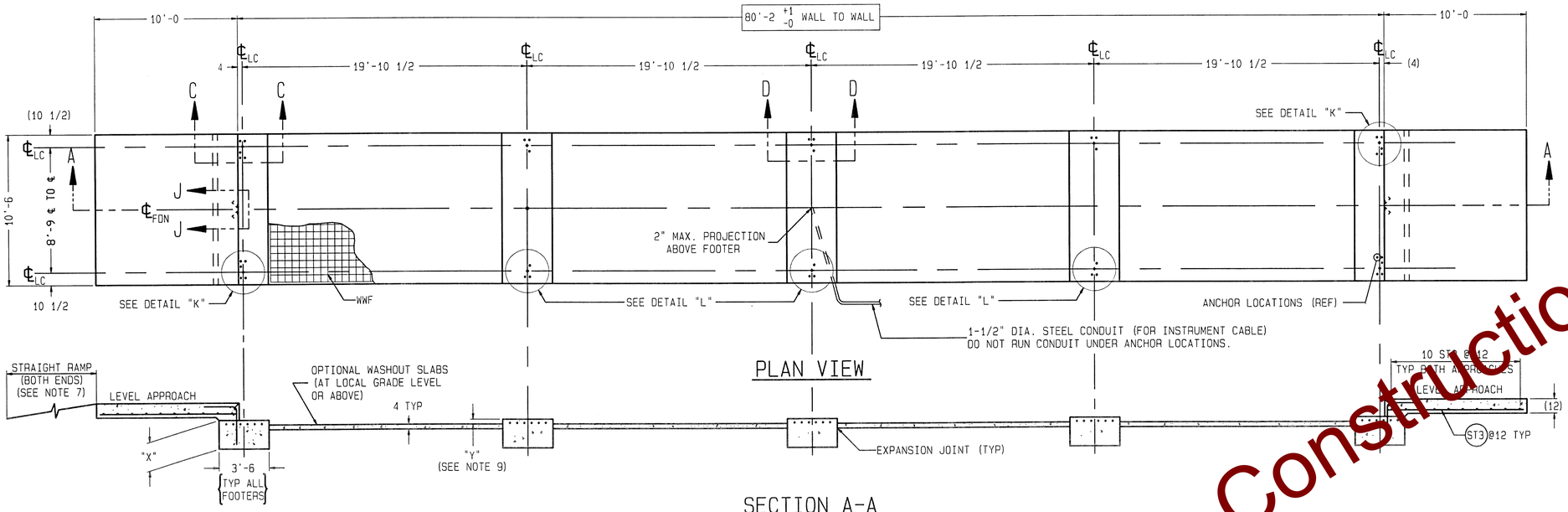
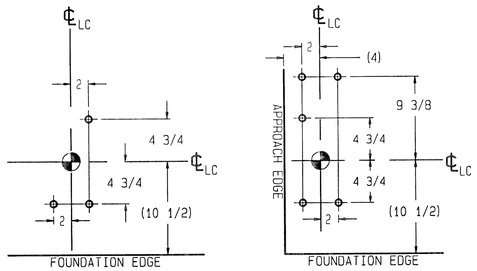


REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)						
COLD FORM BARS TO INSIDE DIMENSIONS				A / B		
SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WGT
ST1	30	#6	FOOTERS, LATERAL	10'-0		451
ST2	4	#5	ENDS, LATERAL	10'-0		42
	20		APPROACHES, LATERAL			209
ST3	22	#5	APPROACHES, LONG.	9'-6		218
L1	22	#5	APPROACH TO END TIES	2'-3	2'-7	112

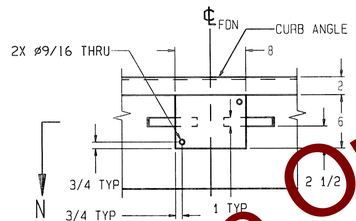
L1 IS GIVEN WITHOUT RISER BASEPLATES. DIMENSION "B" AND WEIGHT WILL VARY WITH THE HEIGHT OF RISERS USED, AS FOLLOWS:

	L1-B	WGT
NO RISERS	2'-7	112
3" RISERS	2'-10	118
6" RISERS	3'-1	123

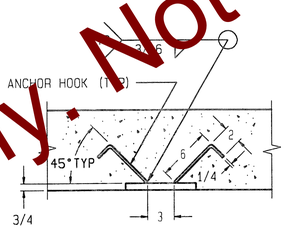


DETAIL "L"
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

DETAIL "K"
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)



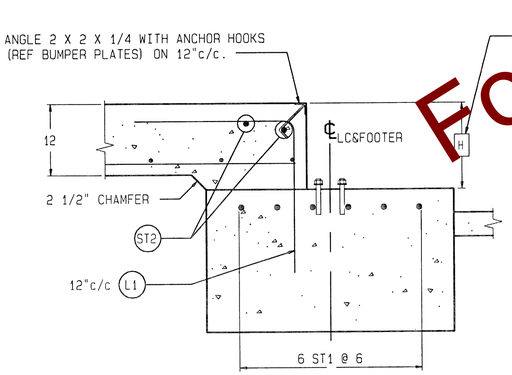
VIEW J-J
BUMPER PLATE ASSY'S (ONE EACH END)
MATERIAL: A.R. STEEL (BY OTHERS).



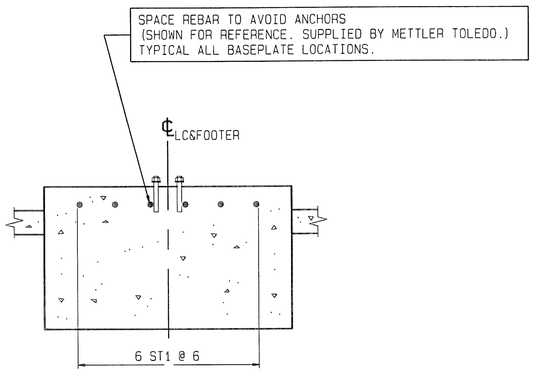
SECTION N-N

MATERIAL SUMMARY * (INCLUDES FOOTERS & APPROACHES) (DOES NOT INCLUDE SCALE DECK) (ASSUMES NO RISER BASEPLATES)	FOOTER DEPTH: "X" INCHES (24 INCH MINIMUM)				
	24	36	48	60	72
CONCRETE (CU. YDS.)	21.5	28.5	35	42	48.5
REINFORCING STEEL (LBS)	1032				

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



SECTION C-C
SCALE 1/12
(TYPICAL END WALL)



SECTION D-D
SCALE 1/12
(TYPICAL FOOTER)
SINGLE BASEPLATE

NOTES:

1) FOUNDATION REQUIRES MINIMUM 3000 PSI STRENGTH CONCRETE AT 28 DAYS WITH 5-7% AIR ENTRAINMENT. SPECIFICATIONS FOR SCALE DECK CONCRETE IS FOUND ON CORRESPONDING GENERAL LAYOUT DRAWING.
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 ANCHORS 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 4" CLEARANCE BETWEEN BOTTOM OF WEIGHBRIDGE AND WASHOUT SLABS.
10) OPTIONAL: 6" OF GRAVEL MAY BE USED UNDER APPROACHES TO IMPROVE DRAINAGE.
11) 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)

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

REV	CHANGE	BY	DATE

SCALE .02
DATE 05/18/10
DRN ADF APPD

METTLER TOLEDO

TITLE VTC221 FOUNDATION, VARIABLE FOOTER, 80' X 10', 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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TC208387 REV

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