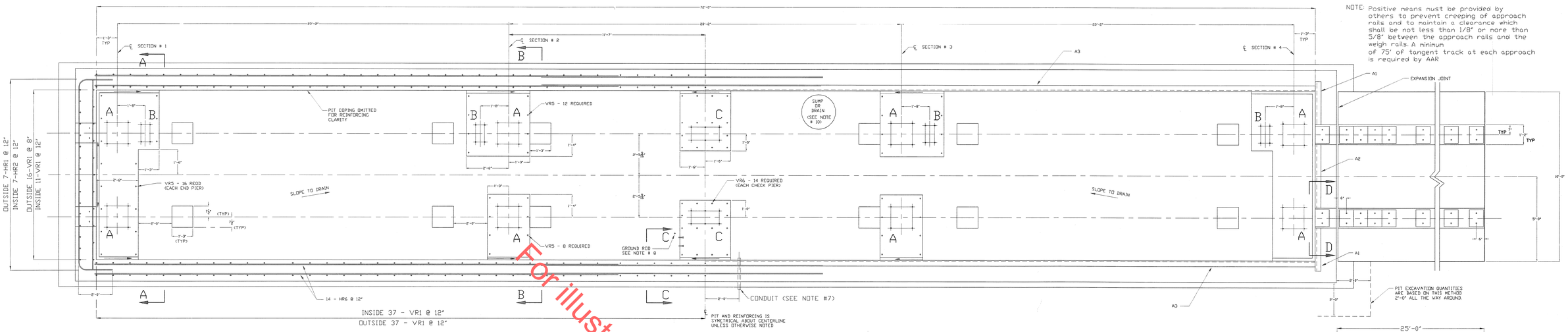
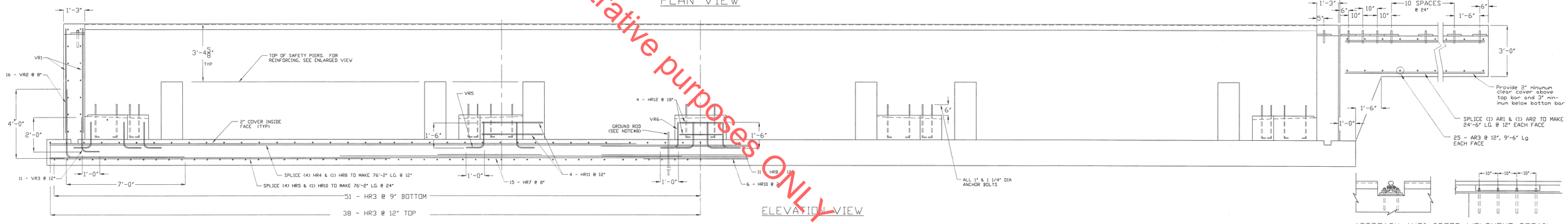


PLAN VIEW

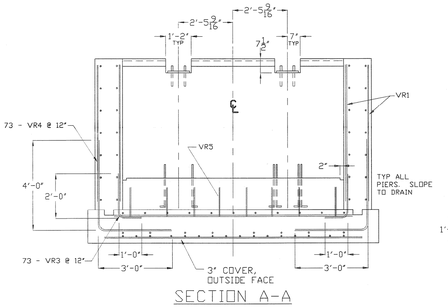


ELEVATION VIEW

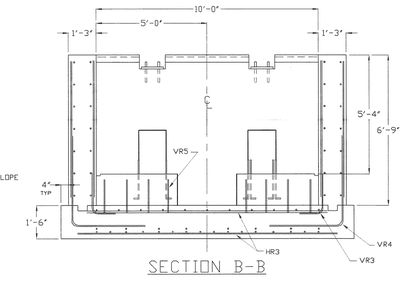
APPROACH ANTI-CREEP WELDMENT DETAIL

FOR ADDITIONAL PLACEMENT INFO. REFER TO DWG. #D140279 sheet 1 of 2

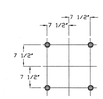
NOTE: POSITIVE MEANS MUST BE PROVIDED BY RAIL INSTALLATION CONTRACTOR TO PREVENT CREEPING OF APPROACH RAILS AND MAINTAIN A CLEARANCE WHICH SHALL BE NOT LESS THAN 1/8" OR MORE THAN 5/8" BETWEEN THE APPROACH RAILS AND THE SCALE RAILS
ANTI-CREEP DEVICES AND HARDWARE TO BE SUPPLIED BY OTHERS.

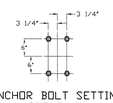


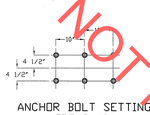
SECTION A-A

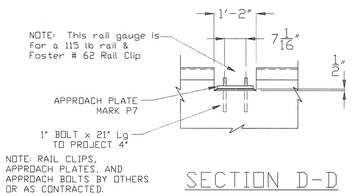


SECTION B-B



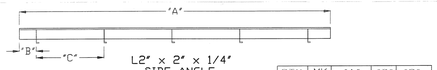




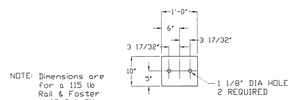


NOTE: RAIL CLIPS, APPROACH PLATES, AND APPROACH BOLTS BY OTHERS OR AS CONTRACTED.

SECTION D-D

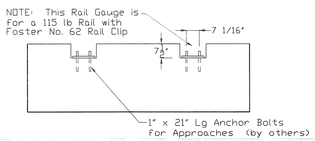


QTY	MK	"A"	"B"	"C"
12	A3	12'-0"	6"	3'-8"



1" x 10" x 12" PLATE
64 REQUIRED, MARK P7
(SUPPLIED BY OTHERS)

SUGGESTED REINFORCING OF SAFETY PIER



APPROACH END VIEW

FOUNDATION STEEL BY FAIRBANKS			
QTY	MARK	DESCRIPTION	WEIGHT
4	A1	PIT COPING	48
2	A2	PIT COPING	41
12	A3	PIT COPING	468
40		1" X 21" ANCHOR BOLT W/ 6" THREADS	153
28		1 1/4" X 21" ANCHOR BOLT W/ 6" THREADS	213
2		1/2" X 6" HEX HD. BOLT W/NUT	1
64		1" HEX NUT	18
56		1 1/4" HEX NUT	31
64		1" WASHER	10
56		1 1/4" WASHER	12
2		1/2" WASHER	1
			1149

PIT REINFORCING STEEL SCHEDULE - BY OTHERS					
MARK	REQ'D	SIZE	LENGTH	BENDING	WEIGHT
VR1	346	#4	6'-0"		1384
VR2	32	#8	11'-0"	7'-0" | 4'-0"	940
VR3	168	#4	3'-0"	2'-0" | 12"	336
VR4	146	#6	7'-0"	3'-0" | 4'-0"	1534
VR5	72	#6	2'-6"	18" | 12"	270
VR6	28	#8	2'-6"	18" | 12"	187
VR7	4	#5	4'-0"		200
HR1	14	#4	15'-0"	2'-0" | 11'-0" | 2'-0"	140
HR2	14	#4	11'-0"		103
HR3	176	#8	11'-6"		3040
HR4	44	#6	20'-0"		918
HR5	24	#6	20'-0"		721
HR6	112	#4	20'-0"		1496
HR7	30	#8	6'-0"		481
HR8	11	#5	8'-0"		92
HR9	48	#4	4'-8"	SEE SAFETY PIER REINFORCING	150
HR10	6	#6	6'-8"		61
HR11	16	#5	3'-6"		58
HR12	8	#5	2'-6"		21
APPROACHES					
AR1	40	#6	20'-0"		1202
AR2	40	#6	7'-0"		421
AR3	100	#6	9'-6"		1427
				TOTAL	15182

FOUNDATION	
DESCRIPTION	QUANTITY
EST. EXCAVATION FOR PIT	437 CU. YD.
EST. CONCRETE FOR PIT	118 CU. YD.
EST. CONCRETE FOR APPROACH	58 CU. YD.

PIER LOADING		
LOCATION	DIRECTION	LOAD
GROUP "A" (LOAD CELL)	VERTICAL	190,000 LBS.
GROUP "B" (CHECKING)	LATERAL	20,000 LBS.
GROUP "C" (CHECKING)	LONGITUDINAL	36,000 LBS.

GENERAL NOTES

1. All concrete shall have a minumum compressive strength of 3000 PSI at 28 days.
2. Reinforced pit as indicated is designed for a minumum soil bearing capacity of 4000 P.S.F. as specified by AAR. Careful soil exploration, including borings, is always desirable, reference Paragraph 2.2219, AAR scale hand book specifications (Applies if the scale must meet AAR requirements).
3. The pit contractor or customer may elect to revise the reinforcing to suit local requirements.
4. Sufficient drainage shall be provide by others to prevent moisture accumulations in the pit.
5. Work from centerlines when erecting forms and setting anchor bolts. Top of the piers must be smooth, level, and true to plane. Pour piers monolithic with walls.
6. For cable entrance into the pit, 2" steel conduit shall be provided through the pit wall at a minum of 12" above the pit floor.
7. IF A.C. power is required in the pit, it shall not run closer than 24" in parallel to any cell cable. A 1" conduit shall be provided through the pit wall for such entrance.
8. For ground rod, see Fairbanks Manual 50584
9. Fairbanks Scales cannot be responsible for the solidity of the pit, foundation, or footing. The responsibility for the pit is assumed by the pit builder or as contracted.
10. The pit floor shall be pitched to a common point for drainage and shall be smooth and free of pockets in which water may stand. If the pit floor is below subsurface water level, the pit shall be drained from its lowest point into a sump adequately equipped with automatic means for removal of water as it collects.

Some states have special requirments for construction details. Owner or contractor should consult with local Weights and Measures officals prior to begining construction.

LET	BY	DATE	REVISION
A	ARP	4/95	REDRAWN ON CAD
B	REC	2/02/98	CHANGED SHEET NUMBER, WAS 2 OF 3
C	SLS	8/28/98	REVISED REBAR SPACING
D	SB	3/10/00	REVISED FOUNDATION EXCAVATION
E	REC	4/3/06	ADDED CONDUIT LOCATION DIM.
F	JHG	6/2/06	CORRECTED DETAIL OF SIDE ANGLE.

Unless otherwise specified dimensions are in inches. Tolerances: Fractions: ±1/8" Angles: 1° 2 place decimals: ± 3 place decimals: ± Hole diameter: ±1/32"

MATERIAL | FINISH

FAIRBANKS SCALES

Meridian, Mississippi

FULL ELECTRONIC COMBINATION RRT/MTS FOUNDATION DRAWING
72'-0" x 10'-0" 6" CONCRETE DECK
180 TONS PER SECT. 4 - SECTION
360 TONS GROSS CAPACITY AAR

date	2-25-81
material	
scale	N/A in per ft.
sheet	Two of Two
drawn by	RCB
checked by	
approved by	

MODEL E-12-1495

D140279