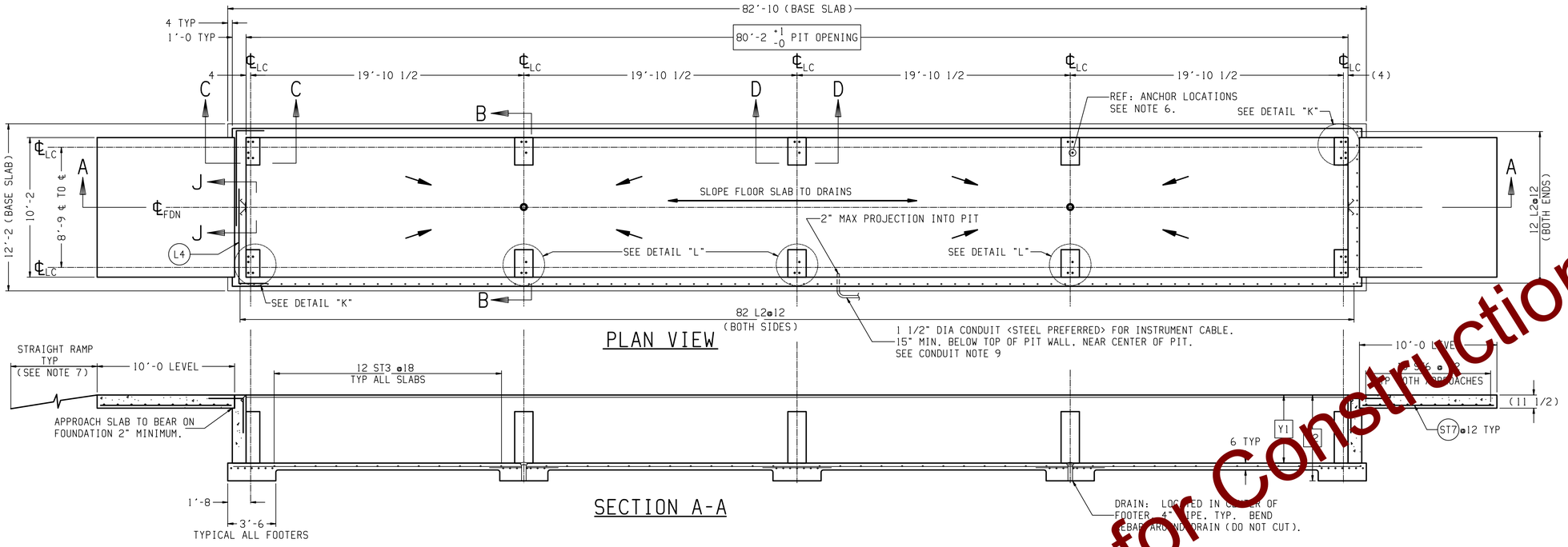
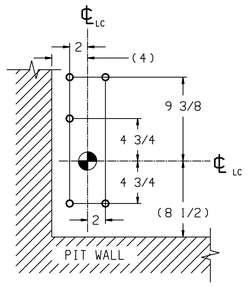
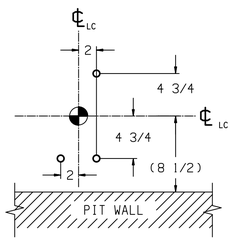


REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)							
COLD FORM BARS TO INSIDE DIMENSIONS					A / B		
	SYM	QTY	SIZE	LOCATION. DIRECTION	A	B	WGT
COMMON TO BOTH 2' & 4'	ST1	16	#4	FLOOR. LONG.	40'-0		428
	ST2	8	#4	FLOOR. LONG.	7'-8		41
	ST3	48	#4	FLOOR. LATERAL	11'-8		374
	ST4	39	#4	FOOTERS. LONG.	5'-0		131
	ST5	35	#6	FOOTERS. LATERAL	11'-8		614
	ST6	20	#5	APPROACH. LATERAL	9'-8		202
		2		END WALLS. LATERAL			21
	ST7	20	#5	APPROACH. LONG.	9'-6		199
	L1	20	#5	APPROACH TO END TIES	2'-6	2'-6	105
2' ONLY	ST8	8	#4	SIDE WALLS. LONG.	40'-0		214
	ST9	4	#4	SIDE WALLS. LONG.	5'-0		13
	T1	30	#5	(SEE DETAIL ITEM T1)	7'-4		229
	L2	188	#4	WALL TO FLOOR TIES	2'-6	3'-3	722
	L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	2'-0	125
	L4	8	#4	(CORNERS)	2'-0	6'-9	47
4' ONLY	ST8	16	#4	SIDE WALLS. LONG.	40'-0		427
	ST9	8	#4	SIDE WALLS. LONG.	5'-0		26
	T1	50	#5	(SEE DETAIL ITEM T1)	7'-4		382
	L2	188	#4	WALL TO FLOOR TIES	2'-6	5'-3	973
	L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	4'-0	209
	L4	16	#4	(CORNERS)	2'-0	6'-9	94

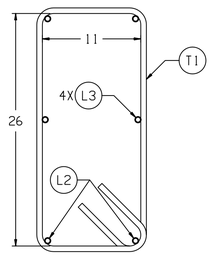
THIS DRAWING CONTAINS INFORMATION TO BUILD EITHER A 2' OR 4' NOMINAL CLEARANCE PIT FOUNDATION. CONTRACTOR MUST KNOW DESIRED DEPTH BEFORE ORDERING MATERIALS.



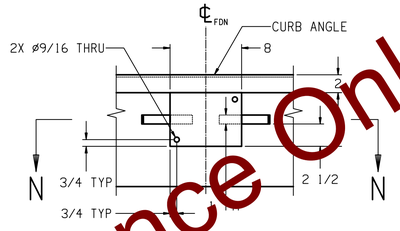
DETAIL "K"
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



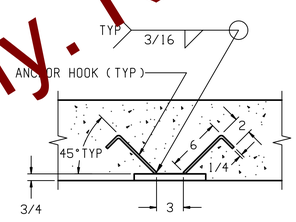
DETAIL "L"
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



DETAIL ITEM T1
SCALE: 1/8



VIEW J-J
(2) BASEPLATE ASSY'S (ONE EACH END)
MATERIAL: H.R. STEEL (BY OTHERS).

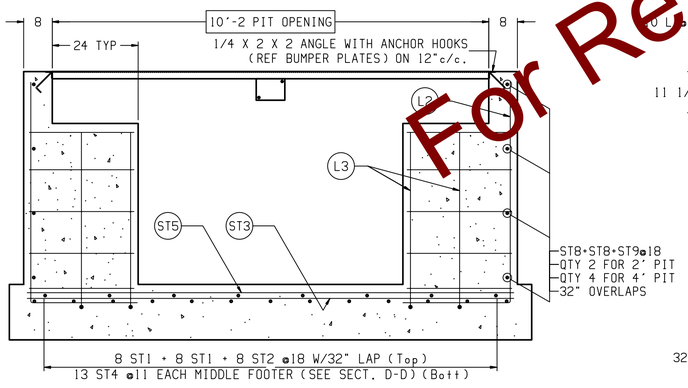


SECTION N-N

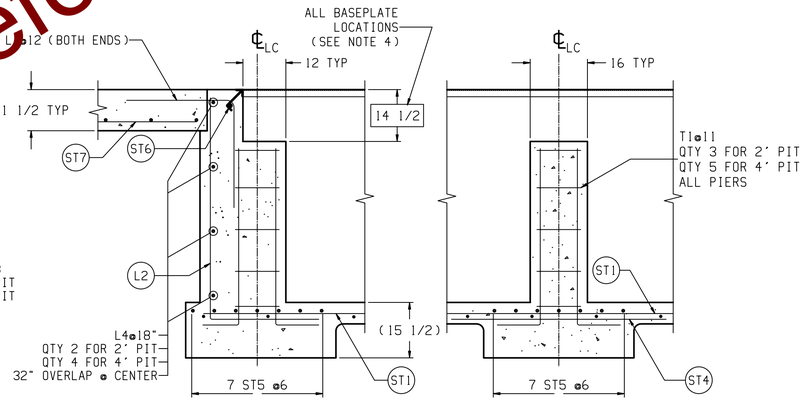
MATERIAL SUMMARY & "Y" DIMENSION CHART		
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	2'	4'
CONCRETE (CU. YDS.)	48	60
REINFORCING STEEL	3465	4226
Y1 (SECTION A-A)	2'-11 1/2	4'-11 1/2
Y2 (SECTION A-A) MINIMUM	4'-3	6'-3

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 ±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 LOCATONS. 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 -CONCRETE AND FORMS
   -REINFORCING STEEL -1 1/2" DIA CONDUIT
   -CURB ANGLE ASSEMBLIES -BUMPER PLATE ASSEMBLIES
   (SECT B-B) (VIEWS J-J & N-N)



SECTION B-B



SECTION C-C
(TYPICAL END FOOTER)

SECTION D-D
(TYPICAL MIDDLE FOOTER)
(SINGLE BASEPLATE)

For Reference Only. Not for Construction.

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

REV	CHANGE	BY	DATE
A	ADDED 7561 REFERENCE TO DRAWING TITLE		
	ADDED REBAR NOTE. CORRECTED ST2 & ST9 LENGTHS	HBW	06/14/00
B	UPDATED DETAILS	MDP	07/03/01
C	ADDED VTS231. PDX DETAIL. CONDUIT NOTE	KRS	06/16/10

SCALE .02
DATE 2/26/99
DRN JEB APPD
TITLE VTS231/7561A/7562A FOUNDATION: PIT 80' X 10', WITH 20' MODULES

METTLER TOLEDO

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:
FRACTIONAL ±1/32 DECIMAL .XX ±.02 .XXX ±.005 ANGULAR ±.5°

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TC203857 REV C