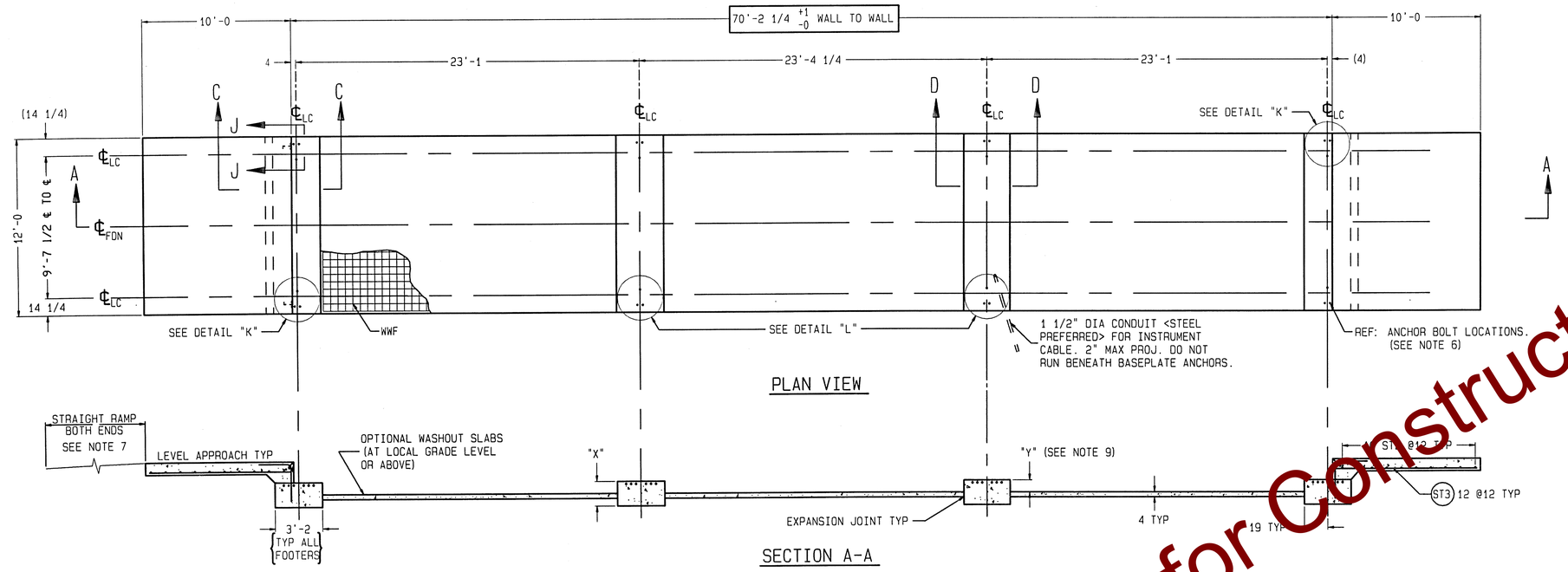


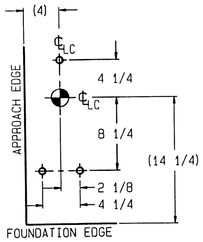
REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60)						
COLD FORM BARS TO INSIDE DIMENSIONS				A, B		
SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WGT
ST1	24	#8	FOOTERS, LATERAL	11'-6		737
ST2	2	#5	ENDS, LATERAL	11'-6		24
	20		APPROACHES, LATERAL			240
ST3	24	#5	APPROACHES, LONG.	9'-6		238
L1	24	#5	APPROACH TO END TIES	2'-2	2'-6	117

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

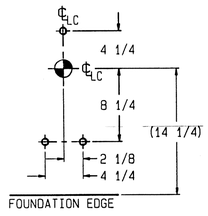
	L1
NO RISERS	2'-6
3" RISERS	2'-9
6" RISERS	3'-0

MATERIAL SUMMARY * (INCLUDES FOOTERS & APPROACHES) (ASSUMES NO RISERS)	FOOTER DEPTH: "X" INCHES (20 INCH MINIMUM)				
	20	32	44	56	68
CONCRETE (CU. YDS.)	18	23.5	29	34.5	40.5
REINFORCING STEEL (LBS)	1356				

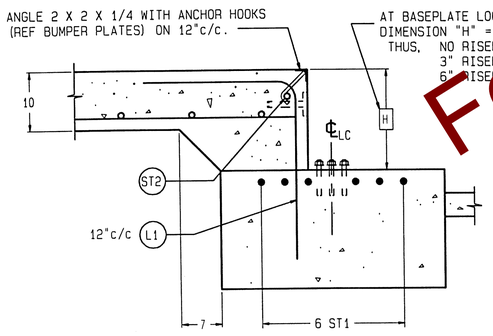
*IF OPTIONAL WASHOUT SLABS ARE USED, ADD 725 SQ. FT. OF WWF: 6x6_W1.4xW1.4 9 CU. YD. OF CONCRETE.



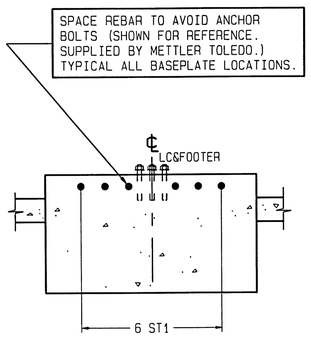
DETAIL "K"
SCALE: 1/8
ANCHOR BOLT LOCATIONS
(OTHER SIDE IS OPPOSITE)



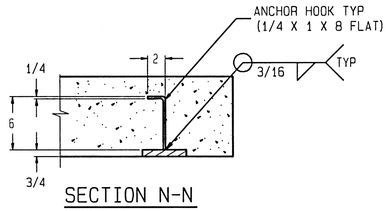
DETAIL "L"
SCALE: 1/8
ANCHOR BOLT LOCATIONS
(OTHER SIDE IS OPPOSITE)



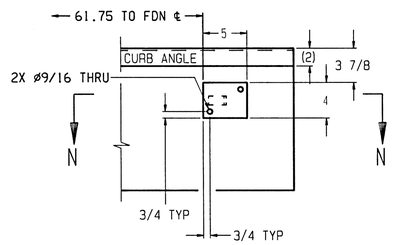
SECTION C-C
SCALE 1/12
(TYPICAL END)



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



SECTION N-N



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

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.

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". THIS IS VERY IMPORTANT! SCALE INSTALLATION WILL BE DIFFICULT IF NOT IMPOSSIBLE IF SQUARENESS IS NOT HELD TO THIS TOLERANCE.

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 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 6-1/2" CLEARANCE BETWEEN BOTTOM OF WEIGHBRIDGE AND WASHOUT SLABS.

10) OPTIONAL: 6" OF GRAVEL MAY BE USED UNDER APPROACHES TO IMPROVE DRAINAGE. REFER TO LOCAL BUILDING CODES FOR BASE REQUIREMENTS.

11) CONTRACTOR SUPPLIES:
-EXCAVATION
-REINFORCING STEEL
-CURB ANGLE ASSEMBLIES (SECT C-C)
-BUMPER PLATE ASSEMBLIES (VIEWS J-J & N-N)
-CONCRETE AND FORMS
-1 1/2" DIA CONDUIT (STEEL PREFERRED)

For Reference Only. Not for Construction.

REV	CHANGE	BY	DATE

SCALE .02
DATE 3/31/10
DRN JLB APPD TLB

METTLER TOLEDO

TITLE VTS10X FOUNDATION, VARIABLE FOOTER, 70' X 11' 3-MODULE, WITH RISER OPTIONS

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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