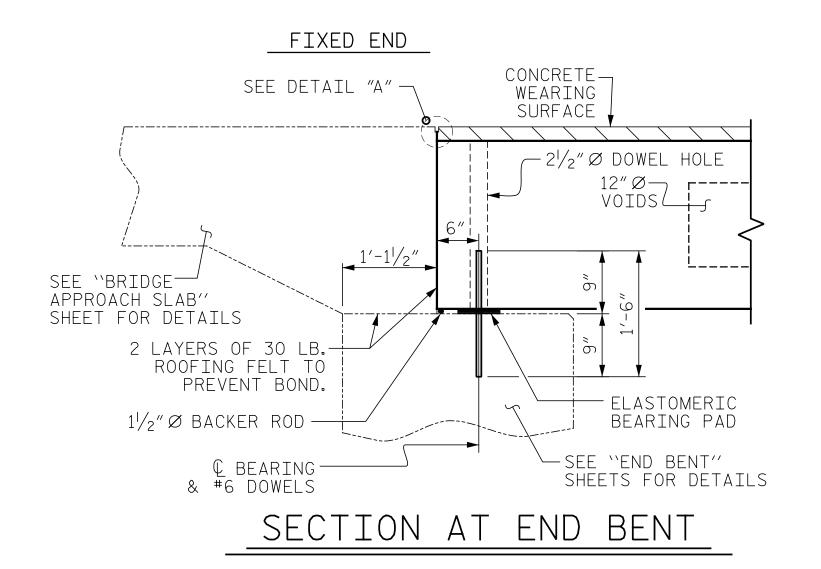
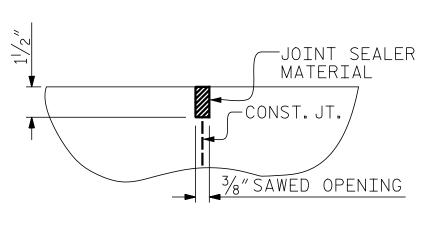
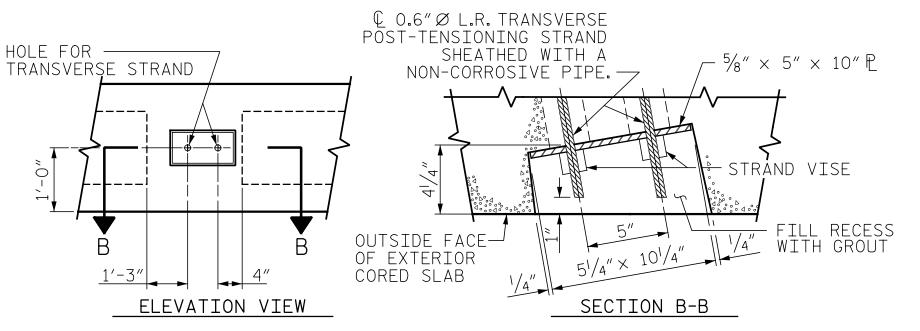


** BASED ON PREDICTED FINAL CAMBER AND THEORETICAL GRADE LINE ELEVATIONS. THE CONCRETE WEARING SURFACE THICKNESS AND HEIGHT OF THE BARRIER RAIL VARIES WHILE THE TOP OF THE BARRIER RAIL FOLLOWS THE PROFILE OF THE GUTTERLINE.

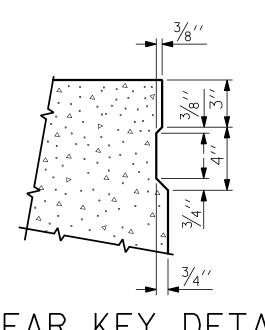




DETAIL "A" A 11/2" DEEP CONTRACTION JOINT AT EACH END BENT SHALL BE SAWED NO MORE THAN 12 HOURS AFTER THE APPROACH SLAB IS CAST. THE JOINT SHALL BE CLEANED OF ALL DEBRIS BEFORE THE SEALANT IS APPLIED. THE JOINT SEALER MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1028-3 OF THE STANDARD SPECIFICATIONS.

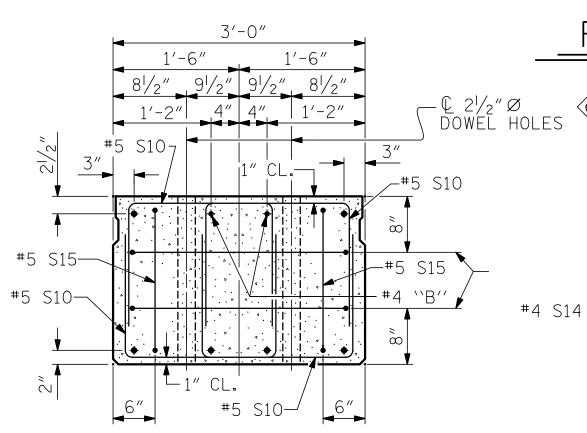


GROUTED RECESS AT END OF POST-TENSIONED STRAND CORED SLABS



DETAIL SHEAR KEY

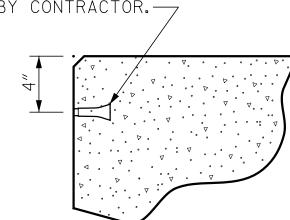
NOTE: OMIT SHEAR KEY ON OUTSIDE FACE OF EXTERIOR CORED SLABS.



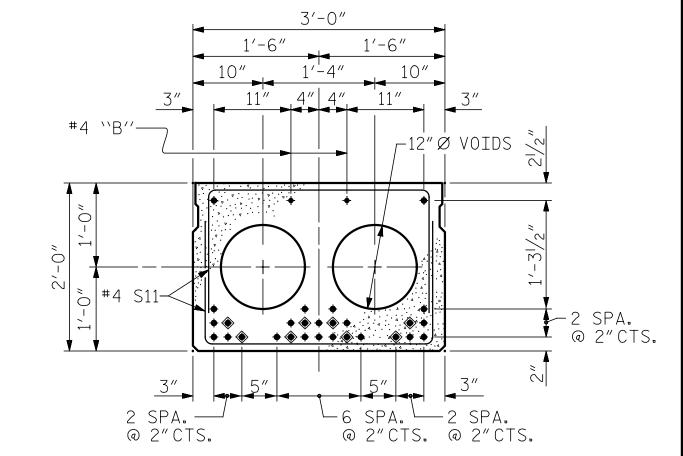
ELEVATION

SHOWING PLACEMENT OF DOUBLE STIRRUPS AND LOCATION OF DOWEL HOLES. (STRAND LAYOUT NOT SHOWN.) INTERIOR SLAB UNIT SHOWN-EXTERIOR SLAB UNIT SIMILAR EXCEPT SHEAR KEY LOCATION,

PERMITTED THREADED INSERT CAST IN OUTSIDE FACE OF EXTERIOR UNIT AND RECESSED 3/8". SIZE TO BE DETERMINED BY CONTRACTOR. —



THREADED INSERT DETAIL

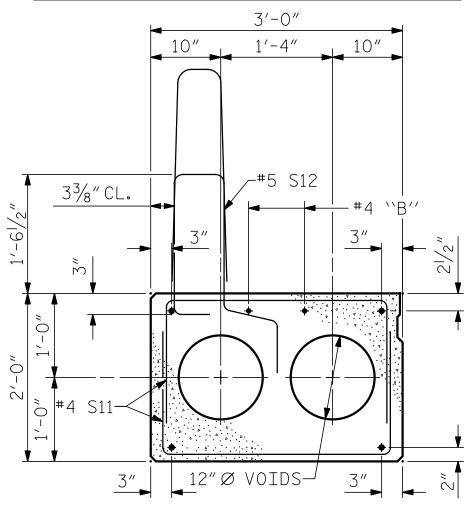


INTERIOR SLAB SECTION (70'UNIT) (28 STRANDS REQUIRED)

RELAXATION STRAND LAYOUT

- C 21/2" Ø BOND SHALL BE BROKEN ON THESE STRANDS FOR A DOWEL HOLES DISTANCE OF 12'-0" FROM END OF CORED SLAB UNIT. SEE STANDARD SPECIFICATIONS, ARTICLE 1078-7.

DEBONDING LEGEND



EXTERIOR SLAB SECTION

(FOR PRESTRESSED STRAND LAYOUT, SEE INTERIOR SLAB SECTION.)

BR-0011 PROJECT NO._ COUNTY

CHEROKEE

STATION: 15+45.00 -L-

SHEET 1 OF 3



940 Main Campus Drive, Suite 500 Raleigh, NC 27606

DEPARTMENT OF TRANSPORTATION STANDARD

STATE OF NORTH CAROLINA

3'-0'' X 2'-0'' PRESTRESSÉD CONCRETE CORED SLAB UNIT

SHEET NO REVISIONS S-5 VHB Engineering NC, P.C. (C-3705) NO. DATE: DATE: BY: TOTAL SHEETS

OCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

1/13/2021 BR-0011_SD_CS_S5.dgn ksmiach

DATE: 1/13/2021

DATE: 1/13/2021

MAA/TMG

REV. 8/14

ASSEMBLED BY : EFL CHECKED BY : KFS

DRAWN BY : MAA

CHECKED BY : MKT 7/10

6/10

STD. NO. 24PCS4_39_60S