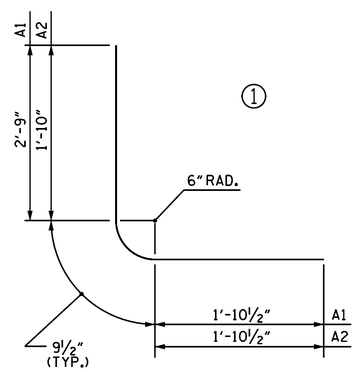
BAR TYPE



ALL BAR DIMENSIONS ARE OUT TO OUT

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A100, A150	#4	1'-9"
A200, A250	#4	1'-9"
A300, A350	#4	1'-9"
A400, A450	#4	1'-9"
B1	#4	1'-5"
B2	#4	1'-5"
B3	#4	1'-5"
C1	#4	1'-11"
G1	#5	3'-0"

BILL OF MATERIAL STAGE I

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	42	#4	1	5'-5"	152
A2	42	#4	1	4'-6"	126
A100	47	#4	STR.	24'-9"	777
A200	39	#4	STR.	24'-9"	645
A300	42	#4	STR.	24'-9"	694
A400	42	#4	STR.	24'-9"	694
B1	18	#4	STR.	8'-4"	100
B2	42	#4	STR.	6'-4"	178
B3	70	#4	STR.	8'-4"	390
C1	78	#4	STR.	17'-8"	921
D1	35	#6	STR.	2'-6"	131
G1	4	#5	STR.	26'-0"	108

TOTAL REINFORCING STEEL 4,916 LBS.

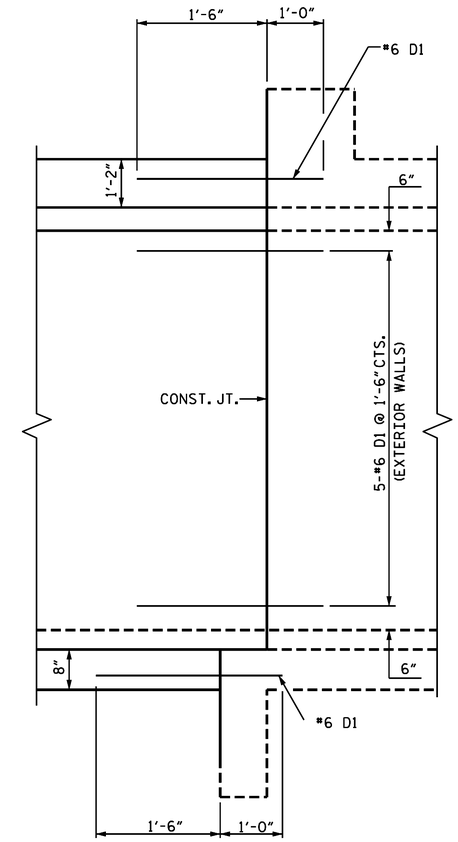
CLASS A CONCRETE
2 BARRELS & ROOF 37.6 CU.YDS.

BILL OF MATERIAL STAGE II

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	42	#4	1	5'-5"	152
A2	42	#4	1	4'-6"	126
A150	47	#4	STR.	20'-0"	628
A250	39	#4	STR.	20'-0"	521
A350	42	#4	STR.	20'-0"	561
A450	42	#4	STR.	20'-0"	561
B1	18	#4	STR.	8'-4"	100
B2	42	#4	STR.	6'-4"	178
B3	35	#4	STR.	8'-4"	195
C1	65	#4	STR.	17'-8"	767
D1	33	#6	STR.	2'-6"	124
G2	4	#5	STR.	20'-0"	83

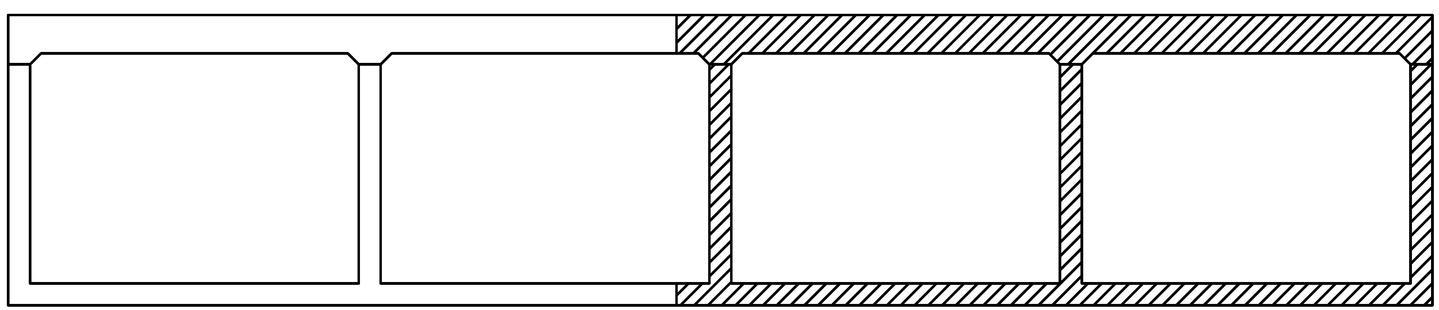
TOTAL REINFORCING STEEL 3,996 LBS.

CLASS A CONCRETE
2 BARRELS & ROOF 31.1 CU.YDS.



PROP. EXTENSION EXIST. BARREL

CONNECTION DETAIL



CONSTRUCTION SEQUENCE

STAGE I

STAGE II

PROJECT NO. B-5124
NASH COUNTY
STATION: 17+17.80 -L-

SHEET 7 OF 10

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BILL OF MATERIAL

CULVERT EXTENSION
QUADRUPLE
10'-0" X 7'-0"
CONCRETE BOX CULVERT
90° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 14045 ENGINEER TIMOTHY L. COGGINS
3/9/2015
DocuSigned by: Tim Coggins
DEFD4A8D48FA47B...

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		C-7
1			3				TOTAL SHEETS
2			4				20

DRAWN BY : M. D. PISO DATE : 11-24-14
CHECKED BY : A. K. PASCHAL DATE : 01-09-15
DESIGN ENGINEER OF RECORD: G. KOUCHEKI DATE : 01-12-15

09-MAR-2015 09:29
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pruffin

STR. #4