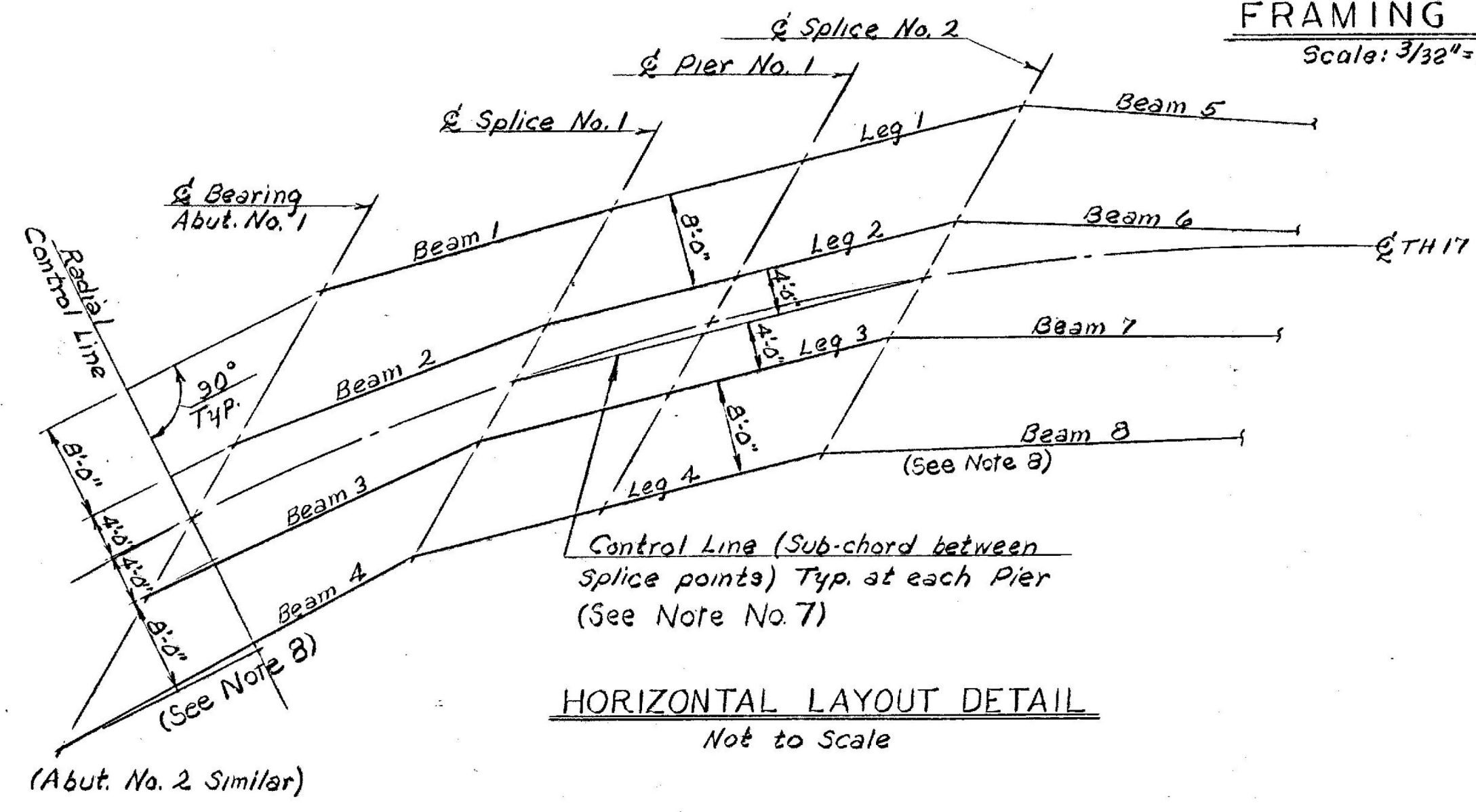


BEAM AND LEG LENGTHS*			
Beam 1	28'-11 1/4"	Legs 9-12	41'-0"
Beam 2	28'-11 3/4"	Beam 13	72'-10 3/8"
Beam 3	29'-0 3/16"	Beam 14	72'-11 9/16"
Beam 4	29'-0 1/16"	Beam 15	73'-0 7/16"
Legs 1-4	35'-0"	Beam 16	73'-1 3/8"
Beam 5	72'-10 3/8"	Legs 13-16	35'-0"
Beam 6	72'-11 1/2"	Beam 17	28'-11 9/16"
Beam 7	73'-0 9/16"	Beam 18	28'-11 13/16"
Beam 8	73'-1 5/8"	Beam 19	29'-0 3/16"
Legs 5-8	41'-0"	Beam 20	29'-0 9/16"
Beam 9	47'-10 3/4"		
Beam 10	47'-11 9/16"		
Beam 11	48'-0 3/8"		
Beam 12	48'-1 1/16"		

\* @ Top of Steel Frame

FRAMING PLAN  
Scale: 3/32" = 1'-0"



BEAM & LEG COORDINATES*					
Point	North	South	Point	North	South
101	3762.423	3949.430	151	3983.326	3935.676
102	3784.770	3956.133	152	3975.898	4002.165
103	3747.077	3962.837	153	3968.170	4008.454
104	3739.104	3969.540	154	3961.042	4015.144
111	3790.842	3974.898	231	4003.756	4000.415
112	3783.218	3961.599	232	3996.328	4006.904
113	3775.593	3968.220	233	3988.901	4013.394
114	3767.969	3974.881	234	3981.473	4019.884
211	3807.506	3958.155	161	4023.265	4004.941
212	3799.882	3964.816	162	4015.837	4011.430
213	3792.257	3971.477	163	4008.410	4017.919
214	3784.633	3978.138	164	4000.982	4024.409
121	3823.192	3961.612	171	4094.057	4022.276
122	3817.567	3968.273	172	4086.731	4028.677
123	3809.943	3974.934	173	4079.404	4035.078
124	3802.319	3981.595	174	4072.077	4041.479
131	3836.534	3976.137	241	4111.491	4026.677
132	3839.021	3983.001	242	4104.164	4033.079
133	3841.508	3989.865	243	4096.837	4039.480
134	3834.995	3996.728	244	4089.510	4045.881
221	3916.057	3980.618	181	4127.992	4030.844
222	3908.544	3987.279	182	4120.665	4037.245
223	3901.031	3993.940	183	4113.339	4043.646
224	3893.518	4000.601	184	4106.012	4050.047
141	3926.613	3983.081	191	4154.008	4038.153
142	3929.100	3990.165	192	4146.722	4044.554
143	3921.587	3997.249	193	4139.436	4050.955
144	3914.074	4004.333	194	4132.150	4057.356

NOTES

- For General Notes, see BR 1101.
- For Diaphragm Details, see Std. SCB-D7-67.
- For Pier Diaphragm Details, see BR 1108.
- All shop connections for Diaphragms shall be 5/16" fillet welds. All field connections shall be 7/8" φ high-strength bolts.
- Each Pier is defined as the intersection of a Frame Leg and top of steel frame.
- Frames are bent at each splice point.
- Legs between splice points are of equal length and are parallel to each other.
- Beams are of unequal lengths and are not parallel to each other.
- Lengths of end beams are measured from bearing at abutments to splice.
- Lengths of legs and intermediate beams are measured from splice to splice.
- Bearing lines at abutments, pier lines and splice lines are parallel to each other. Bearing lines at piers are not parallel to each other.

EXAMPLE SHEETS

Added Horizontal Layout Detail and Beam & Leg Coordinates Table, Revised Detail A.  
W. Tripp 10-29-69

VERMONT  
STATE HIGHWAY DEPARTMENT  
TOWN OF CASTLETON  
U.S. ROUTE 4

TH-17 RELOC. OVER U.S. RTE. 4 RELOC.  
SUPERSTRUCTURE DETAILS

McFARLAND-JOHNSON  
CONSULTING ENGINEERS  
BINGHAMTON, NEW YORK

DESIGNED WDS CHECKED REC DATE 7-12-68  
DRAWN RMG IN CHARGE HGC SCALE AS SHOWN  
PROJECT NO. FO20-(7) SH 49 OF 206

CASTLETON-RUTLAND  
BF MEMB (37)  
SHEET 13 OF 28  
BRIDGE NO. D11  
FOR REFERENCE ONLY

CONTRACT NO. BR. 1107