



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

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) CONDUIT LOCATIONS MAY VARY BASED ON APPLICATION, AS LONG AS IT DOES NOT INTERFERE WITH BASE PLATE OR ANCHOR LOCATIONS. ON ABOVE GROUND INSTALLATIONS, THE CONDUIT MAY BE RUN ALONG THE SIDE OF THE FOUNDATION. PLEASE CHECK FOR LOCAL CODE REQUIREMENTS REGARDING CONDUIT PLACEMENT.
- 10) 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)

MATERIAL SUMMARY & "Y" DIMENSION CHART		
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	2'	4'
CONCRETE (CU. YDS.)	60	71
REINFORCING STEEL	3639	4484
Y1 (SECTION A-A)	3'-0	5'-0
Y2 MINIMUM (SECTION A-A)	4'-6	6'-6

REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)

COLD FORM BARS TO INSIDE DIMENSIONS		A				
SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WGT
ST1	18	#4	FLOOR, LONG.	40'-0		481
ST2	9	#4	FLOOR, LONG.	18'-5		110
ST3	50	#4	FLOOR, LATERAL	12'-8		423
ST4	42	#4	FOOTERS, LONG.	5'-0		140
ST5	35	#5	FOOTERS, LATERAL	12'-8		462
ST6	20	#5	APPROACH, LATERAL	10'-8		223
ST7	22	#5	APPROACH, LONG.	9'-6		218
L1	22	#5	APPROACH TO END TIES	2'-6	2'-6	115

COMMON TO BOTH 2' & 4'	ST8	8	#4	SIDE WALLS, LONG.	40'-0		214
	ST9	4	#4	SIDE WALLS, LONG.	16'-10		45
	T1	30	#5	(SEE DETAIL ITEM T1)	7'-4		229
	L2	212	#4	WALL TO FLOOR TIES	2'-6	3'-0	779
	L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	2'-0	125

2' ONLY	L4	8	#4	(CORNERS)	2'-0	7'-4	53
4' ONLY	ST8	16	#4	SIDE WALLS, LONG.	40'-0		428
	ST9	8	#4	SIDE WALLS, LONG.	16'-10		90
	T1	50	#5	(SEE DETAIL ITEM T1)	7'-4		382
	L2	212	#4	WALL TO FLOOR TIES	2'-6	5'-0	1076

4' ONLY	L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	4'-0	209
	L4	16	#4	(CORNERS)	2'-0	7'-4	105
TITLE VTS231/7562C FOUNDATION, 90' X 11' PIT (4-MOD)	REV	CHANGE	BY	DATE	SCALE .02	METTLER TOLEDO	
	A	ADDED VTS231, PDX DETAIL, CONDUIT NOTE	KRS	06/15/10	DATE 08/14/03	DRN PAW APPD	

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:

FRACTIONAL .XX \pm .02
DECIMAL .XX \pm .02
ANGULAR \pm .5"

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REV A