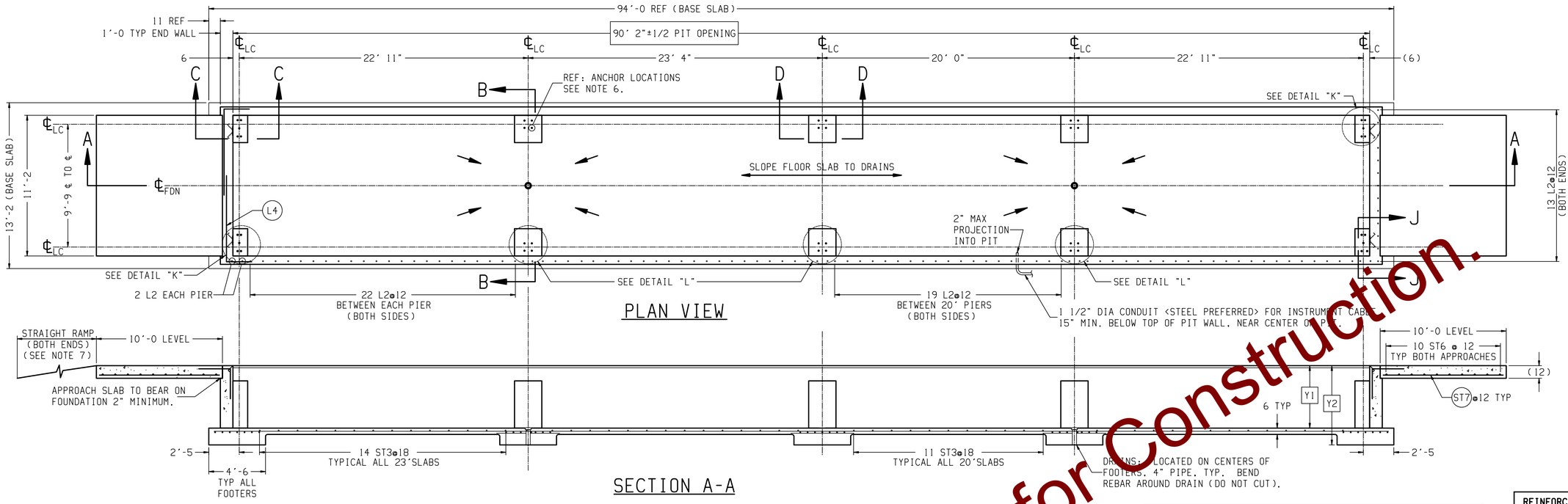
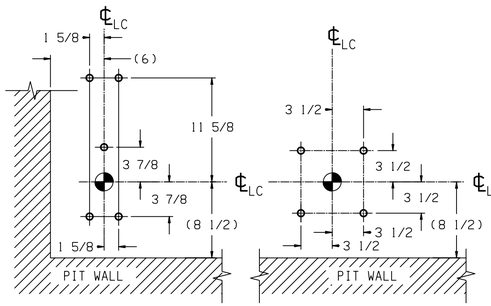
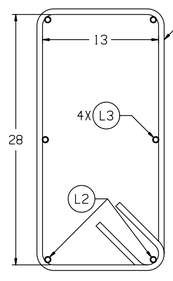


THIS DRAWING CONTAINS INFORMATION TO BUILD EITHER A 2' OR 4' NOMINAL CLEARANCE PIT FOUNDATION. CONTRACTOR MUST KNOW DESIRED DEPTH BEFORE ORDERING MATERIALS.

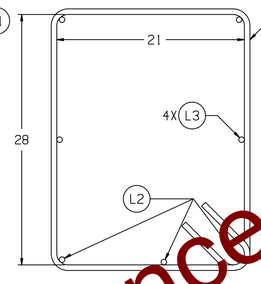


DETAIL "K"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

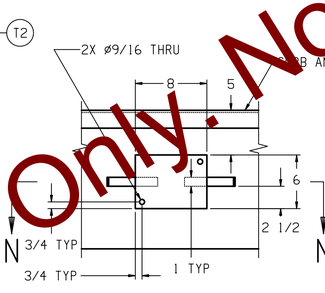
DETAIL "L"
SCALE: 1/8
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



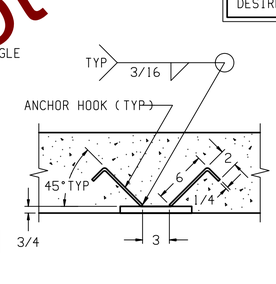
DETAIL ITEM T1
SCALE: 1/8



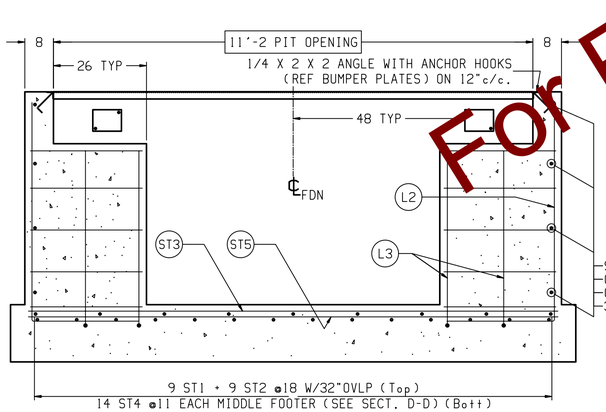
DETAIL ITEM T2
SCALE: 1/8



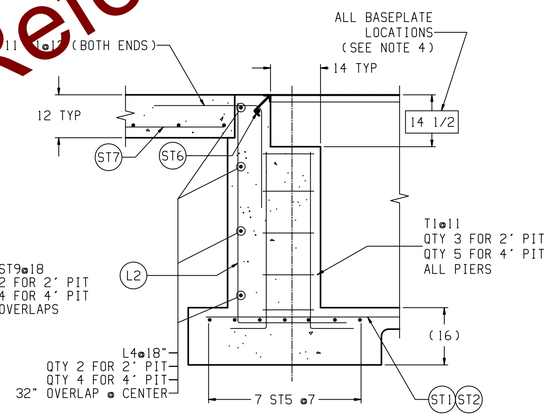
VIEW J-J
SCALE: 1/8
BUMPER PLATE ASSY'S (TWO ON EACH END)
MATERIAL: H.R. STEEL (BY OTHERS).



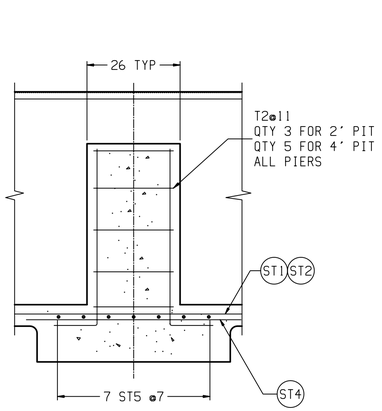
SECTION N-N
SCALE: 1/8



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)

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)

MATERIAL SUMMARY & "Y" DIMENSION CHART		
NOMINAL CLEARANCE BETWEEN FLOOR AND SCALE	2'	4'
CONCRETE (CU. YDS.)	58.5	72
REINFORCING STEEL	3914	4773
Y1 (SECTION A-A)	2'-11	4'-11
Y2 MINIMUM (SECTION A-A)	4'-3	6'-3

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	18	●4	FLOOR, LONG.	40'-0		481
	ST2	9	●4	FLOOR, LONG.	18'-10		114
	ST3	53	●4	FLOOR, LATERAL	12'-8		449
	ST4	42	●4	FOOTERS, LONG.	5'-0		141
	ST5	35	●6	FOOTERS, LATERAL	12'-8		667
	ST6	20	●5	APPROACH, LATERAL	10'-8		223
		2		END WALLS, LATERAL			23
	ST7	22	●5	APPROACH, LONG.	9'-6		218
	L1	22	●5	APPROACH TO END TIES	2'-6	2'-6	115
2' ONLY	ST8	8	●4	SIDE WALLS, LONG.	40'-0		214
	ST9	4	●4	SIDE WALLS, LONG.	17'-0		46
	T1	12	●5	(SEE DETAIL ITEM T1)	8'-1		102
	T2	18	●5	(SEE DETAIL ITEM T2)	9'-5		177
	L2	212	●4	WALL TO FLOOR TIES	2'-6	2'-11	768
	L3	40	●5	(SEE DETAIL T1 & T2)	1'-0	2'-0	126
	L4	8	●4	(CORNERS)	2'-0	7'-4	50
4' ONLY	ST8	16	●4	SIDE WALLS, LONG.	40'-0		428
	ST9	8	●4	SIDE WALLS, LONG.	17'-0		91
	T1	20	●5	(SEE DETAIL ITEM T1)	8'-1		169
	T2	30	●5	(SEE DETAIL ITEM T2)	9'-5		295
	L2	212	●4	WALL TO FLOOR TIES	2'-6	4'-11	1051
	L3	40	●5	(SEE DETAIL T1 & T2)	1'-0	4'-0	209
	L4	16	●4	(CORNERS)	2'-0	7'-4	100

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

REV	CHANGE	BY	DATE

SCALE .02
DATE 5/4/20
DRN KRS APPD KRS

METTLER TOLEDO

TITLE
VTC25X FND PT 90x11

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:
FRACTIONAL ±1/16 DECIMAL .XX ±.02 .XXX ±.005 ANGULAR ±.5°

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