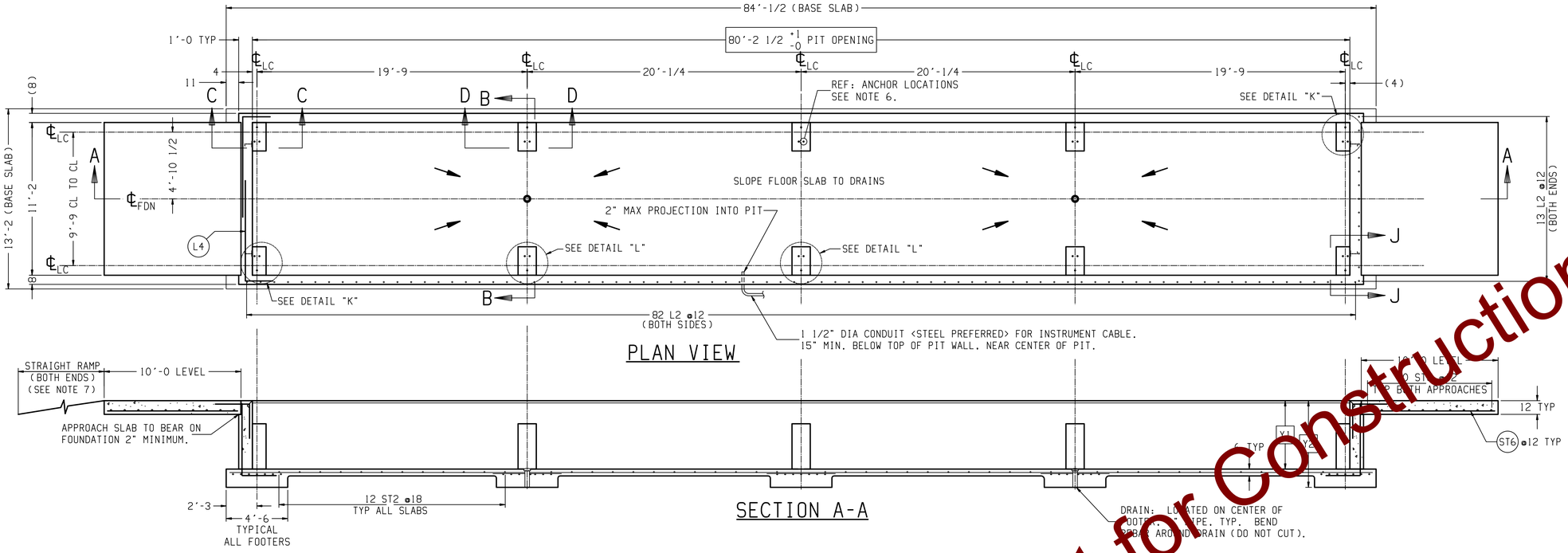
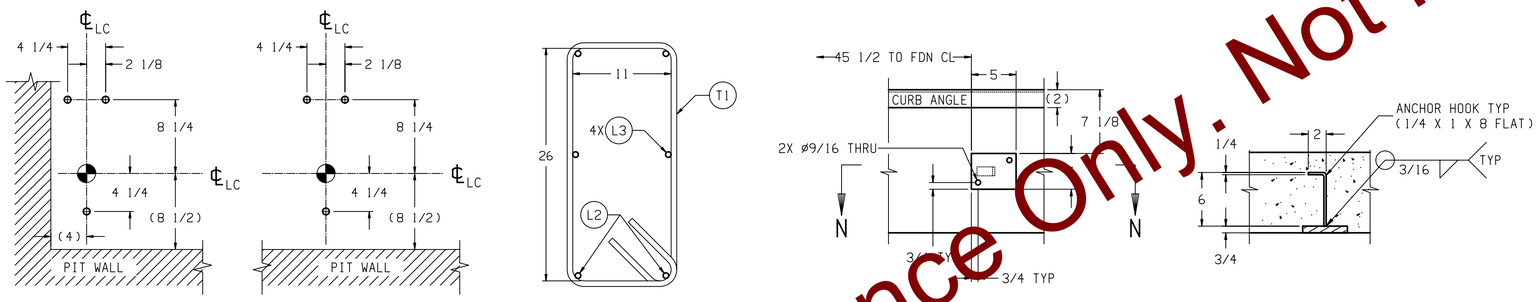




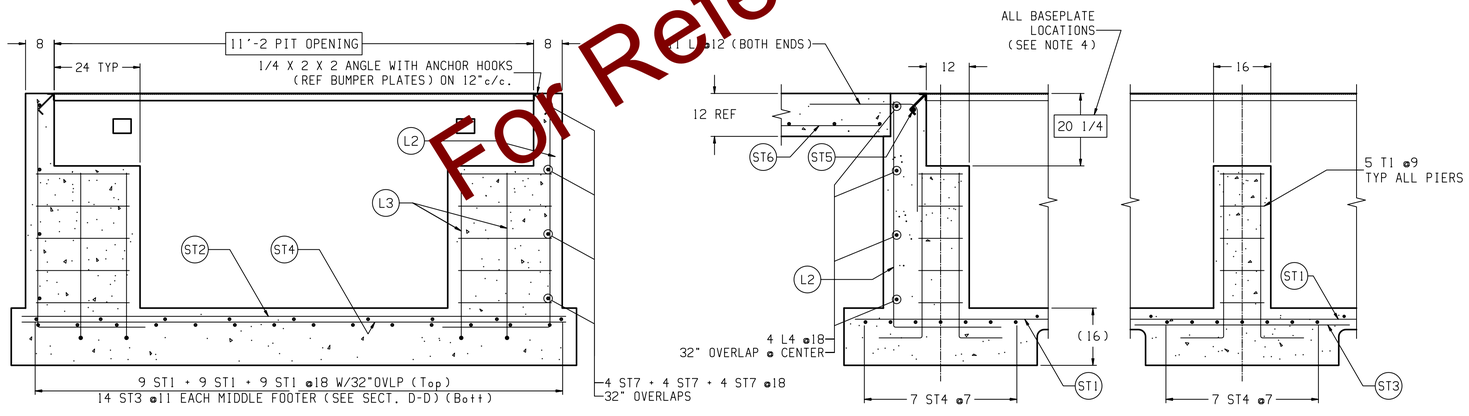
DETAIL "K"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

DETAIL "L"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

DETAIL ITEM T1
SCALE: 1/8

VIEW J-J
SCALE: 1/8
BUMPER PLATE ASSY'S: TWO EACH END.
MATERIAL: H.R. STEEL. (BY OTHERS).

SECTION N-N



SECTION B-B
SCALE: 1/20

SECTION C-C
SCALE: 1/20
(TYPICAL END FOOTER)

SECTION D-D
SCALE: 1/20
(TYPICAL MIDDLE FOOTER)
(SINGLE BASEPLATE)

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
ST1	27	#4	FLOOR, LONG.	29'-7		534
ST2	48	#4	FLOOR, LATERAL	12'-8		407
ST3	42	#4	FOOTERS, LONG.	5'-0		141
ST4	35	#6	FOOTERS, LATERAL	12'-8		666
ST5	20	#5	APPROACH, LATERAL	10'-8		223
	2		END WALLS, LATERAL			23
ST6	22	#5	APPROACH, LONG.	9'-6		218
ST7	24	#4	SIDE WALLS, LONG.	29'-0		465
T1	50	#5	(SEE DETAIL ITEM T1)	7'-4		383
L1	22	#5	APPROACH TO END TIES	2'-6	2'-6	115
L2	190	#4	WALL TO FLOOR TIES	2'-6	5'-3	984
L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	3'-10	202
L4	16	#4	(CORNERS)	2'-0	7'-4	100

MATERIAL SUMMARY & "Y" DIMENSION CHART	
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	4'
CONCRETE (CU. YDS.)	65.5
REINFORCING STEEL	4461
Y1 (SECTION A-A)	5'-0
Y2 MINIMUM (SECTION A-A)	6'-4

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.
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". THIS IS VERY IMPORTANT!! SCALE INSTALLATION WILL BE DIFFICULT IF NOT IMPOSSIBLE IF SQUARENESS IS NOT HELD TO THIS TOLERANCE.
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
   - -CONCRETE AND FORMS
   - -CURB ANGLE ASSEMBLIES (SECT B-B)
   - -1 1/2" DIA CONDUIT
   - -REINFORCING STEEL
   - -BUMPER PLATE ASSEMBLIES (VIEWS J-J & N-N)

For Reference Only, Not for Construction.

REV	CHANGE	BY	DATE

SCALE .02
DATE 8/23/10
DRN KRS APPD

METTLER TOLEDO

TITLE
VTC10X, FOUNDATION, DEEP PIT, 80' X 11'

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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TC208512 REV