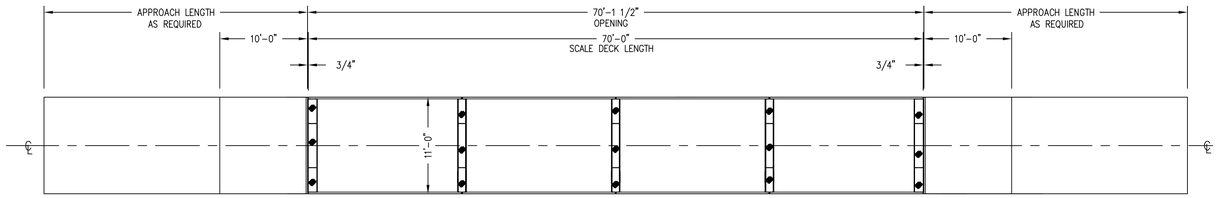
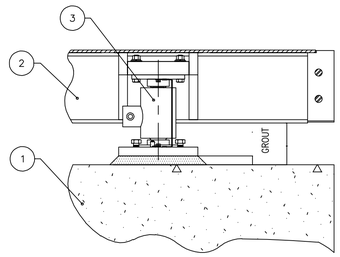
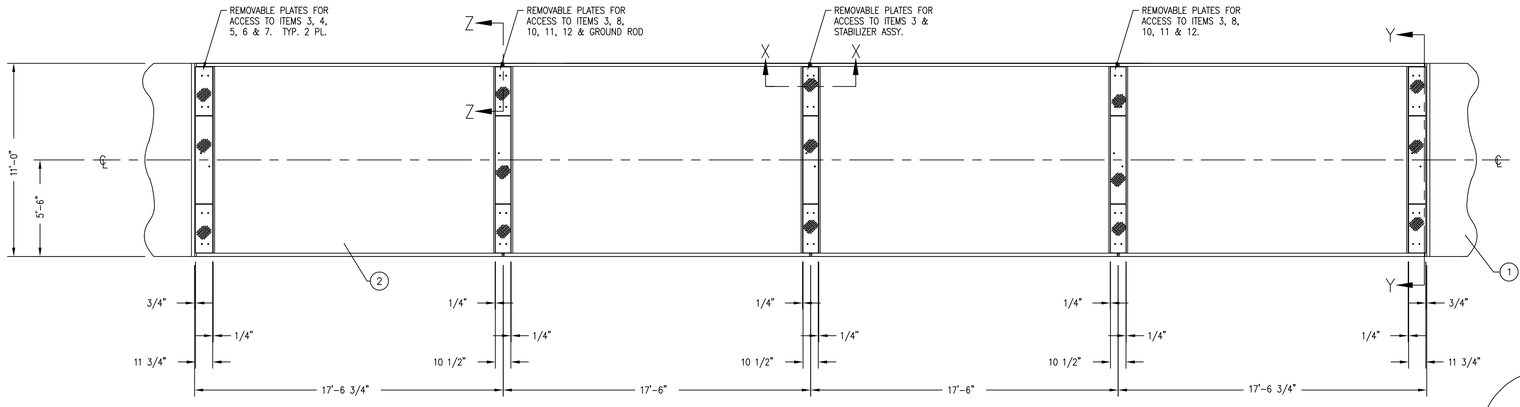
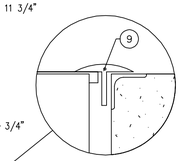


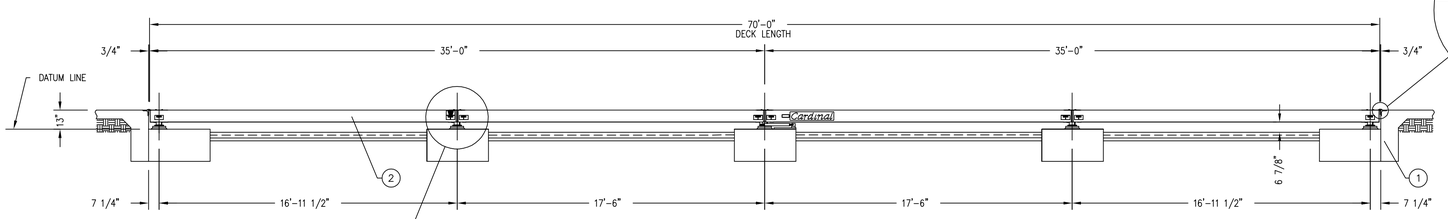
PLAN VIEW GENERAL ARRANGEMENT

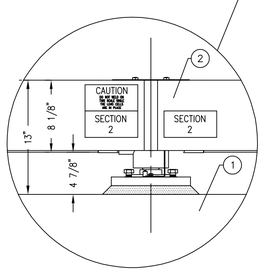


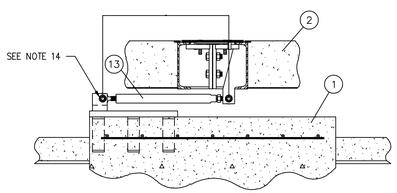
SECTION Z-Z



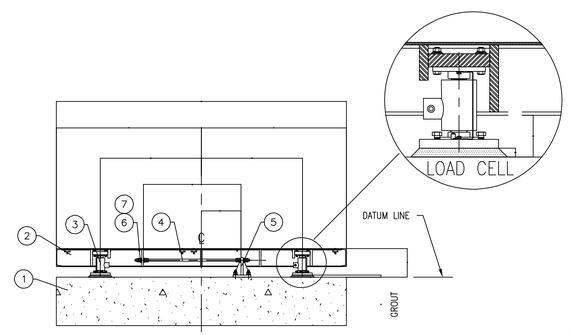








SECTION X-X



SECTION Y-Y

IMPORTANT! If your scale is equipped with access ways, such as manholes, it is the users responsibility to provide proper protection such as barriers, during the time they are open or removed.

REVISION RECORD			
LTR	DESCRIPTION	DATE	BY
D	ITEM 4 WAS 0145-B075-08 54" LONG; REMOVE REBAR DETAIL & NOTE IN TOP VIEW; DELETE NOTE 13 REGARDING REBAR; SECT Y-Y 3'-8 3/8" DIM WAS 3'-10 3/8" & 1'-6" DIM WAS 1'-8", SHOW 3 PC ACCESS PLATES.	5/20/93	13196 JAT RTB
E	ITEM 8 WAS 3502-D177-0A	9/9/94	14066 CHSC
F	UPDATED APPEARANCE OF DRAWING TO SHOW STABILIZER RATHER THAN FLEXURE; REVISED APPEARANCE OF LOAD CELL MOUNTS; REVISED NOTES & ADDED ITEM 13.	6/27/95	14296 JAT ONM
G	ITEM 3 PART NO. WAS 2970-C086-0A ITEM 9 CHANGE QTY FROM 1 TO 22' MADE THE FOLLOWING CHANGES DUE TO THE CHANGE IN THICKNESS OF THE BOTTOM PLATE: SECTION 2 DETAIL DIMENSIONAL CHANGES 8 1/8" DIMENSION WAS 8 3/16" 4 7/8" DIMENSION WAS 4 13/16" NOTE 13 CLEARANCE WAS 6 13/16" NOTE 3 THE MAX LIFT WT. WAS 3,900 LBS ADD 6 7/8" DIMENSION TO SIDE VIEW	10/22/98	16292 JAT/MLS
H	ADD NOTE TO SUPPORT AT MIDSPAN TO NOTE 12	9/7/00	21066 JAT

NOTES:

1. CAUTION: DO NOT WELD ON THE SCALE WHILE THE LOAD CELLS ARE IN PLACE.
2. REFER TO THE INSTALLATION MANUAL FOR PROPER ELECTRICAL GROUNDING SPECIFICATIONS.
3. THE WEIGHBRIDGE IS SUPPLIED IN FOUR MODULES. MAXIMUM LIFT PER MODULE IS 3,300 POUNDS.
4. ADJUST THE LOAD CELL ASSEMBLIES TO THE PROPER ELEVATION AND GROUT IN PLACE. GROUT SHALL BE OF AN APPROVED NON-SHRINKING EPOXY TYPE ONLY. REF. U.S. GROUT CORP., 5-STAR; SIKA CHEMICAL; REXNORD; OR EQUAL.
5. ALL LATERIAL STABILIZERS SHALL BE LEVEL AND TRUE TO PLANE BOTH HORIZONTALLY AND VERTICALLY AFTER THE SCALE HAS BEEN COMPLETELY SET.
6. THE WEIGHT INDICATOR IS SHOWN ON A SEPARATE DRAWING.
7. SAFETY BARRIERS ARE A USER/OWNER RESPONSIBILITY TO PREVENT VEHICLES FROM RUNNING OFF THE SIDES OF THE SCALE. FOR THE SAFETY OF VEHICLES USING THIS SCALE, SIDE RAILS AND/OR PROTECTIVE POSTS ARE AVAILABLE AS OPTIONAL EQUIPMENT.
8. CONCRETE IS NOT SUPPLIED BY CARDINAL SCALE MFG. CO.
9. CONCRETE SHALL BE A MINIMUM OF 4,500 PSI AT 28 DAYS.
10. THE SCALE SHOULD NOT BE LOADED FOR 28 DAYS TO ALLOW REQUIRED CONCRETE CURE TIME.
11. APPROXIMATELY 17.8 CUBIC YARDS OF CONCRETE IS REQUIRED FOR THE SCALE DECK.
12. REFER TO THE INSTALLATION MANUAL FOR CONCRETE PLACEMENT SPECIFICATIONS. DEVIATIONS FROM THE SPECIFICATIONS WILL VOID ALL WARRANTIES. THE BRIDGES MUST BE SUPPORTED AT MIDSPAN FOR THE DURATION OF THE CONCRETE CURING TIME. (H)
13. THE 6 7/8" MINIMUM CLEARANCE UNDER THE SCALE MUST BE MAINTAINED THE FULL LENGTH OF THE SCALE EXCEPT AT THE LOAD CELL PIER AREAS.
14. REMOVE COTTER PINS, WASHER AND CLEVIS PINS FROM ROD ENDS. POSITION ONE ROD END INTO CLEVIS ON STABILIZER PLATE AND REPLACE ONE CLEVIS PIN, WASHER AND COTTER PIN. THEN POSITION THE WEIGHBRIDGE IN PLACE. LOOSEN THE HEX NUT ON THE OTHER END OF THE STABILIZER AND ADJUST THE ROD END TO THE PROPER LENGTH. THEN POSITION THE ROD END INTO THE STABILIZER PLATE AND REPLACE CLEVIS PIN, WASHER AND COTTER PIN. TIGHTEN HEX NUT IN PLACE. REPEAT FOR THE OTHER SIDE. THERE SHALL BE NO MOVEMENT IN THE SCALE AFTER THE STABILIZERS HAVE BEEN PROPERLY ADJUSTED.
15. CARDINAL SCALE MFG. CO. RECOMMENDS THAT THE CUSTOMER INSTALL PROTECTIVE CONDUIT/COVER FOR THE LOAD CELL CABLES WHENEVER THE CONDITION IS PRESENT THAT CAN RESULT IN DAMAGE OR ABRASION TO THE LOAD CELL CABLES.
16. WRAP EXCESS LOAD CELL CABLES AROUND CABLE BRACKETS. CABLE BRACKETS ARE LOCATED UNDER THE ACCESS COVERS.

QTY.	QTY.	ITEM	PART/DWG. NUMBER	DESCRIPTION	MATERIAL OR SOURCE	WT. EACH
	-0A	ASSY				
		13200	WT.	PARTS/MATERIAL LIST		
2	13		0147-B422-0A	STABILIZER ASSY		10.9
4	12		6024-0039	LOCK WASHER	1/4"	0.01
4	11		6013-0045	HEX NUT	1/4"-20 UNC-2B	0.01
4	10		6007-0011	HEX HEAD BOLT	1/4"-20 UNC-2A X 1"	0.01
22 FT	9		6540-0002	RUBBER "T" COVER STRIP		0.88
1	8		3502-D364-0A	INTERCONNECTION ASSY.		39.8
16	7		6013-0165	HEX NUTS	1"-8 UNC-2B	0.29
8	6		0145-B011-0A	SPHERICAL WASHER		0.37
2	5		0145-C008-0A	LATERAL STABILIZER BRACKETS--TALL		22.1
2	4		0147-B162-08	LATERAL STABILIZER	52"	11.6
10	3		50K SCA	LOAD CELL ASSY.	SEE INSTALLATION MANUAL	47.6
1	2		0148-D152-0A	WEIGHBRIDGE SCHEMATIC		12385
1	1		0147-D098-0A	FOUNDATION PLAN		182.9

MODEL 13570PRC-1-C
NOMINAL CAPACITY 135 TON
U.S.--CONCENTRATED LOAD CAPACITY 40 TON
CANADA--SECTIONAL CAPACITY 50 TON
CANADA--S.WA. NO. -T4137
SERIAL NUMBER "SALES ORDER NUMBER"

NOMINAL CAPACITY IS THE GROSS CAPACITY AS ASSIGNED BY THE MANUFACTURER.

CONCENTRATED LOAD CAPACITY (CLC) AS ASSIGNED BY THE MANUFACTURER, IS THE LOAD WHICH CAN BE PLACED ANYWHERE ON THE PLATFORM IN THE PRESCRIBED TEST PATTERN.

SECTIONAL CAPACITY IS THE MAXIMUM LOADING FOR EACH PAIR OF LOAD CELLS AS ADJACENT PLATFORMS (SPANS) ARE LOADED.

AREAS IN CONTACT WITH DECK CONCRETE SHALL BE PRIMER COATED ONLY.

PRIMER = 3841 SQ. FT. (40% O.S. INCLUDED)
PAINT = 1738 SQ. FT. (40% O.S. INCLUDED)

UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS ARE:
ANGLES ± 1/2°
INTEGERS/FRACTIONS ± 1/16 IN.
DECIMALS (.X) ± .03 IN.
DECIMALS (.XX) ± .01 IN.
DECIMALS (.XXX) ± .005 IN.
NOTE: WHOLE NUMBERS MUST BE WRITTEN XX.000 TO INVOKE DECIMAL TOLERANCES.

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Cardinal Scale Manufacturing Co.
WEBB CITY, MISSOURI USA 64870
CARDINAL DETECTO FULLER WEIGHING SYSTEMS

TITLE FINAL ASSEMBLY: FULL ELECTRONIC; HIPLESS MOTOR TRUCK SCALE; 5-SECT 135 TON CAP; 70' X 11' CONCRETE DECK

SCALE 1/4" = 12" | DO NOT SCALE DRAWING | NEXT ASSEMBLY

DR. JAT | DATE 1/28/92
CH. RTB | DATE 1/28/92

0148-D151-0A

MODEL 11' WIDE 13570PRC-I-C | SHEET 1 OF 1 | DWG. NO. 0148-D151-0A | REV. H

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