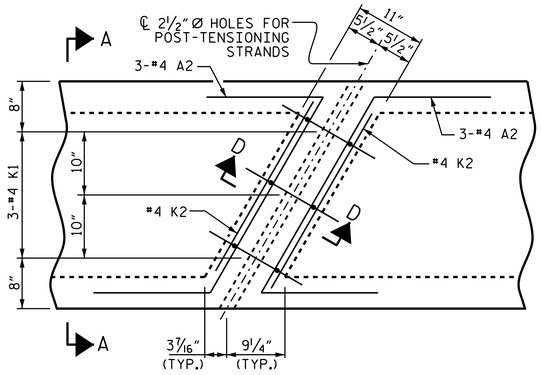
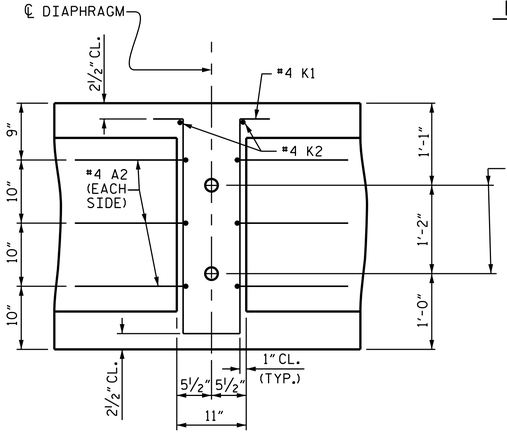
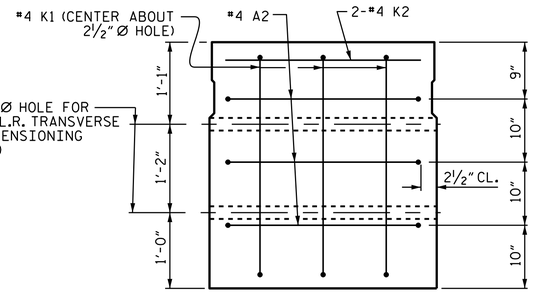


PLAN



SECTION D-D

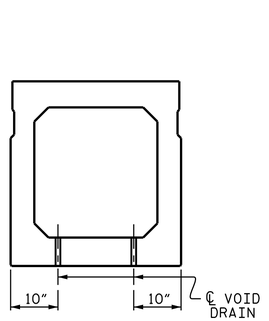


SECTION A-A

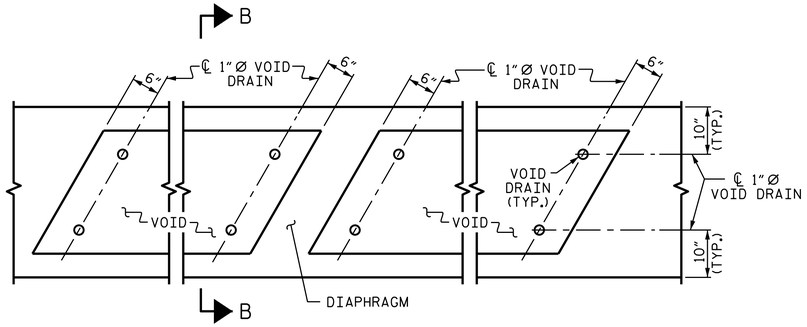
VOIDS NOT SHOWN

DOUBLE DIAPHRAGM DETAILS

#4 "S" BARS NOT SHOWN. #4 "S" BARS MAY BE SHIFTED SLIGHTLY TO CLEAR 2½" Ø HOLE.



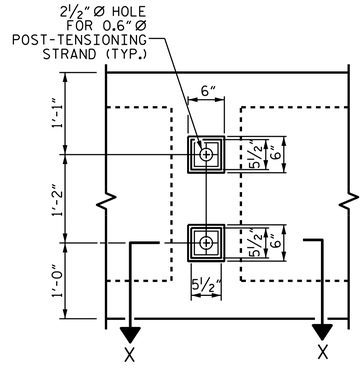
SECTION B-B



PART PLAN

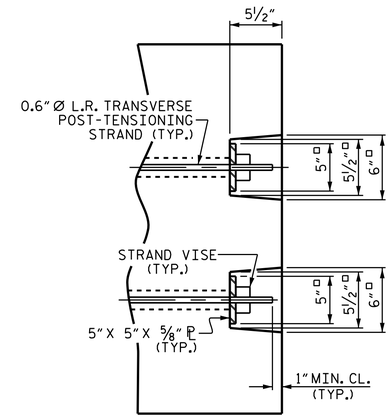
VOID DRAIN DETAILS

(DIMENSIONS SHOWN ARE TYPICAL FOR EACH VOID)

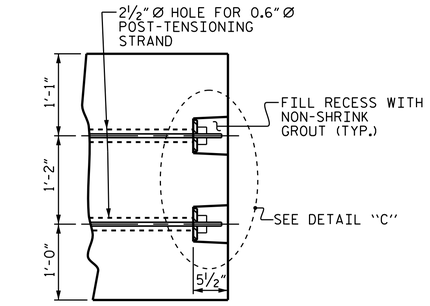


VIEW Y-Y

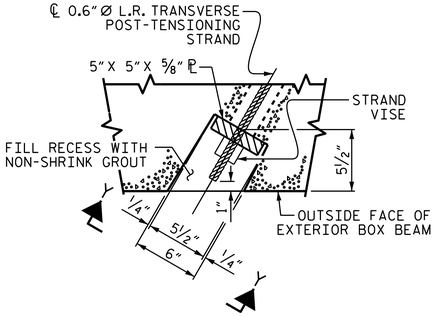
SHOWING ELEVATION VIEW OF GROUTED RECESS



DETAIL "C"



PART SECTION AT RECESS



SECTION X-X

SHOWING PLAN VIEW OF GROUTED RECESS

GROUTED RECESS DETAIL AT END OF POST-TENSIONED STRANDS OF EXTERIOR BOX BEAM

DEAD LOAD DEFLECTION AND CAMBER			
	3'-0" x 3'-3"		
	0.6" Ø L.R. STRAND		
	SPAN "A"	SPAN "B"	SPAN "C"
CAMBER (BEAM ALONE IN PLACE)	2 1/16" ↑	2 1/16" ↑	1 11/16" ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD**	1 1/16" ↓	1 1/16" ↓	3/8" ↓
FINAL CAMBER	1" ↑	1" ↑	1 5/16" ↑

** INCLUDES FUTURE WEARING SURFACE

PROJECT NO. B-5360

RANDOLPH COUNTY

STATION: 23+68.00 -L-

SHEET 6 OF 7

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

3'-0" X 3'-3" PRESTRESSED CONCRETE BOX BEAM UNIT

NORTH CAROLINA PROFESSIONAL SEAL 21271 ENGINEER GREGORY W. DICKEY

DocuSigned by: Greg Dickey
8/22/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-10
1			3			TOTAL SHEETS
2			4			38

ASSEMBLED BY : A. K. PATEL DATE : 1/14/16
CHECKED BY : W. F. PARKER DATE : 3/16

DRAWN BY : DGE II/II
CHECKED BY : TMG II/II

REV. 8/14 MAA/TMG

22-AUG-2016 08:08
X:\Structures\Plans\FINAL_PLANS\B-5360_SD.dgn
gdickey

STD.NO.39PCBB7_120S