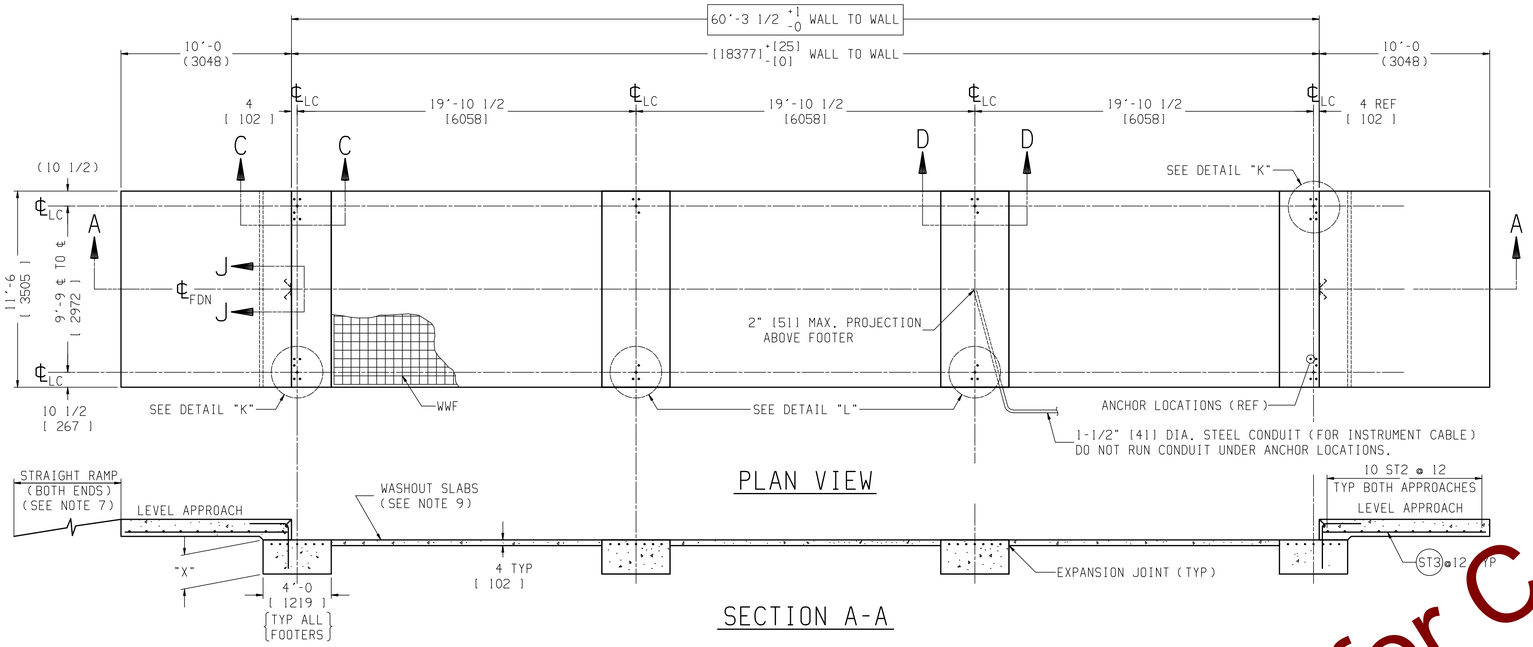
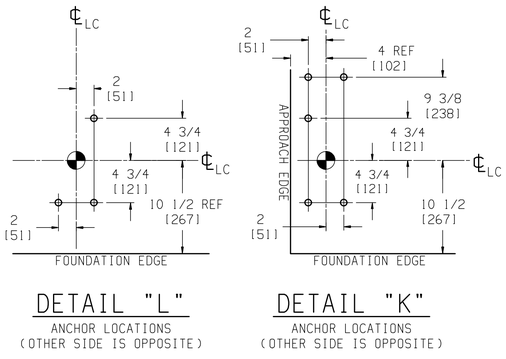


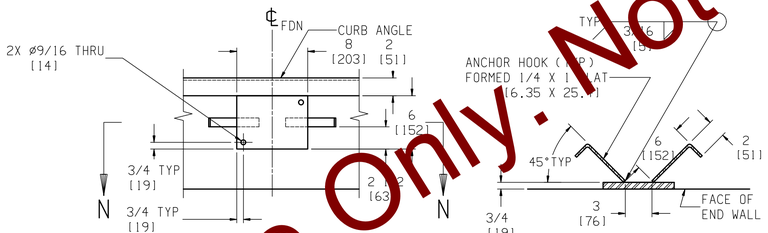
PLAN VIEW

SECTION A-A



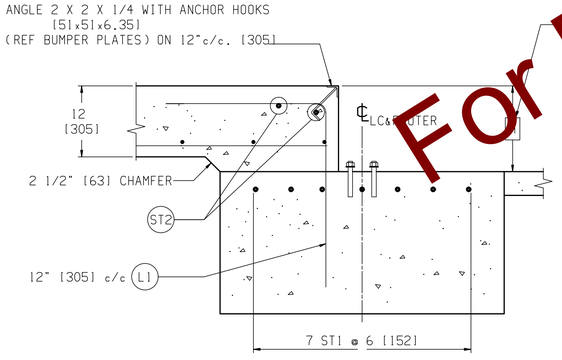
DETAIL "L"
ANCHOR LOCATIONS
(OTHER SIDE IS OPPOSITE)

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



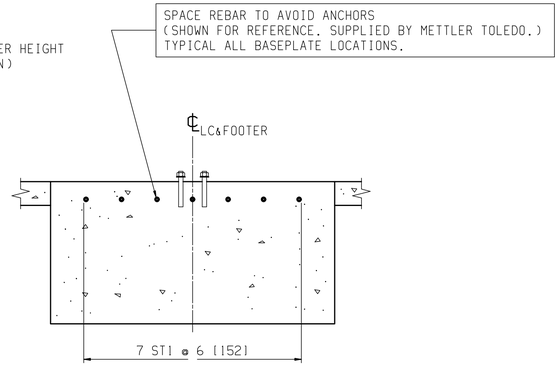
VIEW J-J
SCALE: 1/8
BUMPER PLATE ASSY'S (ONE EACH END)
MATERIAL: STEEL (BY OTHERS).

SECTION N-N
SCALE: 1/8



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

AT BASEPLATE LOCATIONS (SEE NOTE 4)
DIMENSION "B" = 14.5 [368] + BASEPLATE RISER HEIGHT
THUS, NO RISER: H = 14.5 [368] (AS SHOWN)
3" [76] RISER: H = 17.5 [444]
6" [152] RISER: H = 20.5 [521]



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

REINFORCING STEEL SCHEDULE
(A.S.T.M. A-615 GRADE 60 [420 MPa] OR EQUIVALENT)

COLD FORM BARS TO INSIDE DIMENSIONS

SYM	QTY	SIZE	LOCATION, DIRECTION	A	B	WEIGHT
ST1	28	#6 [ø19]	FOOTERS, LATERAL	11'-0 [3353]		463 LB [210 Kg]
ST2	4	#5 [ø16]	ENDS, LATERAL	11'-0 [3353]		46 LB [21 Kg]
	20		APPROACHES, LATERAL			229 LB [104 Kg]
ST3	24	#5 [ø16]	APPROACHES, LONG.	9'-6 [2896]		238 LB [108 Kg]
L1	24	#5 [ø16]	APPROACH TO END TIES	2'-3 [686]	2'-7 [787]	121 LB [55 Kg]

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 [787]	121 [55 Kg]
3" [76mm] RISERS	2'-10 [864]	128 [58 Kg]
6" [152mm] RISERS	3'-1 [940]	134 [61 Kg]

MATERIAL SUMMARY *
(INCLUDES FOOTERS & APPROACHES)
(DOES NOT INCLUDE SCALE DECK)
(ASSUMES NO RISER BASEPLATES)

	FOOTER DEPTH: "X" IN [mm] (24 INCH [610mm] MINIMUM)				
	24 [610]	36 [914]	48 [1219]	60 [1524]	72 [1829]
CONCRETE (YD [m])³	22.5 [17.2]	30 [22.9]	36.5 [27.9]	43 [32.9]	50 [38.2]
REINFORCING STEEL (LBS [kg])	1098 [498]				

* IF OPTIONAL WASHOUT SLABS ARE USED, ADD:
550 SQ. FT. OF WWF: 6x6_W1.4xW1.4
[51 m²] OF WWF: 152x152_MW9.1xW9.1
7.0 (YD [m])³ OF CONCRETE.

NOTES:

1) FOUNDATION REQUIRES MINIMUM 3000 PSI [20.7 MPa] 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 60 KSI [420 MPa] 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 [119.7 KPa] RATED SOIL FOR HIGHWAY TRUCK APPLICATIONS.
4) TOP OF CONCRETE AT BASEPLATE LOCATIONS TO BE LEVEL AND IN ONE PLANE ±1/8" [3.2 mm].
5) DIAGONAL MEASUREMENTS ENDWALL TO ENDWALL MUST BE EQUAL WITHIN 1/2" [12.7 mm].
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 [42mm SLOPE PER METER] TYPICAL
8) BOTTOM OF FOOTER MUST BE BELOW LOCAL FROSTLINE.
9) WASHOUT SLABS (PREFERRED) OR SOIL NEED TO BE FLUSH WITH THE TOP OF THE FOOTERS FOR PROPER PLACEMENT OF CONCRETE IN MODULES.
10) TOP OF FOOTER AT GRADE LEVEL, i.e. FLUSH WITH WASHOUT SLABS. PROVIDES STANDARD 3.25" [82mm] CLEARANCE BETWEEN BOTTOM OF WEIGHBRIDGE AND WASHOUT SLABS WHEN LOAD CELLS ARE INSTALLED.
11) OPTIONAL: 6" [150mm] OF GRAVEL MAY BE USED UNDER APPROACHES TO IMPROVE DRAINAGE.
12) CONTRACTOR SUPPLIES:
-EXCAVATION -CONCRETE AND FORMS
-REINFORCING STEEL -1 1/2" [41] 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
A	ADDED DUAL DIMENSIONS	KRS	10/08/15

SCALE .02
DATE 04/07/15
DRN KRS APPD CMD

METTLER TOLEDO

TITLE
VTC191 FDN VF 60x11 W/RSR (18m x 3.4m)

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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