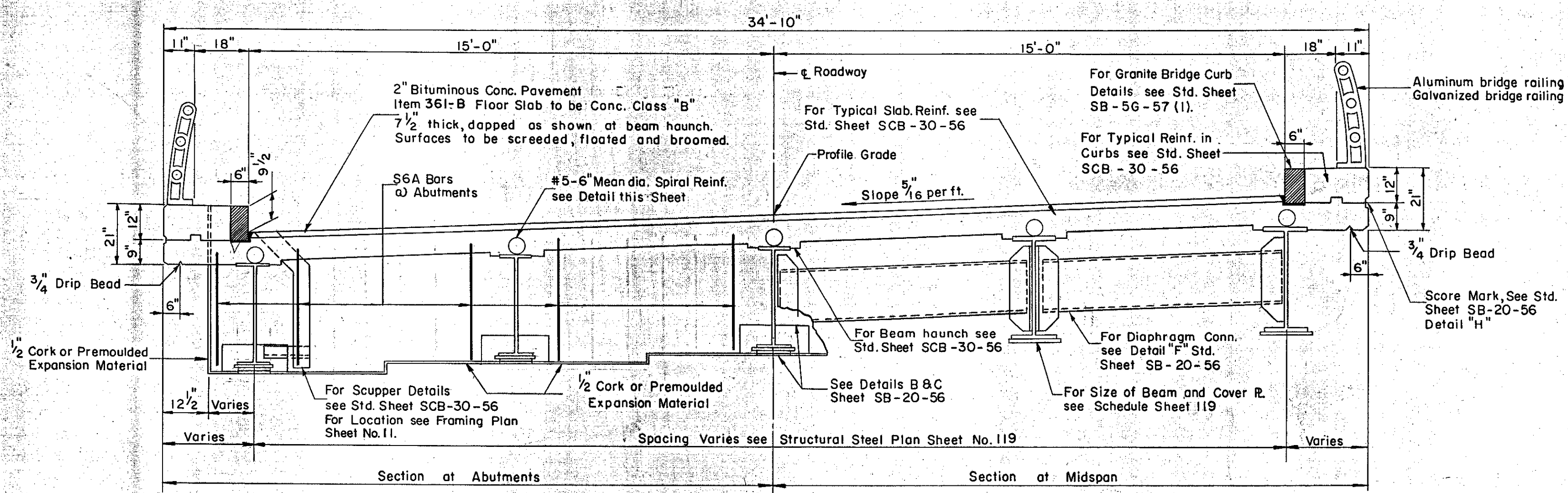
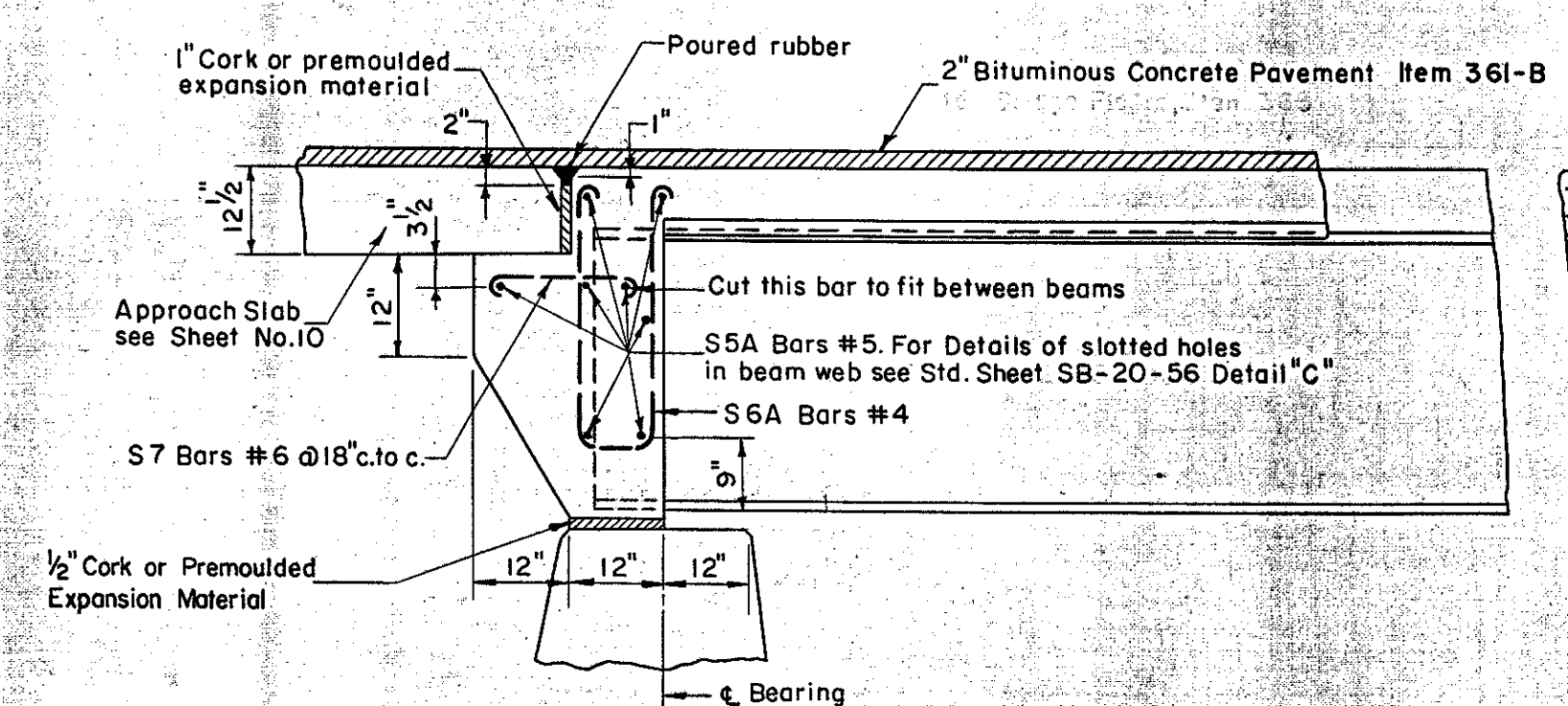


B.P.R. DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	I-89-2(7)	120	296

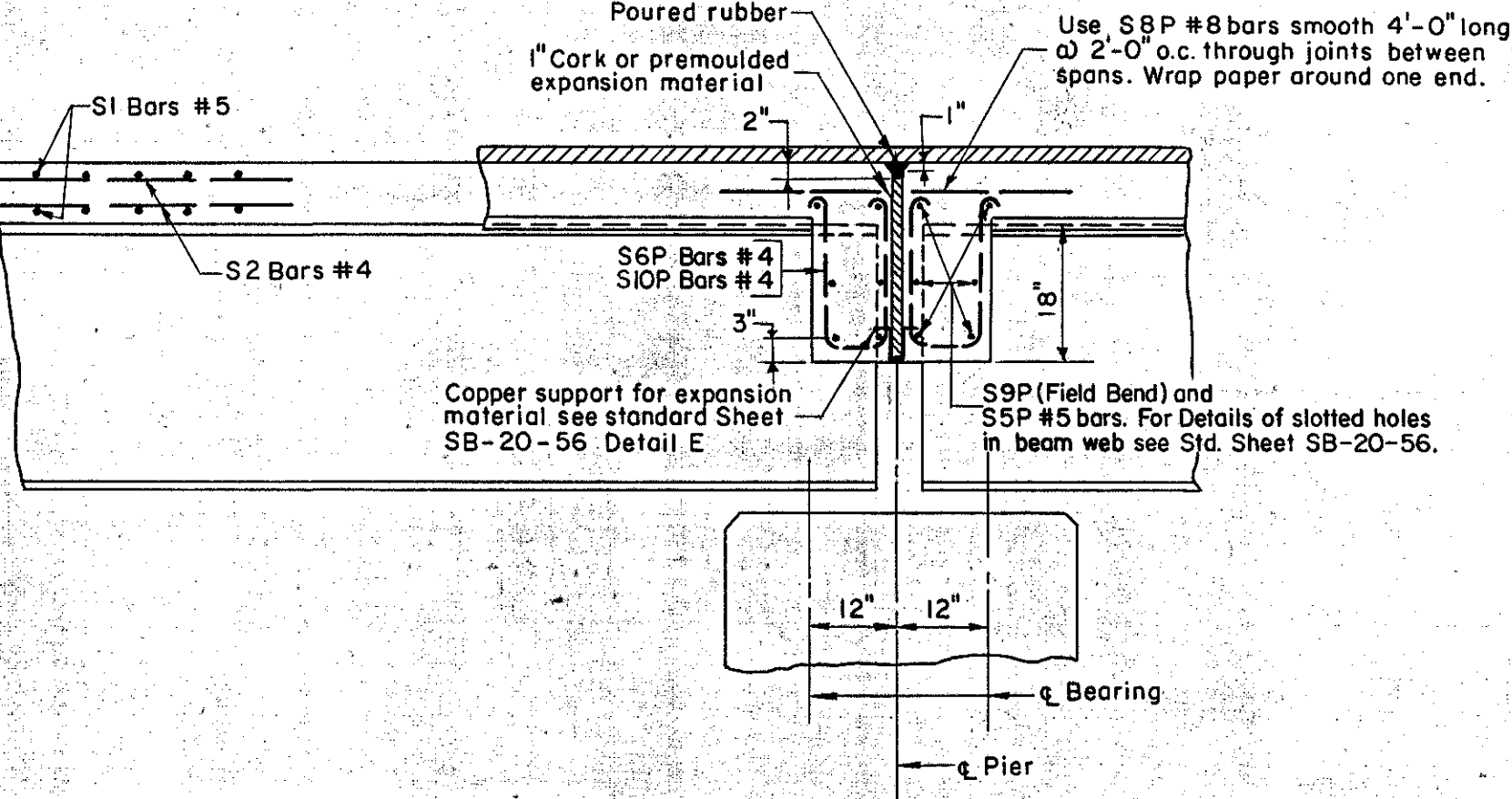


TYPICAL CROSS SECTION
Scale: 3/8" = 1'-0"

BEAM SCHEDULE				SPIRAL SCHEDULE					
BEAM NO.	A	B	C	D	LENGTH OF SPAN	64'	69'	94'	99'
1	9"	14 3/8"	63' - 8 7/16"	65' - 7 13/16"	SPIRAL PITCH: 0'-10' FROM BRNG.	DOUBLE @ 5"	DOUBLE @ 5"	DOUBLE @ 6 1/2"	DOUBLE @ 6 1/2"
2,3,4	do	9"	63' - 6 1/4"	65' - 0 1/4"	" 10'-20' OR 6' SPAN	DOUBLE @ 6 1/2"	DOUBLE @ 6 1/2"	DOUBLE @ 6 1/2"	DOUBLE @ 6 1/2"
5	do	14 1/4"	63' - 4 1/8"	65' - 3 3/8"	" 20'-30' OR 6' SPAN	5"	4 1/2"	4 1/2"	4 1/2"
6	do	14 1/8"	64' - 9 7/16"	66' - 8 1/16"	" 30'-40' OR 6' SPAN	7 1/2"	7"	5 1/2"	5 1/2"
7,8,9	do	9"	64' - 7 1/16"	66' - 1 7/16"	" 40' - 6' SPAN			7"	7"
10	do	14"	64' - 5 3/8"	66' - 4 3/8"					
11	14 1/8"	14 1/8"	87' - 9 7/16"	90' - 1 7/16"					
12,13,14	9"	9"	87' - 6 3/8"	89' - 0 5/8"					
15	14"	14"	87' - 3 3/4"	89' - 7 3/4"					
16	13 7/8"	13 7/8"	94' - 2 1/4"	96' - 6"					
17,18,19	9"	9"	93' - 11 3/8"	95' - 5 3/8"					
20	13 3/16"	13 3/16"	93' - 8 9/16"	96' - 0 3/16"					
21	13 7/8"	9"	61' - 11 1/2"	63' - 10 3/8"					
22,23,24	9"	do	61' - 9 9/16"	63' - 3 3/16"					
25	13 3/16"	do	61' - 7 1/16"	63' - 6 1/2"					
26	13 5/8"	do	68' - 0"	69' - 10 5/8"					
27,28,29	9"	do	67' - 10 1/16"	69' - 4 1/16"					
30	13 9/16"	do	67' - 8 1/16"	69' - 6 1/16"					

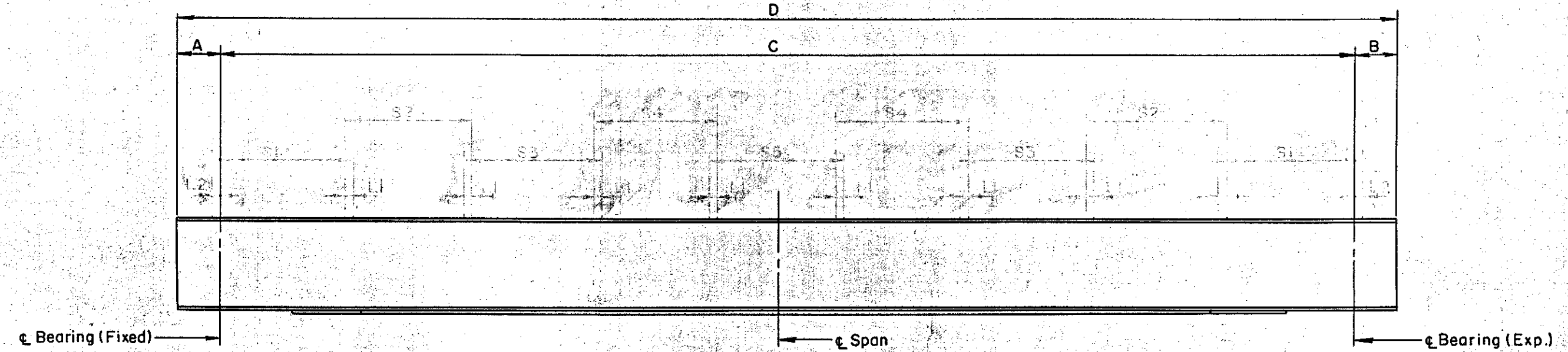


ELEVATION AT ABUTMENTS



TYPICAL ELEVATION OF BEAM (SQUARE)

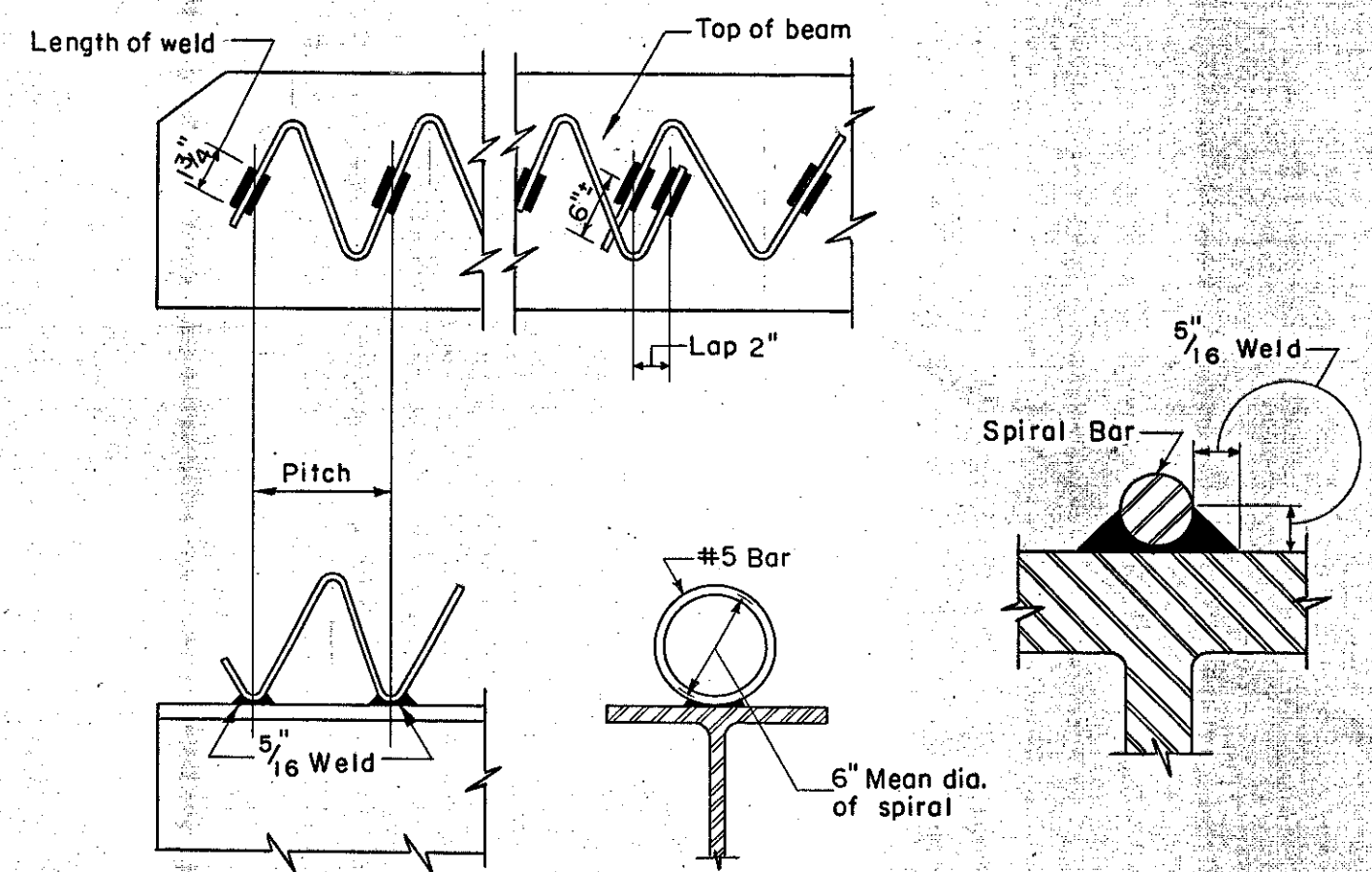
ELEVATION AT PIERS



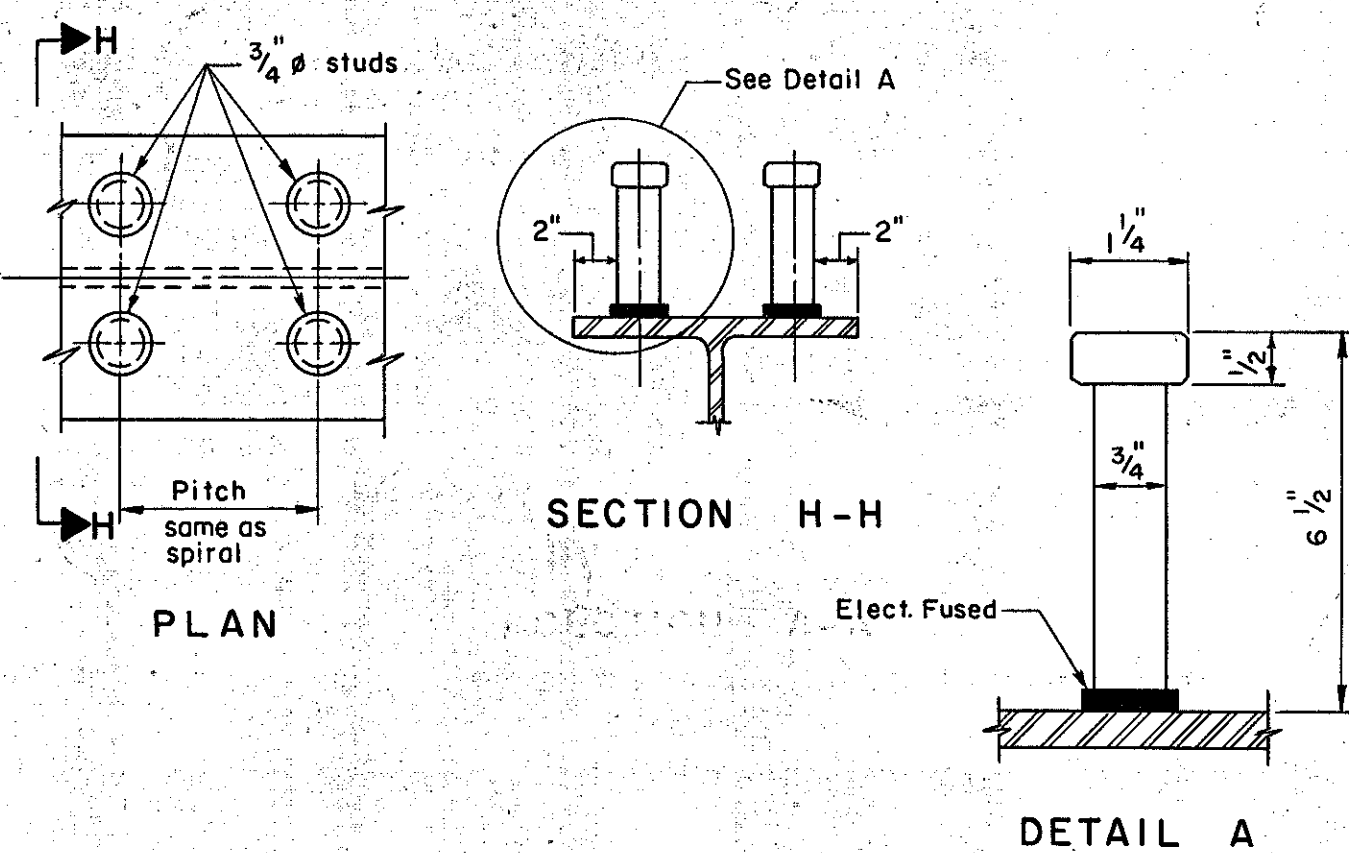
ELEVATION OF BEAMS

Notes: 1. For Beam Size and Cover R. Size see Framing Plan Sheet No.119
2. For Cover R. Details see Std. Sheet SCB-30-56 (I).
3. Cut Flanges @ Bearings as per Std. Sheet SB-22-58.

NOTE: WHERE A DOUBLE SPIRAL IS CALLED FOR IN THE SCHEDULE
(4) FOUR 6 1/2" LONG STUDS ARE REQUIRED PER PITCH.



SPIRAL WELDING DETAILS



ALTERNATE SHEAR CONNECTOR

Beam	L	d
1-10	64'-0" ±	2 1/4"
11-15	87'-6" ±	4"
16-20	94'-0" ±	4 3/8"
21-25	61'-9" ±	2"
26-30	67'-10" ±	2 1/2"

CAMBER DIAGRAM

ESTIMATED QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	SUPERSTRUCTURE	
			NET	OVER-RUN TOTAL FINAL
361-B	Bit. Conc. Pavement	TONS	175 ✓	175 ✓
401-B	Concrete Class B (Mod.)	C.Y.	460 ✓	511 ✓
402	Reinforcing Steel	Lbs.	See Reinforcing Schedule Sht. 121	
403-d	Spiral Reinforcement (15,300 LB.)	L.S.	1 ✓	1 ✓
404-A	Structural Steel	Lbs.	571,844 ✓	563,280 ✓

IM 089-2(26)
This sheet for information only
BR 50 N & S
CONTRACT NO. 2

STRUCTURAL DETAILS
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the town of
WATERBURY
INTERSTATE OVER STA. 939 + 50
U.S. ROUTE 2 (RELOC.) OVER STA. 20 + 00

THE CLARKESON ENGINEERING CO., INC.
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS
SURVEYED BY: V.C.S. CHECKED BY: J.B.D.S. SCALE: AS NOTED
DRAWN BY: J.V.B. IN CHARGE: J.V.B. DATE: 6-19-66

PROJECT NO. I-89-2(1) SHEET 256 OF 307