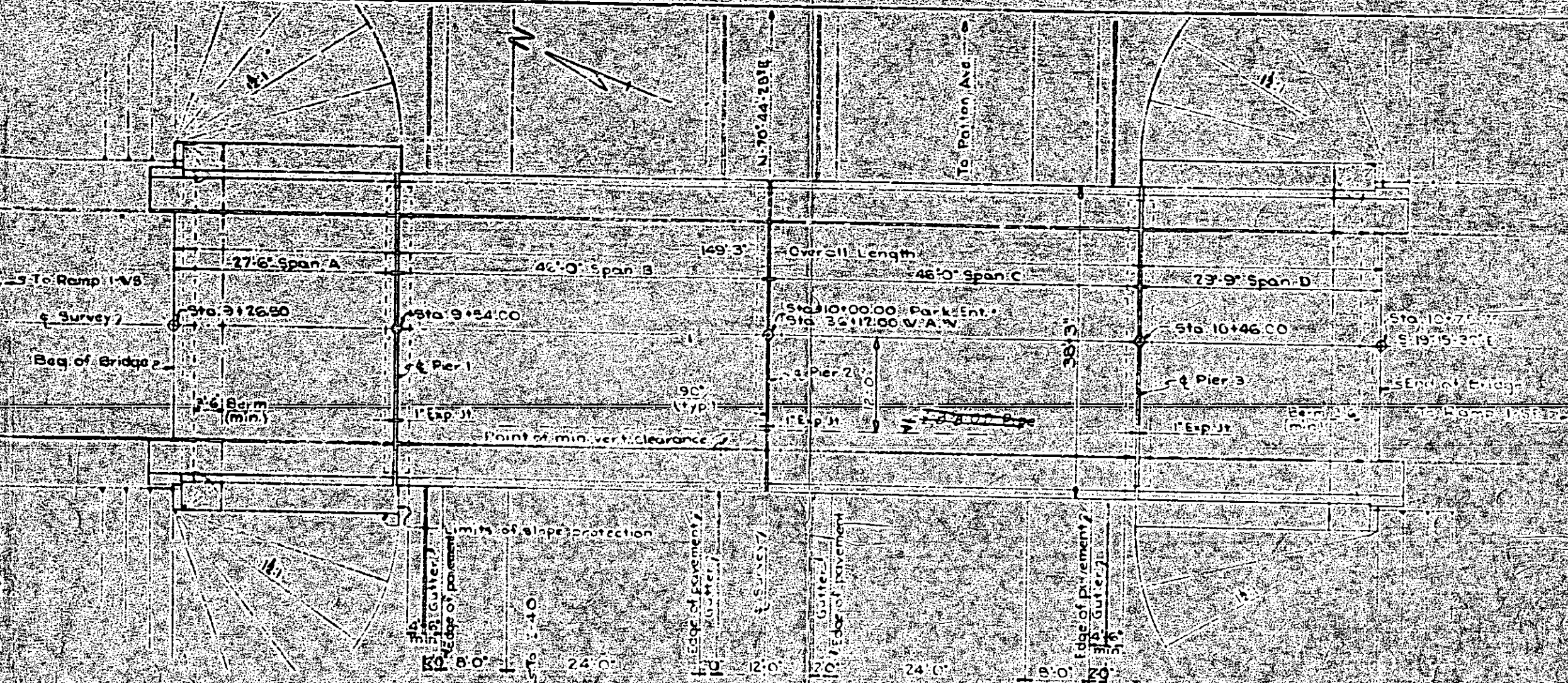


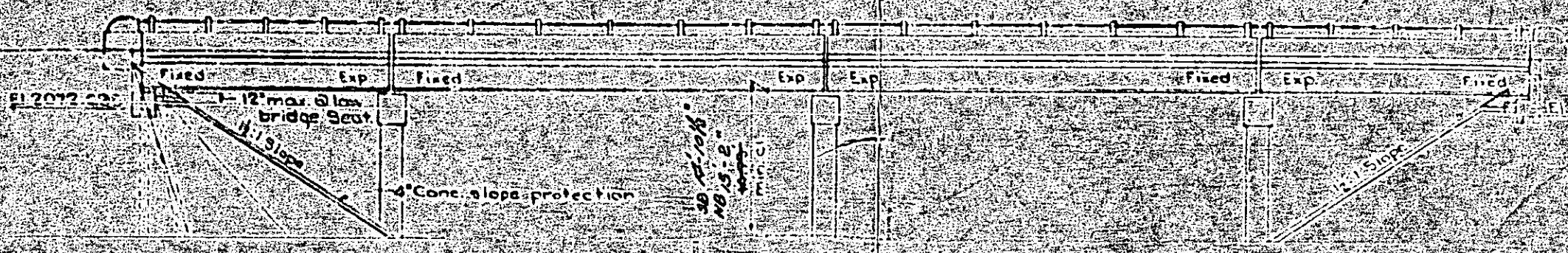


PLAN
(3 Simple Spans)
Scale: 1" = 10'

Approx. Ground Line along Survey

PI Station 10+00.00
10+20.00
200' V.C.
0.8% GRADE

191-94-70
Buncomb



GENERAL NOTES

Except as shown, notes on sheets apply to all sheets.

Specifications: Standard specifications for roads and structures, North Carolina State Highway Commission, Raleigh, North Carolina, 1934.

Design Load: HS 12-44 as specified in current specifications.

Design stresses: Reinforcing steel, 18,000 psi;
Structural steel, 20,000 psi;
Concrete, 3,000 psi;
Deck, 1,600 psi;
Other, 1,200 psi;
Shear, 90 psi, etc.

Foundation Loads: Computed foundation loads for Pier 1 are 3.5 tons per ft.

Notes: For details see Drawing entitled "General Approach Curbs and Home Plates".

References: For boring data, see Sheet 3-12.

Piling: Piling to be standard 12" x 12" steel pipe, as specified. Maximum capacity of pile load, 20 tons each. Piles shall be driven to a minimum bearing capacity of 20 tons per sq. ft. The contractor shall be responsible for determining length of piles required.

Work Scheduling: Work shall be started on Pier 1 12/13/34 in order that the roadway section may be extended.

Brick Excavation: Excavation shall be done in front of Pier 1 12/13/34 and shall be completed by the contractor. See Spec. Rev.

Surface Finish: Exposed surfaces to be given a Class 1 surface finish in accordance with the specifications.

Excavation: Unexcavated structure excavation for Pier 1 is to be included from the surface of the roadway cut.

ESTIMATE OF QUANTITIES

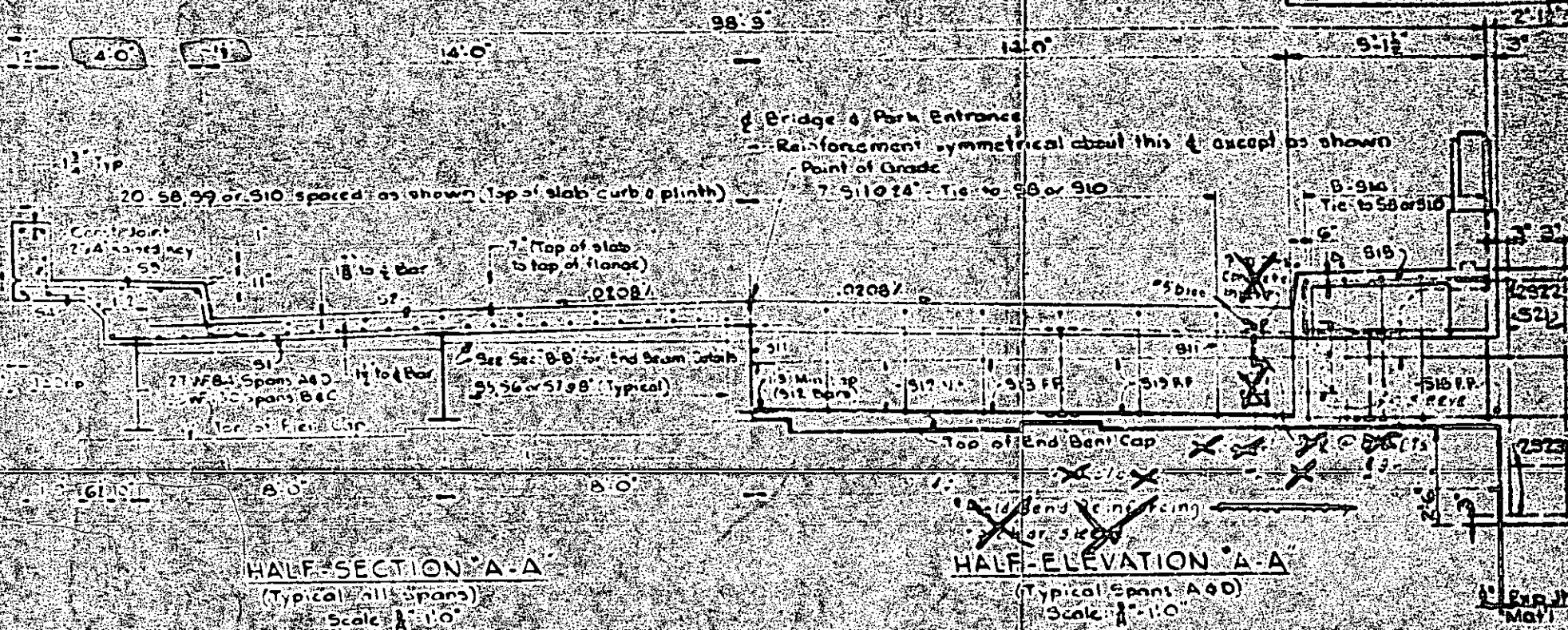
Quantities are based on the following assumptions:

83,866

1934

1934

FED. ROAD DIV. NO.	STATE	PROJECT
3	N.C.	2-517
A. PROJECT APU-34-141		



HALF-SECTION A-A

(Typical All Spans)

Scale 1/2" = 1'-0"

HALF-ELEVATION A-A

(Typical Spans A & D)

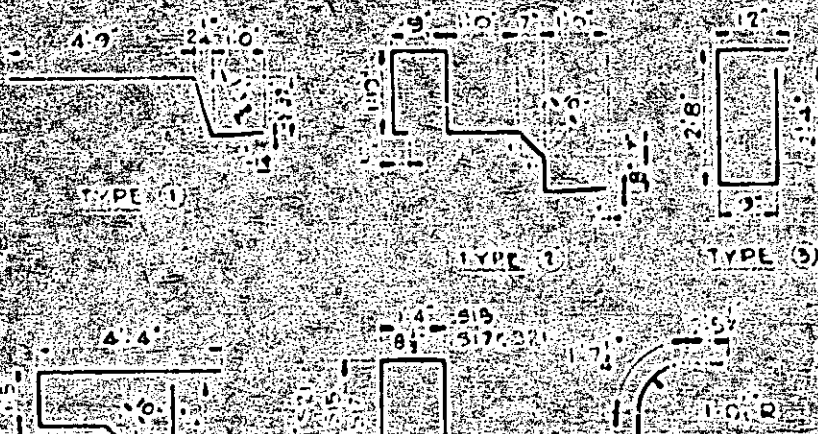
Scale 1/2" = 1'-0"

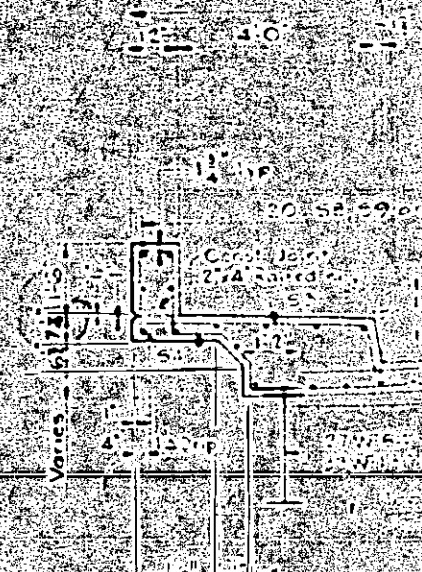
NOTE: B. DATED LINE DELETED / REVISED TO BE DONE
ENCASED / APPROVED BY J. A. HARRIS, STATE HIGHWAY
ADMINISTRATOR, DEPT. OF TRANSPORTATION, N.C., 1964
AS REQUESTED BY CITY OF DUMFRIES, MARCH 20, 1964
LETTER FROM MR. R. D. RUSSELL, PROJECT ENGINEER

Concrete inserts shall be of an approved type
and 5" thick. Sleeve is concrete inserts
to be furnished by the owner and placed by the Contractor.
Other details see Special Provisions.

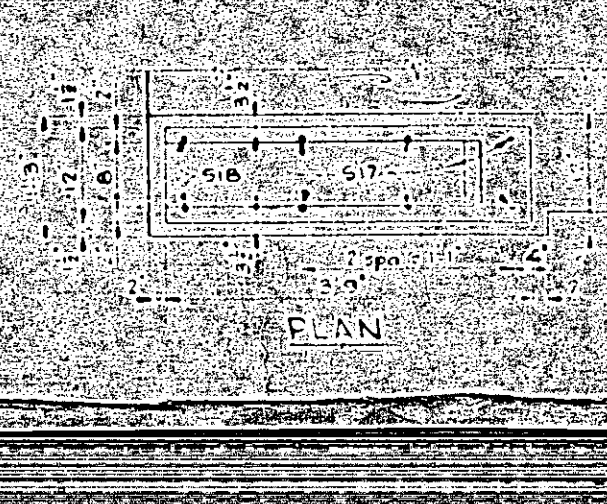
BILL OF REINFORCEMENT

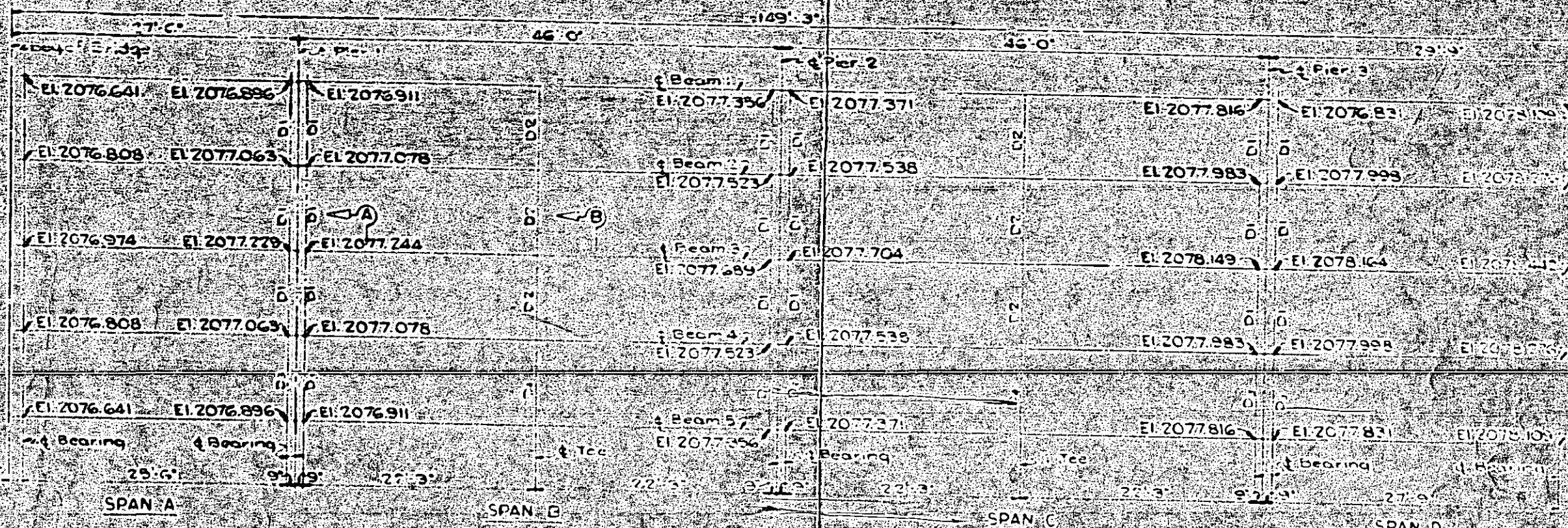
BAR	TYPE	SIZE	NUMBER			LENGTH		WEIGHT (43 pms)
			Span A	Sp. Bar C	Span D	Pt	In.	
51	51	5	55	91	59	93	5	10,917
52	51	5	55	91	69	91	4	2,679
53	51	4	96	62	38	7	1	997
54	51	4	96	62	38	8	4	1,102
55	51	5	44	-	-	27	2	1,247
56	51	5	-	44	-	45	8	4,191
57	51	5	-	-	44	29	9	1,950
58	51	4	49	-	-	27	2	708
59	51	4	-	78	-	29	6	2,449
60	51	4	-	-	29	29	9	766
61	51	4	13	-	19	0	9	117
62	51	4	1	-	4	22	0	118
63	51	6	8	-	8	7	8	184
64	51	4	10	-	10	14	10	198
65	51	4	10	-	10	11	4	181
66	51	6	4	-	4	5	0	60
67	51	4	6	-	6	9	3	74
68	51	4	4	-	4	7	4	39
69	51	4	9	-	0	3	10	41
70	51	4	4	-	4	9	0	19
71	51	4	4	-	4	12	3	68
72	51	4	4	-	4	3	0	16
73	51	4	8	-	8	1	9	19





NOTE: 8" N/A
1" CAT
3" QM/NIS
AS REQD





PLAN

Note: Elevations shown in "Plan" are top of beam at bearing.

Span	Length	Width
Span A	25'-6"	7'
Span B & C	44'-6"	7'
Span D	27'-9"	12'

BEAM DETAILS

No Scale

BEAM	SIZE	CAMBER
A1 A3	27W84	
A2 A4	22W84	
B1 B5	33W130	
B2 B4	33W130	
C1 C5	33W130	
C2 C4	33W130	
D1 D5	27W84	
D2 D4	27W84	

