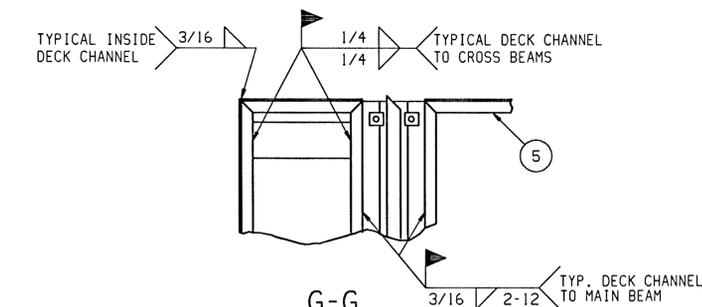
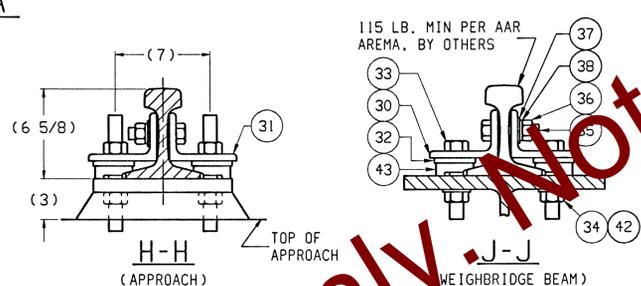
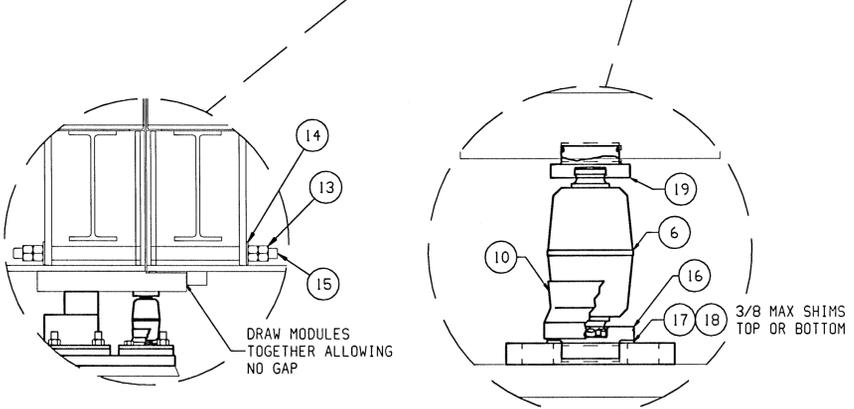
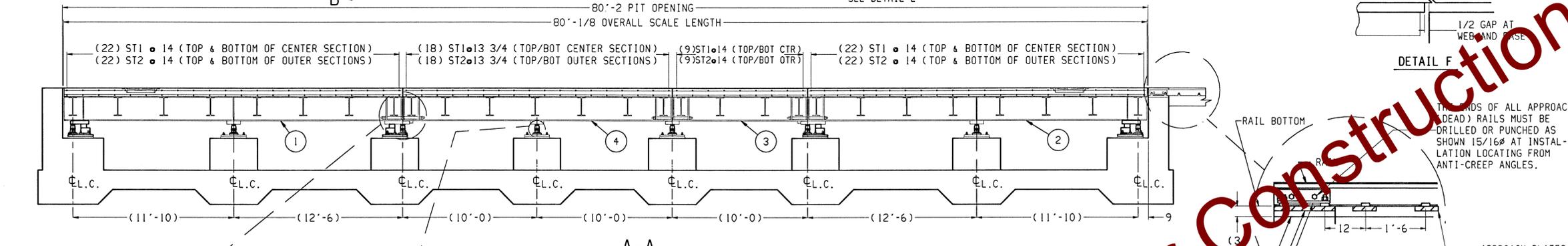
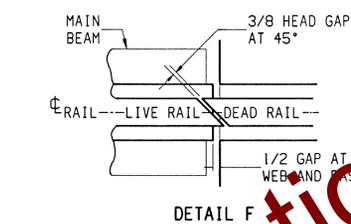
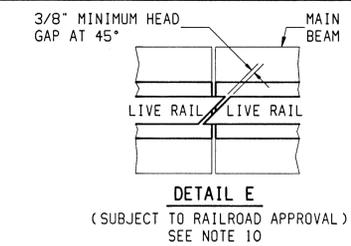
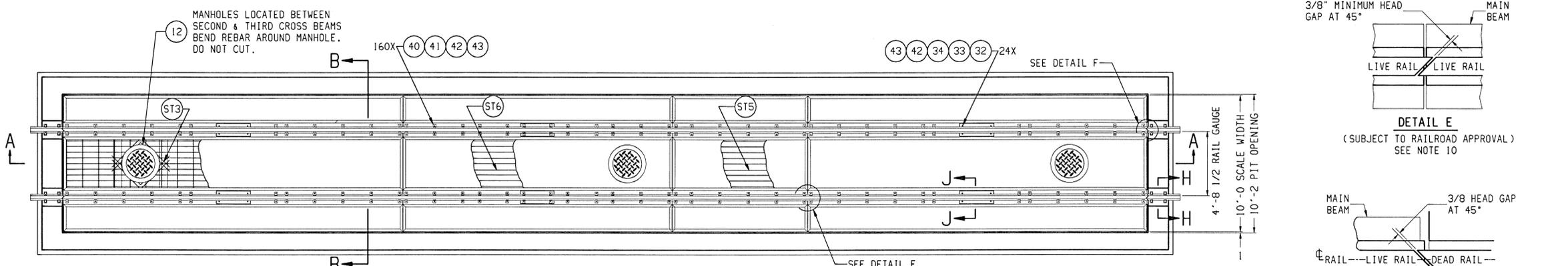
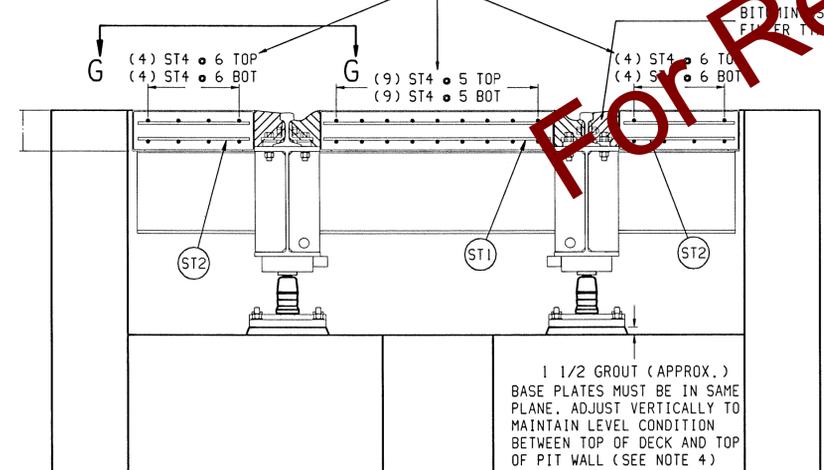


MANHOLES LOCATED BETWEEN SECOND & THIRD CROSS BEAMS BEND REBAR AROUND MANHOLE. DO NOT CUT.



NOTE: ST5 IS USED IN PLACE OF ST4 IN THE 10' WEIGHBRIDGE SECTION.
ST6 IS USED IN PLACE OF ST4 IN THE 20' WEIGHBRIDGE SECTION.



- NOTES**
- ASSEMBLE SCALE ON LOCATING TOOLS WORKING FROM THE PIT CENTER. MATCH THE MARKINGS ON THE TOP OF THE MIDDLE MODULE WITH THE CORRESPONDING MARKING ON THE END MODULE (I.E., 1-1 & 2-2). COMPLETE HARDWARE WITH NEVER SEEZ, AND TIGHTEN NUTS AND BOLTS ONE HALF TURN PAST SNUG TIGHT (WHICH IS DEFINED AS THE TIGHTNESS OBTAINED AFTER A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH.)
 - LOCK TIE RODS IN PLACE. DO NOT OVER TENSION RODS. TIE RODS ALLOW THE MODULES TO MOVE TOGETHER LONGITUDINALLY WHILE PIVOTING AT THE LOAD CELL TRANSFER BARS.
 - THE DECK CHANNELS SERVE BOTH AS A COPING AND AS A FORM. SPACE THE CHANNELS FROM THE PIT COPING BY TACK WELDING SPACERS BETWEEN THE PIT COPING AND THE CHANNELS ALLOWING 1" SPACING. GRINDING OR CUTTING MAY BE REQUIRED. WELD THE CHANNELS TO THE GIRDERS AS SHOWN IN "B-B" AND "G-G". PLACE (28 GAUGE) MINIMUM SIZE CORRUGATED DECKING, MANHOLES, REINFORCING BARS AND CONCRETE IN PLACE ACCORDING TO AMERICAN CONCRETE INSTITUTE CODE AND A.R.E.M.A. CH.8.
 - AFTER WEIGHBRIDGE IS IN CORRECT WEIGHING POSITION AND LOAD CELLS VERTICAL, GROUT LOAD CELL BASE PLATES IN PLACE. USE EPOXY TYPE GROUT, SUCH AS: U.S. GROUT-FIVE STAR EPOXY GROUT. GROUT TO DEVELOP 10,000 PSI COMPRESSIVE STRENGTH IN 24 HOURS. BE SURE TO FOLLOW GROUT MANUFACTURER'S INSTRUCTIONS FOR APPLICATION.
 - PROVIDE AT LEAST 75 FEET OF STRAIGHT TRACK AT EACH APPROACH TO WEIGHRAILS. MINIMUM 25 FEET OF CONCRETE IN THE SAME PLANE.
 - INSTALL, ADJUST AND WELD CHECK BRACKETS PER DETAIL D.
 - GREASE THE INTERIOR BEARING SURFACES OF ALL THE POWER CELL RECEIVERS WITH TN203217 DURING LOAD CELL INSTALLATION.
 - REFER TO WIRING DIAGRAM FOR POWER CELL AND J-BOX CONNECTIONS.
 - SCALE MEETS AAR/AREMA COOPER E-80 REQUIREMENTS AND NIST HB44 FOR CLASS IIIIL DEVICES.
 - AAR & AREMA 2.14.10 RAILS SHALL BE ONE PIECE FULL LENGTH OF SCALE.
 - USE 400 PSI CONCRETE AT 28 DAY AGE WITH 5% TO 7% AIR ENTRAINMENT.
 - CORRUGATED DECKING, SHORING, CONCRETE, REINFORCING STEEL, GROUT, AND RAIL SUPPLIED BY OTHERS. ADDITIONAL MATERIALS REQUIRED FOR SCALE INSTALLATION:
CONCRETE: 16 CU. YD. REINFORCING STEEL: 3565 LB.
EPOXY GROUT: 8 CU. FT. RAIL: 162 FT.

DECK REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)					
SYM	SIZE	QTY	LOCATION	LENGTH	WGT
ST1	#4	142	CENTER SECT. LATERAL	3'-9"	356
ST2	#4	284	SIDE SECT. LATERAL	1'-10"	348
ST3	#4	24	MANHOLE LOCATIONS	3'-0"	48
ST4	#5	68	25' SECT. LONGITUDINAL	24'-10"	1761
ST5	#5	34	10' SECT. LONGITUDINAL	9'-10"	349
ST6	#5	34	20' SECT. LONGITUDINAL	19'-10"	703
TOTAL WT.					3565

THE FOLLOWING DRAWINGS ARE REQUIRED FOR A RAIL SCALE: GENERAL LAYOUT, FOUNDATION, APPROACH, ANTI-CREEP ANGLE LAYOUT, AND WIRING DIAGRAM.

43	200	TN300995	RAIL CLIP: #62
42	184	MZ0901030026	LOCK WASHER: #1
41	160	MZ0901020047	HEX NUT: 1-8 UNC-2B GRADE 5
40	160	MZ0901010073	HEX BOLT: 1-8 UNC-2A X 4 GRADE 5

ADDITIONAL HARDWARE REQUIRED TO COMPLETE RAIL INSTALLATION
THESE ITEMS ARE NOT SUPPLIED BY METTLER-TOLEDO, BUT CAN BE PURCHASED SEPARATELY AS OPTIONS.

38	26	MZ0901030087	LOCK WASHER: #7/8
37	26	MZ0901030061	FLAT WASHER: #7/8
36	26	MZ0901020052	HEX NUT: 7/8-9 UNC-2B A490
35	26	MZ0901010245	HEX BOLT: 7/8-9 UNC-2A X 3 1/2 A490
34	24	MZ0901020047	HEX NUT: 1-8 UNC-2B GRADE 5
33	24	MZ0901010038	HEX BOLT: 1-8 UNC-2A X 5 GRADE 5
32	40	TA203222-3	ANTI-CREEP SPACER
31	8	TA203222-2	APPROACH ANTI-CREEP ANGLE
30	12	TA203222-1	SCALE ANTI-CREEP ANGLE

PARTS ASSOCIATED WITH ANTI-CREEP INSTALLATION
THESE ITEMS ARE NOT SUPPLIED BY METTLER-TOLEDO, BUT CAN BE PURCHASED AS AN ANTI-CREEP KIT AS AN OPTION. SEE ANTI-CREEP LAYOUT FOR THE REQUIREMENTS FOR ADDITIONAL SCALE CONFIGURATIONS.

24	2	TN203056	CONNECTOR DIELECTRIC COMPOUND
23	2	**	TOUCHUP PAINT KIT
22	1	TB202627	CONNECTOR CLEANER
21	4	TB200610	CHECK BRACKET - RIGHT
20	4	TB200609	CHECK BRACKET - LEFT
19	16	TA200835-1	UPPER RECEIVER 100K L/C
18	16	TA200833-2	RECEIVER SHIM (.062)
17	16	TA200833-1	RECEIVER SHIM (.125)
16	16	TA200830-1	LOWER RECEIVER 100K L/C
15	6	MZ0901050008	1 1/2-6 UNC-2A X 42 ALL THREAD
14	12	MZ0901030002	#1-5/8 FLAT WASHER
13	24	MZ0901020064	1 1/2-6 UNC-2B HEX NUT
12	3	09260001	MANHOLE RING & SOLID COVER
11	3	TN203217	LUBRICANT, LOADCELL-RECEIVER
10	16	TN203705	BOOT, MTX LOAD CELL

ITEM	QTY	PART NUMBER	DESCRIPTION
------	-----	-------------	-------------

KIT OF PARTS: #C308780-1

ITEM	QTY	PART NUMBER	DESCRIPTION
--	1	#C308780-1	INSTALLATION KIT
--	1	TC100491-9	WIRING KIT
6	16	#15475900A	LOAD CELL, 45+ MTX, CM05
5	1	#B305077	DECK CHANNEL FRAME
4	1	#305073-200C	MIDDLE MODULE 20'
3	1	#305073-100B	MIDDLE MODULE 10'
2	1	#201389-200B	END MODULE
1	1	#201389-200A	END MODULE

ITEM	QTY	PART NUMBER	DESCRIPTION
------	-----	-------------	-------------

MAJOR BILL OF MATERIAL

- * LETTER PREFIX DEPENDS UPON THE TYPE OF FINISH.
- ** LETTER PREFIX REPRESENTS THE PRODUCT REVISION LEVEL.
- ** PART NUMBER DEPENDS UPON THE TYPE OF FINISH.

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:

FRACTIONAL	DECIMAL	ANGULAR
1/32	.XX ± .02	°.5'
	.XXX ± .005	

THIS PRINT IS FURNISHED WITH THE UNDERSTANDING THAT THE ESSENCE THEREOF WILL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF METTLER-TOLEDO, INC. ALL DESIGNS ARE THE PROPERTY OF METTLER-TOLEDO, INC. AND WILL BE PROTECTED BY PATENTS.

METTLER TOLEDO

TITLE 7360, GENERAL LAYOUT, 80' X 10'

SCALE NTS
DATE 10/28/99
DRN ELB APPD JLB

TC308780 REV A

For Reference Only. Not for Construction.