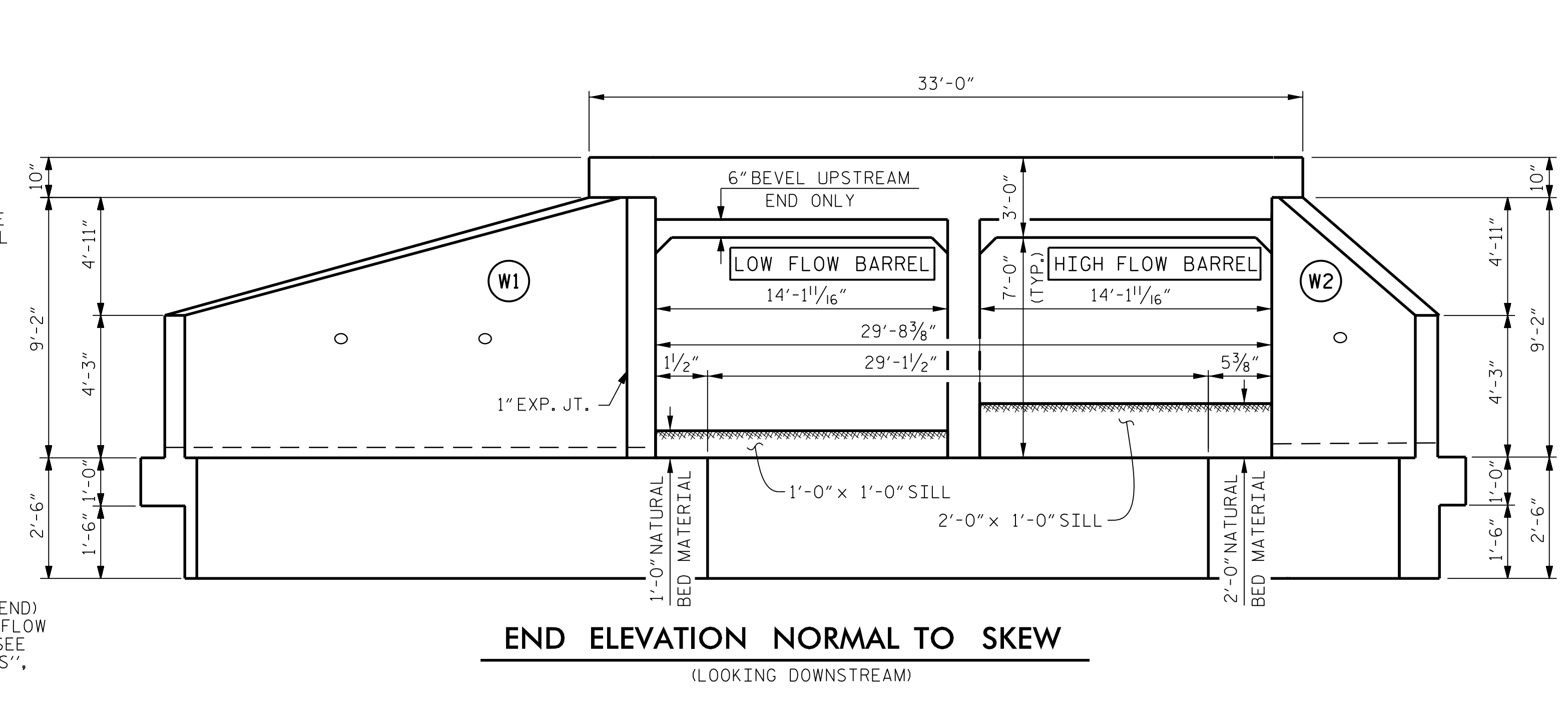
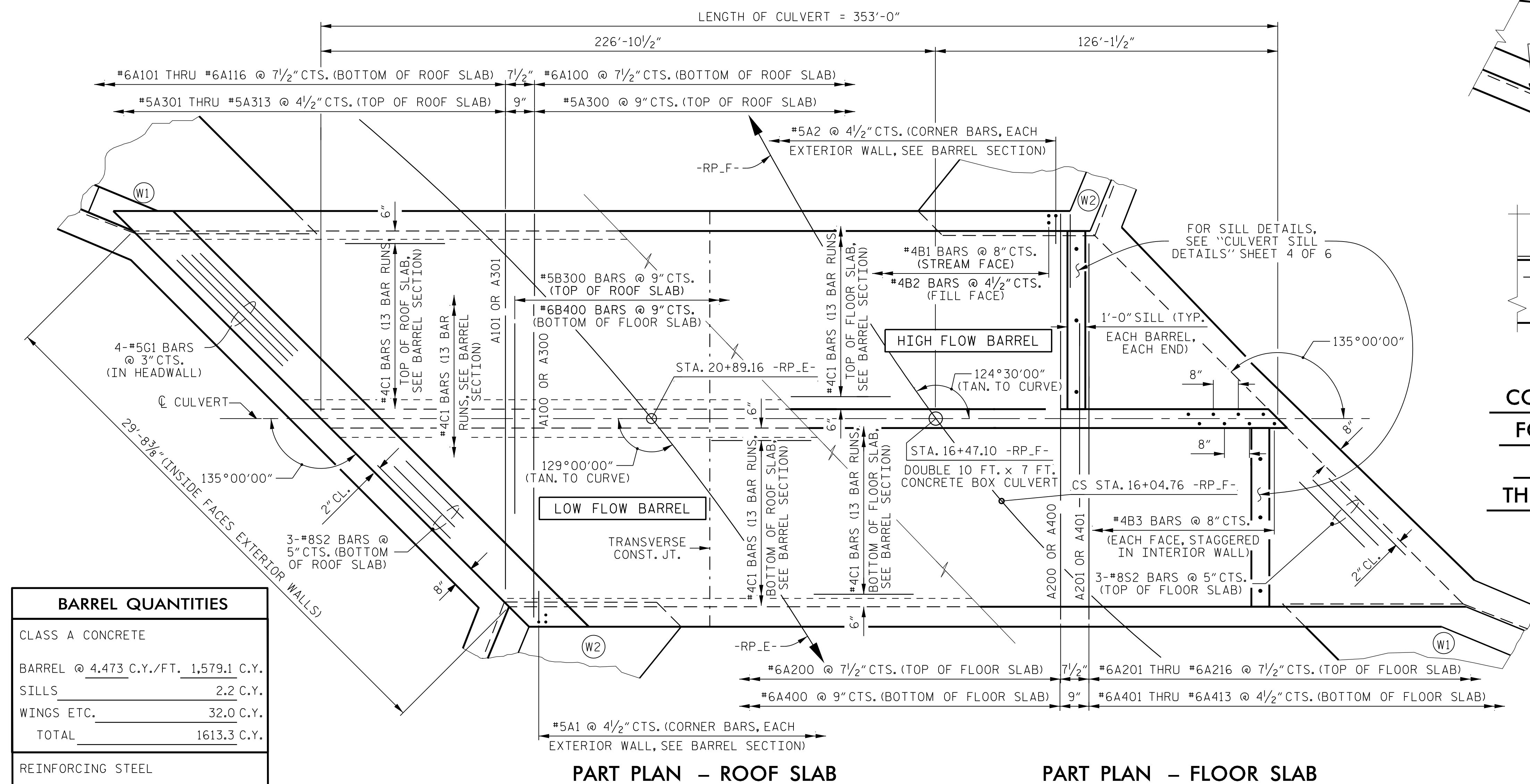


**CULVERT SECTION NORMAL TO ROADWAY**

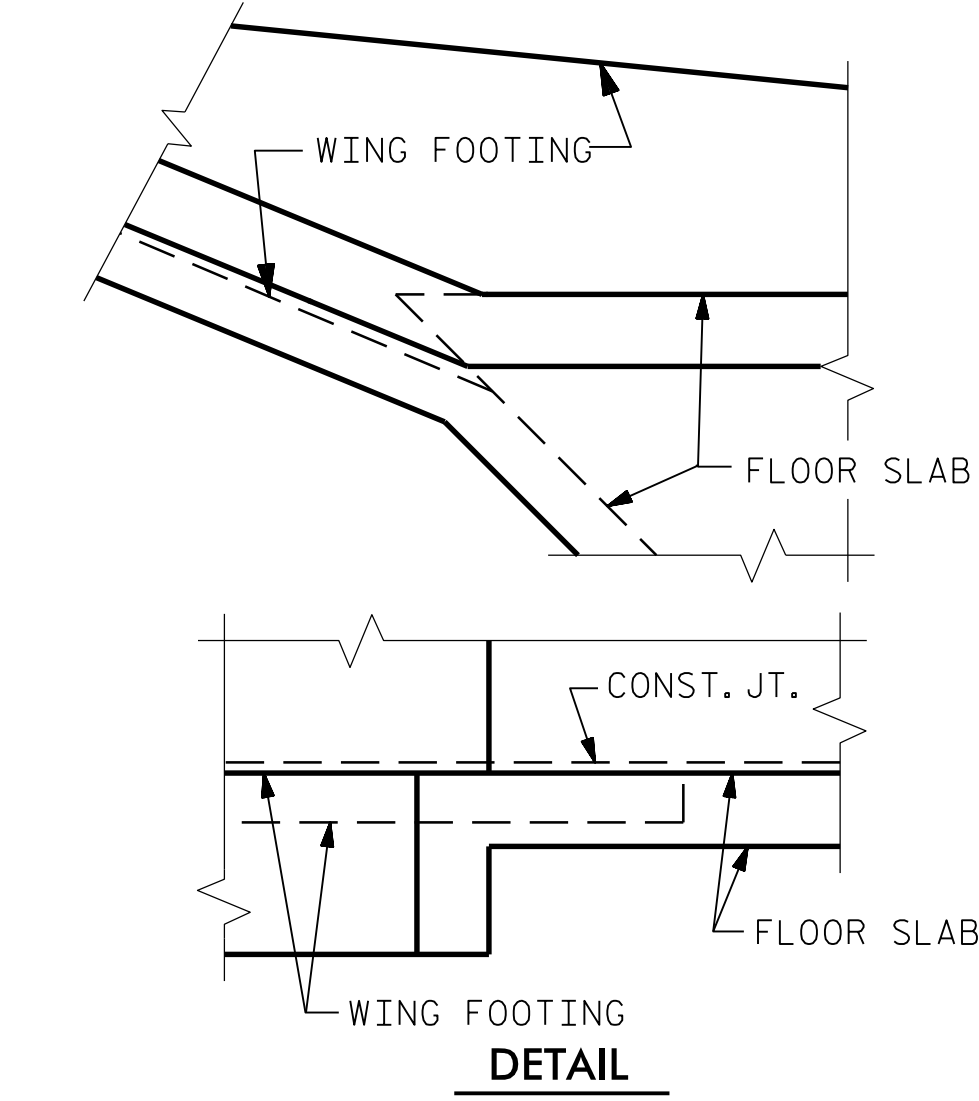


**END ELEVATION NORMAL TO SKEW  
(LOOKING DOWNSTREAM)**

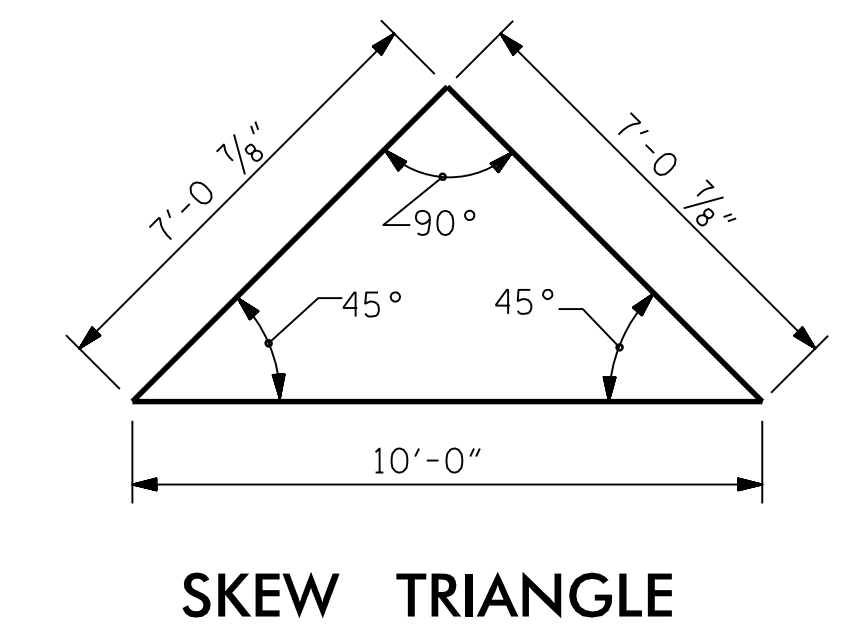


**PART PLAN - ROOF SLAB**

**PART PLAN - FLOOR SLAB**

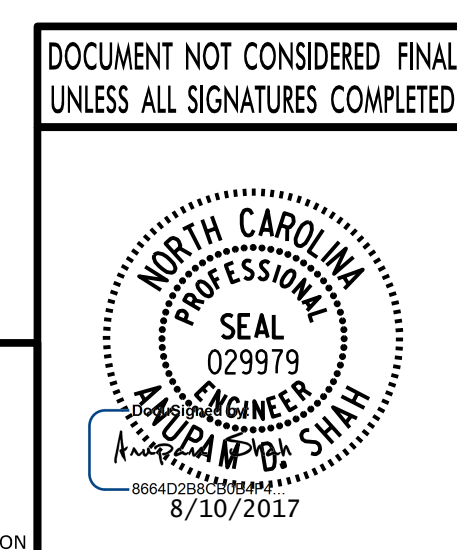


**CONNECTION OF WING FOOTING AND FLOOR SLAB WHEN SLAB IS THICKER THAN FOOTING**



**SKEW TRIANGLE**

BARREL QUANTITIES	
CLASS A CONCRETE	
BARREL @ 4.473 C.Y./FT.	1,579.1 C.Y.
SILLS	2.2 C.Y.
WINGS ETC.	32.0 C.Y.
TOTAL	1613.3 C.Y.
REINFORCING STEEL	
BARREL AND SILLS	152,313 LBS.
WINGS ETC.	1,601 LBS.
TOTAL	153,914 LBS.



PLANS PREPARED BY:  
**PARSONS**  
5540 CenterView Drive, Suite 217  
Raleigh, NC 27606-3386  
NC LICENSE No. F-0246

DRAWN BY: T. DETMERS DATE: 7-17  
CHECKED BY: D. WHONG DATE: 7-17  
DESIGN ENGINEER: S. T. PHAN DATE: 7-17

PROJECT NO. **I-4729A**  
**POLK** COUNTY  
STATION: **16+47.10 -RP\_F-**

SHEET 3 OF 6

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
DOUBLE 10 FT. X 7 FT. CONCRETE BOX CULVERT 124° 30' 00" SKEW					
REVISIONS					
No.	BY:	DATE:	No.	BY:	DATE:
1			3		
2			4		

SHEET No. **C-3**  
TOTAL SHEETS **6**  
STR. #3

CHECK PRINT  
DRAWING CHECKED AGAINST CALCULATIONS AND CALCULATION CHECK CONFIRMED.  
NO. DATE CHECKED BACK CHECKED DATE DATE DATE DATE  
BY: P0058746 DATE: 8/10/2017

FILE: I:\Projects\shenandoah\shen\final\14-429A\_smu\_and\_cul.dgn  
DATE: 8/10/2017 12:29:43 PM