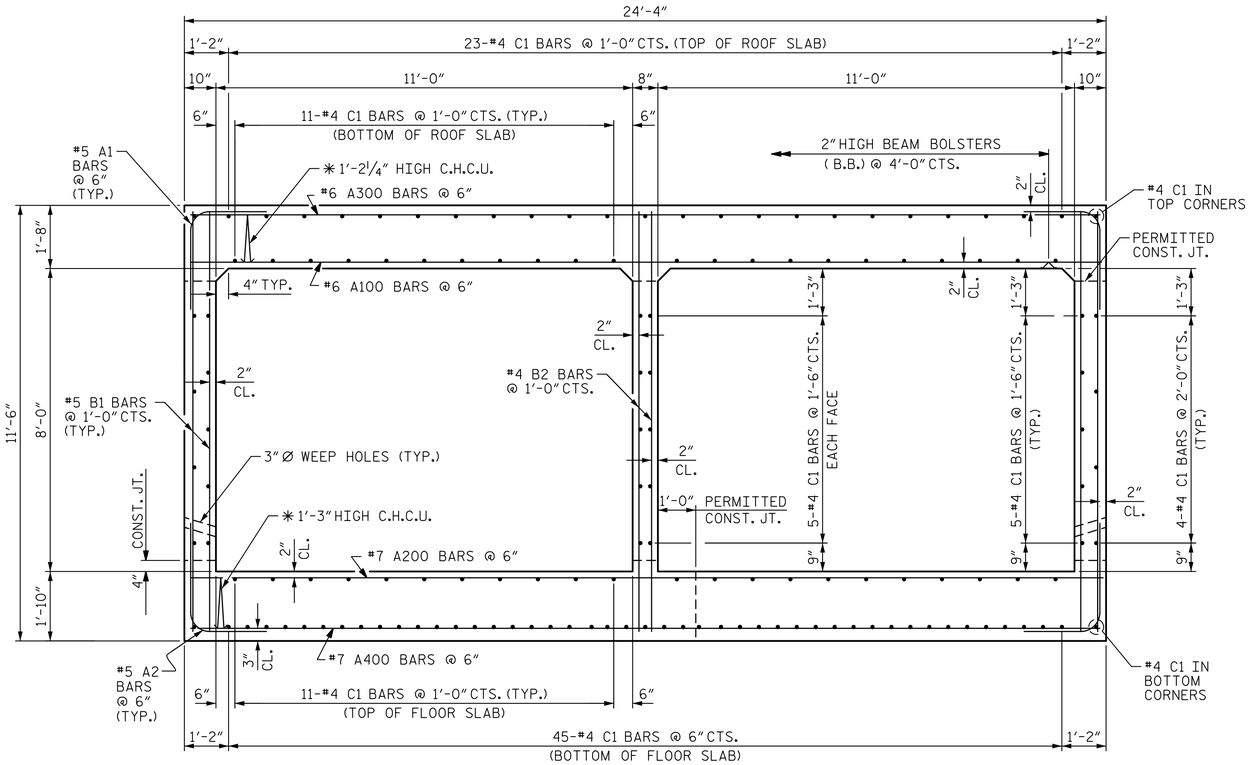
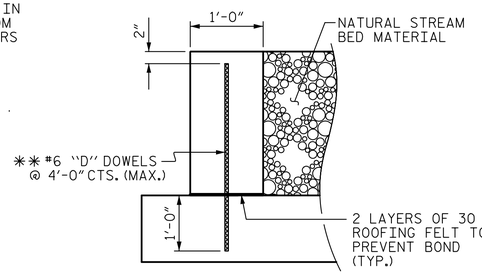


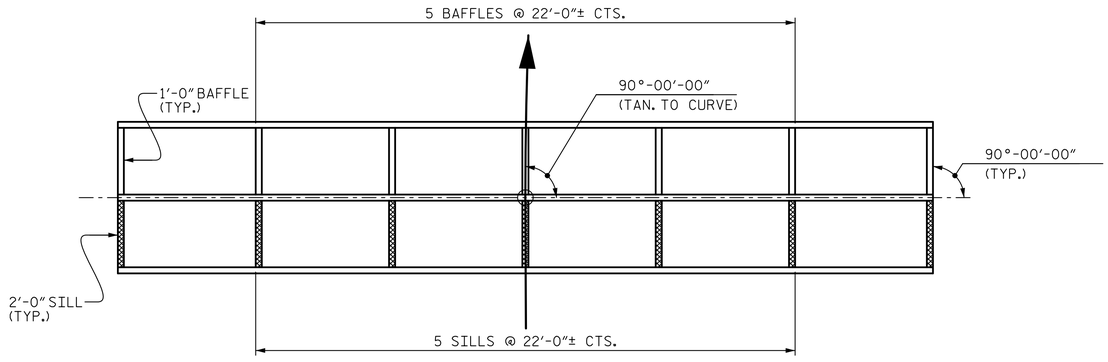
RIGHT ANGLE SECTION OF BARREL

THERE ARE 144 "C" BARS IN SECTION OF BARREL.
* ALL CONTINUOUS HIGH CHAIR UPPER (C.H.C.U.) @ 3'-0" CTS.

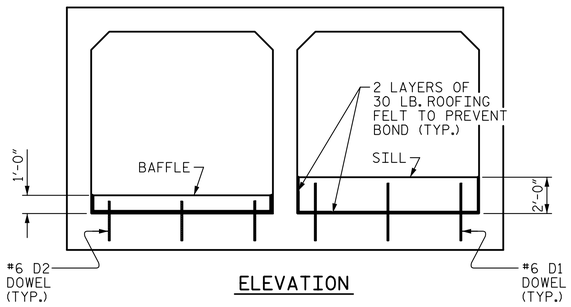


SECTION

** DOWELS MAY BE PUSHED INTO GREEN CONCRETE AFTER SLAB HAS BEEN FLOAT FINISHED.



PLAN VIEW SHOWING SILL/BAFFLE LOCATIONS

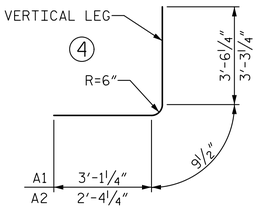


ELEVATION

SILL/BAFFLE DETAILS

(LOOKING DOWN STREAM)

BAR TYPES



F.A. PROJECT NO. MASTER 2018)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1	538	#5	4	7'-5"	4,162
A2	538	#5	4	6'-5"	3,601
A100	269	#6	STR	24'-0"	9,697
A200	269	#7	STR	24'-0"	13,196
A300	269	#6	STR	24'-0"	9,697
A400	269	#7	STR	24'-0"	13,196
B1	540	#5	STR	11'-1"	6,242
B2	270	#4	STR	11'-1"	1,999
C1	720	#4	STR	28'-6"	13,707
D1	21	#6	STR	2'-10"	89
D2	21	#6	STR	1'-10"	58
G1	8	#5	STR	24'-0"	200

SPLICE LENGTH CHART

BAR	SIZE	SPLICE LENGTH
A200	#7	4'-3"
A400	#7	3'-0"
B1	#5	1'-9"
B2	#4	1'-5"
C1	#4	1'-11"

REINFORCING STEEL 75,844 LBS

CLASS A CONCRETE
CULVERT 518.4 CY
BAFFLES, SILLS 8.6 CY
TOTAL 527.0 CY

PROJECT NO. W-5516

ROWAN COUNTY

STATION: 31+84.50 -L-

SHEET 3 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

CULVERT DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C-3
1			3			TOTAL SHEETS
2			4			13

DRAWN BY : D. H. CARTER DATE : MAY 2015
CHECKED BY : T. E. TALLMAN DATE : MAY 2015
DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE : MAY 2015

ICA Engineering
5121 Kingdom Way, Suite 100 Raleigh, NC 27607
NC License No: F-0258

NORTH CAROLINA PROFESSIONAL SEAL 14408 ENGINEER THOMAS E. TALLMAN

DocuSigned by: Thomas E. Tallman 7/7/2015
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5/28/2015
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ICA Engineering