



- NOTES:
- TO ASSURE PROPER FIT, APPROACH RAILS MUST BE DRILLED (FOR ANTI-CREEP DEVICES) IN THE FIELD. AFTER THE RAIL IS LOCATED IN PLACE, USE THE ANTI-CREEP DEVICE AS A TEMPLATE TO LOCATE THE HOLES THROUGH THE RAIL WEB. IF THESE HOLES ARE TO BE DRILLED AFTER THE SPACER SLAB IS POURED, RAIL WILL NEED TO BE MARKED, LIFTED OUT AND DRILLED.
  - THE 22 INCH DIMENSION TO LOCATE THE FIRST SET OF APPROACH ANCHOR BOLTS OFF EACH END WALL (INSIDE FACE) MUST BE MAINTAINED. THE REMAINING ANCHOR BOLTS ON THE 25' APPROACHES ARE TO BE LOCATED AT 2'-0 CENTERS.
  - APPROACH ANCHOR BOLTS, ANTI-CREEP DEVICES, RAIL PLATES AND RAIL CLIPS ARE ALL OPTIONAL, AND WILL BE SUPPLIED BY THURMAN SCALE COMPANY ONLY WHEN SPECIFIED ON THE SALES ORDER. SEE DETAIL E. RAILS (115 LB/YD. A.R.E.A.) WILL NOT BE SUPPLIED BY THURMAN SCALE.
  - THE SPACER SLABS ARE TO BE POURED 1/8" BELOW THE TOP OF THE RAIL, AND MAY BE POURED AFTER THE MAIN APPROACH SLAB. SEE NOTE 1. IF NOT POURED MONOLITHIC WITH THE MAIN APPROACH SLAB, THE SLABS ARE TO BE JOINED USING DOWELS OR OTHER METHODS.
  - CONCRETE: USE 4000 PSI COMPRESSIVE STRENGTH CONCRETE AT 28 DAY AGE. USE AIR ENTRAINMENT OF 5-7%. REINFORCING STEEL AND CONCRETE IS TO BE PLACED ACCORDING TO THE BEST PRACTICE AS PRESCRIBED BY THE LATEST A.C.I. CODE AND A.R.E.A. CHAPTER 8.
  - EPOXY GROUTING: APPROACH RAIL PLATES AND SCALE GROUT PLATES MUST BE EPOXY GROUTED IN PLACE AFTER WEIGHBRIDGES, LOADCELLS, CHECK BRACKETS AND APPROACH RAILS ARE IN CORRECT WEIGHING POSITION. USE EPOXY TYPE GROUT TO DEVELOP 10,000 PSI COMPRESSIVE STRENGTH. FOLLOW THE GROUT MANUFACTURER INSTRUCTIONS FOR SURFACE PREPARATION, FORMS, MIXING AND PLACEMENT PROCEDURES.

APPROACH REINFORCING STEEL SCHEDULE		A.S.T.M. A-615 GRADE 60						
B		A						
SYM	SIZE	QTY	LOCATION	TOTAL LENGTH	A	B	C	WEIGHT
ST13	#6	50	LAT. (25) TOP, (25) BTM	12'- 3				920
ST14	#6	26	LONG. (13) TOP, (13) BTM	24'- 6				957
L5	#6	13	APPROACH/WALL CORNER	5'- 0	2'- 6	2'- 6		98
ST15	#4	5	LONG. MID. SPACER SLAB	24'- 6				82
ST16	#4	8	LONG. SIDES SPACER SLAB	24'- 6				131
ST17	#4	60	LAT. SIDES SPACER SLAB	2'- 9				110
ST18	#4	30	LAT. MID. SPACER SLAB	3'- 3				65
TOTAL REBAR WEIGHT (ONE 25' APPROACH)								2363 LBS

SUMMARY OF CONCRETE QUANTITIES	
MAIN APPROACH SLAB	24 CU. YDS.
SPACER SLABS	8 CU. YDS.

THIS DRAWING IS SUPPLIED AS CHECKED BELOW:

REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION)

CHECKED FOR CONSTRUCTION, THURMAN SCALE COMPANY

CUSTOMER P.O.# \_\_\_\_\_ DATE: \_\_\_\_\_

(ORDER ON HOLD UNTIL SIGNED COPY IS RETURNED)

APPROVED AS DRAWN, APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED AS NOTED, APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

TOLERANCES (UNLESS OTHERWISE SPECIFIED) = 1/64"

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

THURMAN SCALE COMPANY  
255 E. LIVINGSTON AVE.  
COLUMBUS, OHIO 43215  
PH: (614) 221-9077  
FAX: (614) 221-9879

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TITLE: 8710 COMBO TRUCK/RR SCALE  
25' APPROACH DETAILS 115#/YD A.R.E.A. RAIL

DATE: 03/30/09 DRAWING NUMBER: 92178-DP4 SHEET 2 OF 3

REV