



REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)						
COLD FORM BARS TO INSIDE DIMENSIONS						
SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WGT
COMMON TO BOTH 2' & 4'	ST1	8	#4	FLOOR, LONG.	40'-0	214
	ST2	8	#4	FLOOR, LONG.	36'-2	193
	ST3	39	#4	FLOOR, LATERAL	11'-8	304
	ST4	26	#4	FOOTERS, LONG.	5'-0	87
	ST5	28	#6	FOOTERS, LATERAL	11'-8	491
	ST6	20	#5	APPROACH, LATERAL	9'-8	202
	ST7	20	#5	END WALLS, LATERAL	9'-6	198
2' ONLY	L1	20	#5	APPROACH, LONG.	2'-6	104
	ST8	4	#4	SIDE WALLS, LONG.	40'-0	107
	ST9	4	#4	SIDE WALLS, LONG.	34'-4	92
	T1	24	#5	(SEE DETAIL ITEM T1)	7'-4	184
4' ONLY	L2	172	#4	WALL TO FLOOR TIES	2'-6	624
	L3	32	#5	(SEE DETAIL ITEM T1)	1'-0	100
	L4	8	#4	(CORNERS)	2'-0	47
	ST8	8	#4	SIDE WALLS, LONG.	40'-0	214
	ST9	8	#4	SIDE WALLS, LONG.	34'-4	183
	T1	40	#5	(SEE DETAIL ITEM T1)	7'-4	306
	L2	172	#4	WALL TO FLOOR TIES	2'-6	853
	L3	32	#5	(SEE DETAIL ITEM T1)	1'-0	167
	L4	16	#4	(CORNERS)	2'-0	94

THIS DRAWING CONTAINS INFORMATION TO BUILD EITHER A 2' OR 4' NOMINAL CLEARANCE PIT FOUNDATION. CONTRACTOR MUST KNOW DESIRED DEPTH BEFORE ORDERING MATERIALS.

MATERIAL SUMMARY & "Y" DIMENSION CHART		
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	2'	4'
CONCRETE (CU. YDS.)	45.5	55.5
REINFORCING STEEL	2967	3630
Y1 (SECTION A-A)	2'-11	4'-11
Y2 MINIMUM (SECTION A-A)	4'-3	6'-3

- NOTES:
- 1) USE MINIMUM 3000 PSI STRENGTH CONCRETE AT 28 DAYS WITH 5-7% AIR ENTRAINMENT.
  - 2) USE MINIMUM 60KSI 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.
  - 3) FOUNDATION REQUIRES 2000 PSF RATED SOIL FOR APPLICATIONS WHERE LOADINGS ARE AT OR BELOW OVER-THE-ROAD LEGAL HIGHWAY LIMITS. 2600 PSF FOR ALL OTHERS.
  - 4) TOP OF CONCRETE AT BASEPLATE LOCATIONS TO BE LEVEL AND IN ONE PLANE  $\pm 1/8"$ .
  - 5) DIAGONAL MEASUREMENTS ENDWALL TO ENDWALL MUST BE EQUAL WITHIN  $1/2"$ .
  - 6) BASEPLATE ANCHORS SUPPLIED BY METTLER-TOLEDO. USE BASEPLATES AS TEMPLATES TO LOCATE ANCHORS DURING SCALE INSTALLATION.
  - 7) RAMP LENGTH: -PER LOCAL REGULATIONS  
-1/2" SLOPE PER FOOT TYPICAL
  - 8) BOTTOM OF FOOTERS MUST BE BELOW LOCAL FROSTLINE.
  - 9) CONTRACTOR SUPPLIES:
    - EXCAVATION
    - REINFORCING STEEL
    - CURB ANGLE ASSEMBLIES (SECT B-B)
    - CONCRETE AND FORMS
    - 1 1/2" 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	DATE 10/08/09	DRN ADF	APPD JJS	TITLE VTC221 FOUNDATION, 70' X 10' PIT	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE: FRACTIONAL .XX ± .02 1/32 DECIMAL .XXX ± .005 ANGULAR ± .5°	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, INC. ALL DESIGNS ARE THE PROPERTY OF METTLER-TOLEDO, INC. AND WILL BE PROTECTED BY PATENTS.	TC207843	REV

