

CONCRETE RELEASE STRENGTH	
UNIT	PSI
55' UNITS	6200
60' UNITS	7200

DEAD LOAD DEFLECTION AND CAMBER		
24" C.S. UNIT--0.6" Ø L.R. STRAND	SPAN A THRU E (60'-0 UNITS)	SPAN F THRU J (55'-0 UNITS)
CAMBER (SLAB ALONE IN PLACE)	2 1/4" ↑	1 1/16" ↑
DEFLECTION DUE TO SUPERIMPOSED DEAD LOAD **	1/4" ↓	3/16" ↓
FINAL CAMBER	2" ↑	1 1/2" ↑

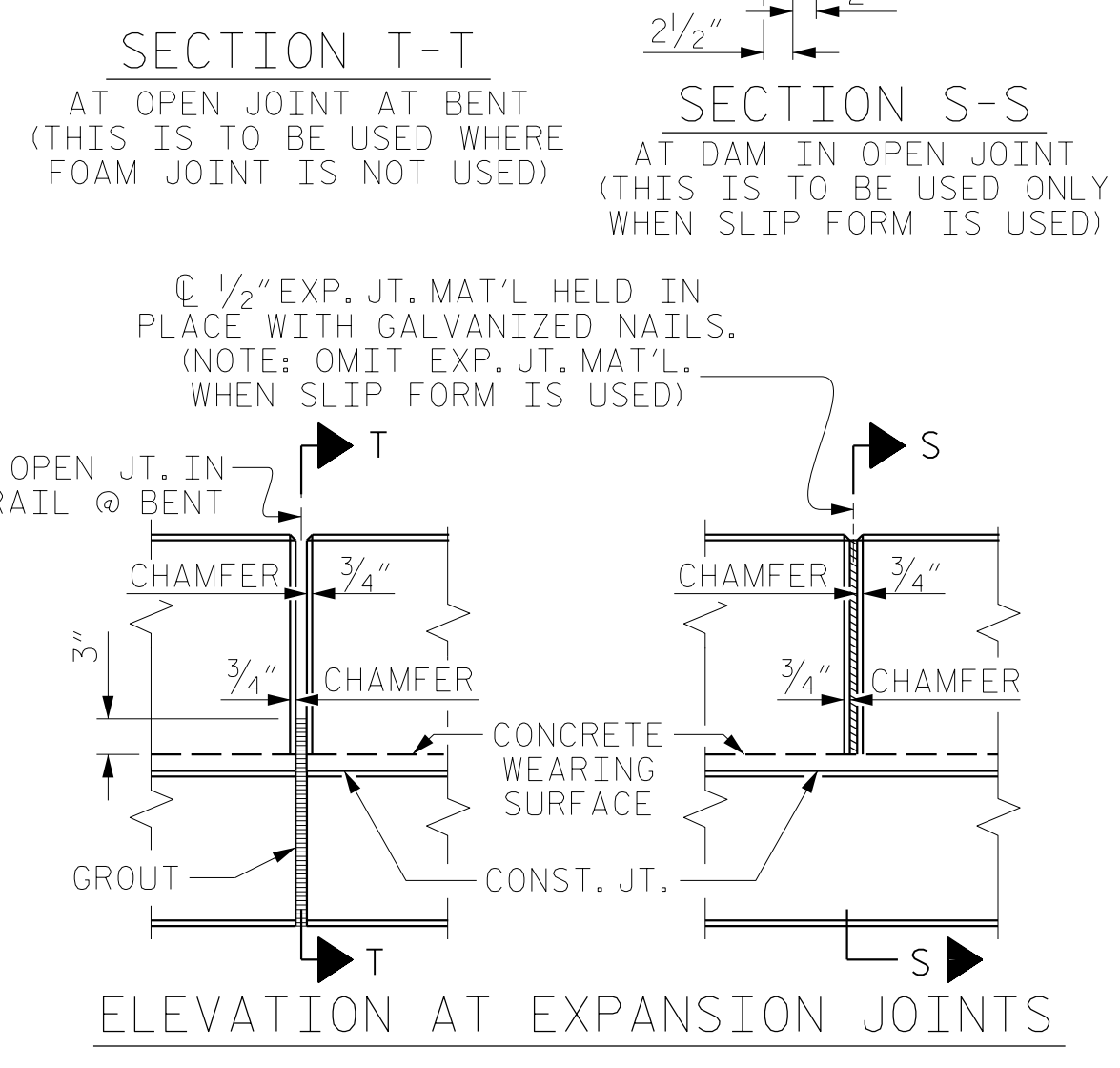
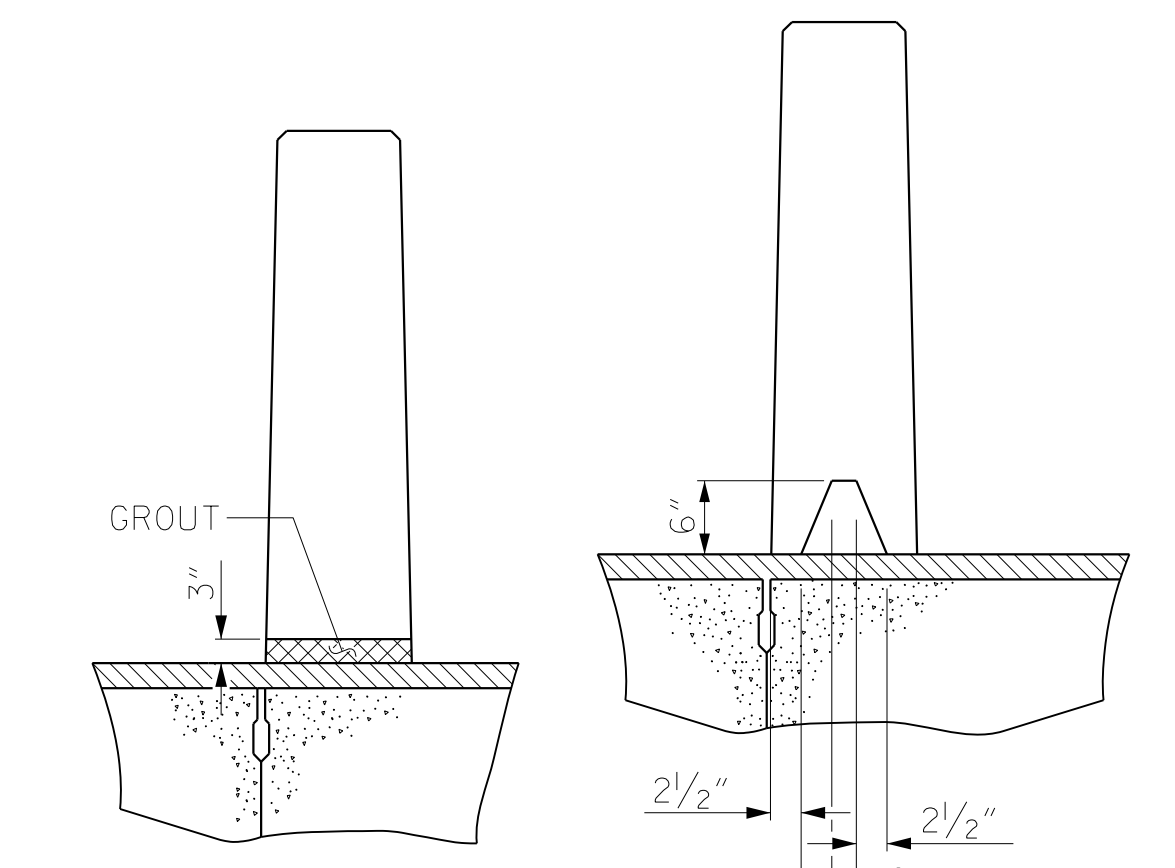
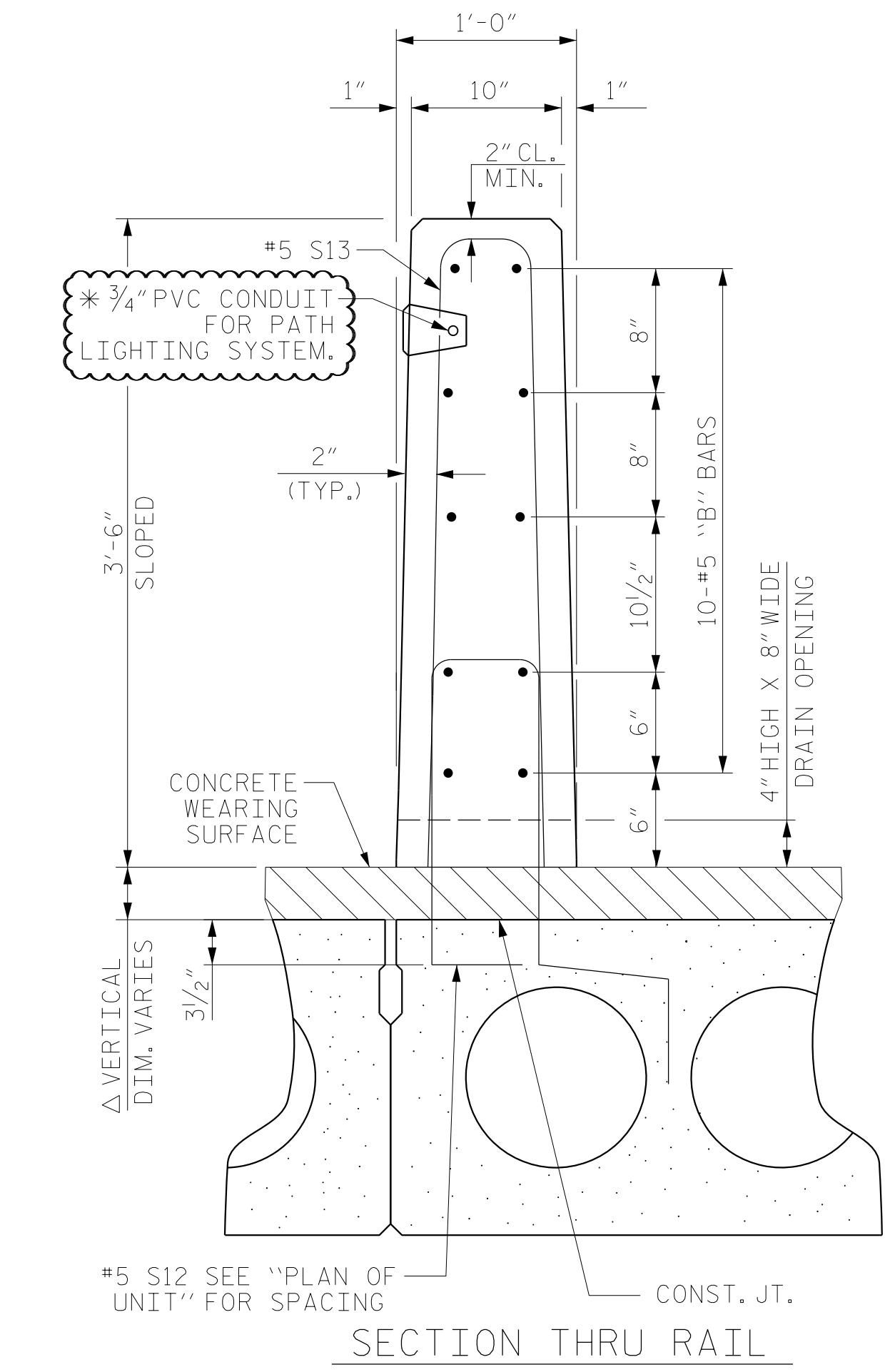
** INCLUDES CONCRETE WEARING SURFACE ONLY PER STRUCTURES DESIGN MANUAL SECTION 6.4.4.

GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,344 SQ.FT.
BRIDGE DECK	15,653 SQ.FT.
TOTAL	16,997 SQ.FT.

MULTI-USE PATH GROOVING IS NOT REQUIRED

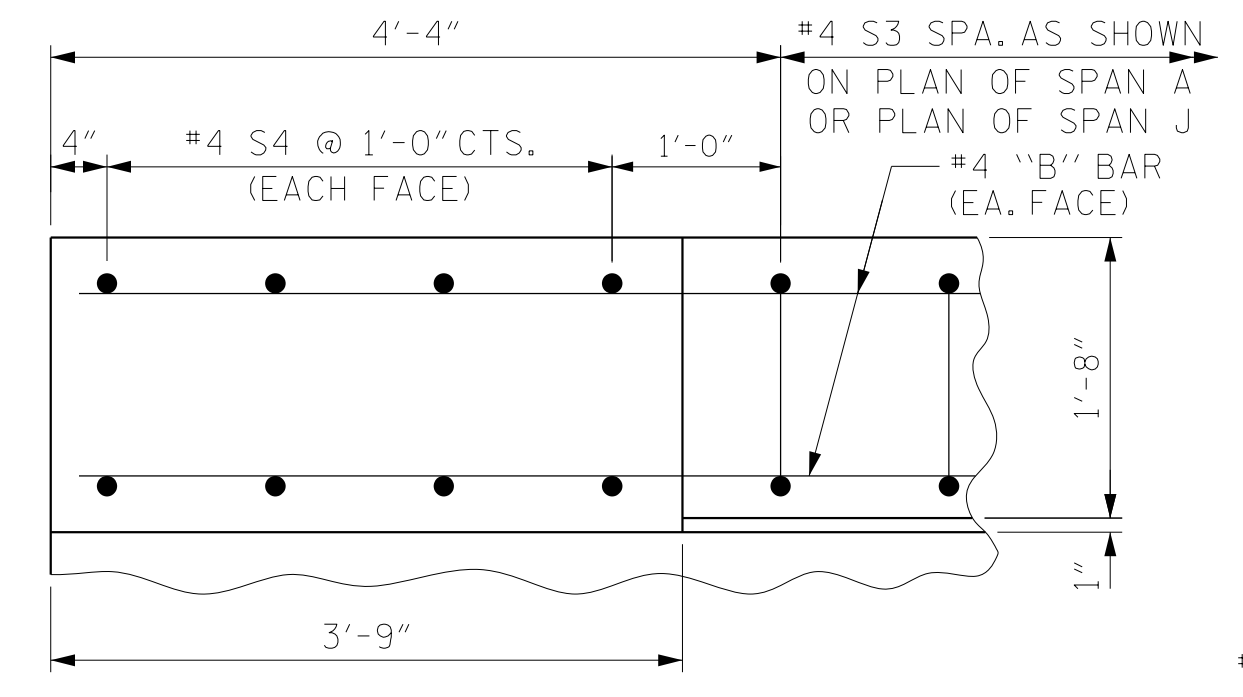
GRADE 270 STRANDS	
	0.6" Ø L.R.
AREA (SQUARE INCHES)	0.217
ULTIMATE STRENGTH (LBS. PER STRAND)	58,600
APPLIED PRESTRESS (LBS. PER STRAND)	43,950

* FOR PATH LIGHTING SYSTEM DETAILS, SEE ELECTRICAL PLANS.

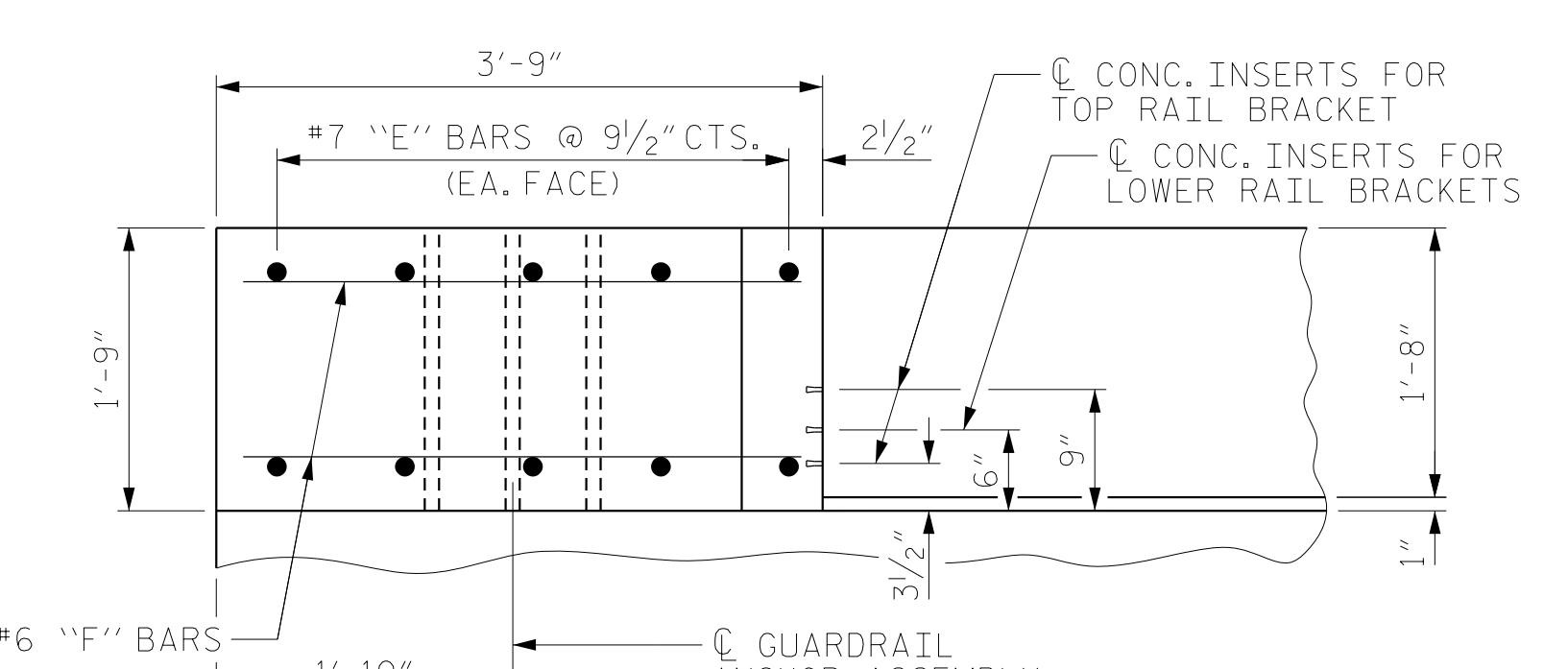


VERTICAL CONCRETE BARRIER RAIL DETAILS

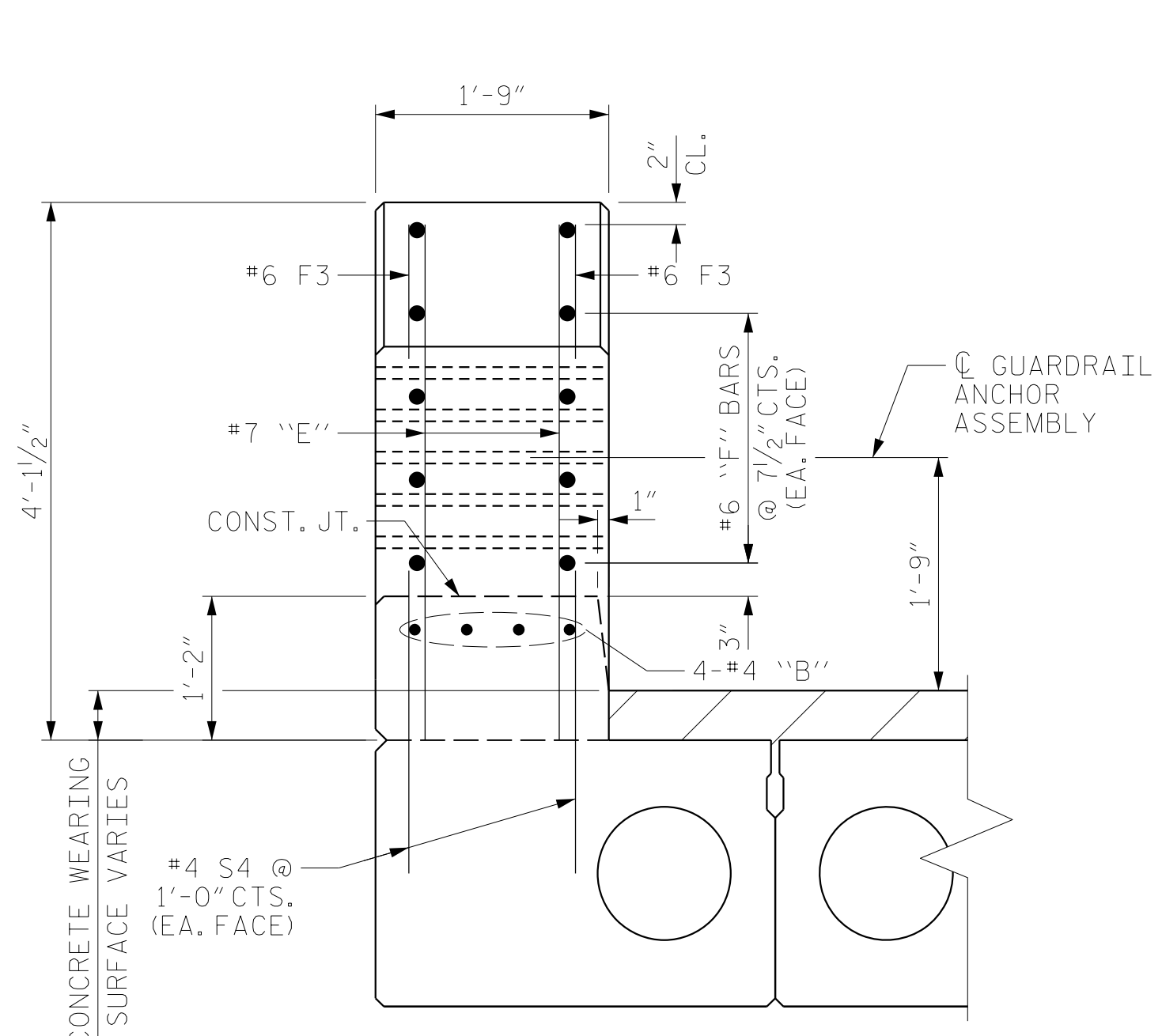
Δ FOR CONCRETE WEARING SURFACE THICKNESS, SEE SHEETS S-20 AND S-21.



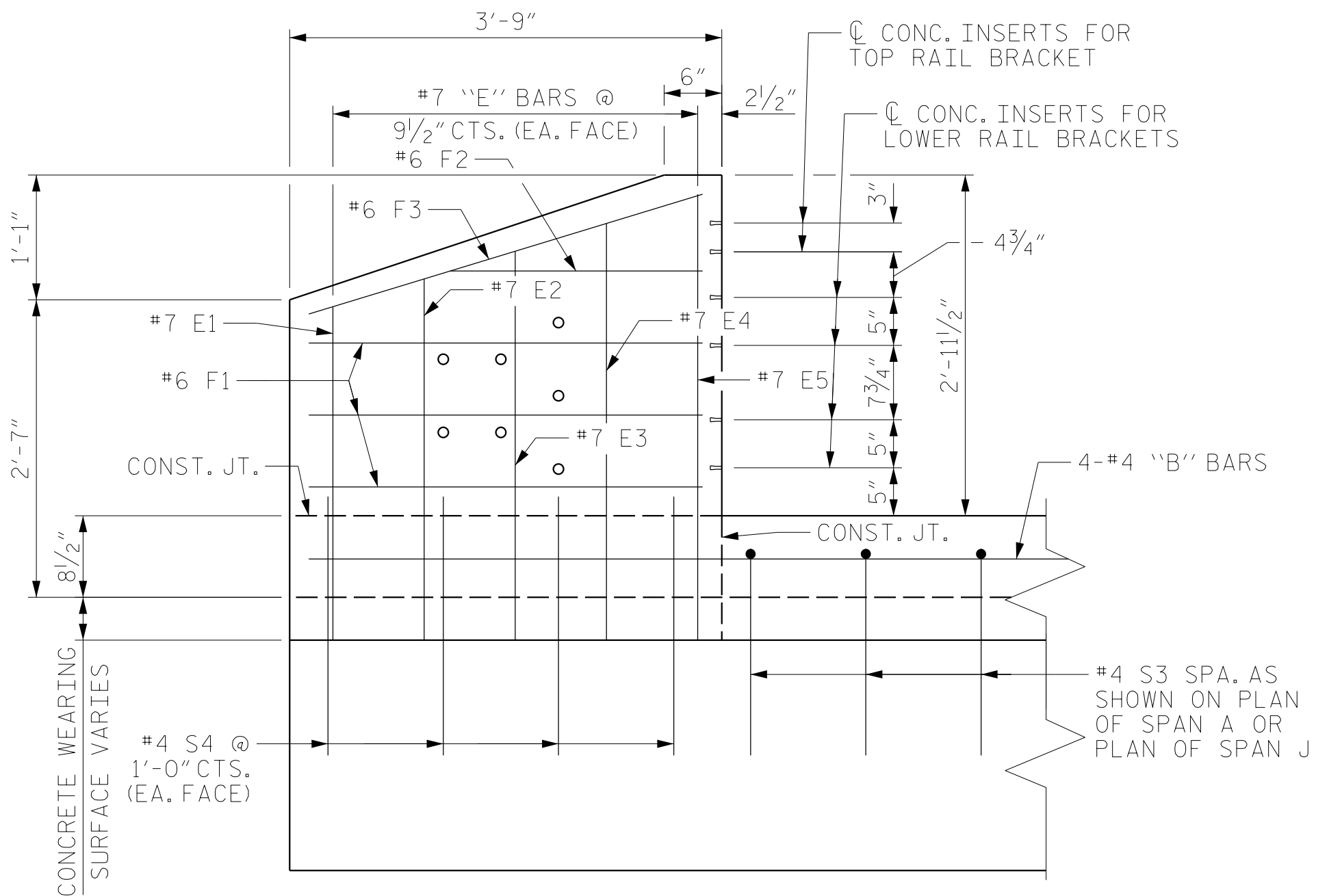
PLAN OF CURB



PLAN OF END POST



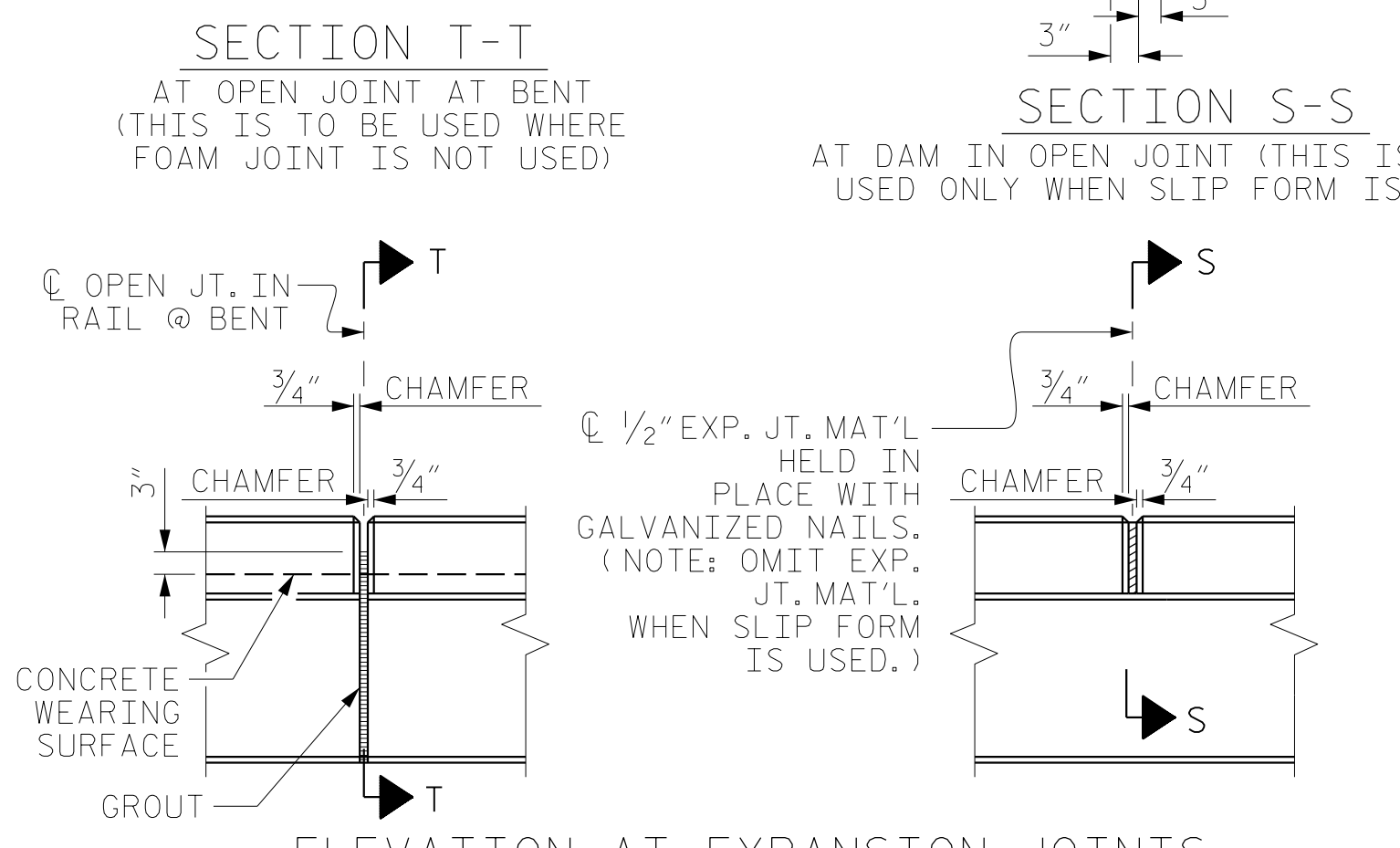
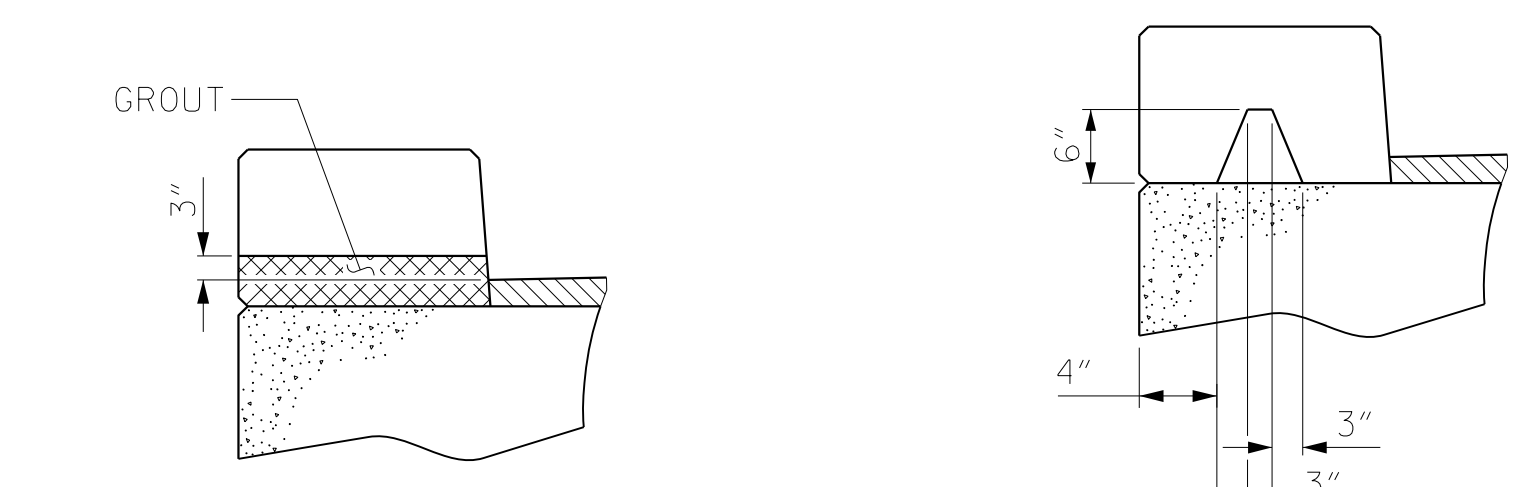
END VIEW



ELEVATION

CURB AND END POST FOR 42" OREGON RAIL

THE #4 'B' BARS IN THE CURB MAY BE FIELD CUT TO AVOID DRAIN BLOCKOUTS.



CONCRETE CURB SECTION

PROJECT NO. BR-0160
BRUNSWICK COUNTY
 STATION: 21+77.50 -L-

SHEET 14 OF 16



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 3'-0" X 2'-0"
 PRESTRESSED CONCRETE
 CORED SLAB UNIT

DRAWN BY : MRA	DATE : 02/2023
CHECKED BY : MKO	DATE : 02/2023
DESIGN ENGINEER OF RECORD: RLB	DATE : 03/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS 42
2			4			