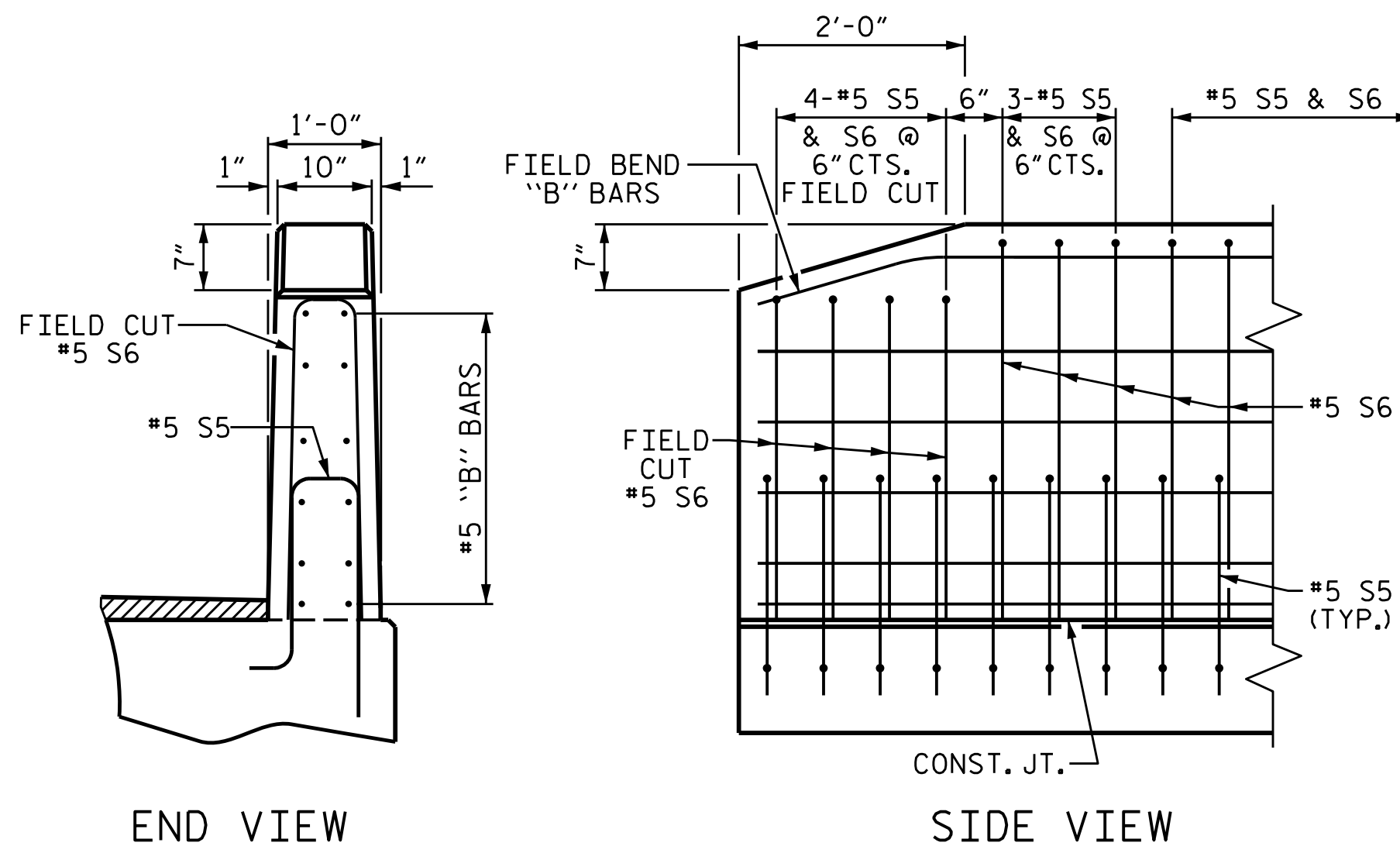


ELASTOMERIC BEARING DETAILS

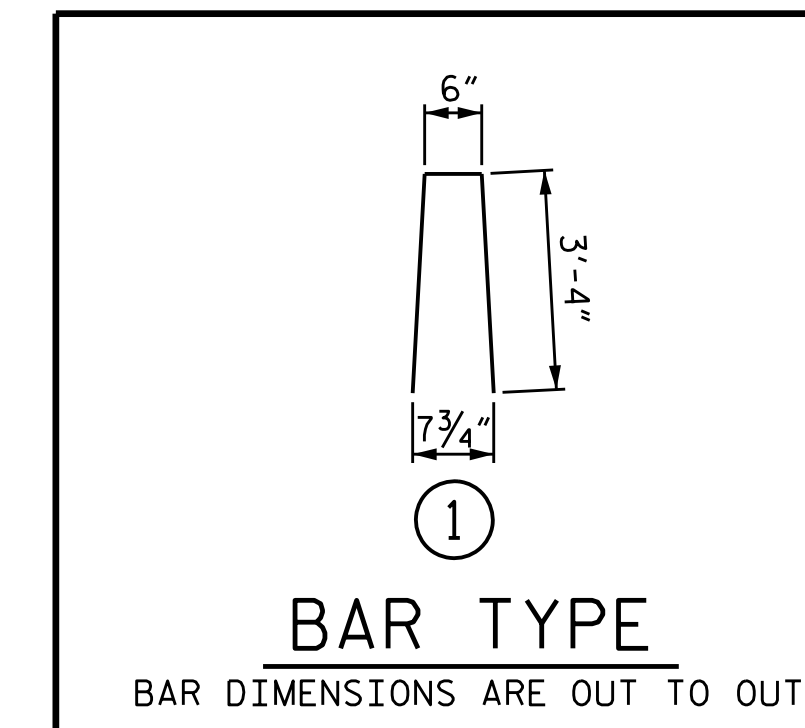
ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.



END OF RAIL DETAILS

BOX BEAM UNITS REQUIRED

| SPANS A & C | NUMBER | LENGTH | TOTAL LENGTH |
|---------------|-----------|--------|-----------------|
| EXTERIOR B.B. | 4 | 50'-0" | 200'-0" |
| INTERIOR B.B. | 16 | 50'-0" | 800'-0" |
| SPAN B | | | |
| EXTERIOR B.B. | 2 | 90'-0" | 180'-0" |
| INTERIOR B.B. | 8 | 90'-0" | 720'-0" |
| TOTAL | 30 | | 1900'-0" |

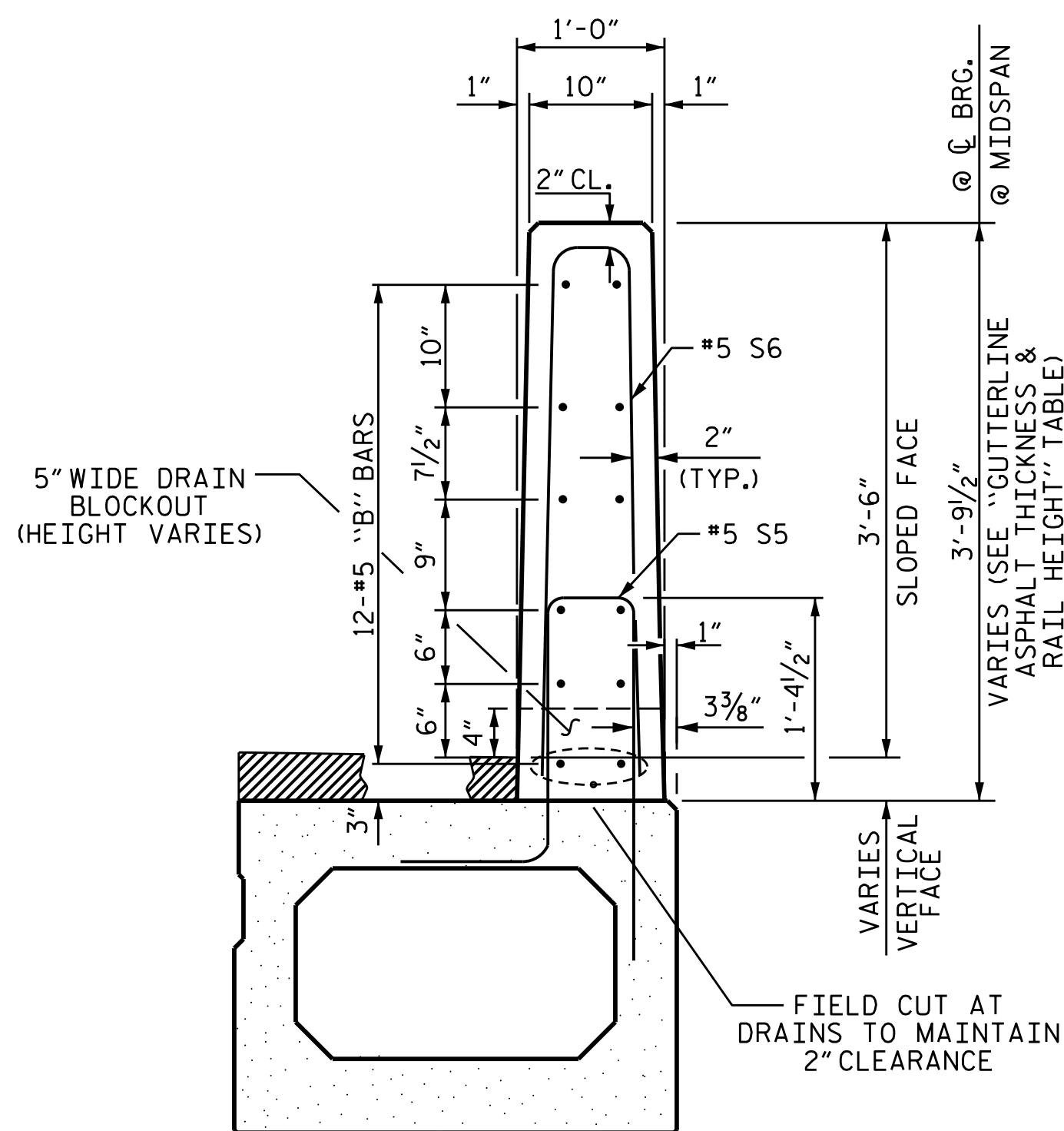


BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

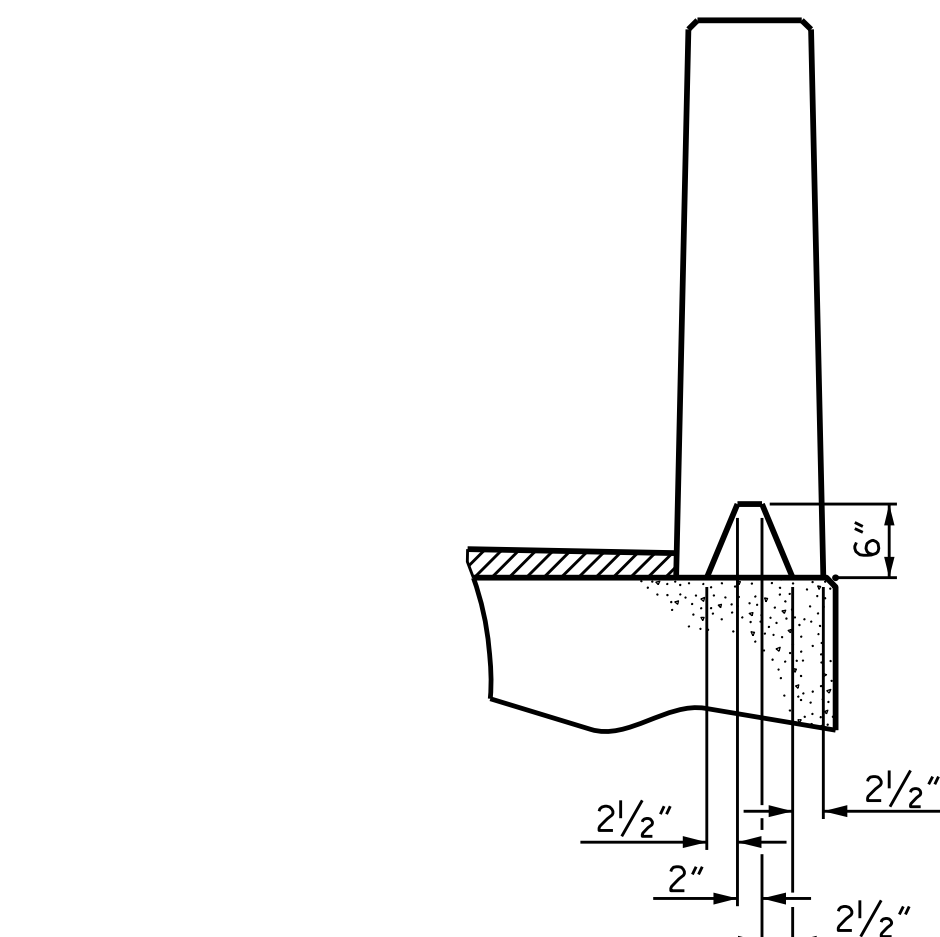
| BAR | BARS PER PAIR OF EXTERIOR UNITS | SIZE | TYPE | LENGTH | WEIGHT |
|---|---------------------------------|------|---------|--------|--------------|
| 90' UNIT | | | | | |
| *B10 | 96 | #5 | STR | 22'-1" | 2211 |
| *S6 | 252 | #5 | 1 | 7'-2" | 1884 |
| 50' UNIT | | | | | |
| *B7 | 96 | #5 | STR | 24'-7" | 2461 |
| *S6 | 288 | #5 | 1 | 7'-2" | 2153 |
| *EPOXY COATED REINFORCING STEEL | | | LBS. | | 8709 |
| CLASS AA CONCRETE | | | CU.YDS. | | 49.2 |
| TOTAL VERTICAL CONCRETE BARRIER RAIL | | | LN. FT. | | 380.0 |

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT

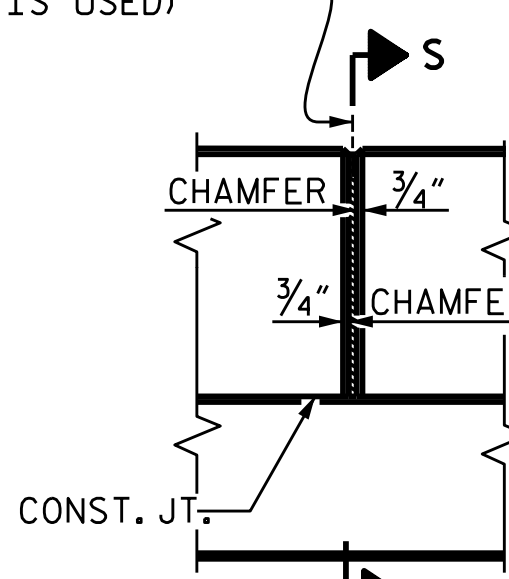
| | ASPHALT OVERLAY THICKNESS @ MID-SPAN | RAIL HEIGHT @ MID-SPAN |
|-----------|--------------------------------------|------------------------|
| 90' UNITS | 1/2" | 3'-7 1/2" |
| 50' UNITS | 3/8" | 3'-9 1/8" |



VERTICAL CONCRETE BARRIER RAIL DETAILS



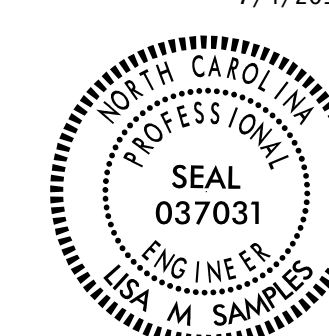
1/2" EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS.
(NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED)



PROJECT NO. B-5398
BURKE COUNTY
STATION: 16+45.00 -L-

SHEET 7 OF 7

DocuSigned by:
Lisa M. Samples
5663D099A9B449C...



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

3'-0" X 2'-9"
PRESTRESSED CONCRETE
BOX BEAM UNIT

REVISIONS

| NO. | BY: | DATE: | NO. | BY: | DATE: |
|-----|-----|-------|-----|-----|-------|
| 1 | | | 3 | | |
| 2 | | | 4 | | |

SHEET NO.
S-11
TOTAL SHEETS
24

ASSEMBLED BY : J.M. KEPICH DATE : 02/16
CHECKED BY : L.M. SAMPLES DATE : 04/16
DRAWN BY : DGE 10/11 REV. 4/14 MAA/TMG
CHECKED BY : TMG 11/11

DESIGN ENGINEER OF RECORD : L.M. SAMPLES DATE : 05/16



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