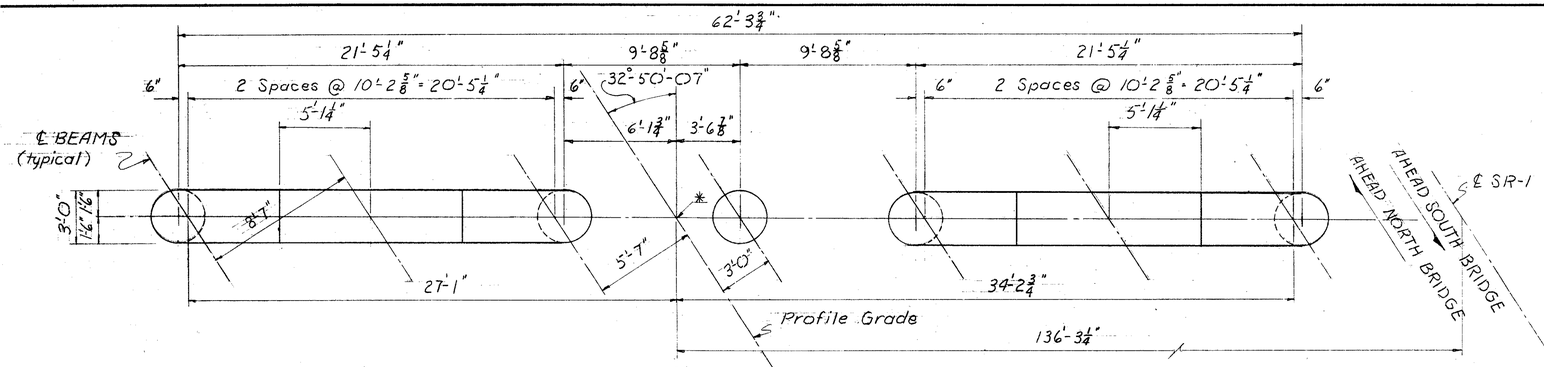
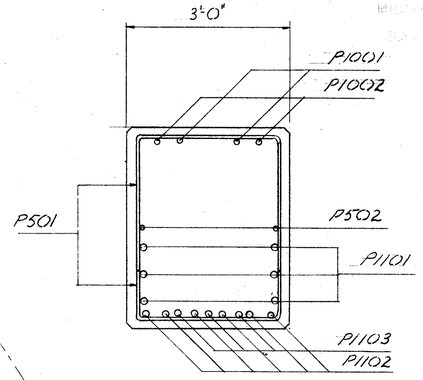
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

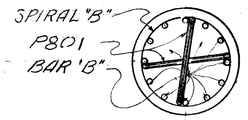
293
306

LAKE COUNTY
SEC. LAK-1-10.38

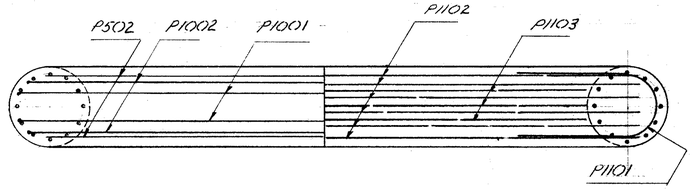




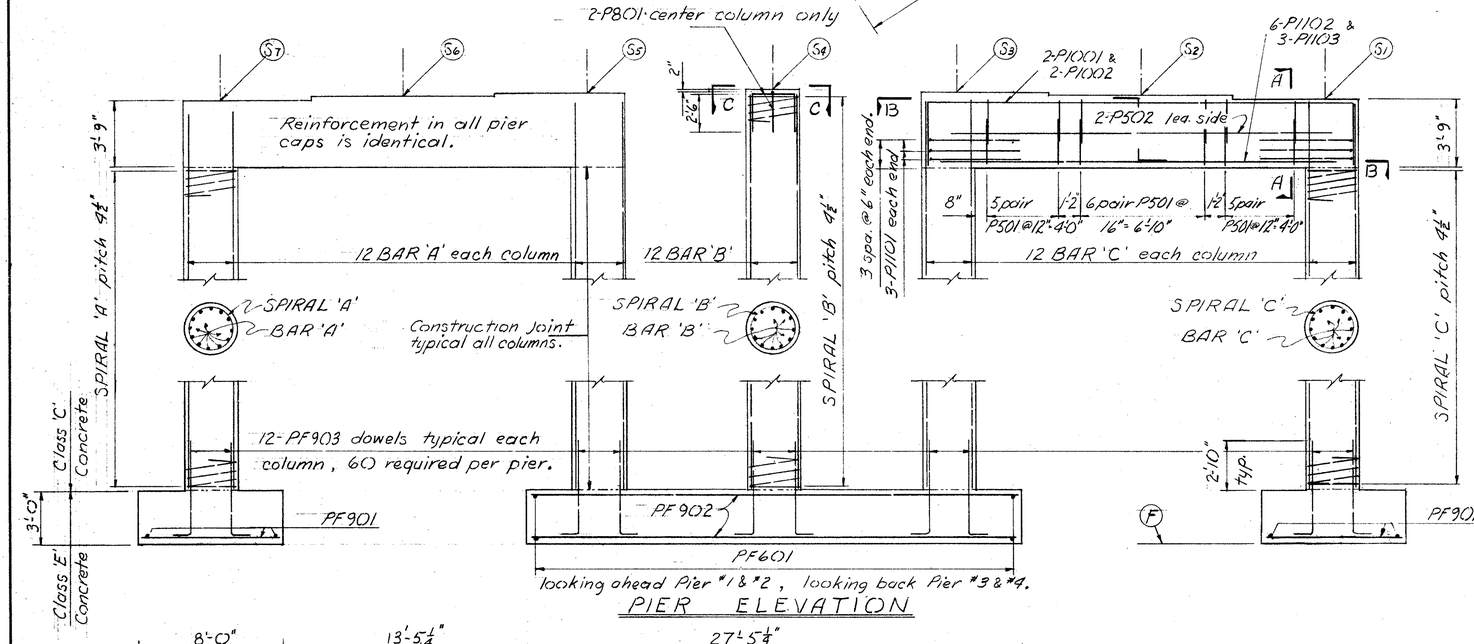
SECTION ~ A-A



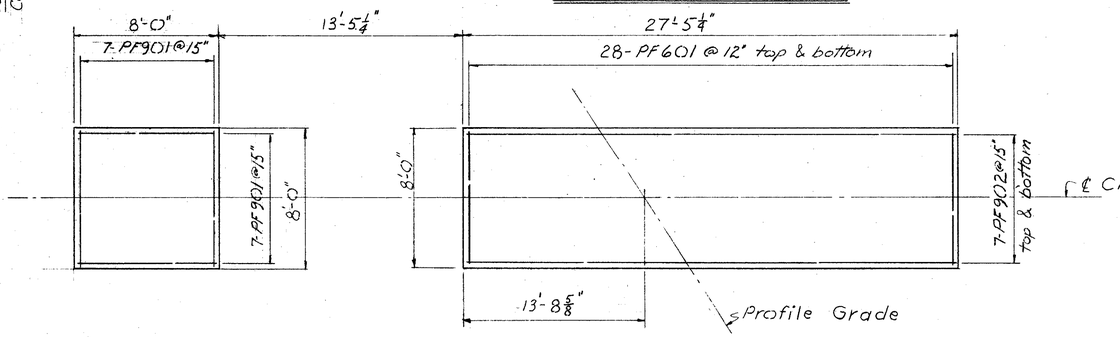
SECTION ~ C-C



SECTION ~ B-B

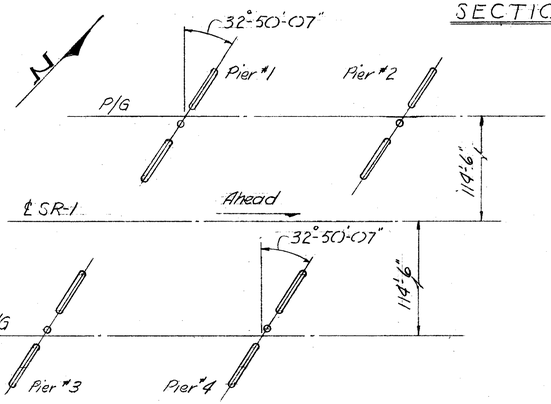


PIER ELEVATION



Reinforcement in footings is identical for each pier.

FOOTING PLAN



LOCATION PLAN

NOTES

Actual maximum bearing pressure equals 5 tons per sq. ft.

Footings shall extend a minimum of 3" into shale or to the elevation shown whichever is lower.

Reinforcing shall have 3" of cover in the footing and 2" elsewhere.

Special care shall be taken in placing the reinforcing steel in the caps so it does not interfere with the drilling of anchor bolt holes.

BAR LOCATION CHART

PIER	BAR A	BAR B	BAR C	SPIRAL A	SPIRAL B	SPIRAL C
#1	P901	P902	P903	SP401	SP402	SP403
#2	P904	P903	P901	SP404	SP403a	SP401
#3	P905	P905	P906	SP405	SP405a	SP406
#4	P906	P906	P907	SP406	SP406a	SP407

PIER	STATION *	ELEVATIONS S1	S2	S3	S4	S5	S6	S7	F
#1	319+09.54	838.97	839.06	839.15	839.25	839.16	838.99	838.82	816.50
#2	319+69.54	838.63	838.72	838.82	838.93	838.85	838.67	838.52	816.50
#3	317+61.76	839.92	840.12	840.31	840.48	840.50	840.43	840.36	808.00
#4	318+21.76	839.97	839.64	839.82	840.01	840.02	839.93	839.85	808.00

SEC. C-31A

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR
STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

PIERS
BRIDGE NO. LAK-1-1271 N&S
S.R.1 OVER HERMITAGE ROAD
LAKE COUNTY
STA. 318+65.65

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
H.M.	DRT				