



FOUNDATION CONCRETE 4000 PSI MINIMUM	
LOCATION	QTY (CU. YDS)
SCALE BASE SLAB	12
APPROACH SLABS	77
RETAINING WALL	2
TOTAL CONCRETE	91

FOUNDATION REINFORCING SCHEDULE ASTM #15 - GRADE 60					
MARK	QTY	SIZE	LENGTH	BENDING	WEIGHT (LBS)
HR1	38	#6	8'-8"	8'-8"	495
HR2	26	#6	18'-8"	18'-8"	730
HR3*	180	#5	18'-9"	18'-9"	3520
HR4	296	#5	8'-8"	8'-8"	2674
HR5	4	#5	17'-0"	17'-0"	71
BR1	74	#5	4'-0"	6' 3"-6"	309
TOTAL WEIGHT					7799

REINFORCING BAR SCHEDULE NOTES:
*INDICATES THAT REBAR MAY BE SPLICED TO MAKE LONG LENGTHS BY USING 4'-0" SPLICE JOINT.

- GENERAL NOTES:
- THIS DRAWING IS INTENDED TO SHOW FOUNDATION CONSTRUCTION DETAILS FOR FAIRBANKS MODEL 2000 RAILROAD TRACK SCALE. REFER TO DRAWING DMM170410-SP FOR SCALE INSTALLATION DETAILS.
 - THE FOUNDATION DETAILS AS SHOWN ON THIS DRAWING ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 4,000 PSF AS REQUIRED BY AAR.
 - A SOIL ANALYSIS OF THE SITE SHOULD BE PERFORMED TO DETERMINE ACTUAL SOIL BEARING CAPACITY. IF THE SOIL DOES NOT HAVE A BEARING CAPACITY OF AT LEAST 4,000 PSF, AND ITS BEARING CAPACITY CAN NOT BE INCREASED BY DRAINAGE OR OTHER MEANS, PILE FOUNDATIONS MAY BE REQUIRED.
 - FOR LOCATIONS WITH SOILS THAT ARE WELL DRAINED, THE EXCAVATION SHALL BE TO THE SAME PLANE AS THE BOTTOM OF THE BASE SLAB. IN LOCATION WITH SOIL OF LOW PERMEABILITY AND POOR DRAINAGE, OVER-EXCAVATION AND BACKFILLING WITH AN ENGINEERED GRANULAR MATERIAL IS RECOMMENDED. COMPACT TO A MINIMUM OF 95% DENSITY.
 - CONCRETE SHALL BE 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. REINFORCING STEEL TO CONFORM TO ASTM SPEC A-615 FOR GRADE 60.
 - REINFORCING STEEL AND CONCRETE SHOULD BE PLACED ACCORDING TO THE BEST PRACTICE AS PRESCRIBED BY THE LATEST ACI CODE AND A.R.E.M.A. MANUAL CHAPTER 8.
 - AAR REQUIRES A 75 FEET LG. CONCRETE APPROACH AT EACH END OF A SCALE USED FOR COUPLED IN MOTION WEIGHING. APPROACHES SHOULD BE ON THE SAME PLANE AND ALIGNMENT AS SCALE.
 - THE FINISHED GRADE OF SURROUNDING AREA IS TO BE SLOPED AWAY FROM THE SCALE FOUNDATION TO PROVIDE DRAINAGE AWAY FROM THE SCALE FOUNDATION.
 - THE FOUNDATION DIMENSIONS SHOWN ARE THE MINIMUM TO ACCOMMODATE THE SCALE. LOCAL WEIGHTS AND BUILDING CODE AND MEASUREMENTS REGULATION MAY SPECIFY ADDITIONAL INSTALLATION REQUIREMENTS. IN ORDER TO ENSURE COMPLIANCE, CONSULT THE GOVERNING WEIGHTS AND MEASURES DEPARTMENT PRIOR TO CONSTRUCTION.
 - GROUND ROD LOCATION MARKED "SGR" INDICATE APPROXIMATE LOCATIONS FOR 3 GROUND RODS SUPPLIED BY FAIRBANKS SCALES AS FOUNDATION EMBED ITEMS. THESE GROUND RODS ARE INTENDED TO BE USED AS PART OF THE SCALE GROUNDING KIT.
 - GROUND ROD LOCATION MARKED "AGR" INDICATE APPROXIMATE LOCATIONS FOR 2 GROUND RODS SUPPLIED BY CUSTOMER OR CONTRACTOR. THESE GROUND RODS ARE INTENDED TO BE USED TO GROUND ALL APPROACH RAILS ADJACENT TO SCALE.
 - ONE GROUND ROD SHOULD BE USED TO GROUND THE SCALE PIT POWER SUPPLY. THIS ROD SHOULD BE LOCATED AT THE SCALE SECTION WHERE THE PIT POWER SUPPLY IS MOUNTED. REFER TO FAIRBANKS GROUNDING KIT INSTRUCTION BULLETIN FOR ADDITIONAL INFORMATION.
 - IF ALTERING CURRENT (AC) IS REQUIRED IN PIT, IT SHALL NOT RUN CLOSER THAN 24" IN PARALLEL TO ANY CELL CABLE.

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE AS FOLLOWS:
DIMENSIONS: ±.015"
ANGLES: ±.5°
HOLE DIAMETERS: +.005"
HOLE SPACINGS: ±.005"

MODEL 2000 LOW PROFILE RAILROAD SCALE 12'-6" SINGLE RIGID CHECKING

85 TONS PER SECT. 85 TONS NOMINAL CAP.

FAIRBANKS SCALES, INC. SCALE: VARIES DRAWING NUMBER CHECKED: SHEET: 1 OF 1 DATE: 06/24/20 APPROVED: DRAWING NUMBER: DMM-170410-P2_ILLUSTRATIVE