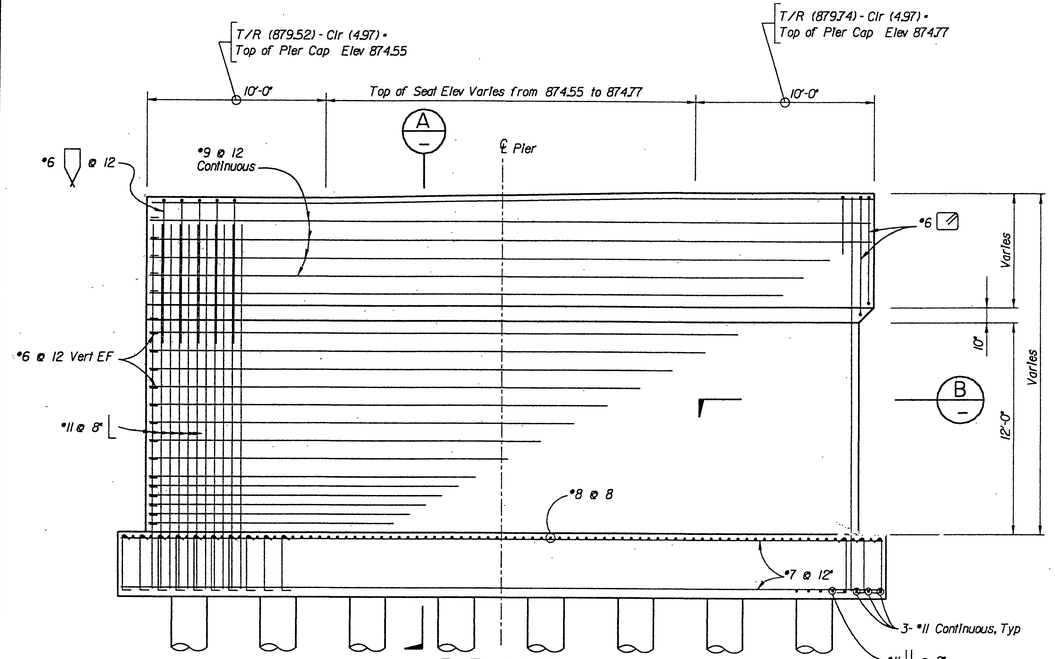
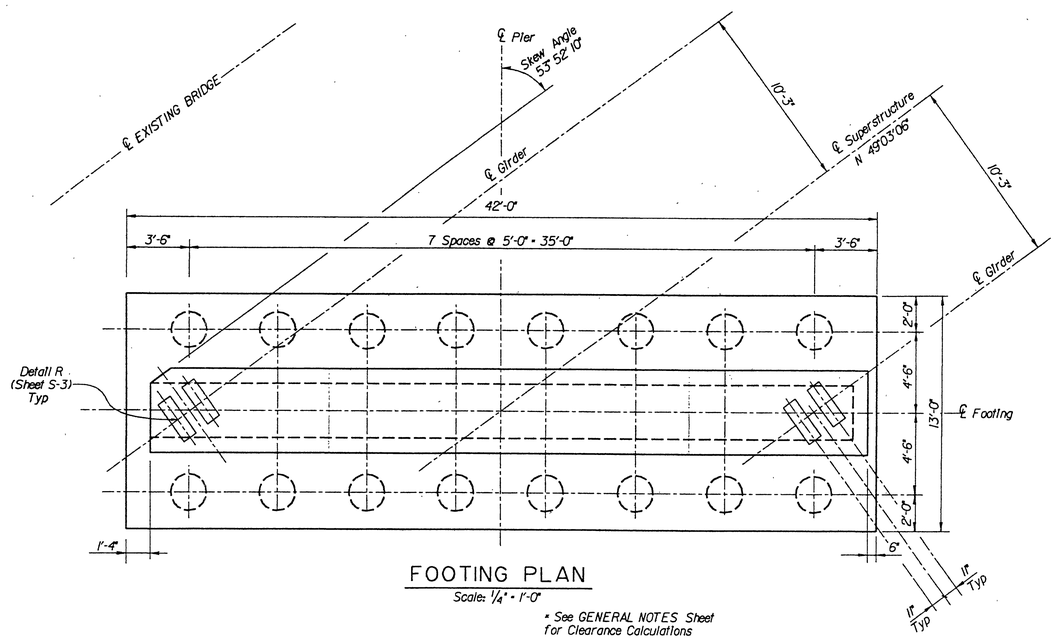
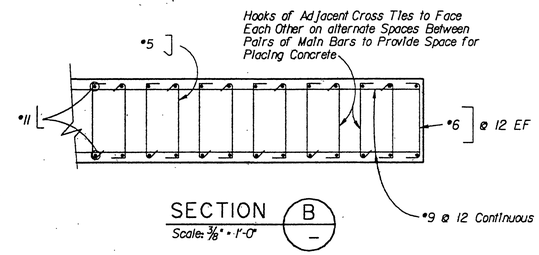


ELEVATION
Scale: 1/4" = 1'-0"
(VIEW LOOKING NORTH)

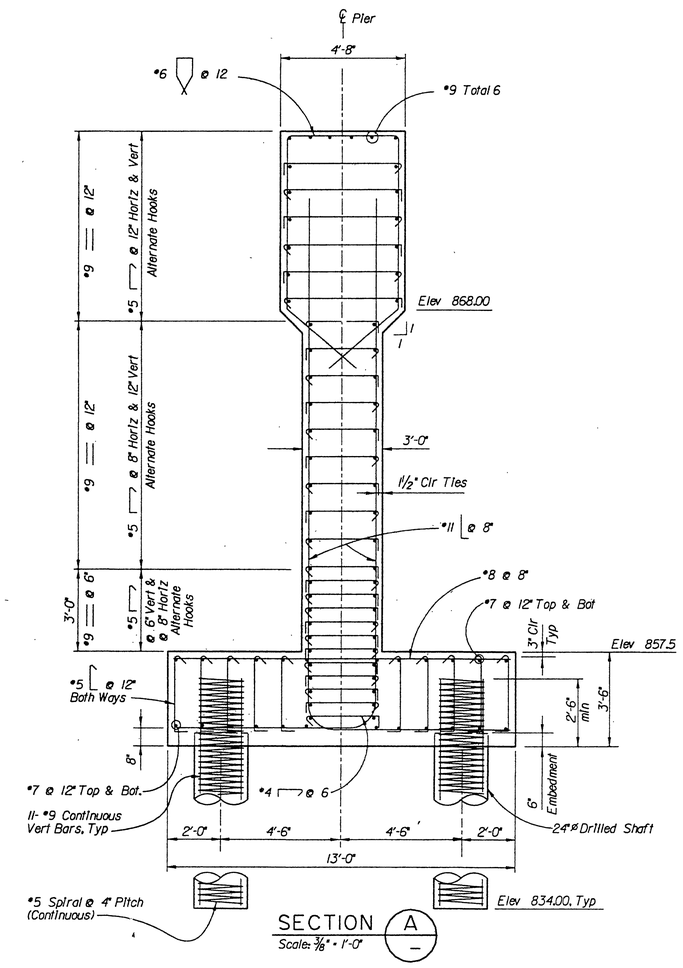


FOOTING PLAN
Scale: 1/4" = 1'-0"

* See GENERAL NOTES Sheet for Clearance Calculations



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



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

FOR INFORMATION ONLY					
ITEM : PIER WALL					
QTY	BAR SIZE (#)	BAR TYPE	BAR LENGTH (FT - IN)	BAR UNIT WEIGHT (LB / LF)	TOTAL WEIGHT (LB)
40	6	×	29'-0"	1.502	1742
246	5		5'-2¾"	1.043	1342
760	5		3'-6¾"	1.043	2824
430	5		4'-1¾"	1.043	1859
2	5		23'-0"	1.043	48
20	9	ST - H	39'-8"	3.40	2697
36	9	ST - H	38'-11"	3.40	4763
12	7	ST-H-FT	41'-8"	2.044	1022
12	7	ST-H-FB	41'-8"	2.044	1022
120	11	(NL)	26'-0"	5.31	16567
64	8	ST-H-FT-NL	12'-8"	2.67	2164
14	6		6'-8"	1.502	140
26	6		3'-10"	1.502	150
TOTAL					36340

× ST= STRAIGHT BAR
H = HORIZONTAL BAR
V = VERTICAL BAR
FT = FOOTING TOP BARS
FB = FOOTING BOTTOM BARS
NL = NO LAP SPLICE PERMITTED

Concrete = 164 CY
Structural Excavation = 160 CY
Structural Backfill = 76 CY

FOR INFORMATION ONLY					
ITEM : 24" DRILLED SHAFTS					
QTY	BAR TYPE (#)	BAR TYPE ×	BAR LENGTH (FT - IN)	BAR UNIT WEIGHT (LB / LF)	TOTAL WEIGHT (LB)
11	9	ST-V-NL	23'-0"	3.40	785
1	5	S	359'-0"	1.043	374
TOTAL FOR EACH DRILLED SHAFT					1159
TOTAL FOR 16 DRILLED SHAFTS					18544

× ST= STRAIGHT BAR CONTINUOUS
V = VERTICAL BAR
S = #5 CONTINUOUS SPIRAL AT 4" PITCH (D = 20" OUT-TO-OUT)
NL = NO LAP SPLICE PERMITTED

Concrete = 5.31 CY each

AS BUILT DRAWINGS

For Reduced Plans
Original Scale Is In Inches
0 1" 2" 3"

Issue No.	Description	Date	Drwn.	Chkd.	Resp. Engr.	Proj. Mgr.

HDR
HDR Engineering, Inc.

Approved By
6-22-94

Designed By	TDL
Drawn By	PZ
Checked By	HS
Approved By	JMJ
Date	07-15-1994

ATCHISON, TOPEKA & SANTA FE RAILWAY COMPANY

CENTRAL AVENUE UNDERPASS
PIER DETAILS
R-3595

Scale	Project No.	Drawing No.	Sheet
AS NOTED	06791	S-7	7 of 18

FILE: c:\06791\016\centra07.dgn
DATE: 4-Aug-94 09:48

INDEXED 8-8-2000 LFH