

HALF PLAN
Scale 3/8" = 1'-0"

OVERALL SPAN	STRUCTURAL STEEL DATA										REINFORCING STEEL										CONC. CLASS B		
	SIZE	WF BEAM	W/O. DI. CHAIR	SEC. MOD.	DIM. "H"	DIM. "A"	W. 20W	FOR SPAN WITHOUT S.W. BARS					ADD FOR (2) S.W. BARS					TOT. WGT. WITH S.W.	TOT. WGT. WITH S.W.				
	WT. 20W	LENGTH	W/O. DI. CHAIR	REQ. D.	FINED EXR.	"A"	1	2	3	4	5	6A	10	5A	7	8	9	10	2	2			
79	18" C 42.7"	78'-0"	1 1/2"	742	8.49	4.11	-02	163456	87	87	87	174	24	24	6	24	20	240	68	54	24	22574	124.2

NOTES: Steel Superstructure to include WF beams, bearing plate assemblies & indicated diaphragms per span. All steel beams shall be rolled to a true circular camber full length of the beam & the middle ordinate to be as noted for various spans in the table unless otherwise noted on Plan & Profile sheet.

All Structural Steel shall be painted as specified under item 403 A-B, Standard Road & Bridge Specifications, State of Vermont, 1948.

The final coat of field paint shall be green unless otherwise directed by the Engineer.

This sheet does not include Quantities for Railing, Curbs, & Posts. Quantities are for a Single Span Square Bridge.

When Bridge is built on skew, transverse bars shall be furnished as for square span. Bars shall be cut in field to fit one skew end & cut-off ends shall be used in opposite skew end. In skew spans the #10 bars shall be lengthened, & the number of #6 series bars shall be increased. The length of beams decreases on skew spans, as indicated on detail "L" on drawing 5B#20.

All material & construction shall conform to the Standard Road & Bridge Specifications, State of Vermont, 1948 and the A.A.S.H.O. Specifications for 1944. Design for H-20(44) live loading. 25% paving allowance, dead load includes weight of beams, slab, & pipe rail.

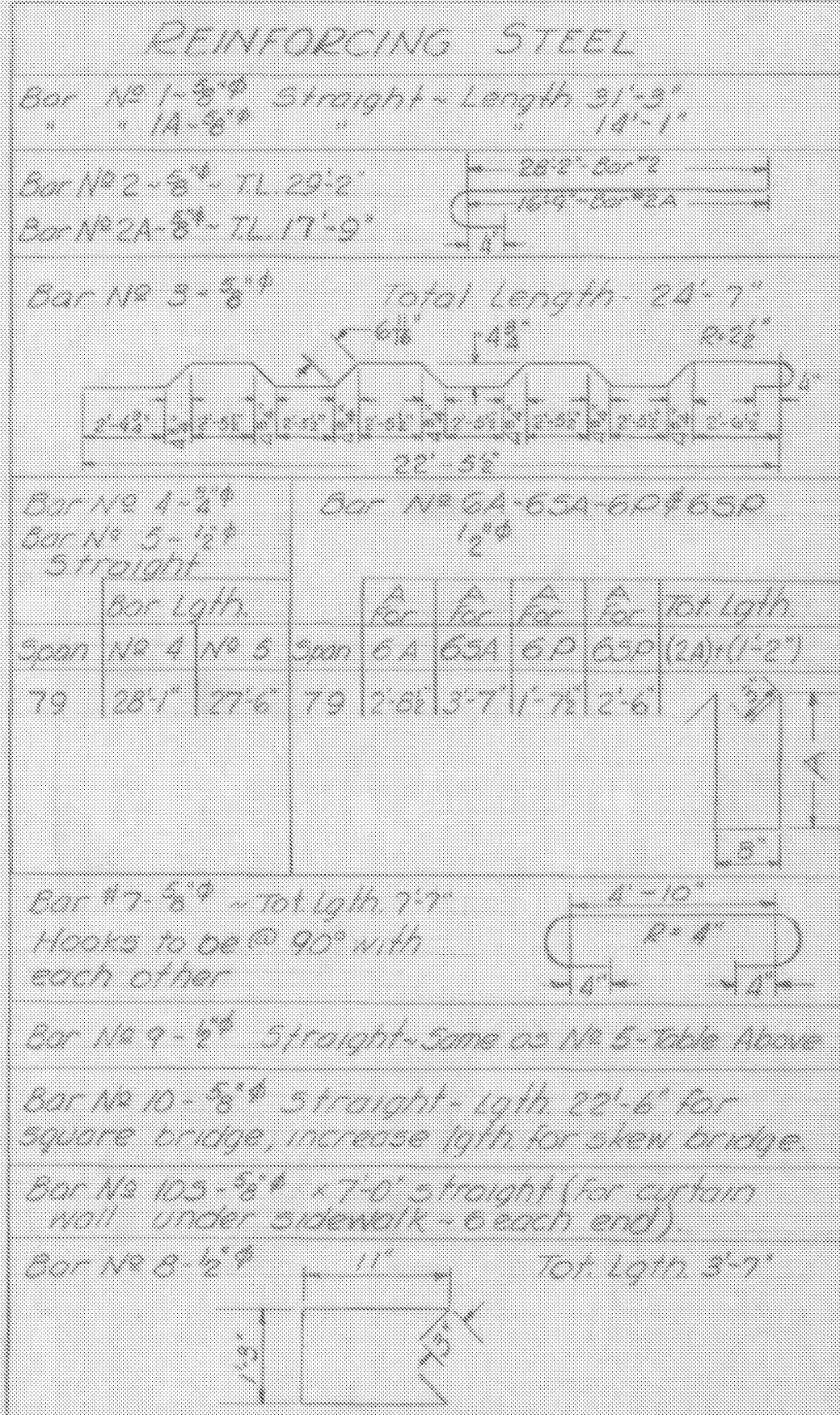
For location of Fixed & Expansion Bearings, see Plan & Profile Sheet.
For Bridges with Spindle Sidewalk Railing, see Std. Sheet 5B-55.
For Bearing Plates see Dwg. 5B#20-Detail "L". Use Assembly No. 1 for Fixed Ends - Spans 74' & up.
No. 2 for Exp. Ends - Spans 74' & up.

For details of Diaphragms, see Dwg. 5B#20-Detail "K". For diaphragms use 29# WF 108" Location as shown in Plan.

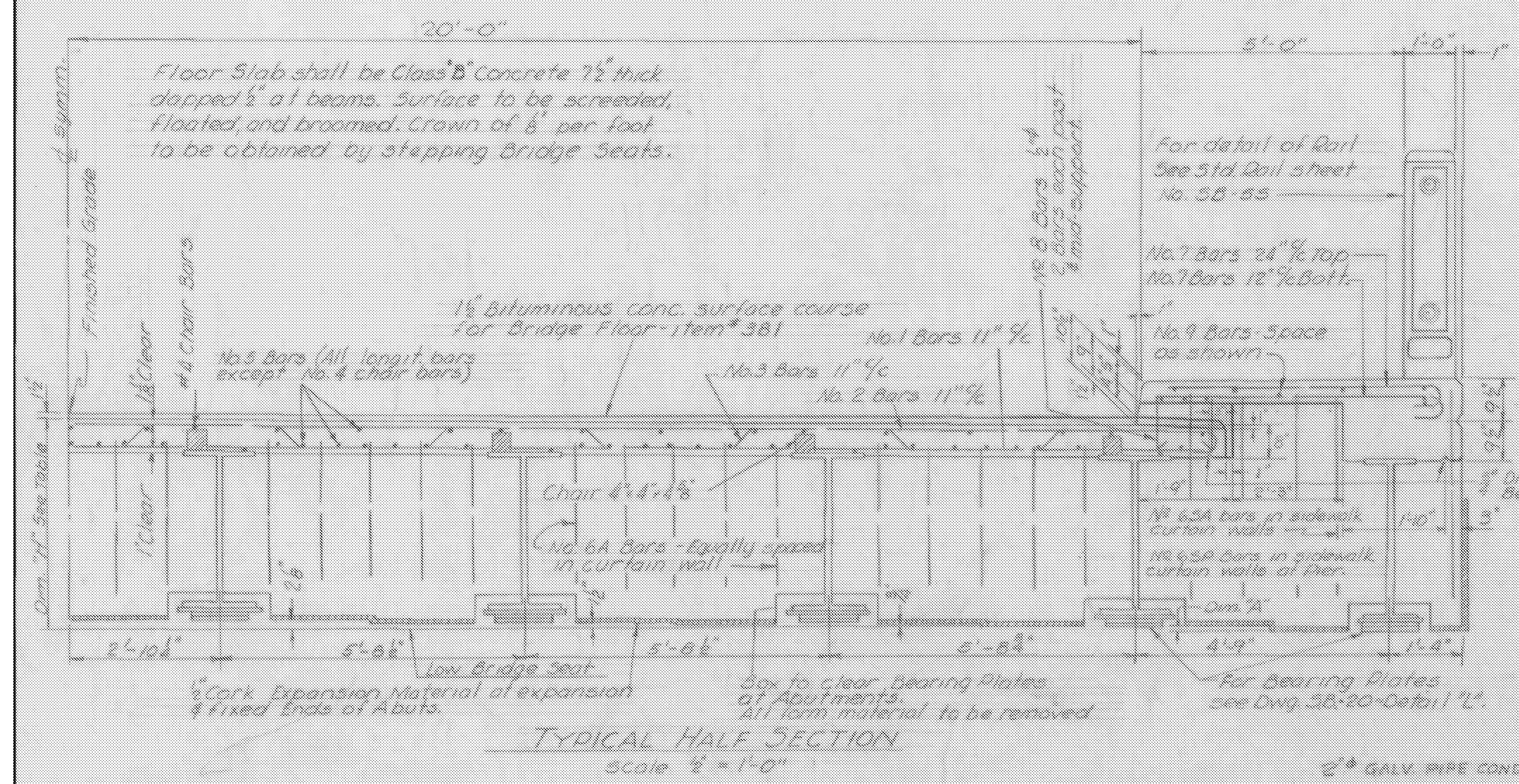
Splice Lapping of No. 1 bars shall be on one side of Bridge & splice lapping of No. 2 bars shall be on the other side of Bridge.

3" minimum camber likely to remain permanent will be accepted.

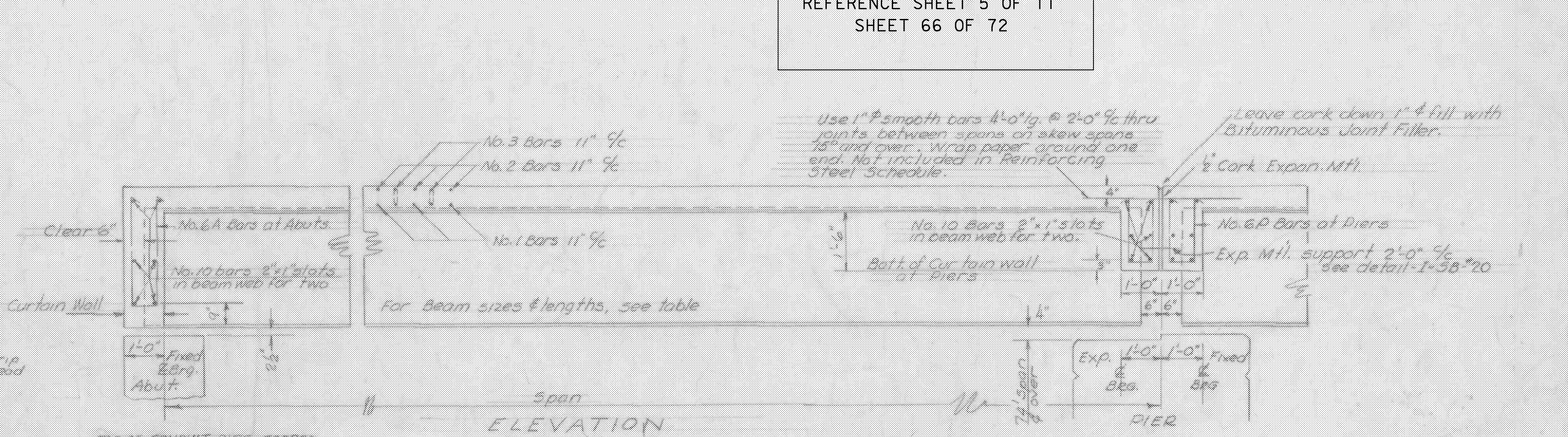
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	Vt.				



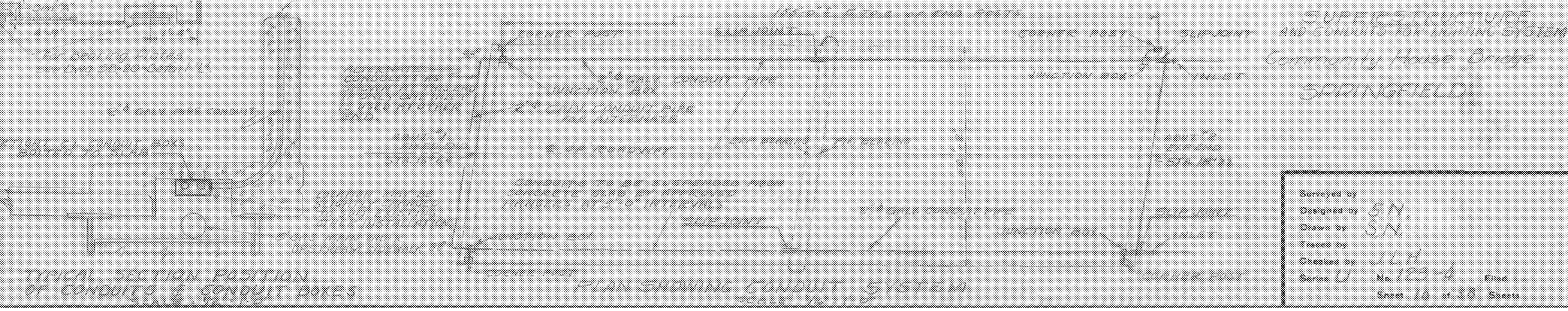
SPRINGFIELD
BHF 016-2 (14)
REFERENCE SHEET 5 OF 11
SHEET 66 OF 72



TYPICAL HALF SECTION
Scale 1/2" = 1'-0"



ELEVATION



PLAN SHOWING CONDUIT SYSTEM
Scale 1/16" = 1'-0"

CONDUIT SYSTEM NOTES.

CONTRACTOR TO SUPPLY & INSTALL CONDUIT SYSTEM FOR LIGHTS ON THE FOUR END POSTS OF BRIDGE AS SHOWN ON THIS SHEET AND IN ACCORDANCE WITH STD. DWG. 5B 20, DETAIL "M" AND AS SPECIFIED UNDER ITEM 513-B CONTRACTOR TO LEAVE ALL EXPOSED CONDUIT ENDS CAPPED & READY FOR WIRING BY OTHERS.

ANY ARRANGEMENTS MADE BETWEEN THE CONTRACTOR AND THE TOWN OF SPRINGFIELD, VILLAGE OF SPRINGFIELD AND THE CENTRAL VERMONT PUBLIC SERVICE CORP. IN REGARD TO THIS WORK, SHALL BE MADE BY THE CONTRACTOR AND WILL NOT BE A PART OF THIS CONTRACT.

JUNCTION BOXES TO BE STANDARD WATERTIGHT C.I. JUNCTION BOXES.

ALL EXPOSED METAL PARTS THAT ARE NOT GALVANIZED TO BE PAINTED IN ACCORDANCE WITH ITEM 403 A & B.

SUPERSTRUCTURE AND CONDUITS FOR LIGHTING SYSTEM
Community House Bridge
SPRINGFIELD

Surveyed by
Designed by S.N.
Drawn by S.N.
Traced by
Checked by J.L.H.
Series U No. 123-4
Sheet 10 of 38 Sheets