-10"	6
A405	1	#5	STR	4'-7"	5
A406	1	#5	STR	3'-9"	4
A407	2	#5	STR	9'-6"	20
A408	2	#5	STR	8'-6"	18
A409	2	#5	STR	7'-6"	16
A410	2	#5	STR	6'-6"	14
A411	2	#5	STR	5'-6"	11
A412	2	#5	STR	4'-6"	9
A413	2	#5	STR	3'-6"	7
A414	6	#5	STR	7'-3"	45
A415	4	#5	STR	9'-9"	41
A416	5	#5	STR	6'-9"	35
A417	4	#5	STR	9'-8"	40

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A450	414	#5	STR	5'-4"	2303
A451	1	#5	STR	4'-2"	4
A452	1	#5	STR	3'-1"	3
A453	2	#5	STR	4'-4"	9
A454	2	#5	STR	3'-4"	7
A455	2	#5	STR	2'-4"	5
A456	3	#5	STR	3'-6"	11
A457	2	#5	STR	5'-0"	10
A458	4	#5	STR	3'-7"	15
B1	405	#4	STR	7'-4"	1984
B2	405	#4	STR	5'-4"	1443
B3	405	#4	STR	7'-4"	1984
C1	544	#4	STR	29'-2"	10599
D1	28	#6	STR	2'-6"	105
E1	16	#5	STR	6'-10"	114
E2	16	#5	STR	5'-2"	86
G1	4	#5	STR	14'-10"	62
S1	3	#8	STR	13'-11"	111
S2	6	#6	STR	14'-6"	131
S3	3	#8	STR	5'-9"	46
S4	6	#6	STR	7'-6"	68
S5	3	#8	STR	14'-10"	119
S6	6	#6	STR	19'-2"	173
					35,916 LBS.



CONSTRUCTION PHASING

(LOOKING DOWNSTREAM)

PHASE I CONSTRUCTION

PHASE II CONSTRUCTION

TOTAL INLET EXTENSION QUANTITIES

CLASS A CONCRETE

BARREL @ 1.382 CY/FT 279.7 C.Y.

WINGS, ETC. 10.3 C.Y.

TOTAL 290.0 C.Y.

REINFORCING STEEL

BARREL 35,916 LBS.

WINGS, ETC. 465 LBS.

TOTAL 36,381 LBS.

FOUNDATION CONDITIONING MATERIAL 200 TONS

CULVERT EXCAVATION LUMP SUM

PROJECT NO. R-2519B

YANCEY COUNTY

STATION: 134+80.45 -L-

SHEET 5 OF 12

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 6 FT. X 6 FT. CONCRETE BOX CULVERT
INLET EXTENSION

NORTH CAROLINA PROFESSIONAL SEAL 20125 ENGINEER MARSHALL G. CHECK, JR.

8/27/2014 Marshall G. Check, Jr.

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-22
1			3			TOTAL SHEETS
2			4			87

DRAWN BY : A. SORSENGINH/MEP DATE : 9/2013

CHECKED BY : D. HODGE DATE : 10/13

DESIGN ENGINEER OF RECORD: M.A. LEBLANC DATE : 10/13

$$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

STR #8