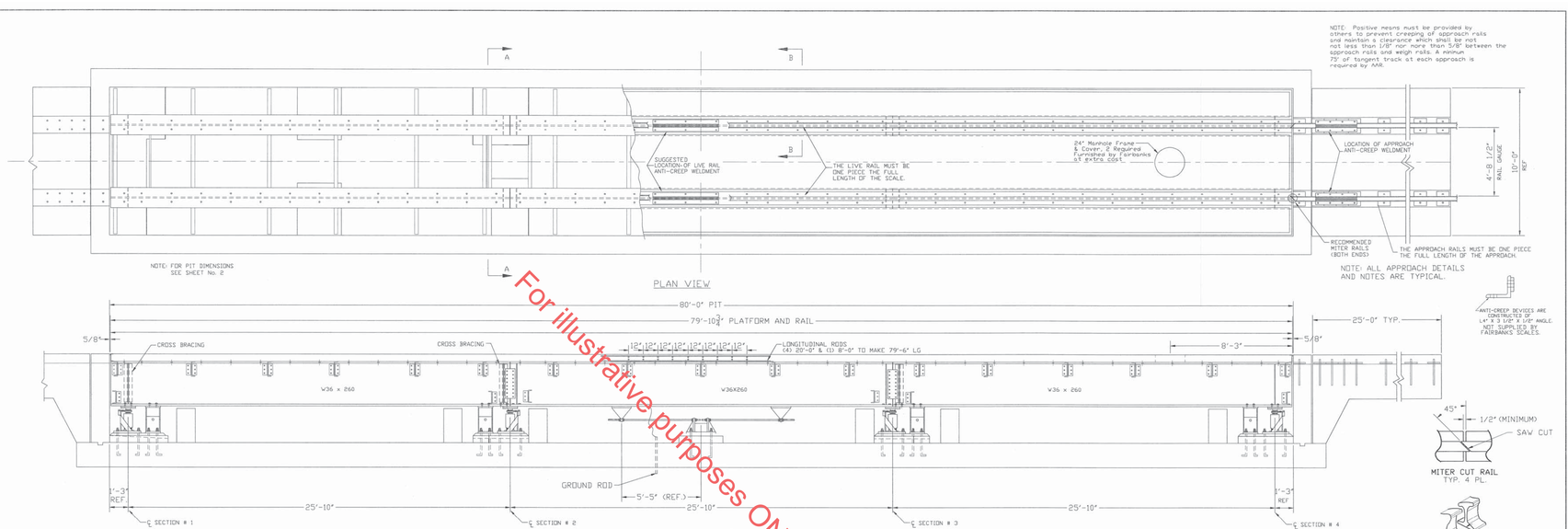
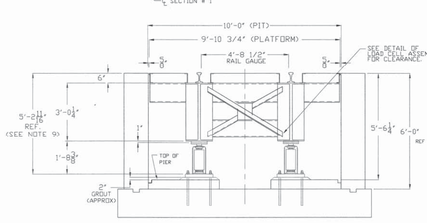
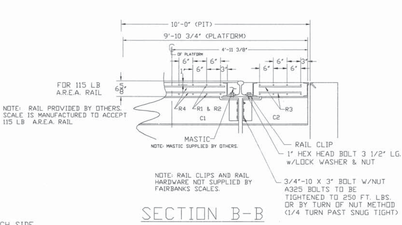


For illustrative purposes ONLY – NOT for construction



SECTION A-A



NOTE: RAIL PROVIDED BY OTHERS. SCALE IS MANUFACTURED TO ACCEPT 115 LB A.R.E.A. RAIL

NOTE: RAIL CLIPS AND RAIL HARDWARE NOT SUPPLIED BY FAIRBANKS SCALES.

SECTION B-B

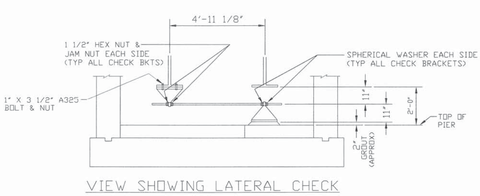
DECK REINFORCING				
MARK	QTY.	SIZE	DESCRIPTION	WT.
R1	128	#4	20'-0"	1710
R2	32	#4	8'-0"	171
R3	320	#4	1'-9"	374
R4	160	#4	3'-0"	383
			TOTAL	2,638
REBAR BUNDLE # 79473				

GENERAL NOTES

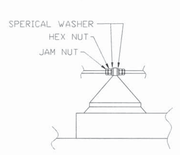
1. IF A.C. power is required in the pit, it shall not run closer than 24" parallel to any load cell cable.
2. For grounding electrical hook-up, refer to Fairbanks Manual 50584.
3. Material and workmanship for steel shall be in accordance with the latest issue of AISC Specifications and codes of standard prctice, ASTM designation A36, latest issue for steel.
4. All bolted connections (shop or field) shall consist of high-strength bolts conforming to the latest ASTM specifications (A-325) and installed according to manufacturers' recommendations. Use the turn-of-the-nut method or torque figures given in Fairbanks handbook 50538.
5. FINISH: All structural steel shall have one shop prime coat. Areas around field welded connections shall not be painted. Immediately following the connecting of the members, the heads, nuts, and washers of all permanent bolts, all field welds after removal of residual flux, all abrasions of the shop prime coat, and all field erection marks shall be thoroughly covered with one coat of primer.
6. To avoid damage to load cells during welding, it is recommended that the weighbridge be temporarily erected on blocks or dummy load cells.
7. Load cell base plates shall be level within 1/32" per foot. Load cell base plates shall not be grouted before the weighbridge is adjusted to final elevation.
8. The lateral and longitudinal check rods must be level within .002" per foot.
9. Set the base plate to the dimension shown and level using the leveling screws provided. Do not grout under base plates until after weighbridge is set so that the base plate can be adjusted up or down to establish final scale elevation.
10. All grout shall be non-shrink type Sealtight 588 or equal. Grout is to be put in place and finished per the manufacturers' recommendations.
11. Load cell top bearing plates shall be level within 1/32". If shims are required, they must provide full support between the bearing plate and the main beam.
12. Note: If welding is done in the pit after the installation has been completed with the load cells in place, all load cells must be disconnected and the leads prevented fron grounding.
13. All load cell mounting hardware and check rod nuts are to be grease coated.
14. Reference - Installation and Maintenance Handbook 50538.
15. Bituminous mastic around rails to be continous from the approach slab to the approach slab ends, except at rail cuts to allow for movement.

DECK
EST. CONCRETE FOR DECK: 13 CU. YDS.

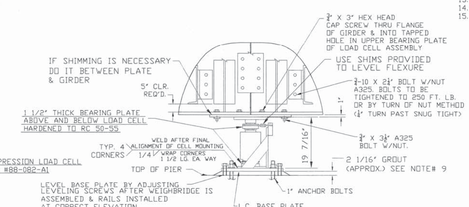
DECK SLAB DESIGNED TO ACCEPT ANY HIGHWAY VEHICLE NOT REQUIRING SPECIAL PERMIT FOR OVERWEIGHT OR OVERWIDTH. CONCRETE TO ATTAIN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.



VIEW SHOWING LATERAL CHECK
TYP. AT EACH SECTION



LATERAL CHECKING DETAIL
TYP. ON EACH SIDE OF ALL CHECK BRACKETS FOUNDATION MOUNTED OR BRIDGE MOUNTED.



DETAIL OF 200K LB. LOAD CELL ASSEMBLY
REF. PART NO. 3-48163-1

LET	BY	DATE	REVISION
			MADE FROM D145279-72, 1 OF 2

FAIRBANKS SCALES
Meridian, Mississippi

PROJECT
FULL ELECTRONIC COMBINATION RRT/MTS SETTING PLAN
80'-0" x 10'-0" 6" CONCRETE DECK
180 TONS PER SECT. 4 – SECTION
360 TONS GROSS CAPACITY AAR

DATE 9/19/05 | DRAWING
SCALE N/A (none in per.) | SHEET One of Two
drawn by CB | MODEL #E12-1496
traced by | D99179-SP
checked by
approved by
MATERIAL | FINISH

The material and information contained herein is confidential and the property of Fairbanks Scales and is not to be used, disclosed, copied, or reproduced in any manner without the prior written permission of Fairbanks.

Unless otherwise specified dimensions are in inches, tolerances are as follows: 1 place decimal ± .1 2 place decimal ± .01 Fractional ± 1/32"