TYPICAL SECTION

36'-0"
33'-10" (CLEAR ROADWAY)
17'-5"
16'-5"
1" 1'-0"
1'-0" 1"

3/4" OGFC 2 3/4" ASPHALT @ ℄ BRG.

3/4" OGFC 2 3/4" ASPHALT @ ℄ BRG.

CONST. JT. (TYP.)

OPEN GRADED FRICTION COURSE (OGFC) AND ASPHALT WEARING SURFACE (SEE ROADWAY PLANS)

WORKLINE

VERTICAL CONCRETE BARRIER RAIL (TYP.) FOR DETAILS SEE "VERTICAL CONCRETE BARRIER RAIL SECTION"

3/4" OGFC 2 3/4" ASPHALT @ ℄ BRG.

GRADE PT.

DETAIL A

VARIES (SEE TABLE)

VARIES (SEE TABLE)

3'-9 1/2" @ ℄ BRG.

1'-9" (TYP.)

SHEAR KEYS TO BE FILLED WITH GROUT AFTER ALL ERECTION HAS BEEN COMPLETED AND AFTER FINAL TENSIONING OF TRANSVERSE STRANDS

0.6" Ø L.R. TRANSVERSE POST-TENSIONING STRAND IN 2 1/2" Ø HOLE

3'-0"

18'-6"
17'-6"

12 PRESTRESSED CONCRETE CORED SLAB UNITS = 36'-0"
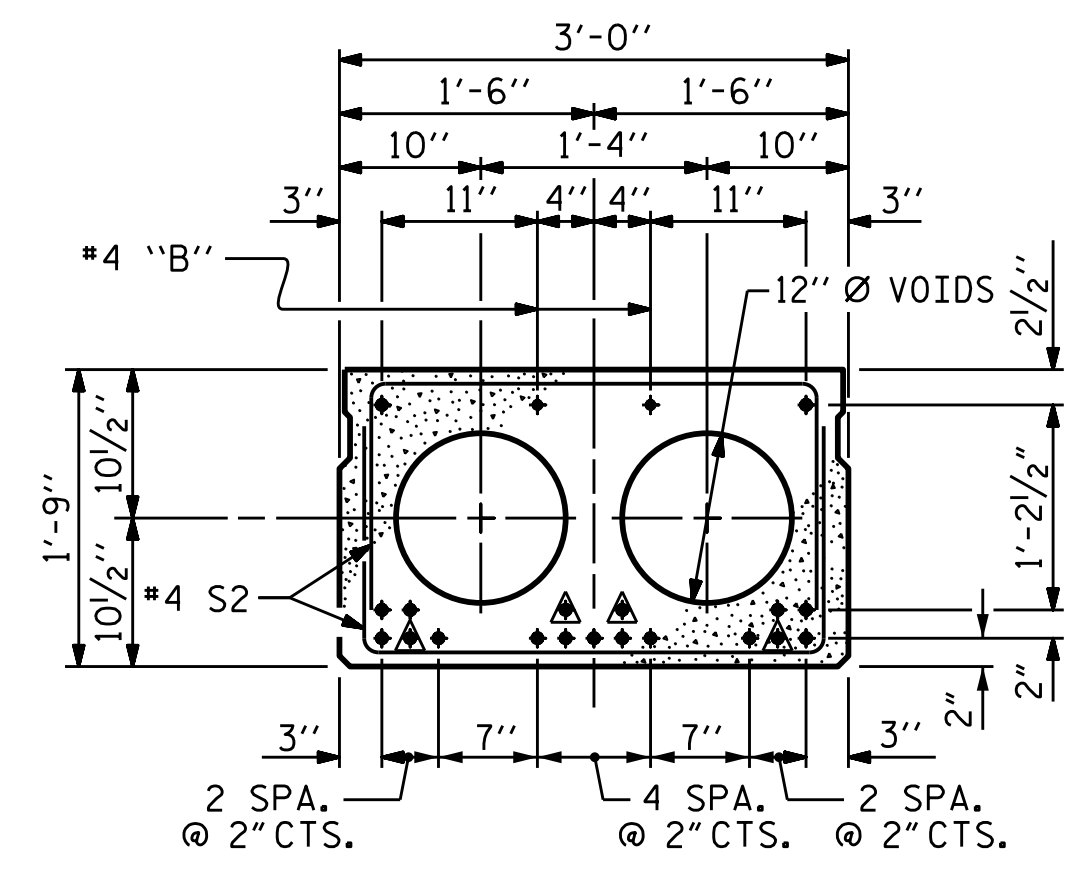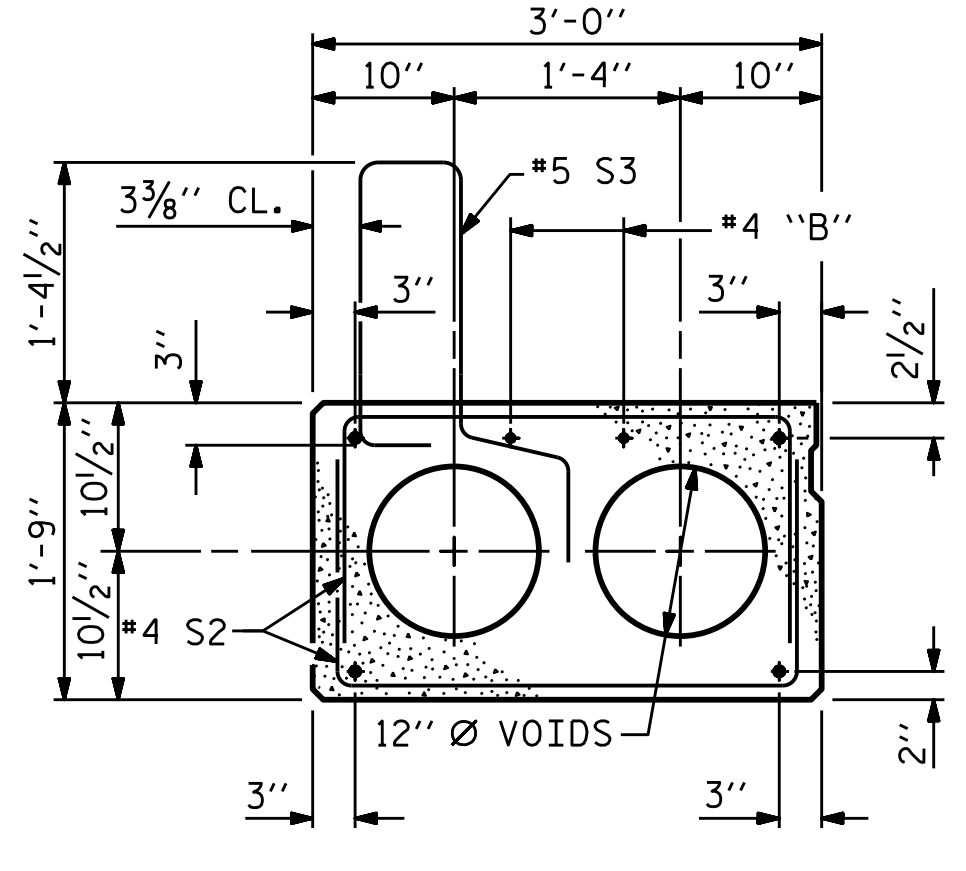
HALF SECTION AT INTERMEDIATE DIAPHRAGMS

HALF SECTION THROUGH VOIDS

✱ - THE MAXIMUM BARRIER RAIL HEIGHT AND ASPHALT THICKNESS IS SHOWN. THE HEIGHT OF THE BARRIER RAIL AND ASPHALT THICKNESS VARIES WHILE THE TOP OF THE BARRIER RAIL FOLLOWS THE PROFILE OF THE GUTTERLINE. FOR RAIL HEIGHT DETAILS AND ASPHALT THICKNESS SEE THE "VERTICAL CONCRETE BARRIER RAIL SECTION" DETAIL.
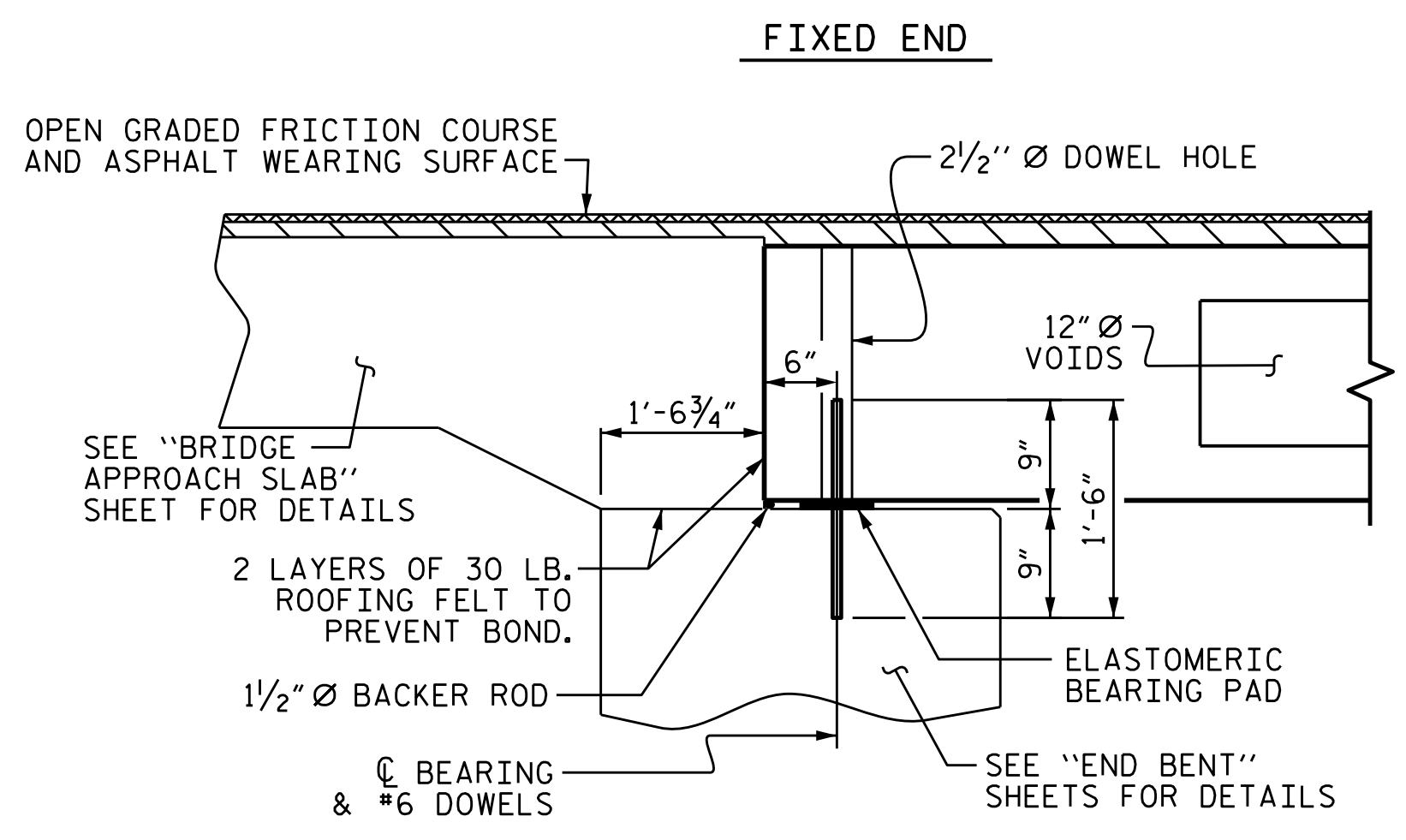
INTERIOR SLAB SECTION
(19 STRANDS REQUIRED)

3'-0"
1'-6" 1'-6"
10" 10"
3" 11" 4" 4" 11" 3"
#4 "B"
12" Ø VOIDS
1'-9" 10 1/2" 10 1/2"
2 1/2"
1 2 1/2"
#4 S2
2 SPA. @ 2" CTS.
4 SPA. @ 2" CTS.
2 SPA. @ 2" CTS.
3" 7" 7" 3"
2" 2"

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

3'-0"
10" 1'-4" 10"
3 3/8" CL.
1'-4 1/2"
#5 S3
#4 "B"
3" 3"
2 1/2"
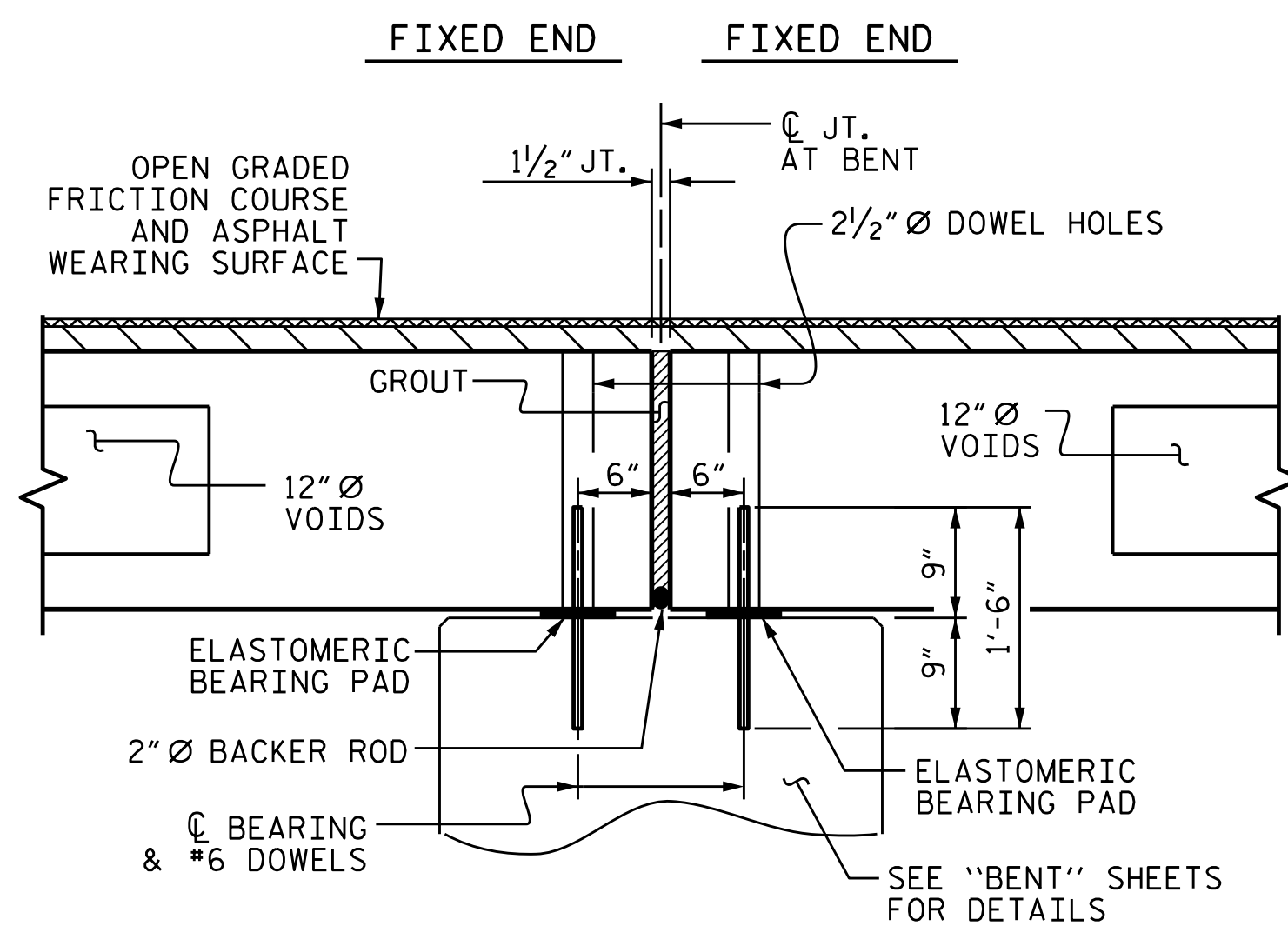1'-9" 10 1/2" 10 1/2"
#4 S2
12" Ø VOIDS
3" 3"
2"

0.6" Ø LOW RELAXATION STRAND LAYOUT

◢ BOND SHALL BE BROKEN ON THESE STRANDS FOR A DISTANCE OF 6'-0" FROM END OF CORED SLAB UNIT. SEE STANDARD SPECIFICATIONS, ARTICLE 1078-7.
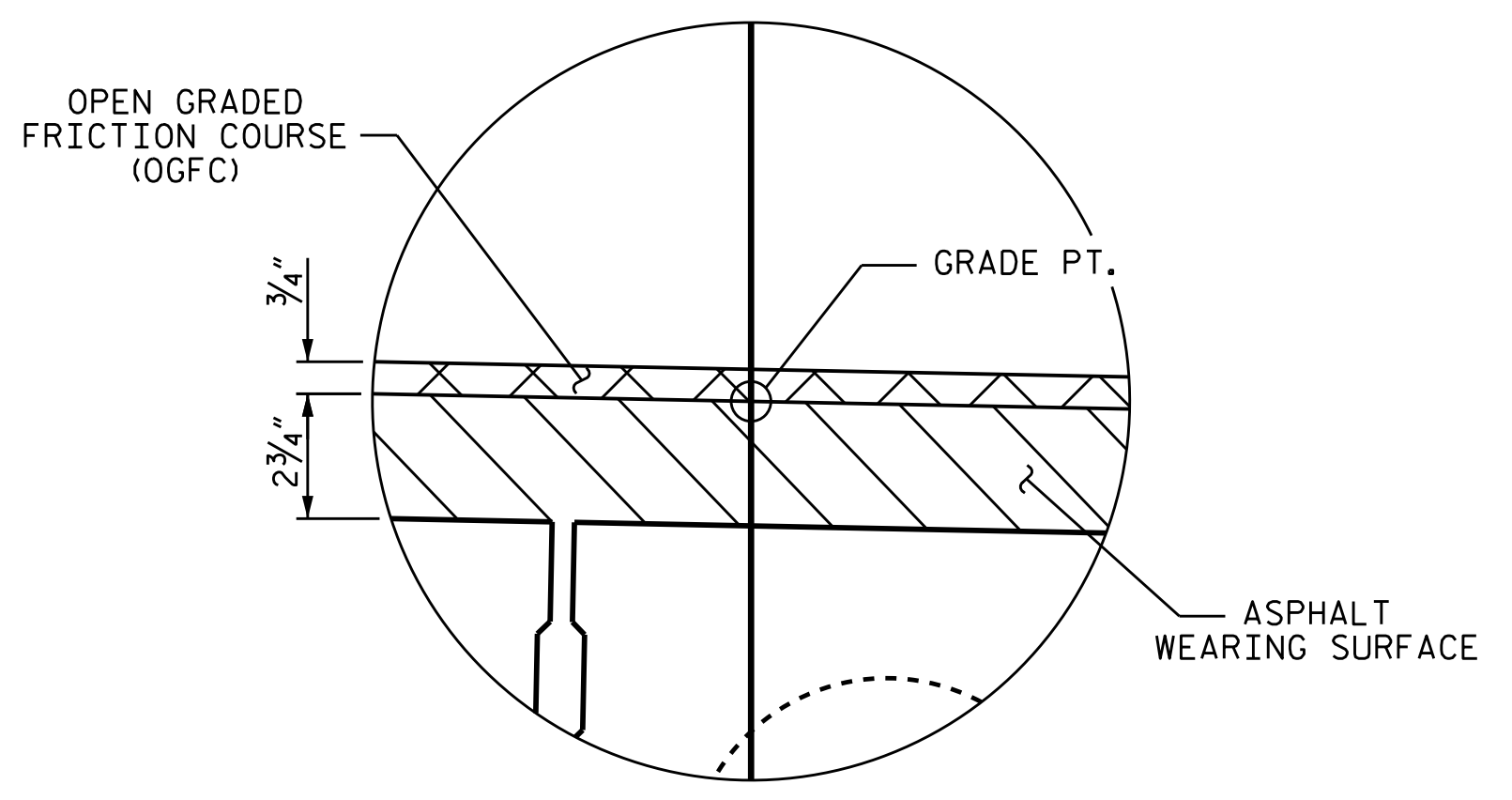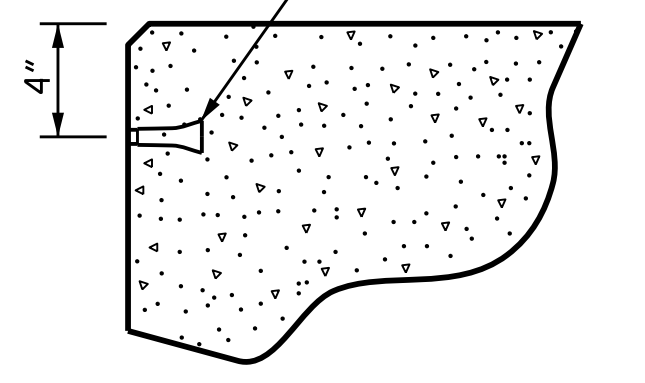
DEBONDING LEGEND

FIXED END

OPEN GRADED FRICTION COURSE AND ASPHALT WEARING SURFACE

2 1/2" Ø DOWEL HOLE

12" Ø VOIDS

SEE "BRIDGE APPROACH SLAB" SHEET FOR DETAILS

1'-6 3/4" 6"

9"
9"
1'-6"

2 LAYERS OF 30 LB. ROOFING FELT TO PREVENT BOND.

1 1/2" Ø BACKER ROD

℄ BEARING & #6 DOWELS

ELASTOMERIC BEARING PAD

SEE "END BENT" SHEETS FOR DETAILS

SECTION AT END BENT

FIXED END   FIXED END

OPEN GRADED FRICTION COURSE AND ASPHALT WEARING SURFACE

1 1/2" JT.

℄ JT. AT BENT

2 1/2" Ø DOWEL HOLES

GROUT

12" Ø VOIDS

6" 6"

9"
9"
1'-6"

ELASTOMERIC BEARING PAD

2" Ø BACKER ROD

℄ BEARING & #6 DOWELS

ELASTOMERIC BEARING PAD

SEE "BENT" SHEETS FOR DETAILS

SECTION AT BENT

DETAIL A

OPEN GRADED FRICTION COURSE (OGFC)
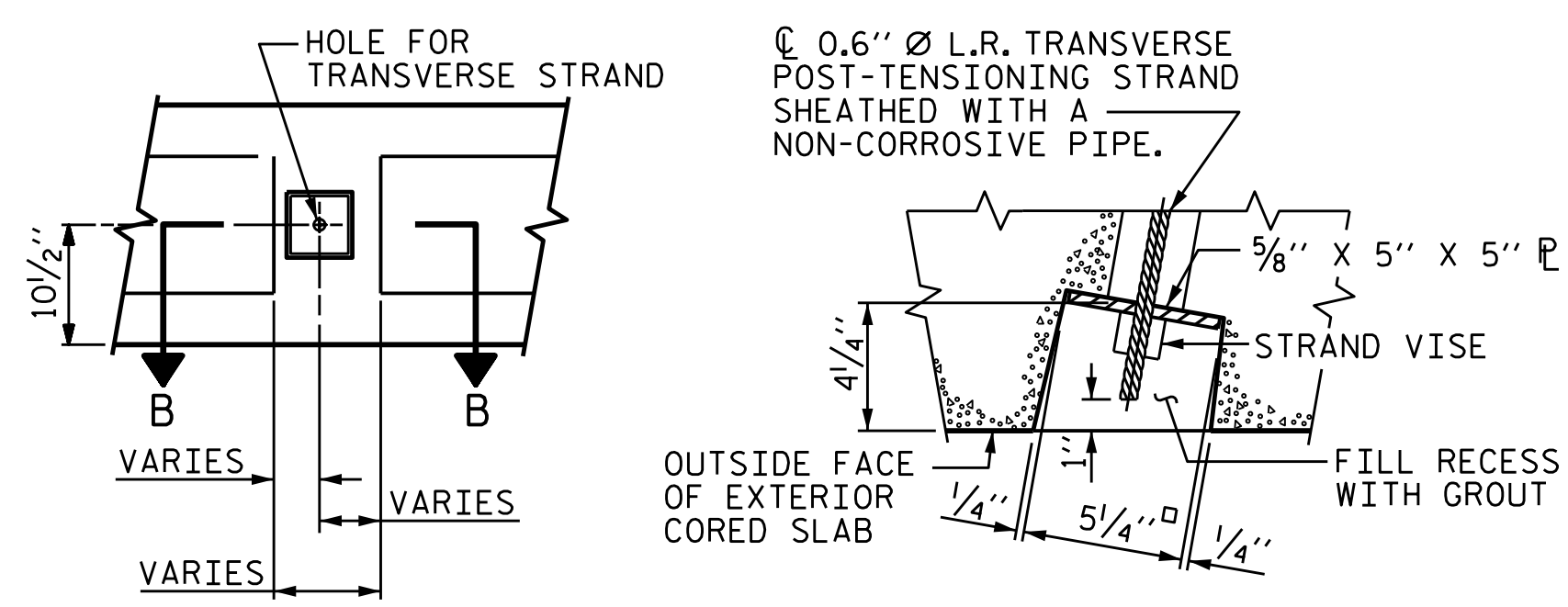
3/4"
2 3/4"

GRADE PT.

ASPHALT WEARING SURFACE

THREADED INSERT DETAIL

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

4"

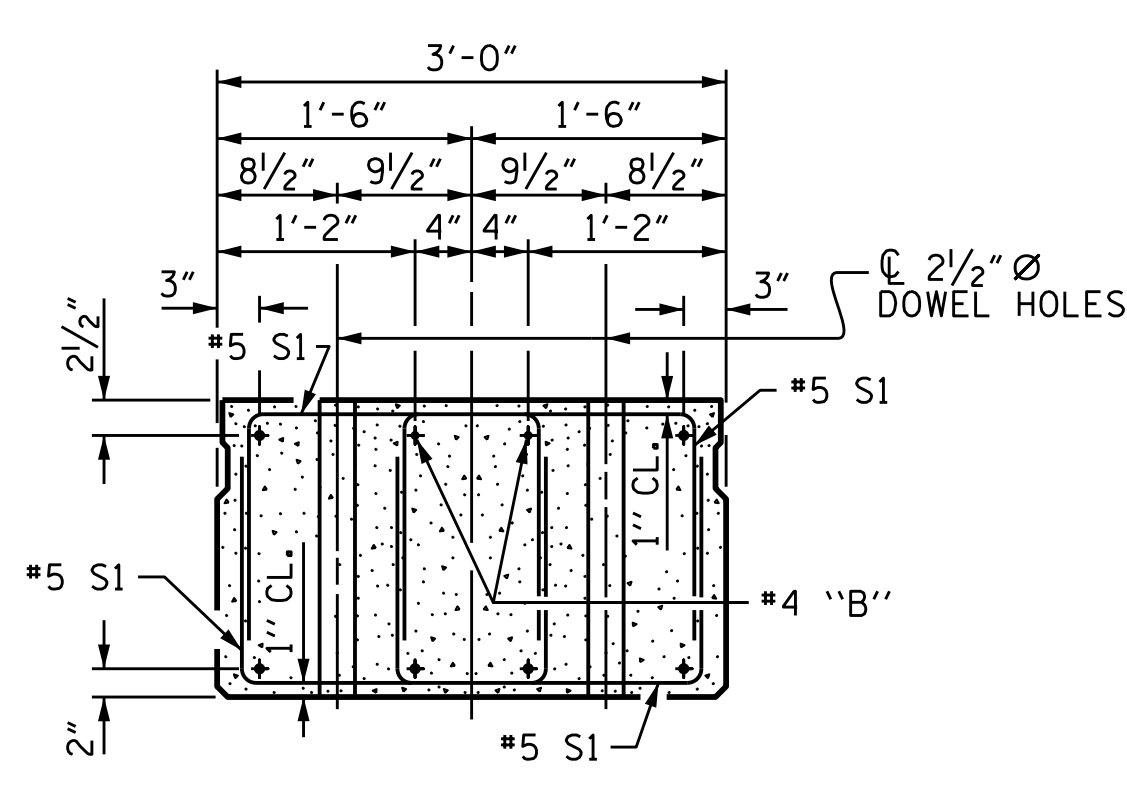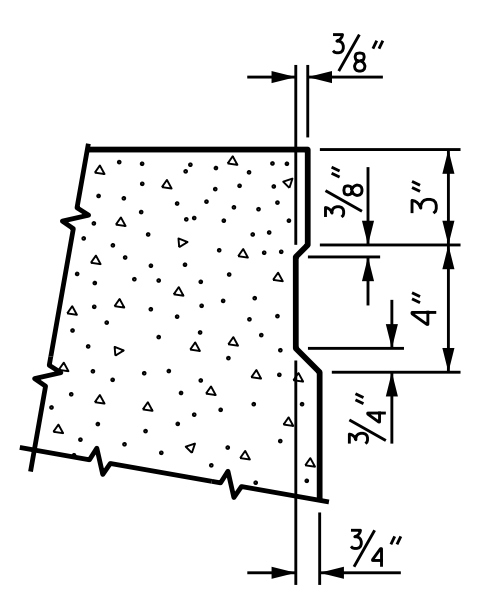# GROUTED RECESS AT END OF POST-TENSIONED STRAND OF CORED SLABS

HOLE FOR TRANSVERSE STRAND

10 1/2"

B   B

VARIES
VARIES
VARIES

ELEVATION VIEW
(SEE PLAN OF SPAN FOR DISTANCES)

℄ 0.6" Ø L.R. TRANSVERSE POST-TENSIONING STRAND SHEATHED WITH A NON-CORROSIVE PIPE.

5/8" X 5" X 5" ℄

STRAND VISE

OUTSIDE FACE OF EXTERIOR CORED SLAB

4 1/4"
1/4" 5 1/4"□ 1/4"

FILL RECESS WITH GROUT

SECTION B-B
(SKEW > 90° SHOWN; DIMENSIONS FOR 90° SKEW AND SKEW < 90° SIMILAR)

END ELEVATION

3'-0"
1'-6" 1'-6"
8 1/2" 9 1/2" 9 1/2" 8 1/2"
1'-2" 4" 4" 1'-2"
3" 3"

℄ 2 1/2" Ø DOWEL HOLES

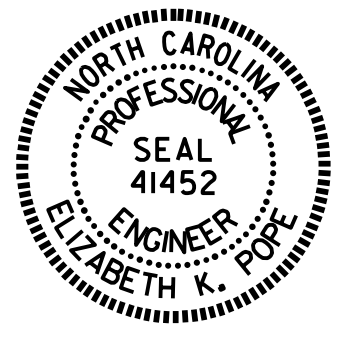2 1/2"
#5 S1
#5 S1
1" CL.
#4 "B"
1" CL.
#5 S1
2"

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.

SHEAR KEY DETAIL

3/8"
3/8"
3"
4"
3/4"
3/4"

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

VARIABLE SUPERELEVATIONS ON BRIDGE

-L- STATION	SUPERELEVATION
3158+50	0.01
3159+00	0.02
3160+00	0.03
3161+00	0.04
3180+50	0.04
3181+50	0.03
3182+50	0.02
3183+00	0.01

PROJECT NO. B-2500AB

DARE COUNTY

STATION: 3170+75.00 -L-

SHEET 1 OF 11

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
1			3			TOTAL SHEETS
2			4			44