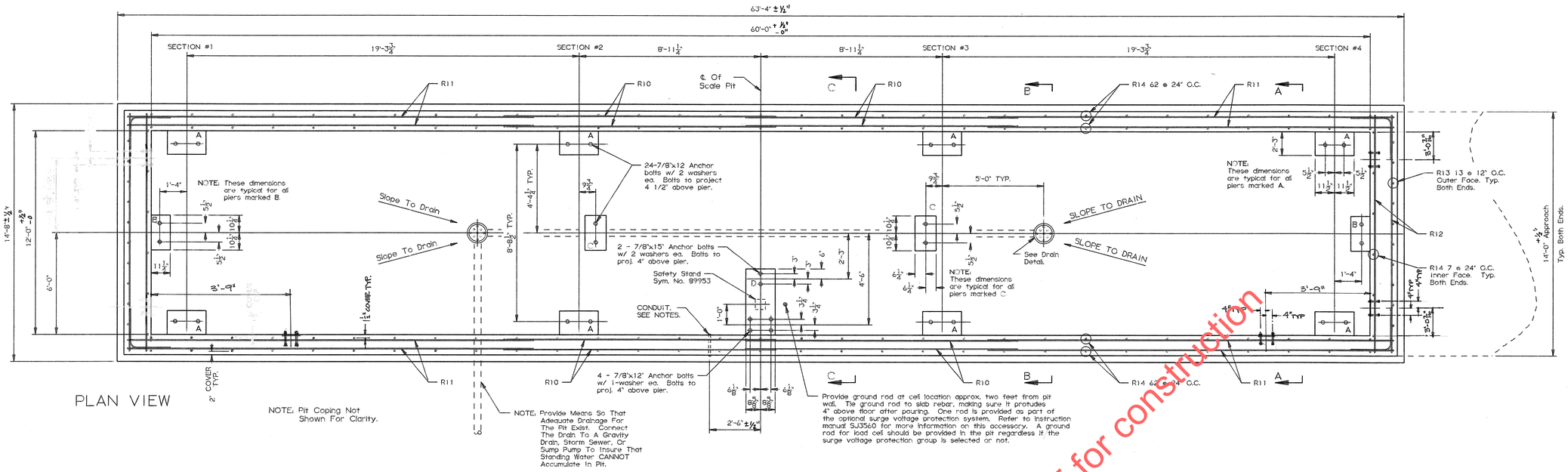
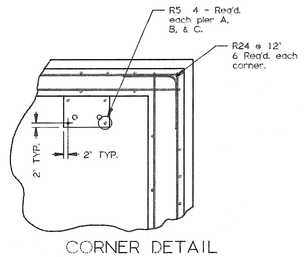
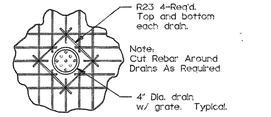


PLAN VIEW

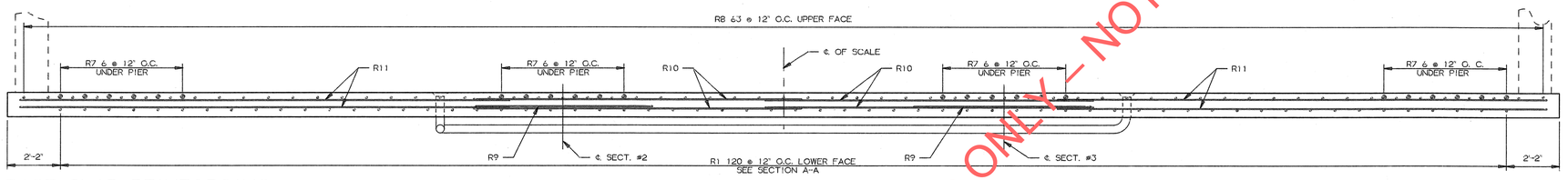
NOTE: Pit Coping Not Shown For Clarity.



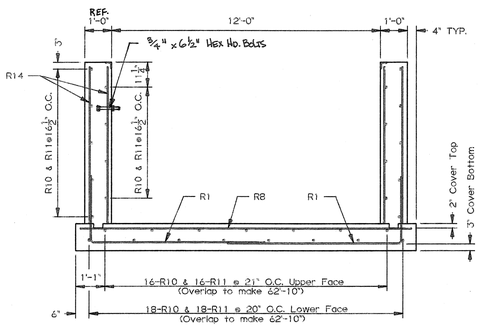
CORNER DETAIL



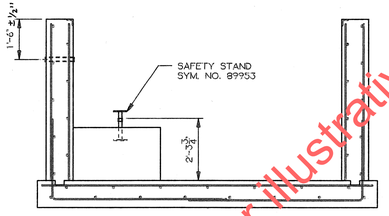
DRAIN DETAIL



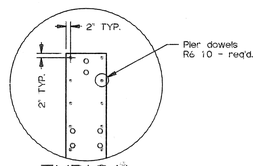
BASE SLAB REINFORCING



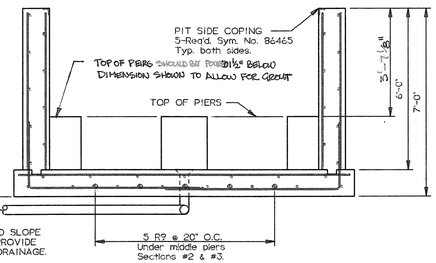
SECTION A-A



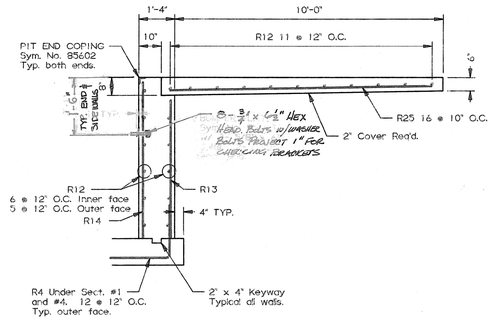
SECTION C-C



TYPICAL PIER D



SECTION B-B



APPROACH AND END WALL

GENERAL NOTES

- Pit reinforcing steel and concrete is to be furnished by contractor or customer.
- Reinforcing bars are to equal ASTM A615, Grade 40 . Bend bars cold to conform with required details. Remove scale, loose flaky rust, dirt, and other coating that would impair bonding. Space bars properly and tie securely in position before placing concrete. Tack welding to keep reinforcing in place is NOT permitted.
- Refer to SJ manual 3884 for more detailed instructions on pit construction recommendations.
- Work from centerlines when erecting forms and placing foundation bolts. Place bolts to within ±1/8" of positions indicted on drawing. (Bolts must be placed within ±1/8" of total dimensions from centerline of scale or transverse lever.)
- For lever arrangement, see drawing D138467. For structural steel descriptions, see D138467.
- Clearance dimension from main girder to pit floor is a minimum of 48".
- Arrange forms to pour piers monolithic with side and end walls if required by local Weights And Measures. For local requirements, contact nearest Fairbanks Weighing Division office.
- 1500 P.S.F. minimum soil bearing capacity is required. The design is adequate for a highway surcharge of 300 P.S.F. adjacent to pit walls.
- Use this drawing together with the general arrangement drawing prepared for Model No. 14-6334 with levetronic transverse lever and certified for scale being installed.
- Concrete to be a minimum of 3,500 P.S.I. @ 28 days.
- Suitable conduit for low voltage conductor shielded cable must pass thru pit walls at any point above pier tops that is convenient. Conduit must extend beyond pit wall a minimum of 2'. For runs of conduit up to 50'-0" in length, use 3/4" conduit. Avoid running cable in close proximity to high voltage lines. Provide #10 copper ground lead at instrument location. Connect to 10'-0" copper-clad ground rod driven in moist earth. If AC is required in pit, it shall not run closer than 24" in parallel to any cell cable. When welding in pit, load cells must be disconnected and leads taped to prevent them from touching each other and from grounding.

REINFORCING BAR SCHEDULE

SYM. NO.	QTY.	SIZE	LENGTH	BENDING	WEIGHT
R1	120	#4	9'-6"	2'-0" L 7'-6"	762
R4	24	#4	8'-0"	2'-0" L 6'-0"	128
R5	48	#4	2'-6"	2'-6"	83
R6	10	#4	3'-4"	5" L 2'-6" ⌐ 5"	22
R7	24	#5	14'-4"	14'-4"	359
R8	63	#4	14'-4"	14'-4"	603
R9	10	#4	7'-3"	7'-3"	48
R10	70	#4	13'-5"	13'-5"	627
R11	70	#4	20'-0"	20'-0"	935
R12	44	#4	13'-8"	13'-8"	402
R13	26	#4	5'-2"	5'-2"	90
R14	138	#4	3'-10"	3'-10"	538
R23	16	#4	2'-0"	2'-0"	21
R24	24	#4	4'-0"	2'-0" 2'-0"	64
R25	32	#4	10'-0"	10'-0"	214
				TOTAL	4896

APPROX. EXCAVATION QUANTITY = 311 Cu. Yds. (Based On 2'-0" Clearance Around Pit.)

APPROX. CONCRETE REQ'D.

Slab	35 Cu. Yds.
Walls & Piers	37 Cu. Yds.
Approaches	7 Cu. Yds.
TOTAL	79 Cu. Yds.

LET	BY	DATE	REVISION
A	RLW	11/89	Number Check To Ridge Check

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Unless otherwise specified, dimensions are in inches, tolerances: fractions ± 1/8", angles ±, 3 place decimals ±, 2 place decimals ±

MATERIAL | FINISH

Fairbanks Weighing Division

name: REINFORCED PIT TYPE 'S' MOTOR TRUCK SCALE 4-SECTION 60'x12' CAP 50 TON 25 TPS LEVETRONIC TRANS LEVER

date: 11-15-89 | material:

scale: n\a in. per ft. | sheet: one of one

drawn by: RLW

traced by:

checked by:

approved by:

MODEL NO. 14-6334

D14-6334A0-L1

For illustrative purposes ONLY – NOT for construction