



REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60 [420 MPa] OR EQUIVALENT)					
COLD FORM BARS TO INSIDE DIMENSIONS		A B			
SYM	QTY	SIZE	LOCATION, DIRECTION	A	B WEIGHT
ST1	35	#6 [ø19]	FOOTERS, LATERAL	11'-0 [3353]	579 LB [263 Kg]
ST2	4	#5 [ø16]	ENDS, LATERAL	11'-0 [3353]	46 LB [21 Kg]
			APPROACHES, LATERAL		229 LB [104 Kg]
ST3	22	#5 [ø16]	APPROACHES, LONG.	9'-6 [2896]	238 LB [108 Kg]
L1	22	#5 [ø16]	APPROACH TO END TIES	2'-3 [686]	121 LB [55 Kg]

L1 IS GIVEN WITHOUT RISER BASEPLATES. DIMENSION "B" AND WEIGHT WILL VARY WITH THE HEIGHT OF RISERS USED. AS FOLLOWS:

	L1-B	WGT
NO RISERS	2'-7 [787]	121 [55 Kg]
3" [76mm] RISERS	2'-10 [864]	128 [58 Kg]
6" [152mm] RISERS	3'-1 [940]	134 [61 Kg]

MATERIAL SUMMARY * (INCLUDES FOOTERS & APPROACHES) (DOES NOT INCLUDE SCALE DECK) (ASSUMES NO RISER BASEPLATES)	FOOTER DEPTH: "X" IN [mm] (24 INCH [610mm] MINIMUM)				
	24 [610]	36 [914]	48 [1219]	60 [1524]	72 [1829]
CONCRETE (YD [m]) ³	26 [19.1]	34.5 [25.6]	43 [32.1]	51.5 [38.6]	60 [45.1]
REINFORCING STEEL (LBS [kg])	1213 [551]				

* IF OPTIONAL WASHOUT SLABS ARE USED, ADD:
615 SQ. FT. OF WWF: 6x6-W1.4xW1.4
[57 m²] OF WWF: 152x152-MW9.1xW9.1
8 YD³ [6 m³] OF CONCRETE.

- NOTES:
- FOUNDATION REQUIRES MINIMUM 3000 PSI [20.7 MPa] STRENGTH CONCRETE AT 28 DAYS WITH 5-7% AIR ENTRAINMENT. SPECIFICATIONS FOR SCALE DECK CONCRETE IS FOUND ON CORRESPONDING GENERAL LAYOUT DRAWING.
 - USE MINIMUM 60 KSI [420 MPa] YIELD DEFORMED REINFORCING STEEL. REBAR MINIMUM DEPTH OF COVER SHOULD BE IN ACCORDANCE WITH THE LATEST ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-SECTION 7.7) UNLESS OTHERWISE SPECIFIED.
 - FOUNDATION REQUIRES 2500 PSF [119.7 KPa] RATED SOIL FOR HIGHWAY TRUCK APPLICATIONS.
 - TOP OF CONCRETE AT BASEPLATE LOCATIONS TO BE LEVEL AND IN ONE PLANE ±1/8" [3.2 mm].
 - DIAGONAL MEASUREMENTS ENDWALL TO ENDWALL MUST BE EQUAL WITHIN 1/2" [12.7 mm].
 - BASEPLATE ANCHORS TO BE SUPPLIED BY METTLER-TOLEDO. USE BASEPLATES AS TEMPLATES TO LOCATE ANCHORS DURING SCALE INSTALLATION.
 - RAMP LENGTH: -PER LOCAL REGULATIONS
-1/2" SLOPE PER FOOT [42mm SLOPE PER METER] TYPICAL
 - BOTTOM OF FOOTER MUST BE BELOW LOCAL FROSTLINE.
 - WASHOUT SLABS (PREFERRED) OR SOIL NEED TO BE FLUSH WITH THE TOP OF THE FOOTERS FOR PROPER PLACEMENT OF CONCRETE IN MODULES.
 - TOP OF FOOTER AT GRADE LEVEL, I.E. FLUSH WITH WASHOUT SLABS, PROVIDES STANDARD 3.25" [82mm] CLEARANCE BETWEEN BOTTOM OF WEIGHBRIDGE AND WASHOUT SLABS WHEN LOAD CELLS ARE INSTALLED.
 - OPTIONAL: 6" [150mm] OF GRAVEL MAY BE USED UNDER APPROACHES TO IMPROVE DRAINAGE.
 - CONTRACTOR SUPPLIES:
 - EXCAVATION
 - REINFORCING STEEL
 - CURB ANGLE ASSEMBLIES (SECT C-C)
 - CONCRETE AND FORMS
 - 1 1/2" [41] DIA CONDUIT
 - BUMPER PLATE ASSEMBLIES (VIEWS J-J & N-N)

DRAWING IS TO SCALE ONLY WHEN BORDER MEASURES 22-7/8" X 35" (FULL SIZE)

REV	CHANGE	BY	DATE	SCALE .02	METTLER TOLEDO
				DATE 06/23/14	
				DRN CMD APPD CMD	
				TITLE	
				VTC191 FDN VF 70x11 W/RSR	
				UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:	THIS PRINT IS FURNISHED WITH THE UNDERSTANDING THAT THE ESSENCE THEREOF WILL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF METTLER-TOLEDO, LLC. ALL DESIGNS ARE THE PROPERTY OF METTLER-TOLEDO, LLC AND WILL BE PROTECTED BY PATENTS.
				FRACTIONAL .XX ±.02	
				DECIMAL .XXX ±.005	
				ANGULAR ±.5°	61808144
					REV