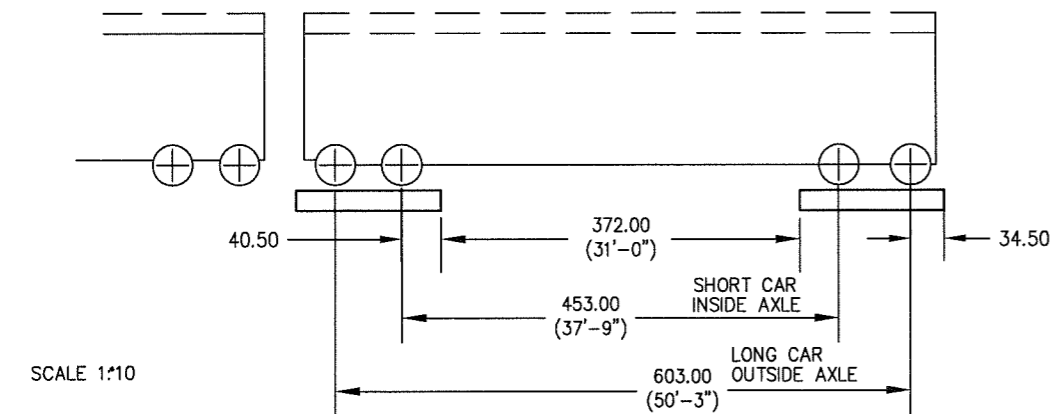


CUSTOMER: BWXT OF OHIO
 MIAMISBURG, OH
 SERVICING RAILROAD: NORFOLK SOUTHERN



SCALE 1:10

FOR REFERENCE ONLY
 Not for Construction

NOTES:

1. WEIGH BRIDGE DESIGN FOR COOPER E80 LOADING
2. SECTIONAL CAPACITY 85 TON
3. SCALE CAPACITY 170 TON
4. RTS NTEP C.O.C. No. 97-122
5. HYDROSTATIC LOAD CELL 136-100RR (100,000 LB CAPACITY)
 NTEP C.O.C. No. 88-239-PA1
6. WEIGH RAIL A.R.E.A. 127 LB. (BY OTHERS)
7. FILL BAYS 'A' AND 'B' WITH ANY GRADE OF CONCRETE TO TOP OF TRANSVERSE BEAMS, BEFORE OR AFTER ASSEMBLY. (USED FOR BALLAST ONLY - 1.0 CU YD PER PLATFORM)

REF DWGS:

- D-35611 2 OF 2 ASSEMBLY DETAIL AND MATERIAL LIST
- D-35612 1 OF 2 FOUNDATION
- D-35612 2 OF 2 FOUNDATION SECTION
- B-35072 TUBING DIAGRAM

REV	DESCRIPTION	DATE	BY

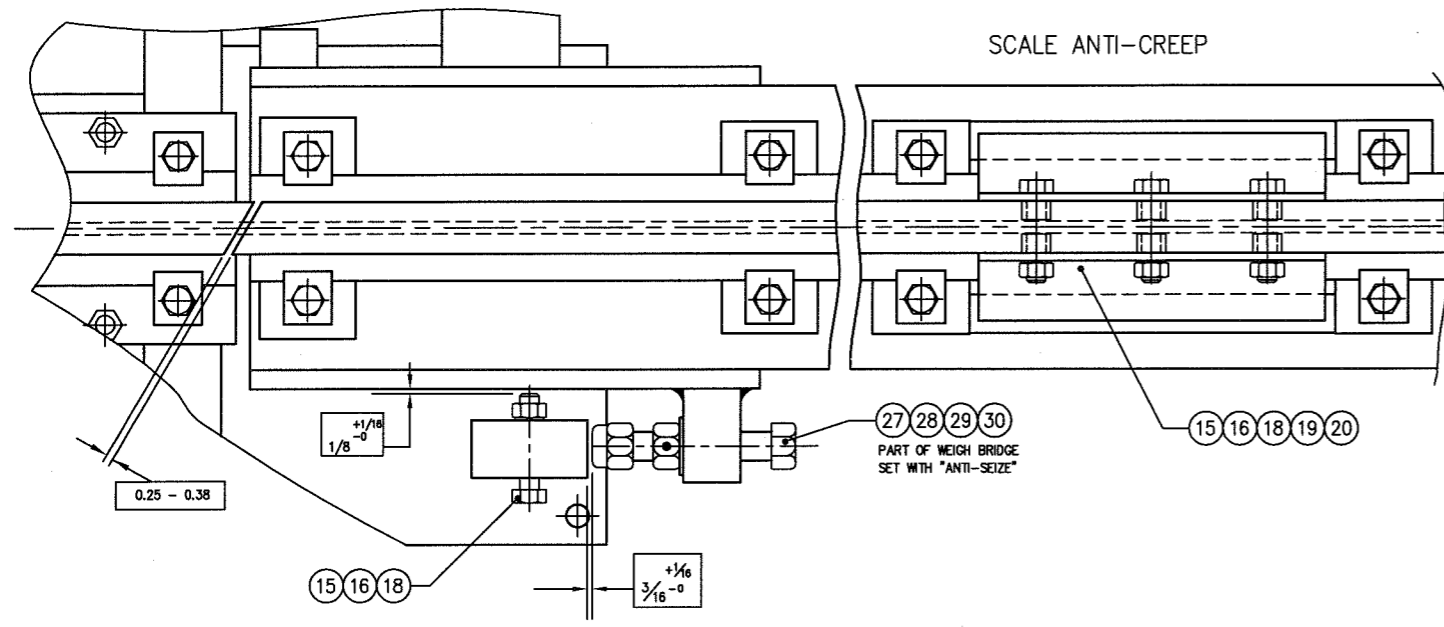
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ALL SHARP CORNERS AND EDGES TO BE BROKEN
 DIMENSIONS ARE IN INCHES.
 TOLERANCES UNLESS SPECIFIED OTHERWISE:
 MACHINING .XX = ± .010
 FABRICATION .XXX = ± .005
 DRAWN: CBM DATE: 8/5/02
 CHECKED: BLOZOG DATE: 8/16/02
 ACAD FILENAME: ACO0933
 LAYERS USED: ALL

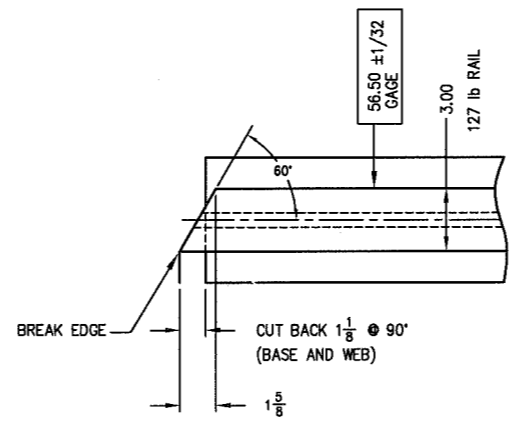
EMERY WINSLOW SCALE COMPANY
 SEYMOUR, CT U.S.A. TERRE HAUTE, IN.

MULTI-MODULE RAILROAD TRACK SCALE
 MODEL 64-170-12.5/12.5
 ABOVE GROUND ASSEMBLY

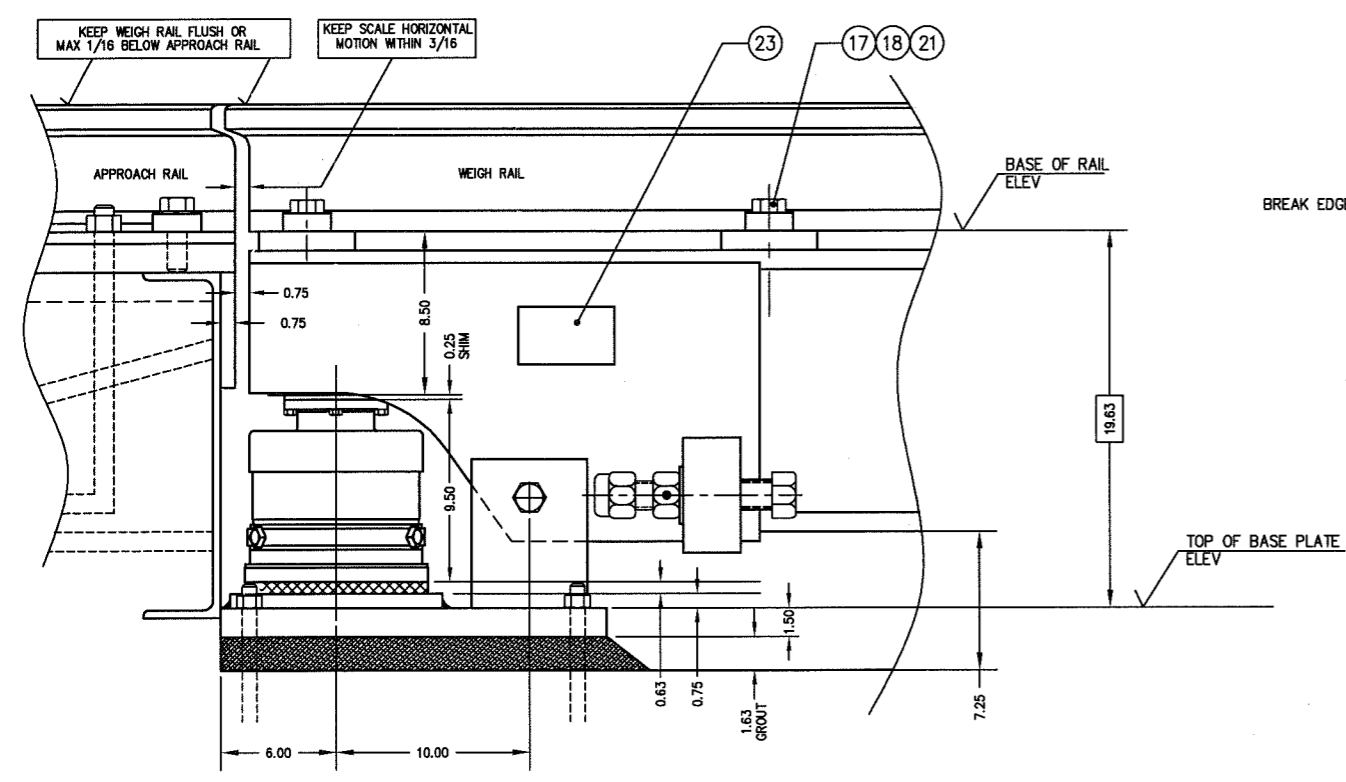
SCALE 1:20	FIRST USED ON J-17941	DRAWING NO. D-35611	REV 1 OF 2
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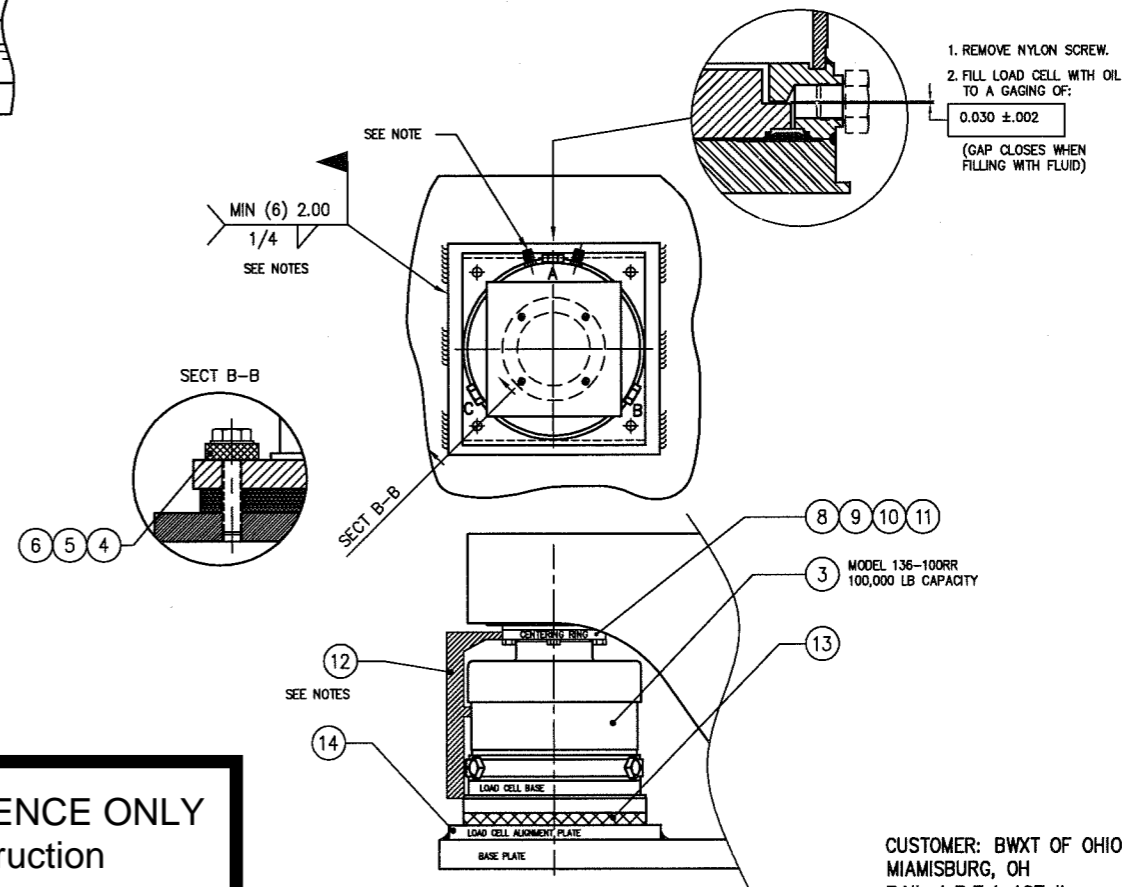
RAIL CUTTING:



ITEM NO.	DESCRIPTION	QTY	MATERIAL	UNIT WT.	PART NO.	SIZE	WT.
1							
2	WEIGH BRIDGE 12.5'	2	ASTM A36		D-35613	127 lb	
3	LOAD CELL	8	SS 304		D-35226	136-100RR	
4	HHCS	32	SS 304		0.500-13UNC X 2.25		
5	WASHER MS 15795	32	SS 304		0.531 ID X 1.06 OD	98019A209 McMASTER CARR	
6	WASHER	32	NEOPRENE		A-19911		
7							
8	SHIM	24	SS 304		A-29869-1	0.06 THICK	
9	SHIM	16	SS 304		A-29869-2	0.03 THICK	
10	CENTERING RING	8	CS/ZN		B-29871		
11	HHCS	32	SS 304		0.375-16 UNC X 1.25		
12	ALIGNMENT GAGE	1	ALUM		B-30305		
13	SHOCK PAD	8	NEOPRENE		A-35223	SQUARE	
14	LOAD CELL ALIGN PLATE	8	ASTM A36		B-35224		
15	HEX HD SCREW	20	CS/ZN		1.000-8 UNC X 5.00	FULL THREAD, GRD 8	
16	HEX HD NUT	20	CS/ZN		1.000-8 UNC	2H	
17	HHSC	56	CS/ZN		1.000-8 UNC X 2.00	A-325	
18	LOCK WASHER	76	CS/ZN		1.000		
19	RAIL ANTI-CREEP (SCALE)	8	CS		B-35617	127 lb RAIL	
20	RAIL SPACER	24	CS		A-35088		
21	RAIL CLIPS	56	CS		No 62	TROMAR	
22							
23	SCALE NAME TAG	2	SS		B-34821		
24	REMOVABLE COVER	REF	CS		B-35085	0.25 4-WAY SAFETY PLATE	
25	HHCS	REF	SS 304		0.625-11 UNC X 0.75		
26							
27	HHSC	REF	CS/ZN		1.500-6 UNC X 8.00	FULL THREAD, GRD 8	
28	LOCK NUT ASSEMBLY	REF	CS/ZN		A-32576	1.500-6 UNC 2H	
29	BUMPER HEAD	REF	CS/ZN		A-32713-Y		
30	WASHER	REF	SS 304		1.500		
31							
32							



BREAK EDGE
CUT BACK 1 1/8 @ 90° (BASE AND WEB)
1 5/8



FOR REFERENCE ONLY
Not for Construction

CUSTOMER: BWXT OF OHIO
MIAMISBURG, OH
RAIL A.R.E.A 127 lb

AMERICAN RAILROAD REQUIREMENTS

1. THE APPROACH RAILS SHALL BE IN THE SAME PLANE AND ALIGNMENT AS THE WEIGH RAILS WITHIN 1/32 AND SHALL BE PROPERLY ANCHORED TO PREVENT CREEPAGE OF APPROACH RAILS IN ORDER TO MAINTAIN THE GAP BETWEEN THE WEIGH RAIL AND THE APPROACH RAIL HEAD.
2. EXPANSION RAILS ARE REQUIRED AT BOTH APPROACHES TO MINIMIZE THE EFFECT OF THERMAL EXPANSION.
3. THE GAP BETWEEN THE WEIGH RAIL HEADS AND THE APPROACH RAIL HEADS SHOULD NOT BE LESS THAN 1/4 INCH NOR GREATER THAN 3/8 INCH.
4. TRAIN SPEED MUST NOT EXCEED 8 MPH.
5. KEEP SCALE LONGITUDINAL MOTION WITHIN 3/16 AND TRANSVERSE MOTION WITHIN 1/8.
6. WEIGH RAIL SHOULD BE NEW AND CONTINUOUS OVER ENTIRE SCALE LENGTH.

INSTALLATION NOTES:

1. ASSEMBLE LOAD CELL, SHOCK PAD AND ALIGNMENT PLATE.
2. PLACE WHOLE ASSEMBLY ON BASE PLATE. (TUBE FITTINGS SHOULD FACE A POSITION TO FACILITATE TUBING AND PURGING)
3. LOWER STRUCTURE ONTO LOAD CELL.
4. CENTER LOAD CELL BASE WITH RESPECT TO CENTERING RING BY USING ALIGNMENT GAGE AND MOVING WHOLE ASSEMBLY.
5. VERIFY SCALE BRIDGE LOCATION AND DOUBLE CHECK LOAD CELL ALIGNMENT. WELD ALIGNMENT PLATE.
6. TIGHTEN BOLTS.

ALL SHARP CORNERS AND EDGES TO BE BROKEN		EMERY WINSLOW SCALE COMPANY SEYMOUR, CT U.S.A TERRE HAUTE, IN.	
DIMENSIONS ARE IN INCHES. TOLERANCES UNLESS SPECIFIED OTHERWISE: MACHINING .XX = ± .01 FABRICATION .XXX = ± .005		MULTI-MODULE RAILROAD TRACK SCALE MODEL 64-170-12.5/12.5 ASSEMBLY DETAILS - ABOVE GROUND	
REV	DESCRIPTION	DATE	BY
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DRAWN: CBM DATE: 8/5/02		SCALE FIRST USED ON: 1:5	
CHECKED: IL (L) DATE: 8/16/02		DRAWING NO. D-35611	
ACAD FILENAME: ACC0934		REV 2 OF 2	
LAYERS USED: 1,2			