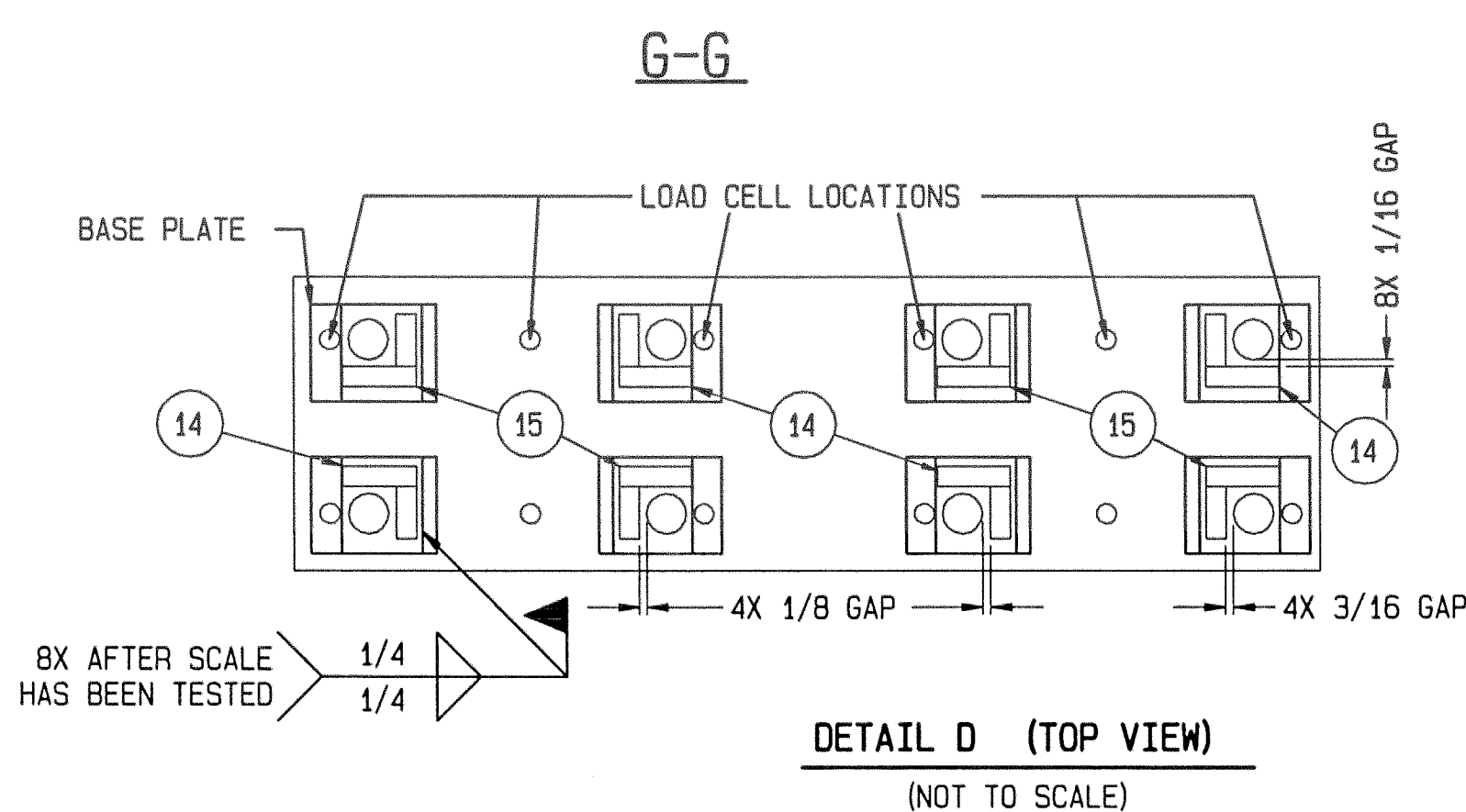


- NOTES**
- ASSEMBLE SCALE ON LOCATING TOOLS. MATCH THE MARKINGS ON THE TOP OF THE MIDDLE MODULE WITH THE CORRESPONDING MARKINGS ON THE END MODULE (i.e. 1-1, 2-2). COAT ALL HARDWARE WITH NEVER SEEZ, AND TIGHTEN NUTS AND BOLTS ONE HALF TURN PAST SNUG TIGHT, WHICH IS DEFINED AS THE TIGHTNESS OBTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN OPEN END 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 TOP OF THE COPING BY TACK WELDING SPACERS BETWEEN THE PIT COPING AND THE CHANNELS ALLOWING 1" SPACE. WELDING 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 (ACI 318-SECTION 7.7) AND AREMA 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. 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 LOAD 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 IIII DEVICES.
 - AAR & AREMA 2.14.10 RAILS SHALL BE ONE PIECE FULL LENGTH OF SCALE.
 - USE 4000 PSI CONCRETE AT 28 DAY AGE WITH 5% TO 7% AIR ENTRAINMENT.
 - CORRUGATED DECKING, SHORING, CONCRETE, REINFORCING STEEL, GROUT, AND RAIL BY OTHERS.
 - ADDITIONAL MATERIALS REQUIRED FOR SCALE INSTALLATION:
CONCRETE: 12 CUBIC YARDS REINFORCING STEEL: 2668 POUNDS
EPOXY GROUT: 7.2 CUBIC FEET RAIL: 120 FEET
SEE ALSO: DETAILED BILLS AT ABOVE RIGHT.



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

DECK REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)					REV	CHANGE	BY	DATE
SYM	SIZE	QTY	LOCATION	LENGTH	WT			
ST1	#4	106	CENTER SECTION LATERAL	3'-9"	266			
ST2	#4	212	SIDE SECTIONS LATERAL	1'-10"	260			
ST3	#5	34	MIDDLE MODULE LONGITUDINAL	9'-10"	349			
ST4	#5	68	END MODULE LONGITUDINAL	24'-10"	1761			
ST5	#4	16	MANHOLE LOCATIONS	3'-0"	32			

ITEM	QTY	PART NUMBER	DESCRIPTION
29	152	TN300995	RAIL CLIP: #62 OR K-26
28	136	MZ0901030026	LOCK WASHER: #1
27	112	MZ0901020047	HEX NUT: 1-8 UNC-2B GRADE 5
26	112	TN800658	HEX BOLT: 1-8 UNC-2A X 4 GR 5 ZN

ADDITIONAL HARDWARE REQUIRED TO COMPLETE RAIL INSTALLATION

THESE ITEMS ARE NOT SUPPLIED BY METTLER-TOLEDO, BUT CAN BE PURCHASED SEPARATELY AS OPTIONS.

25	26	MZ0901030087	LOCK WASHER: #7/8
24	26	MZ0901030061	FLAT WASHER: #7/8
23	26	MZ0901010052	HEX NUT: 7/8-9 UNC-2B A490
22	26	MZ0901010245	HEX BOLT: 7/8-9 UNC-2A X 3 1/2 A490
21	24	MZ0901020047	HEX NUT: 1-8 UNC-2B GRADE 5
20	24	MZ0901010666	HEX BOLT: 1-8 UNC-2A X 4-1/2 GR 5 ZN
19	40	TA203222-3	ANTI-CREEP SPACER
18	8	TA203222-2	APPROACH ANTI-CREEP ANGLE
17	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.

--	1	TB202627	CONNECTOR CLEANER
--	3	TN203217	LUBRICANT, LOADCELL-RECEIVER
--	2	TN203056	CONNECTOR DIELECTRIC COMPOUND
--	2	**	TOUCHUP PAINT KIT
16	2	09260001	MANHOLE RING & SOLID COVER
15	4	TB200610	CHECKING BRACKET - RIGHT
14	4	TB200609	CHECKING BRACKET - LEFT
13	8	MZ0901030002	#1-5/8 FLAT WASHER
12	16	MZ0901020064	1 1/2-6 UNC-2B HEX NUT
11	4	MZ0901050008	1 1/2-6 UNC-2A X 42 ALL THREAD
10	12	TA200835-1	UPPER RECEIVER 100K L/C
9	12	TN203705	BOOT, MTX LOAD CELL
8	12	TA200830-1	LOWER RECEIVER 100K L/C
7	12	TA200833-2	RECEIVER SHIM (.062)
6	12	TA200833-1	RECEIVER SHIM (.125)

ITEM	QTY	PART NUMBER	DESCRIPTION
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INSTALLATION KIT OF PARTS: TC309508-1

--	1	TC309508-1	INSTALLATION KIT OF PARTS
--	1	TC100491-7	WIRING KIT
5	12	*15475900A	45t MTX LOAD CELL
4	1	TB307755	DECK CHANNEL FRAME
3	1	T307753-200C	MIDDLE MODULE
2	1	T307753-100B	END MODULE
1	1	T307753-100A	END MODULE

ITEM	QTY	PART NUMBER	DESCRIPTION
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MAJOR BILL OF MATERIAL

* MAY BE REPLACED WITH A LETTER PREFIX.
** PART NUMBER DEPENDS UPON THE TYPE OF FINISH.

METTLER TOLEDO

TITLE	7360, MTX STD GENERAL LAYOUT, 60x10
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:	
FRACTIONAL	DECIMAL
1/32	.003125
1/16	.00625
1/8	.0125
3/16	.01875
1/2	.03125
5/8	.0625
3/4	.09375
7/8	.125
1	.15625
1 1/8	.1875
1 1/4	.21875
1 3/8	.25
1 1/2	.28125
1 5/8	.3125
1 3/4	.34375
1 7/8	.375
2	.40625
2 1/8	.4375
2 1/4	.46875
2 3/8	.5
2 1/2	.53125
2 5/8	.5625
2 3/4	.59375
2 7/8	.625
3	.65625
3 1/8	.6875
3 1/4	.71875
3 3/8	.75
3 1/2	.78125
3 5/8	.8125
3 3/4	.84375
3 7/8	.875
4	.90625
4 1/8	.9375
4 1/4	.96875
4 3/8	1.0
4 1/2	1.03125
4 5/8	1.0625
4 3/4	1.09375
4 7/8	1.125
5	1.15625
5 1/8	1.1875
5 1/4	1.21875
5 3/8	1.25
5 1/2	1.28125
5 5/8	1.3125
5 3/4	1.34375
5 7/8	1.375
6	1.40625
6 1/8	1.4375
6 1/4	1.46875
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6 7/8	1.625
7	1.65625
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7 1/4	1.71875
7 3/8	1.75
7 1/2	1.78125
7 5/8	1.8125
7 3/4	1.84375
7 7/8	1.875
8	1.90625
8 1/8	1.9375
8 1/4	1.96875
8 3/8	2.0
8 1/2	2.03125
8 5/8	2.0625
8 3/4	2.09375
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9 7/8	2.375
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10 1/2	2.53125
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11 1/2	2.78125
11 5/8	2.8125
11 3/4	2.84375
11 7/8	2.875
12	2.90625
12 1/8	2.9375
12 1/4	2.96875
12 3/8	3.0
12 1/2	3.03125
12 5/8	3.0625
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28 1/4	6.96875
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28 1/2	7.03125
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