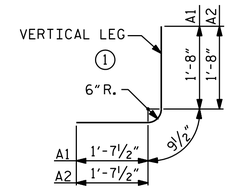
BAR TYPE



BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTH CHART

BAR	SIZE	LENGTH
A200	#4	1'-9"
A400	#5	1'-9"
B1	#4	1'-9"
B3	#4	1'-9"
"C"	#4	1'-11"
S2, S4, S6	#6	2'-9"

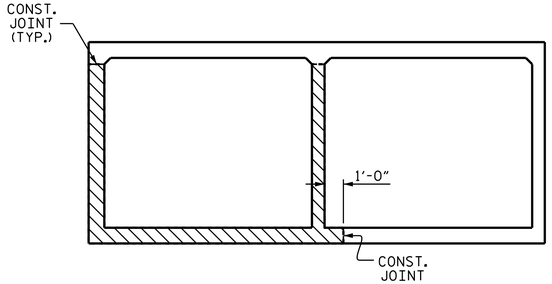
BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	292	#4	1	4'-1"	796
A2	566	#4	1	4'-1"	1544
A100	167	#4	STR	13'-8"	1525
A101	4	#4	STR	12'-2"	33
A102	4	#4	STR	10'-8"	29
A103	4	#4	STR	9'-2"	24
A104	4	#4	STR	7'-8"	20
A105	4	#4	STR	6'-2"	16
A106	4	#4	STR	4'-8"	12
A107	4	#4	STR	3'-2"	8
A108	8	#4	STR	8'-4"	45
A109	4	#4	STR	11'-6"	31
A110	3	#4	STR	13'-5"	27
A200	171	#4	STR	10'-1"	1152
A201	4	#4	STR	8'-6"	23
A202	4	#4	STR	6'-11"	18
A203	4	#4	STR	5'-4"	14
A204	4	#4	STR	3'-9"	10
A205	4	#4	STR	2'-2"	6
A206	6	#4	STR	5'-6"	22
A207	4	#4	STR	8'-10"	24
A208	1	#4	STR	10'-6"	7
A250	158	#4	STR	5'-4"	563
A251	4	#4	STR	3'-9"	10
A252	4	#4	STR	2'-2"	6
A253	4	#4	STR	4'-0"	11
A254	2	#4	STR	5'-2"	7

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A300	125	#5	STR	13'-8"	1782
A301	4	#5	STR	11'-8"	49
A302	4	#5	STR	9'-8"	40
A303	4	#5	STR	7'-8"	32
A304	4	#5	STR	5'-8"	24
A305	4	#5	STR	3'-8"	15
A306	7	#5	STR	8'-1"	59
A307	4	#5	STR	11'-7"	48
A308	2	#5	STR	13'-6"	28
A400	269	#5	STR	10'-1"	2829
A401	4	#5	STR	9'-1"	38
A402	4	#5	STR	8'-1"	34
A403	4	#5	STR	7'-1"	30
A404	4	#5	STR	6'-1"	25
A405	4	#5	STR	5'-1"	21
A406	4	#5	STR	4'-1"	17
A407	4	#5	STR	3'-1"	13
A408	6	#5	STR	8'-2"	51
A409	6	#5	STR	7'-5"	46
A450	249	#5	STR	5'-4"	1385
A451	4	#5	STR	4'-4"	18
A452	4	#5	STR	3'-4"	14
A453	4	#5	STR	2'-4"	10
A454	4	#5	STR	4'-3"	18
A455	2	#5	STR	5'-1"	11

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	292	#4	STR	6'-10"	1333
B2	292	#4	STR	5'-4"	1040
B3	292	#4	STR	6'-10"	1333
C1	252	#4	STR	28'-8"	4826
C2	130	#4	STR	29'-4"	2547
D1	56	#4	STR	2'-6"	94
E1	16	#5	STR	5'-2"	86
S2	12	#6	STR	14'-6"	261
S4	12	#6	STR	7'-6"	135
S6	12	#6	STR	19'-2"	345

24,620 LBS.



CONSTRUCTION PHASING

(LOOKING DOWNSTREAM)

PHASE I CONSTRUCTION

PHASE II CONSTRUCTION

TOTAL MIDDLE EXTENSION QUANTITIES

CLASS A CONCRETE

BARREL @ 1.166 CY/FT 167.4 C.Y.

EDGE BEAMS 2.9 C.Y.

TOTAL 170.3 C.Y.

REINFORCING STEEL

BARREL 24,620 LBS.

TOTAL 24,620 LBS.

FOUNDATION CONDITIONING MATERIAL 142 TONS

CULVERT EXCAVATION LUMP SUM

PROJECT NO. R-2519B

YANCEY COUNTY

STATION: 134+80.45 -L-

SHEET 11 OF 12

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

DOUBLE 6 FT. X 6 FT. CONCRETE BOX CULVERT

MIDDLE EXTENSION

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

DocuSigned by: Marshall G. Cheek, Jr.
6549D6EBAA3B405...
8/27/2014

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-28
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