



REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)						
SYM	QTY	SIZE	LOCATION, DIRECTION	DIMENSIONS		WGT
				A	B	
<b>COMMON TO BOTH 2' &amp; 4'</b>						
ST1	9	#4	FLOOR, LONG.	40'-0"		240
ST2	9	#4	FLOOR, LONG.	35'-8"		214
ST3	39	#4	FLOOR, LATERAL	12'-8"		330
ST4	28	#4	FOOTERS, LONG.	5'-0"		94
ST5	28	#5	FOOTERS, LATERAL	12'-8"		370
ST6	20	#5	APPROACH, LATERAL	10'-8"		223
	2	#5	END WALLS, LATERAL			22
ST7	22	#5	APPROACH, LONG.	9'-6"		218
L1	22	#5	APPROACH TO END TIES	2'-6"	2'-6"	115
<b>2' ONLY</b>						
ST8	4	#4	SIDE WALLS, LONG.	40'-0"		107
ST9	4	#4	SIDE WALLS, LONG.	33'-4"		89
T1	24	#5	(SEE DETAIL ITEM T1)	7'-4"		184
L2	174	#4	WALL TO FLOOR TIES	2'-6"	3'-0"	639
L3	32	#5	(SEE DETAIL ITEM T1)	1'-0"	2'-0"	100
L4	8	#4	(CORNERS)	2'-0"	7'-4"	53
<b>4' ONLY</b>						
ST8	8	#4	SIDE WALLS, LONG.	40'-0"		214
ST9	8	#4	SIDE WALLS, LONG.	33'-4"		178
T1	40	#5	(SEE DETAIL ITEM T1)	7'-4"		306
L2	174	#4	WALL TO FLOOR TIES	2'-6"	5'-0"	872
L3	32	#5	(SEE DETAIL ITEM T1)	1'-0"	4'-0"	167
L4	16	#4	(CORNERS)	2'-0"	7'-4"	105

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.)	50	60
REINFORCING STEEL	2998	3668
Y1 (SECTION A-A)	3'-0"	5'-0"
Y2 MINIMUM (SECTION A-A)	4'-6"	6'-6"

- NOTES:**
- USE MINIMUM 3000 PSI STRENGTH CONCRETE AT 28 DAYS WITH 5-7% AIR ENTRAINMENT.
  - 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.
  - 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.
  - TOP OF CONCRETE AT BASEPLATE LOCATIONS TO BE LEVEL AND IN ONE PLANE ±1/8"
  - DIAGONAL MEASUREMENTS ENDWALL TO ENDWALL MUST BE EQUAL WITHIN 1/2".
  - BASEPLATE ANCHORS SUPPLIED BY METTLER-TOLEDO. USE BASEPLATES AS TEMPLATES TO LOCATE ANCHORS DURING SCALE INSTALLATION.
  - RAMP LENGTH: -PER LOCAL REGULATIONS  
-1/2" SLOPE PER FOOT TYPICAL
  - BOTTOM OF FOOTERS MUST BE BELOW LOCAL FROSTLINE.
  - 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.
  - 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	DATE	APPD	REV
A	ST4 NOTE IN SECTION B-B REFERENCED ST3	MT	07/17/03	.02	06/13/03		
B	L2 WAS TOO LONG, ST7 WAS ON SECTION B-B	MDP	07/23/03				
C	ADDED VTS231, PDX DETAIL, CONDUIT NOTE	KRS	06/16/10				

**METTLER TOLEDO**

TITLE VTS231/7562C FOUNDATION,  
70' X 11' PIT (3-MOD)

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:  
FRACTIONAL .XX ±.02  
DECIMAL .XXX ±.005  
ANGULAR ±.5°

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TC205845