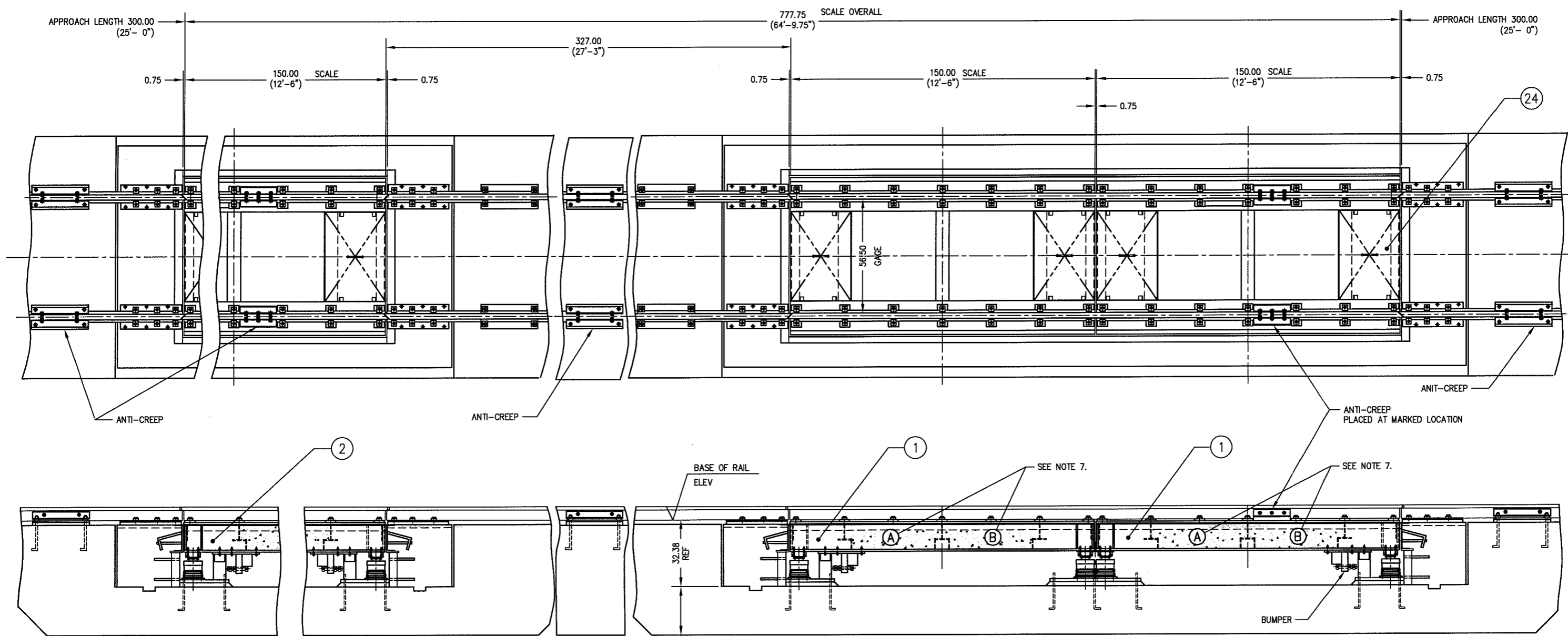
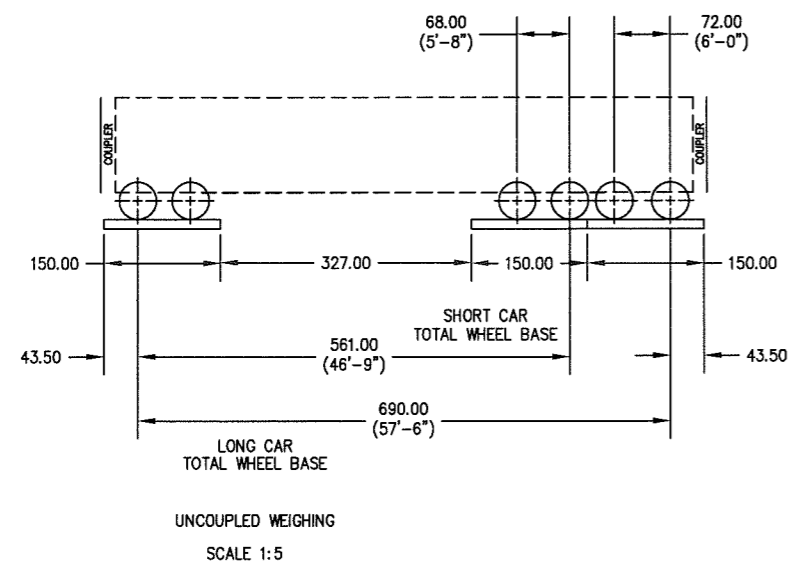


ITEM NO	DESCRIPTION	QTY	MATERIAL	UNIT WT	PART NO	SIZE	WT
---------	-------------	-----	----------	---------	---------	------	----



CUSTOMER: CAROLINA COTTON SEED CO.  
 KINGSTON, NC  
 SERVICING RAILROAD: NORFOLK SOUTHERN



**FOR REFERENCE ONLY**  
 Not for Construction

**NOTES:**

- RTS DESIGN AS PER A.A.R. LATEST REVISION
- WEIGH BRIDGE DESIGN FOR COOPER E80 LOADING
- SECTIONAL CAPACITY 85 TON
- SCALE CAPACITY 170 TON
- RTS NTEP C.O.C. No. 97-122
- HYDROSTATIC LOAD CELL 136-100RR (100,000 LB CAPACITY) NTEP C.O.C. No. 88-239-PA1
- WEIGH RAIL A.R.E.A. 115 LB. (BY OTHERS)
- 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-35630 SHT 2/2	ASSEMBLY DETAIL AND BILL OF MATERIAL LIST
D-35631 SHT 1/2	FOUNDATION
D-35631 SHT 2/2	FOUNDATION SECTION AND BILL OF MATERIAL
B-35073	TUBING DIAGRAM

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

**MULTI-MODULE RAILROAD TRACK SCALE**  
 MODEL 66-170-12.5/25  
 SHALLOW PIT ASSEMBLY

SCALE	FIRST USED ON	DRAWING NO.	REV
1:25		D-35630	1 OF 2

THIS DRAWING IS THE PROPERTY EMERY WINSLOW SCALE COMPANY SEYMOUR, CONNECTICUT. THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS NOT TO BE USED OR DISSEMINATED TO OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF EMERY WINSLOW SCALE COMPANY.

ALL SHARP CORNERS AND EDGES TO BE BROKEN

DIMENSIONS ARE IN INCHES.

TOLERANCES UNLESS SPECIFIED OTHERWISE:

MACHINING	STRUCTURAL
.XX = ± .010	.XX = ± .13
.XXX = ± .005	

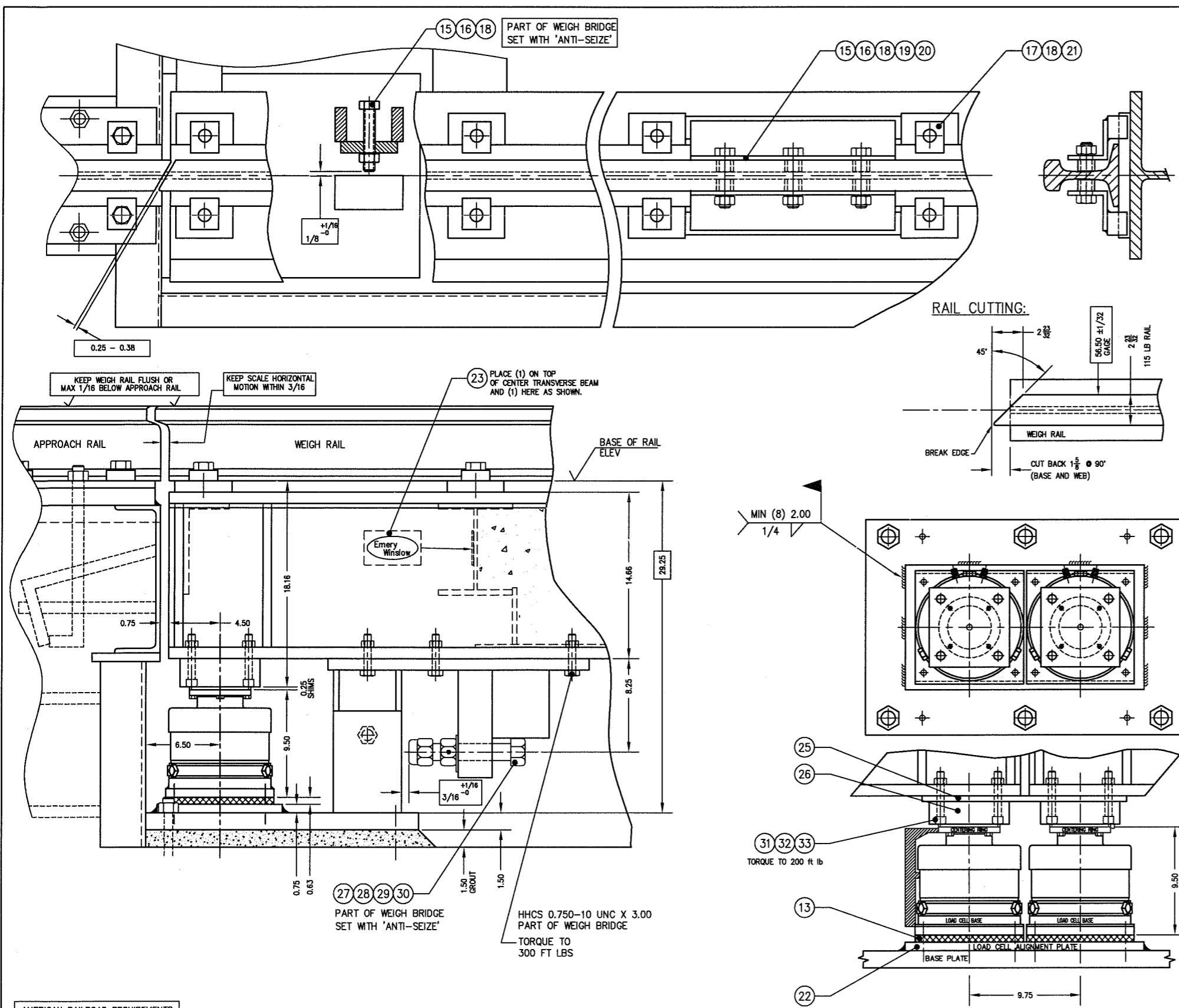
REV DESCRIPTION DATE BY

DRAWN: CBM DATE: 8/26/02

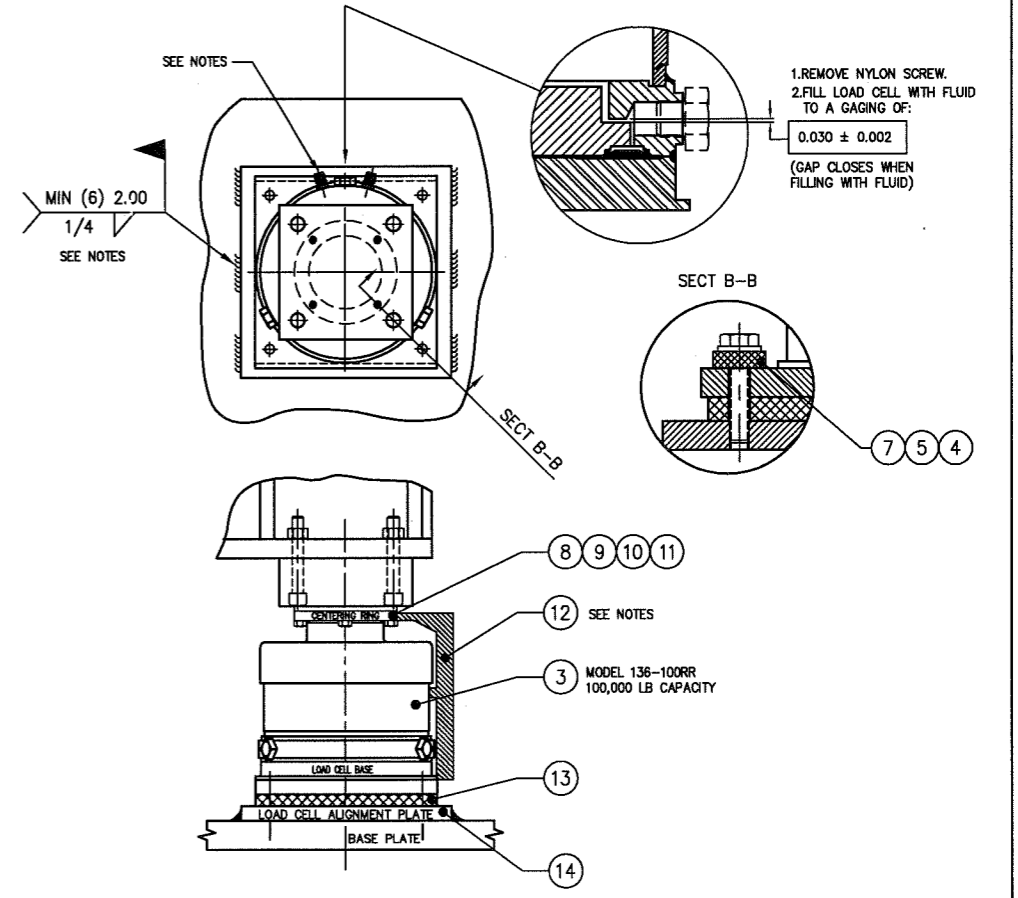
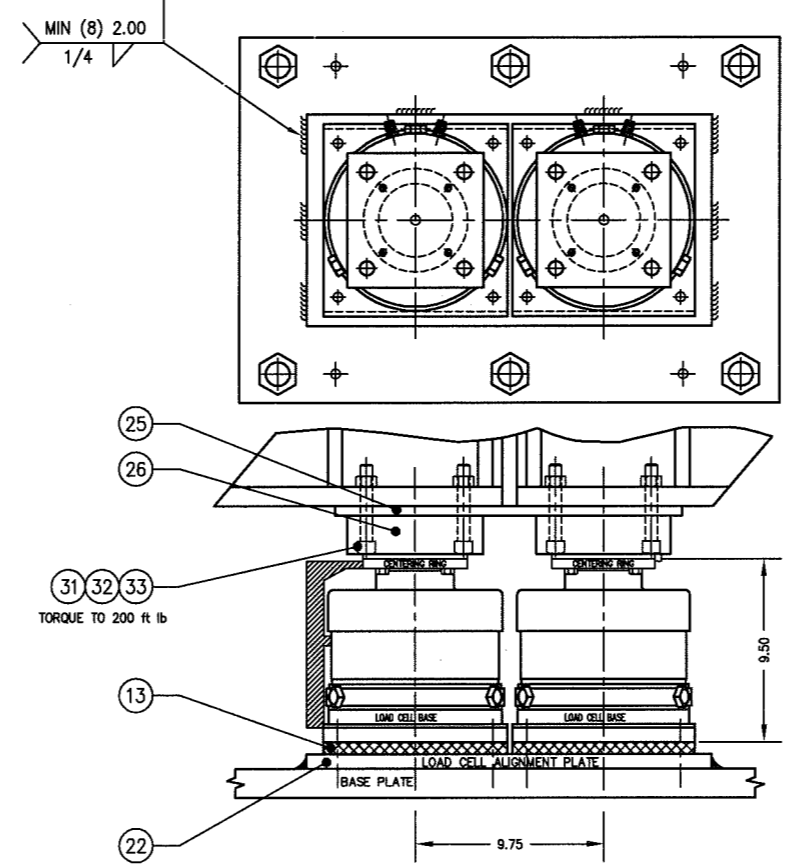
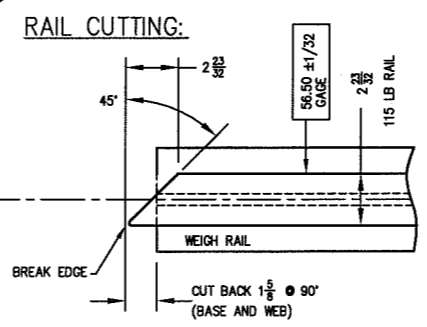
CHECKED: 0.0LZ06 DATE: 9/9/02

ACAD FILENAME: AC00944

LAYERS USED: ALL



ITEM NO	DESCRIPTION	QTY	MATERIAL	UNIT WT	PART NO	SIZE	WT
1	WEIGH BRIDGE 12.5' (25')	2	ASTM A36		D-35607	115 lb RAIL	
2	WEIGH BRIDGE 12.5'	1	ASTM A36		D-35217	115 lb RAIL	
3	LOAD CELL	12	SS 304		D-35226	136-100RR	
4	HHCS	48	SS 304		0.500-13UNC X 2.25		
5	WASHER MS 15795	48	SS 304		0.531 ID X 1.06 OD		
6							
7	WASHER	48	NEOPRENE		A-19911		
8	SHIM	36	SS 304		A-29869-1	0.06 THICK	
9	SHIM	24	SS 304		A-29869-2	0.03 THICK	
10	CENTERING RING	12	CS/ZN		B-29871		
11	HEX HD SCREW	48	SS 304		0.375-16 UNC X 1.25		
12	ALIGNMENT GAGE	1	ALUM		B-30305		
13	SHOCK PAD	12	NEOPRENE		A-35223	SQUARE	
14	LOAD CELL ALIGN PLATE	8	CS		B-35224	END	
15	HHCS	20	CS/ZN		1.00-8 UNC X 5.00	FULL THREAD, GRD 8	
16	HEX HD NUT	20	CS/ZN		1.00-8 UNC		
17	HHCS	84	CS/ZN		1.00-8 UNC X 2.00	TYPE A-325	
18	LOCK WASHER	104	CS/ZN		1.00		
19	RAIL ANTI-CREEP (SCALE)	8	CS		B-35617	115 lb	
20	RAIL SPACER	48	CS		A-35068		
21	RAIL CLIPS	84	CS		No. 62	ROMAR	
22	LOAD CELL ALIGNMENT PLATE	2	ASTM A36		B-35222	CENTER	
23	SCALE NAME TAG	3	SS		B-34821		
24	REMOVABLE COVER	6	CS		B-35113	0.25 4-WAY SAFETY PLATE	
25	TIE PLATE	REF	M1018		B-35150		
26	LOAD PLATE	REF	ASTM A36		A-35151		
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	SHCS	REF	CS/ZN		0.625-11 UNC X 4.00	GRD 8	
32	HEX HD NUT	REF	CS/ZN		0.625-11 UNC	2H	
32	LOCKWASHER	REF	CS/ZN		0.625		



AMERICAN RAILROAD REQUIREMENTS

- 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.
- EXPANSION RAILS ARE REQUIRED AT BOTH APPROACHES TO MINIMIZE THE EFFECT OF THERMAL EXPANSION.
- 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.
- TRAIN SPEED MUST NOT EXCEED 8 MPH.
- KEEP SCALE LONGITUDINAL MOTION WITHIN 3/16 AND TRANSVERSE MOTION WITHIN 1/8.
- WEIGH RAIL SHOULD BE NEW AND CONTINUOUS OVER ENTIRE SCALE LENGTH.

INSTALLATION NOTES:

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

FOR REFERENCE ONLY  
Not for Construction

CUSTOMER: CAROLINA COTTON SEED CO.  
KINGSTON, NC  
RAIL A.R.E.A 115 LB

ALL SHARP CORNERS AND EDGES TO BE BROKEN		DIMENSIONS ARE IN INCHES.	
TOLERANCES UNLESS SPECIFIED OTHERWISE:		MACHINING ±.010	
		STRUCTURAL ±.13	
THIS DRAWING IS THE PROPERTY OF EMERY WINSLOW SCALE COMPANY SEYMOUR, CONNECTICUT. THE INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS NOT TO BE USED OR DISSEMINATED TO OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF EMERY WINSLOW SCALE COMPANY.		DRAWN: CBM DATE: 8/26/02	
CHECKED: D.O.L. DATE: 9/9/02		ACAD FILENAME: ACC0945	
		LAYERS USED: 2,3	
EMERY WINSLOW SCALE COMPANY SEYMOUR, CT U.S.A. TERRE HAUTE, IN.		MULTI-MODULE RAILROAD TRACK SCALE MODEL 66-170-12.5/25 ASSEMBLY DETAILS - SHALLOW PIT	
SCALE 1:5	FIRST USED ON J-17923	DRAWING NO. D-35630	REV 2 OF 2