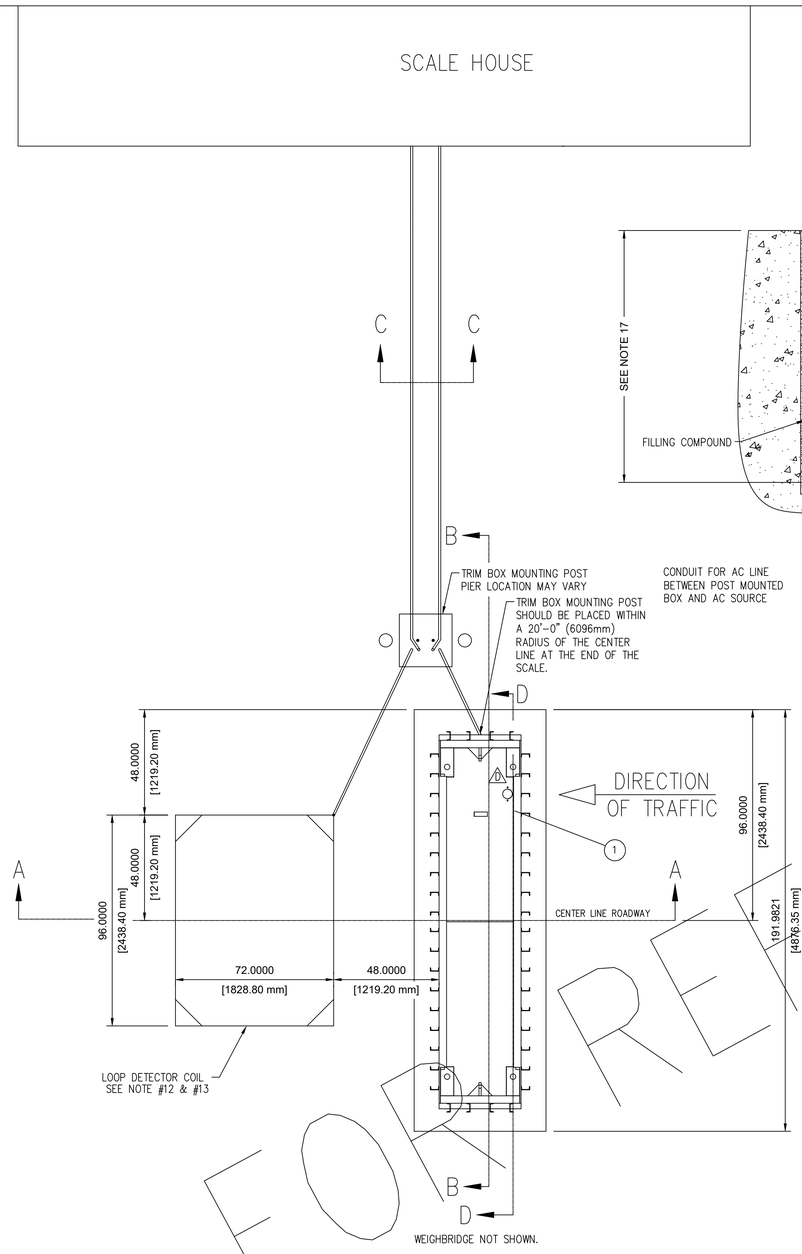
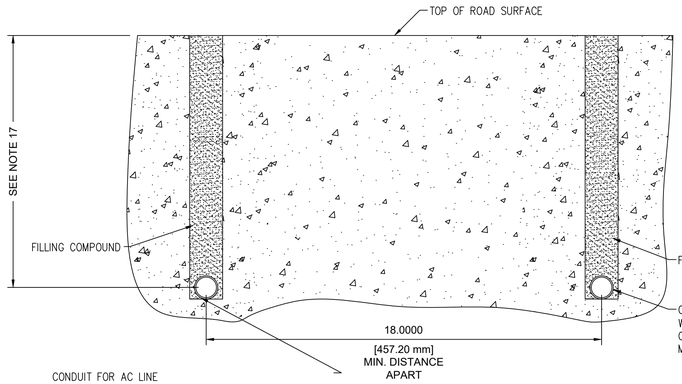
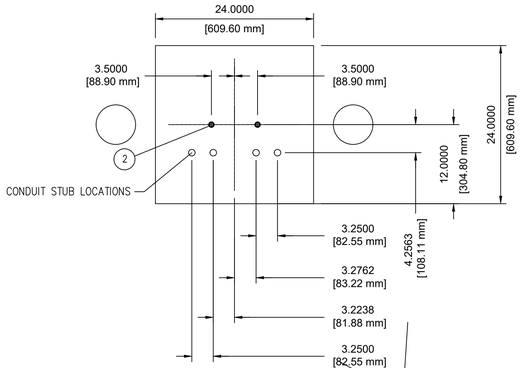
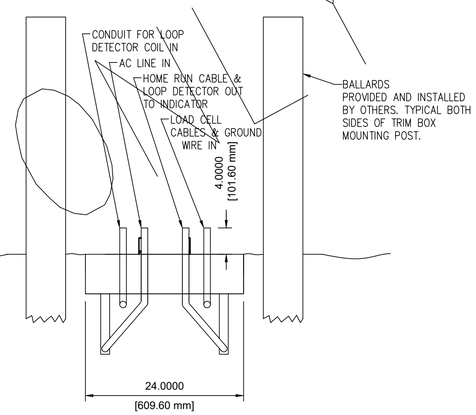


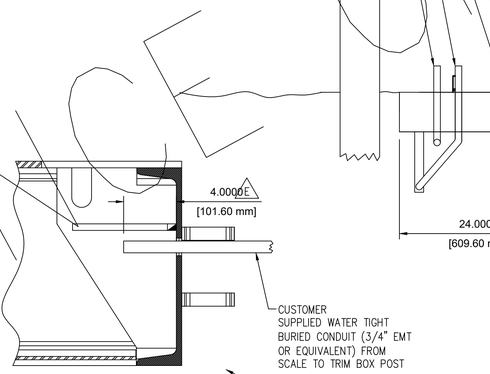


SECTION C–C

SAW CUTS IN SURFACE FOR CONDUIT RUNS TO SCALE HOUSE

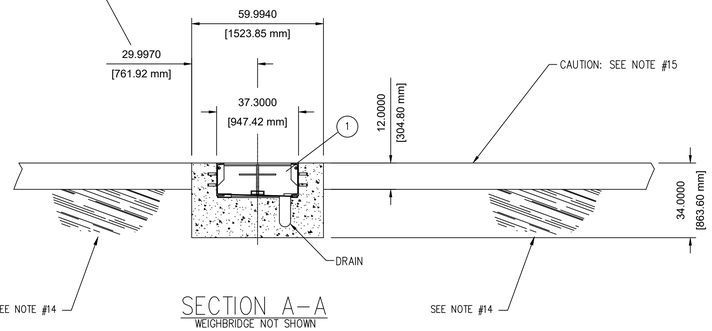






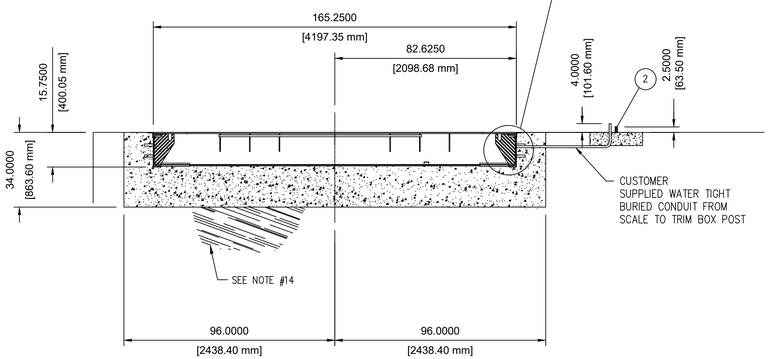
CONDUIT CONNECTION DETAIL

SHOWN WITH WEIGHBRIDGE FRAME INSTALLED.



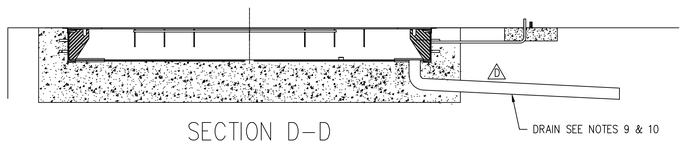
SECTION A–A

WEIGHBRIDGE NOT SHOWN



SECTION B–B

WEIGHBRIDGE NOT SHOWN



SECTION D–D

WEIGHBRIDGE NOT SHOWN

REVISION RECORD			
LTR	DESCRIPTION	DATE	BY
A	RELEASED FOR PRODUCTION	10/19/16	27707 ADB
B	ADDED ITEM 3 TO THE BILL OF MATERIALS CHANGED FROM ONE SAW CUT TO TWO SAW CUTS FROM SCALE HOUSE TO JUNCTION BOX	11/3/16	27720 ADB
C	CORRECTED AND UPDATED THE WEIGHT	12/20/16	28029 ADB
D	MOVED THE DRAIL HOLE LOCATION	6/6/17	28099 ADB
E	REVISED CONDUIT LAYOUT, MOVED DRAIN, REMOVED EXCESS HOLES FROM PIT FRAME	03/27/18	28720 JEG

NOTES:

1. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD.
2. SOIL BEARING SHALL BE A MINIMUM OF 4,000 P.S.F.
3. CONCRETE FOR WALLS, FOOTINGS, GRADE BEAMS AND SLABS SHALL BE AIR–ENTRAINED AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I.
4. ALL STEEL REINFORCEMENT SHALL BE SECURELY TIED IN THE FORMS AND SUPPORTED ABOVE GRADE PRIOR TO CONCRETE PLACEMENT.
5. THE FRAME MUST BE SECURELY FASTENED TO PREVENT DISPLACEMENT DURING PLACING OF THE CONCRETE. REFERENCE DRAWING 0170–0140–0A
6. CONTRACTOR SHALL INSTALL ALL ITEMS TO BE EMBEDDED INTO THE REINFORCED CONCRETE FOUNDATION PRIOR TO PLACING THE CONCRETE.
7. CAUTION: THE TOP OF THE SCALE FRAME MUST BE IN THE SAME ELEVATION AS THE EXISTING ROADWAY ELEVATION.
8. AFTER CONCRETE IS POURED, TROWEL THE CONCRETE SMOOTH, WHEELS (TIRES) MUST HAVE A SMOOTH LEVEL APPROACH ON THE SCALE DECKS.
9. SLOPE ALL DRAINS AS SHOWN TO EXISTING DRAIN; PIPE NOT FURNISHED BY CARDINAL SCALE MFG. CO.
10. PROVIDE RODENT GUARD AT END OF DRAIN PIPE.
11. POSITION CONDUIT AS SHOWN.
12. SEE THE INSTALLATION INSTRUCTIONS FOR LOOP COIL INSTALLATION
13. CONDUIT PIPE AND CONNECTORS ARE NOT FURNISHED BY CARDINAL SCALE MFG. CO.
14. ALL OF THE SUB GRADE BENEATH THE CONCRETE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY, DETERMINED IN ACCORDANCE WITH A.A.S.H.T.O.
15. THE USER SHALL PROVIDE AND MAINTAIN THE SURFACE OF THE PAVED ROADWAY 150 FT. IN ADVANCE OF AND BEYOND THE WIM–SYSTEM SENSORS AND SHALL BE MAINTAINED IN A CONDITION SUCH THAT A 6 INCH DIAMETER CIRCULAR PLATE 1/8 INCH THICK CANNOT BE PASSED BENEATH A 20 FOOT LONG STRAIGHT EDGE WHEN THE STRAIGHT EDGE IS POSITIONED AND MANEUVERED AS SPECIFIED IN ASTM DESIGNATION: E 1318–92.
16. SEE CARDINAL ELECTRICAL DRAWINGS FOR GROUNDING SPECIFICATIONS.
17. REFER TO LOCAL BUILDING/CONSTRUCTION CODES AND/OR REGULATING AUTHORITY FOR MINIMUM BURIED CONDUIT DEPTH.
18. THE MOUNTING FRAME KIT, ITEM 3, IS REQUIRED FOR MOUNTING FRAME INSTALLATION. REFER TO DRAWING 0170–0140–0A.

QTY.	QTY.	QTY.	ITEM	PART/DWG. NUMBER	DESCRIPTION	MATERIAL OR SOURCE	WT. EACH
		1	3	0170–0140–0A	MOUNTING FRAME INSTALLATION KIT	NOT SHOWN, SEE 0170–0140–0A	629.0
		2	2	BY OTHERS	HEX BOLT	3/4" –10UNC–2A X 10"	
		1	1	0170–0106–0A	MOUNTING FRAME	SEE NOTE 5	1736.0
			ASSY				
	6	2365.0	WT.	PARTS/MATERIAL LIST			

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: PIT PLAN SLOW WEIGH–IN–MOTION SCALE

SCALE N.T.S.	DO NOT SCALE DRAWING	NEXT ASSEMBLY	0170–0142–0A
DR. ADB	DATE 10/19/16		
CH.	DATE		
MODEL SWIM–1	SHEET 1	DWG. NO. 0170–0141–0A	REV. E

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