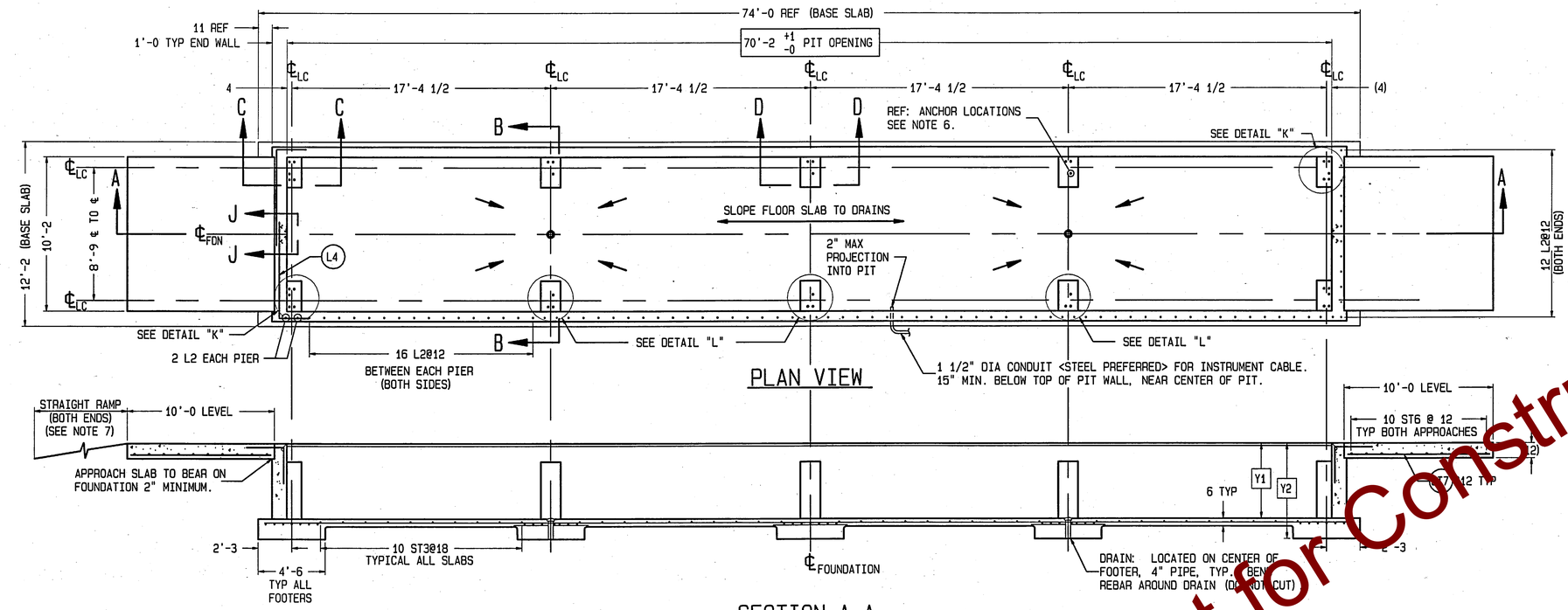
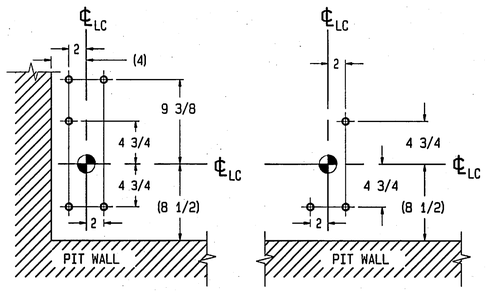
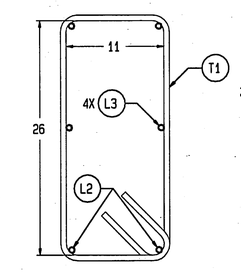


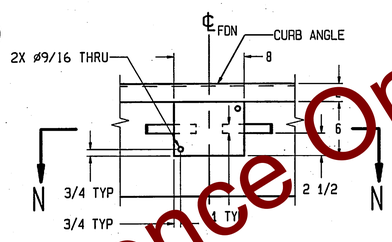


DETAIL "K"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

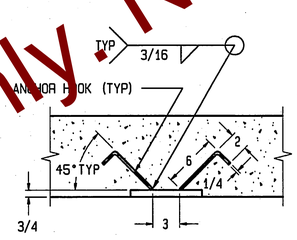
DETAIL "L"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



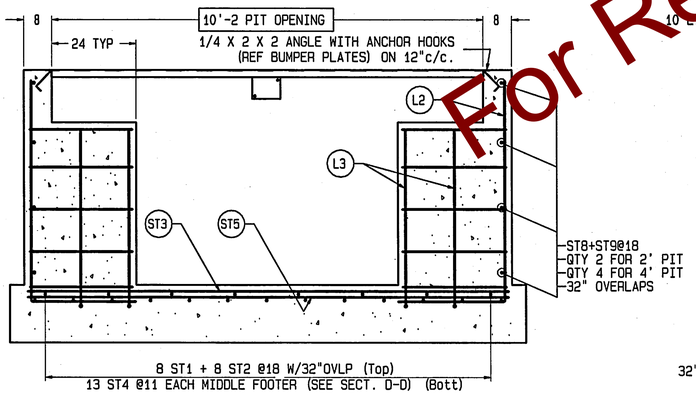
DETAIL ITEM T1
SCALE: 1/8



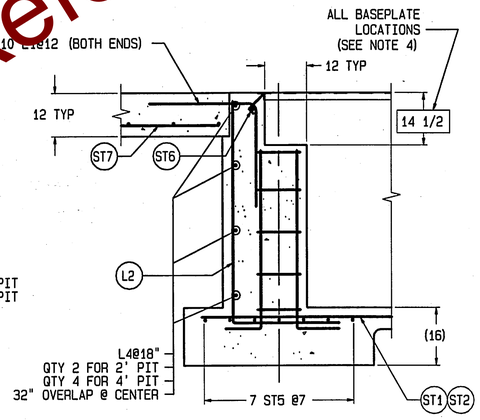
VIEW J-J
SCALE: 1/8
BUMPER PLATE ASSY'S (ONE EACH END)
MATERIAL: H.R. STEEL (BY OTHERS).



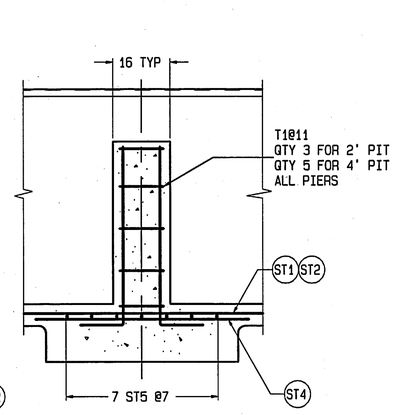
SECTION N-N
SCALE: 1/8



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
COMMON TO BOTH 2' & 4'						
ST1	8	#4	FLOOR, LONG.	40'-0		214
ST2	8	#4	FLOOR, LONG.	36'-2		193
ST3	40	#4	FLOOR, LATERAL	11'-8		312
ST4	39	#4	FOOTERS, LONG.	5'-0		130
ST5	35	#6	FOOTERS, LATERAL	11'-8		613
ST6	20	#5	APPROACH, LATERAL	9'-8		202
	2		END WALLS, LATERAL			20
ST7	20	#5	APPROACH, LONG.	9'-6		198
L1	20	#5	APPROACH TO END TIES	2'-6	2'-6	104
2' ONLY						
ST8	4	#4	SIDE WALLS, LONG.	40'-0		107
ST9	4	#4	SIDE WALLS, LONG.	34'-4		92
T1	30	#5	(SEE DETAIL ITEM T1)	7'-4		229
L2	172	#4	WALL TO FLOOR TIES	2'-6	2'-11	624
L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	2'-0	125
L4	8	#4	(CORNERS)	2'-0	6'-10	47
4' ONLY						
ST8	8	#4	SIDE WALLS, LONG.	40'-0		214
ST9	8	#4	SIDE WALLS, LONG.	34'-4		183
T1	50	#5	(SEE DETAIL ITEM T1)	7'-4		382
L2	172	#4	WALL TO FLOOR TIES	2'-6	4'-11	853
L3	40	#5	(SEE DETAIL ITEM T1)	1'-0	4'-0	209
L4	16	#4	(CORNERS)	2'-0	6'-10	94

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.)	47.5	57.5
REINFORCING STEEL	3210	3921
Y1 (SECTION A-A)	2'-11	4'-11
Y2 MINIMUM (SECTION A-A)	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) 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 .02
DATE 10/08/09
DRN ADF APPD

METTLER TOLEDO

TITLE VTC221 FOUNDATION, 70' X 10' (4-MODULE) 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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TC207840 REV

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