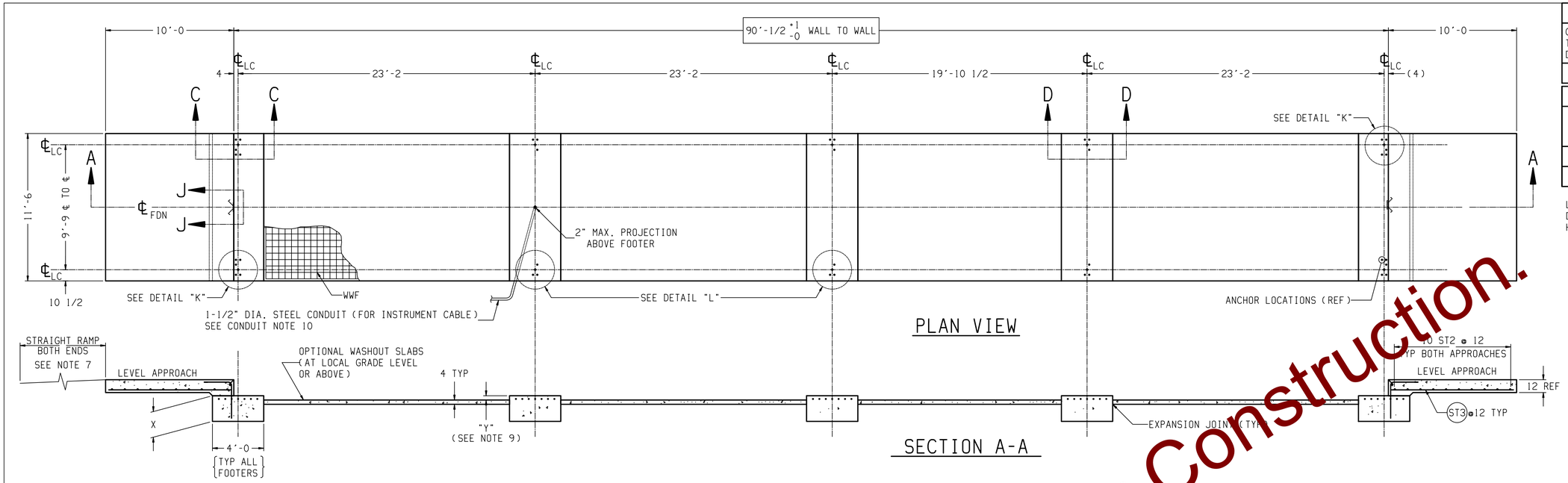
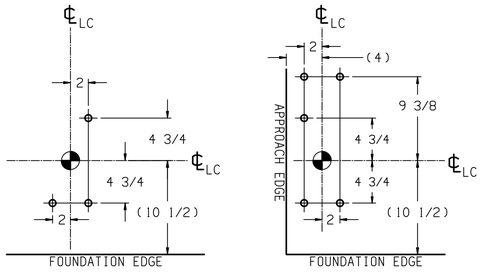


REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)						
COLD FORM BARS TO INSIDE DIMENSIONS				A / B		
SYM	QTY	SIZE	LOCATION. DIRECTION	A	B	WGT
ST1	35	#6	FOOTERS. LATERAL	11'-0		578
ST2	4	#5	ENDS. LATERAL	11'-0		46
	20		APPROACHES. LATERAL			229
ST3	24	#5	APPROACHES. LONG.	9'-6		238
L1	24	#5	APPROACH TO END TIES	2'-3	2'-3	113

L1 IS GIVEN WITHOUT RISER BASEPLATES. DIMENSION "B" WILL VARY WITH THE ACTUAL HEIGHT OF RISERS USED. AS FOLLOWS:

	L1-B
NO RISERS	2'-3
3" RISERS	2'-6
6" RISERS	2'-9

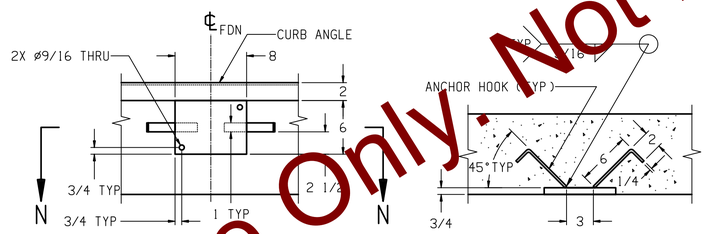


DETAIL "L"

ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

DETAIL "K"

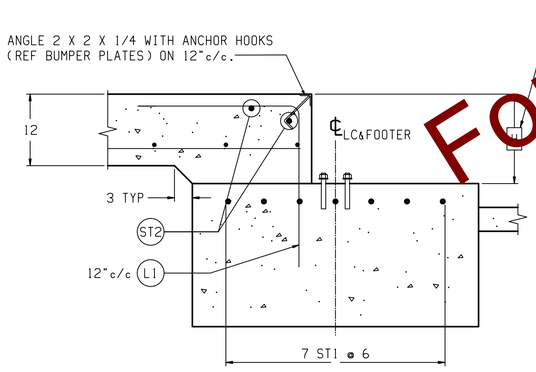
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



VIEW J-J

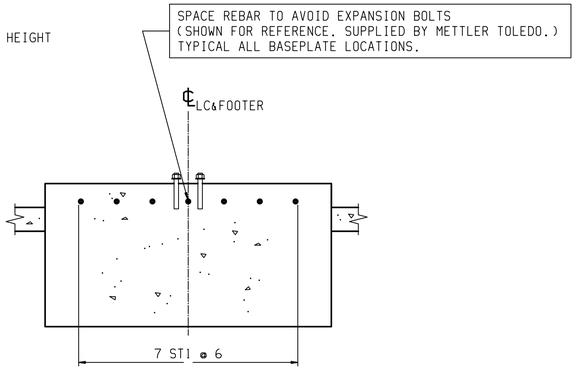
BUMPER PLATE ASSYS (ONE EACH END)
MATERIAL: STEEL (BY OTHERS).

SECTION N-N



SECTION C-C

SCALE 1/12
(TYPICAL END WALL)



SECTION D-D

SCALE 1/12
(TYPICAL FOOTER)
SINGLE BASEPLATE

MATERIAL SUMMARY * (INCLUDES FOOTERS & APPROACHES) (ASSUMES 12" RISER BASEPLATE)	FOOTER DEPTH: "X" INCHES (24 INCH MINIMUM)				
	24	36	48	60	72
CONCRETE (CU. YDS.)	26	35	43	52	60
REINFORCING STEEL (LBS)	1204				

* IF OPTIONAL WASHOUT SLABS ARE USED. ADD:
850 SQ. FT. OF WWF: 6x6_W1.4xW1.4
11 CU. YD. OF CONCRETE.

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 2500 PSF RATED SOIL FOR HIGHWAY TRUCK APPLICATIONS.
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 TO BE SUPPLIED BY METTLER-TOLEDO. USE BASEPLATES AS TEMPLATES TO LOCATE EXPANSION BOLTS DURING SCALE INSTALLATION.
7) RAMP LENGTH: -PER LOCAL REGULATIONS
   -1/2" SLOPE PER FOOT TYPICAL
8) BOTTOM OF FOOTER MUST BE BELOW LOCAL FROSTLINE.
9) FOOTER HEIGHT "Y" CAN BE VARIED TO SUIT LOCAL CLEARANCE REQUIREMENTS. TOP OF FOOTER AT GRADE LEVEL, i.e. FLUSH WITH WASHOUT SLABS, PROVIDES STANDARD 3" CLEARANCE BETWEEN BOTTOM OF WEIGHBRIDGE AND WASHOUT SLABS.
10) CONDUIT LOCATIONS MAY VARY BASED ON APPLICATION. AS LONG AS IT DOES NOT INTERFERE WITH BASE PLATE OR ANCHOR LOCATIONS. ON ABOVE GROUND INSTALLATIONS. THE CONDUIT MAY BE RUN ALONG THE SIDE OF THE FOUNDATION. PLEASE CHECK FOR LOCAL CODE REQUIREMENTS REGARDING CONDUIT PLACEMENT.
11) OPTIONAL: 6" OF GRAVEL MAY BE USED UNDER APPROACHES TO IMPROVE DRAINAGE.
12) CONTRACTOR SUPPLIES:
   -EXCAVATION -CONCRETE AND FORMS
   -REINFORCING STEEL -1 1/2" DIA CONDUIT
   -CURB ANGLE ASSEMBLIES -BUMPER PLATE ASSEMBLIES
   (SECT C-C) (VIEWS J-J & N-N)

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	REMOVED 12" RISER OPTION	MDP	03/09/06
B	ADDED VTS231 TO TITLE AND PDX DETAILS	ADF	05/20/10

SCALE .02
DATE 08/08/03
DRN PAW APPD

METTLER TOLEDO

TITLE VTS231/7562C FOUNDATION. VARIABLE FOOTER. 90'X11' (4-MODULE). W/ RISER OPTION

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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