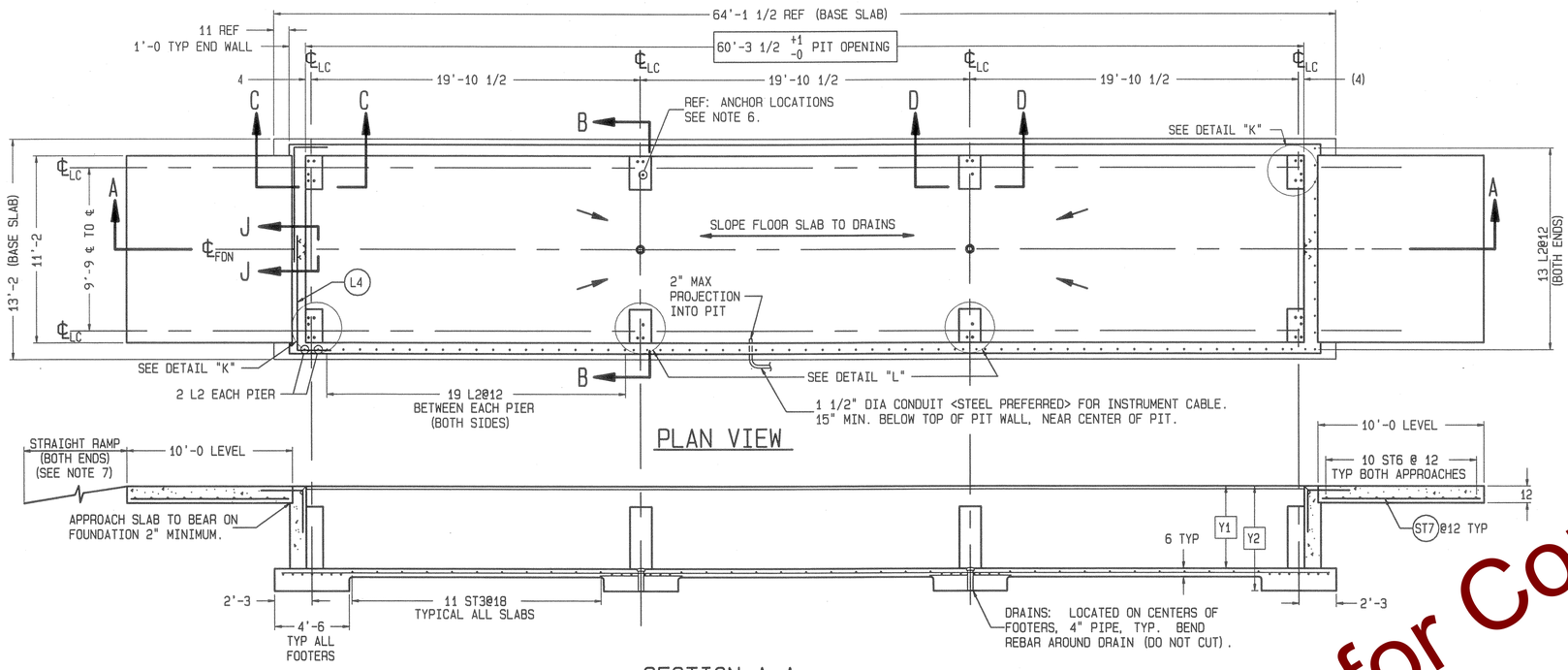
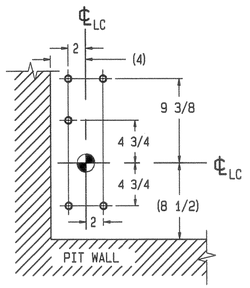
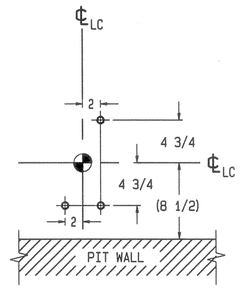


REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)							
COLD FORM BARS TO INSIDE DIMENSIONS					A / B		
	SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WGT
COMMON TO BOTH 2' & 4'	ST1	9	#4	FLOOR, LONG.	40'-0		240
	ST2	9	#4	FLOOR, LONG.	26'-3		158
	ST3	33	#4	FLOOR, LATERAL	12'-8		279
	ST4	28	#4	FOOTERS, LONG.	5'-0		94
	ST5	28	#6	FOOTERS, LATERAL	12'-8		533
	ST6	20	#5	APPROACH, LATERAL	10'-8		223
		2		END WALLS, LATERAL			22
	ST7	22	#5	APPROACH, LONG.	9'-6		218
	L1	22	#5	APPROACH TO END TIES	2'-6	2'-6	115
2' ONLY	ST8	4	#4	SIDE WALLS, LONG.	40'-0		107
	ST9	4	#4	SIDE WALLS, LONG.	24'-5		65
	T1	24	#5	(SEE DETAIL ITEM T1)	7'-4		184
	L2	156	#4	WALL TO FLOOR TIES	2'-6	2'-11	564
	L3	32	#5	(SEE DETAIL ITEM T1)	1'-0	2'-0	100
	L4	8	#4	(CORNERS)	2'-0	7'-4	50
4' ONLY	ST8	8	#4	SIDE WALLS, LONG.	40'-0		214
	ST9	8	#4	SIDE WALLS, LONG.	24'-5		130
	T1	40	#5	(SEE DETAIL ITEM T1)	7'-4		306
	L2	156	#4	WALL TO FLOOR TIES	2'-6	4'-11	773
	L3	32	#5	(SEE DETAIL ITEM T1)	1'-0	4'-0	167
	L4	16	#4	(CORNERS)	2'-0	7'-4	100

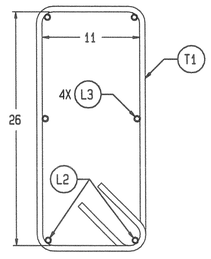
THIS DRAWING CONTAINS INFORMATION TO BUILD EITHER A 2' OR 4' NOMINAL CLEARANCE PIT FOUNDATION. CONTRACTOR MUST KNOW DESIRED DEPTH BEFORE ORDERING MATERIALS.



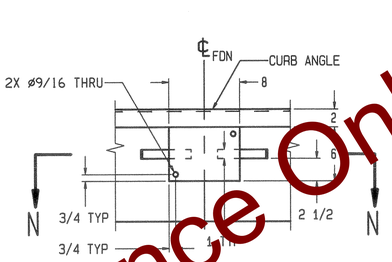
DETAIL "K"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



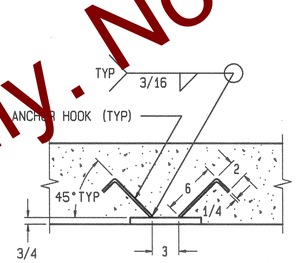
DETAIL "L"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



DETAIL ITEM T1
SCALE: 1/8

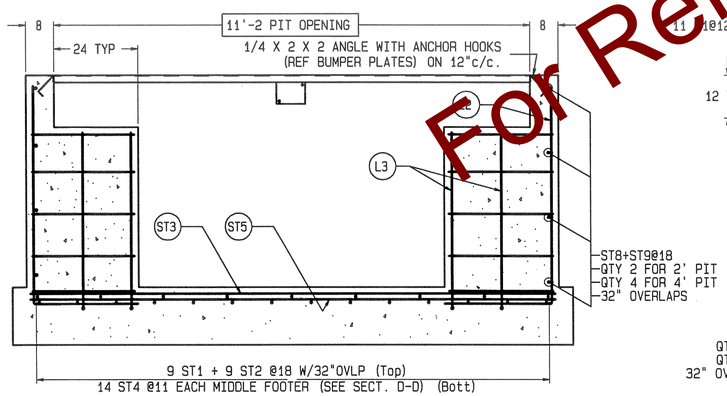


VIEW J-J
SCALE: 1/8
BUMPER PLATE ASSY'S (ONE EACH END)
MATERIAL: H.R. STEEL (BY OTHERS).

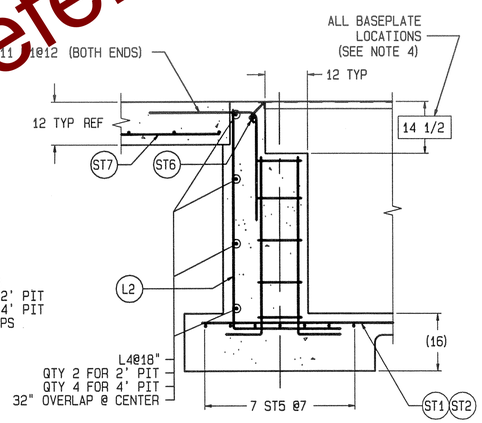


SECTION N-N
SCALE: 1/8

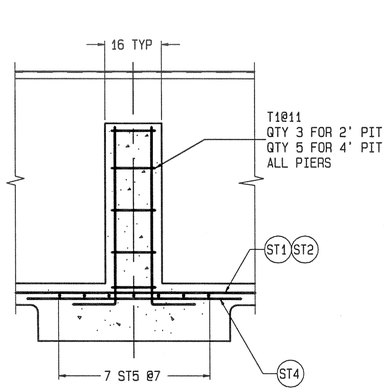
MATERIAL SUMMARY & "Y" DIMENSION CHART		
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	2'	4'
CONCRETE (CU. YDS.)	44.5	53.5
REINFORCING STEEL	2952	3572
Y1 (SECTION A-A)	2'-11	4'-11
Y2 MINIMUM (SECTION A-A)	4'-3	6'-3



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)

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) 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)

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

REV	CHANGE	BY	DATE

SCALE .02
DATE 08/26/09
DRN MT APPD

METTLER TOLEDO

TITLE VTC221 FOUNDATION, 60' X 11' PIT

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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TC207773 REV

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