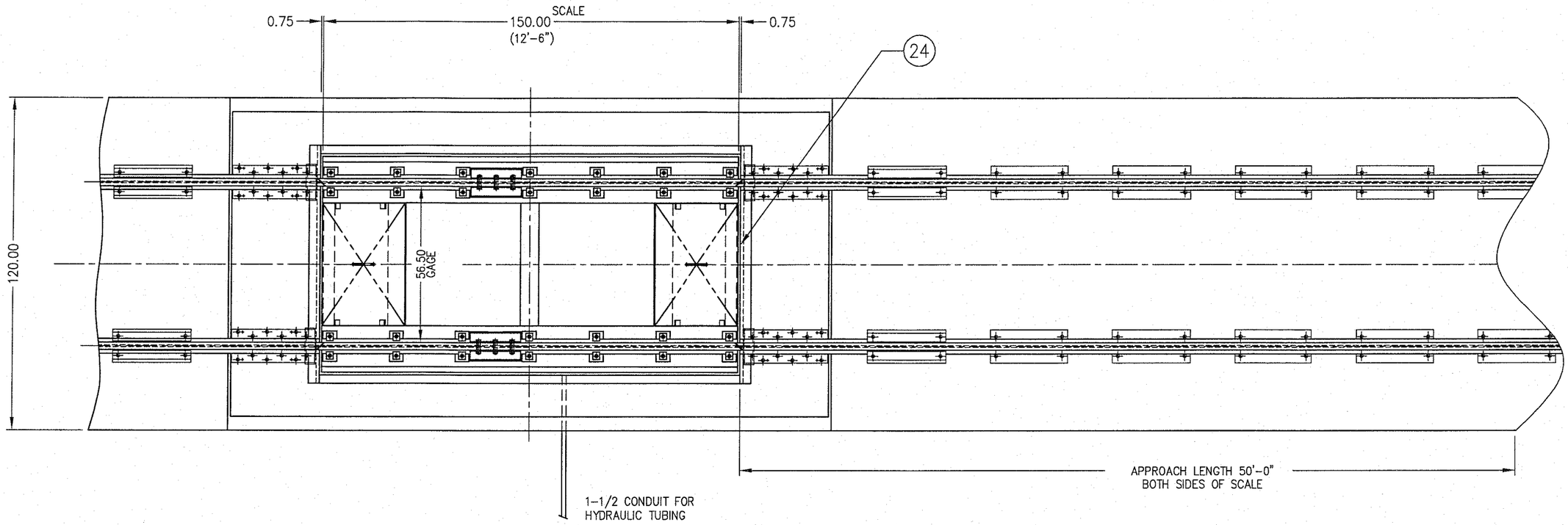
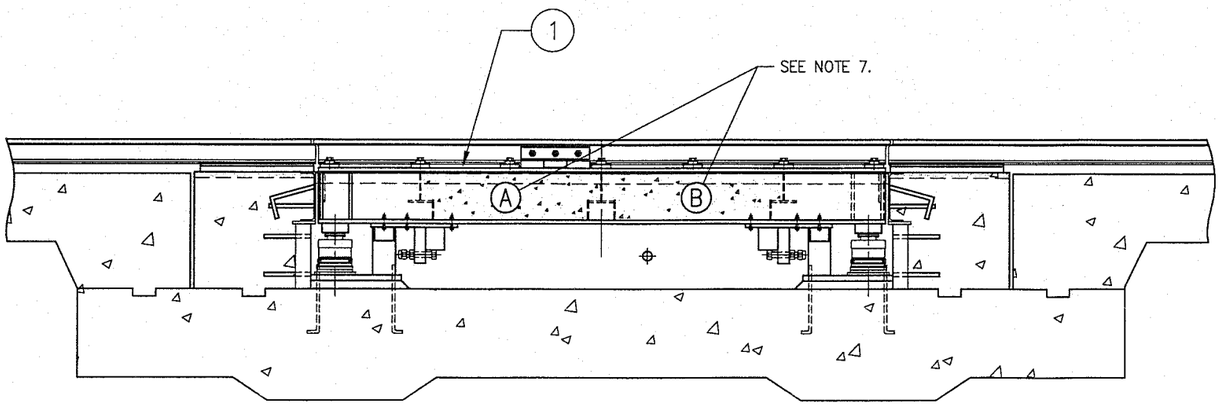
ITEM NO	DESCRIPTION	QTY	MATERIAL	UNIT WT	PART NO	SIZE	WT





FOR QUOTATION ONLY
NOT FOR MANUFACTURE

CUSTOMER: VULCAN SPIKE
LIPSCOMB, AL.

FOR REFERENCE ONLY
Not for Construction

NOTES:
1. WEIGH BRIDGE DESIGN FOR COOPER E80 LOADING
2. SECTIONAL CAPACITY 85 TON
3. SCALE CAPACITY 85 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. 115 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-35240 SHT 2/2	ASSEMBLY DETAIL AND MATERIAL LIST
D-35241	FOUNDATION SECTION
B-33069-2	TUBING DIAGRAM

REV	DESCRIPTION	DATE	BY
A	REVISED	11/3/99	CBM

ALL SHARP CORNERS AND EDGES TO BE BROKEN

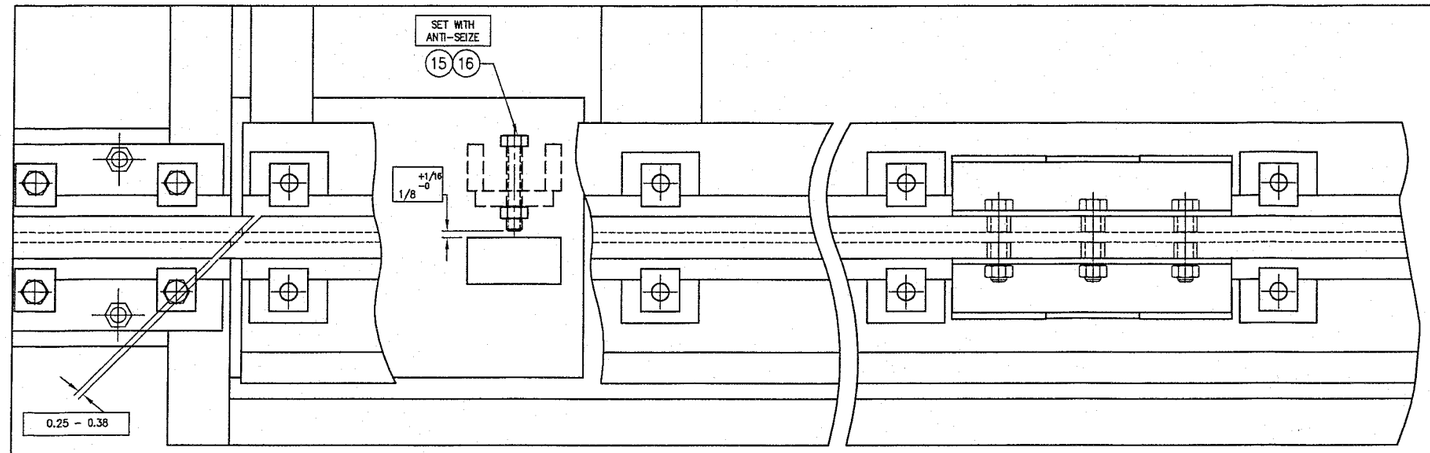
DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS SPECIFIED OTHERWISE:
MACHINING .XX = ± .010 .XXX = ± .005
STRUCTURAL ± .13

DRAWN: JDS DATE: 7/19/99
CHECKED: DATE:
ACAD FILENAME: AC00656
LAYERS USED: 1,2

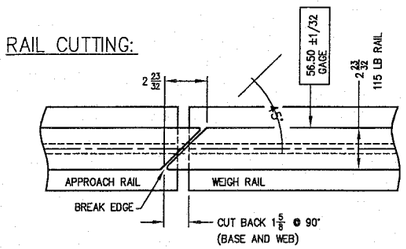
EMERY WINSLOW SCALE COMPANY
SEYMOUR, CT U.S.A TERRE HAUTE, IN.

SINGLE-MODULE RAILROAD TRACK SCALE
MODEL 62-85-12.5
SHALLOW PIT ASSEMBLY

SCALE	FIRST USED ON	DRAWING NO.	REV
1:20	J-16594	D-35240 1 OF 2	A

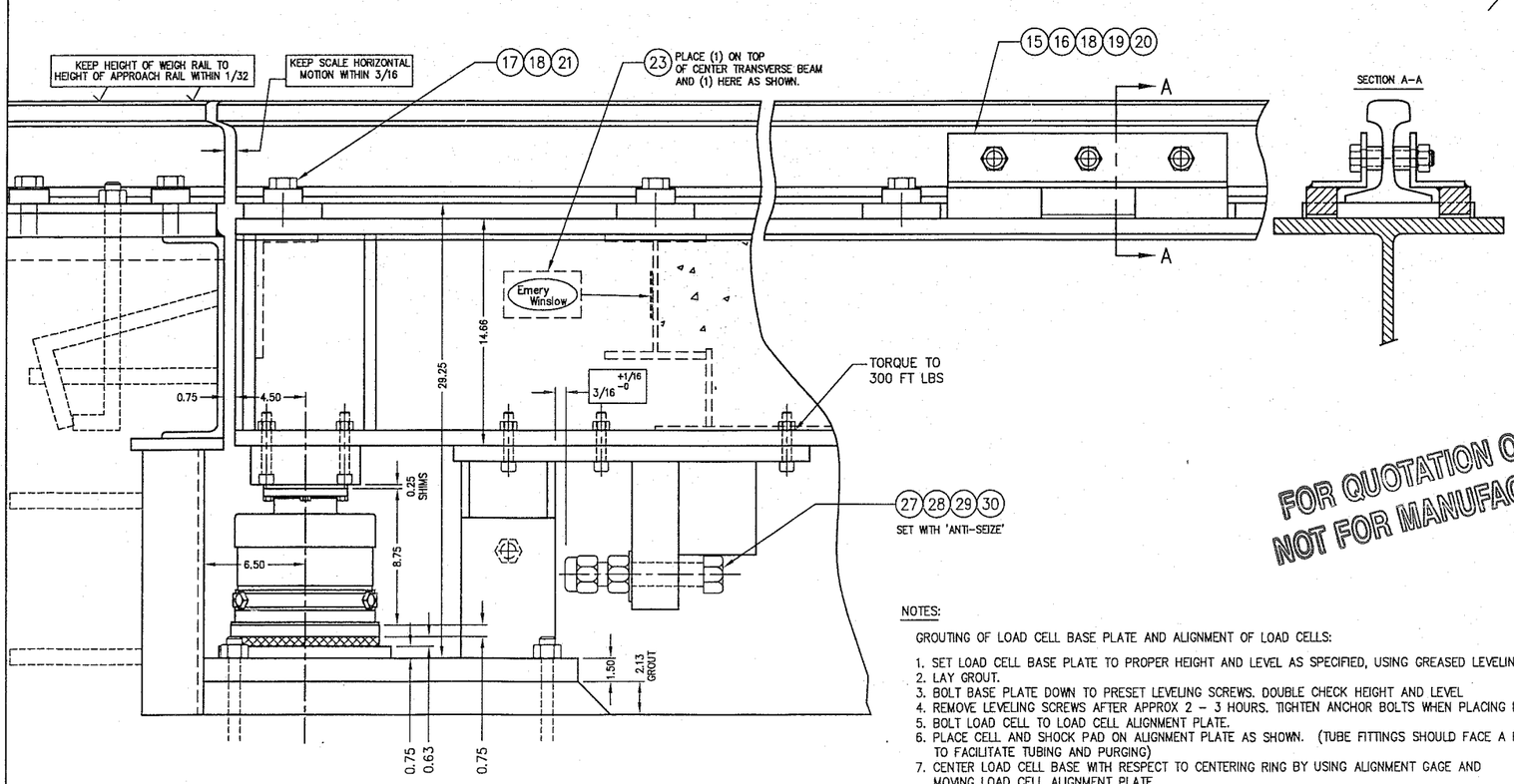


RAIL CUTTING:

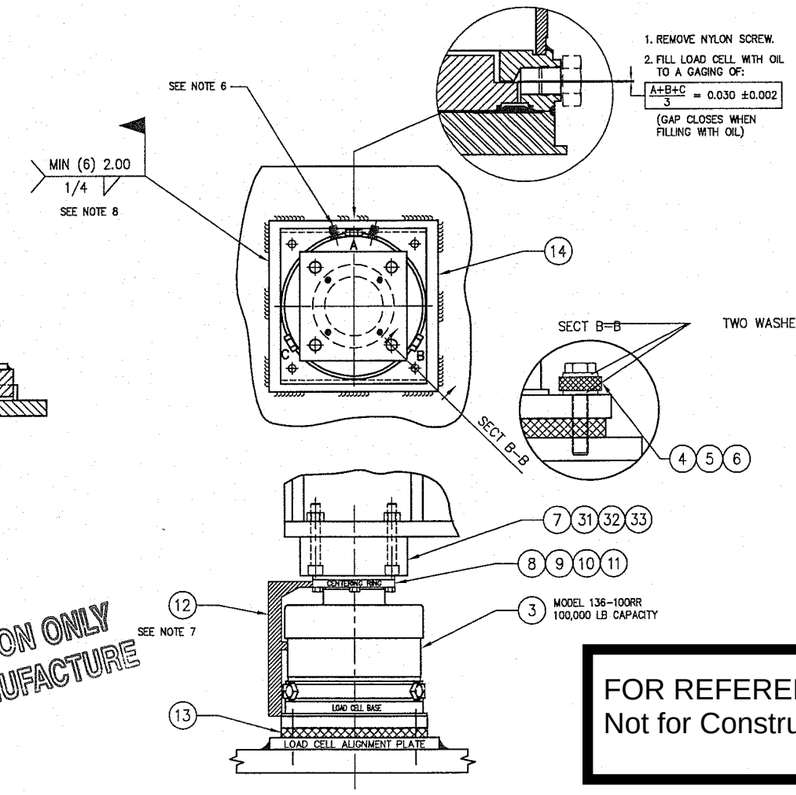


AMERICAN RAILROAD REQUIREMENTS

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.



ITEM NO	DESCRIPTION	QTY	MATERIAL	UNIT WT	PART NO	SIZE	WT
1	WEIGH BRIDGE 12.5'	1	ASTM A36		D-35217		
2							
3	LOAD CELL	4	SS 304		D-35226	136-100RR	
4	HHCS	16	SS 304		0.500-13UNC X 2.25		
5	WASHER MS 15795	32	SS 304		0.531 ID X 1.06 OD		
6	WASHER	16	NEOPRENE		A-19911		
7	LOAD PLATE	4	ASTM A36		A-35151-2	2.50 HIGH	
8	SHIM	12	SS 304		A-29869-1	0.06 THICK	
9	SHIM	8	SS 304		A-29869-2	0.03 THICK	
10	CENTERING RING	4	CS/ZN		B-29871		
11	HEX HD SCREW	16	SS 304		0.375-16 UNC X 1.25		
12	ALIGNMENT GAGE		ALUM		A-30305		
13	SHOCK PAD	4	NEOPRENE		A-35223	SQUARE	
14	LOAD CELL ALIGN PLATE	4	CS		B-35224	END	
15	HHCS	6	CS/ZN		1.00-8 UNC X 5.00	FULL THREAD, GRD 8	
16	HEX HD NUT	10	CS/ZN		1.00-8 UNC		
17	HHCS	28	CS/ZN		1.00-8 UNC X 2.00	TYPE A-325	
18	LOCK WASHER	34	CS/ZN		1.00		
19	RAIL ANTI-CREEP (SCALE)	4	CS		B-35111	115 LB.	
20	RAIL SPACER	12	CS		A-35068		
21	RAIL CLIPS	28	CS		No 62	ROMAR	
22							
23	SCALE NAME TAG	2	SS		B-34821		
24	REMOVABLE COVER	2	CS		B-35113	0.25 4-WAY SAFETY PLATE	
25							
26							
27	HHCS	4	CS/ZN		1.500-6 UNC X 8.00	FULL THREAD, GRD 8	
28	TRI-LOC SELF LOCKING NUT	4	CS/ZN		1.500-6 UNC	2H LOC-MOR, INC.	
29	BUMPER HEAD	4	CS/ZN		A-32713-Y		
30	WASHER	4	SS 304		1.500		
31	SHCS	16	CS/ZN		0.625-11 UNC X 4.00	GRD 8	
32	HEX HD NUT	16	CS/ZN		0.625-11 UNC	2H	
33	LOCKWASHER	16	CS/ZN		0.625		



FOR REFERENCE ONLY
Not for Construction

CUSTOMER: VULCAN SPIKE CO.
LIPSCOMB, AL.
RAIL A.R.E.A 115 LB

NOTES:

GROUTING OF LOAD CELL BASE PLATE AND ALIGNMENT OF LOAD CELLS:

1. SET LOAD CELL BASE PLATE TO PROPER HEIGHT AND LEVEL AS SPECIFIED, USING GREASED LEVELING SCREWS.
2. LAY GROUT.
3. BOLT BASE PLATE DOWN TO PRESET LEVELING SCREWS. DOUBLE CHECK HEIGHT AND LEVEL
4. REMOVE LEVELING SCREWS AFTER APPROX 2 - 3 HOURS. TIGHTEN ANCHOR BOLTS WHEN PLACING LOAD CELLS.
5. BOLT LOAD CELL TO LOAD CELL ALIGNMENT PLATE.
6. PLACE CELL AND SHOCK PAD ON ALIGNMENT PLATE AS SHOWN. (TUBE FITTINGS SHOULD FACE A POSITION TO FACILITATE TUBING AND PURGING)
7. CENTER LOAD CELL BASE WITH RESPECT TO CENTERING RING BY USING ALIGNMENT GAGE AND MOVING LOAD CELL ALIGNMENT PLATE.
8. LOWER STRUCTURE ONTO LOAD CELL AND WELD ALIGNMENT PLATE IN PLACE.
9. TIGHTEN BOLTS.

REV	DESCRIPTION	DATE	BY
A	REVISED	11/3/99	CBM

ALL SHARP CORNERS AND EDGES TO BE BROKEN

DIMENSIONS ARE IN INCHES.
TOLERANCES UNLESS SPECIFIED OTHERWISE:
MACHINING: .XX = ± .010, .XXX = ± .005
STRUCTURAL: ± .13

DRAWN: JDS DATE: 4/12/99
CHECKED: DATE:
ACAD FILENAME: AC00655
LAYERS USED: 1,2

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

SINGLE-MODULE RAILROAD TRACK SCALE
MODEL 62-85-12.5
ASSEMBLY DETAILS - SHALLOW PIT

SCALE	FIRST USED ON	DRAWING NO.	REV
1:5		D-35240 2 OF 2	A