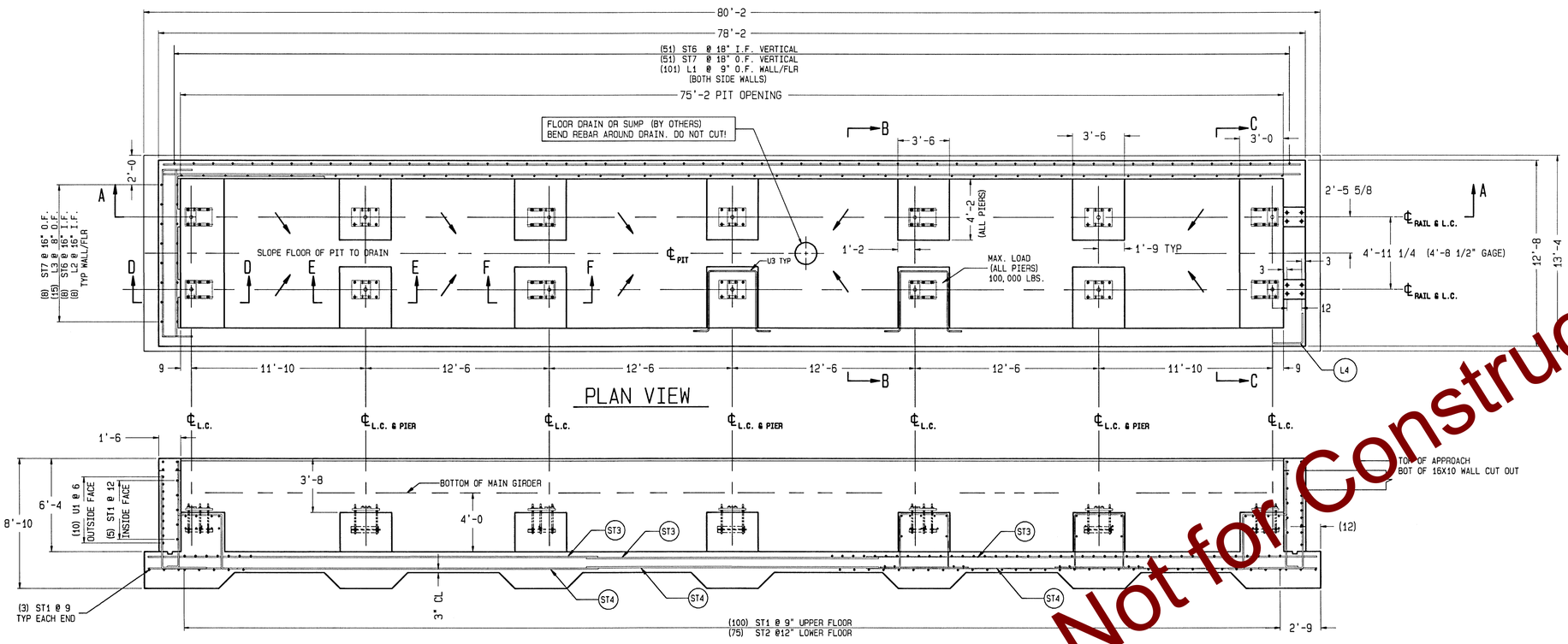


NOTES:

1) PIT DESIGN SPECIFICATIONS:
THE PIT DESIGN IS BASED ON SUPERIMPOSED SCALE LOADS, NORMAL TRUCK SURCHARGE THAT GENERATES BEARING PRESSURE OF 3000 PSF. IF THE SOIL DOES NOT HAVE A BEARING PRESSURE OF AT LEAST 4000 PSF, AND ITS CAPACITY CANNOT BE INCREASED BY DRAINAGE, STABILIZATION, OR OTHER MEANS, PILE FOUNDATIONS SHALL BE PROVIDED (BY OTHERS) PER A.A.R. (2.22.19).

2) UNUSUAL CONDITIONS:
FOR UNUSUAL SOIL CONDITIONS, LOADING CONDITIONS, OR ARCHITECTURAL REQUIREMENTS THIS DESIGN MUST BE ALTERED ACCORDINGLY. IN ALL CASES, THE PIT BOTTOM MUST BE BELOW THE FROST LINE.

3) DIMENSIONAL TOLERANCE:
DIMENSIONS TO TOP OF PIERS FROM TOP OF CURB ANGLES MUST BE HELD +/- 1/8". TOP OF CURB ANGLES MUST BE LEVEL.

4) CONCRETE AND STEEL SPECIFICATIONS:
USE 4000 PSI STRENGTH CONCRETE AT 28-DAY AGE. IF SUBJECT TO SEVERE WEATHER CONDITIONS, USE AIR-ENTRAINING AGENT. ALL REINFORCING STEEL TO BE DEFORMED BARS A.S.T.M. A-615 GRADE 60. ALL CONCRETE AND REINFORCING STEEL TO BE PLACED ACCORDING TO THE BEST PRACTICE AS PRESCRIBED BY THE LATEST AREA MANUAL CHAPTER 8.

5) GENERAL INFORMATION:
EXCAVATION, FOUNDATION FORMS, REINFORCING STEEL, CONCRETE, AND CURB ANGLES (AS ON TB201374) TO BE FURNISHED BY CONTRACTOR.

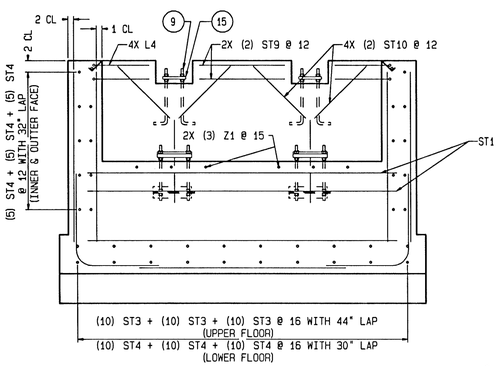
6) APPROACHES:
APPROACH AT EACH END OF SCALE SHOULD BE STRAIGHT, IN THE SAME PLANE AS PLATFORM, AND IF PRACTICABLE, 25 FT. MINIMUM LENGTH, OR COMPLY WITH STATE WEIGHTS AND MEASURES REGULATIONS.

7) CONSTRUCTION MATERIAL QUANTITIES:

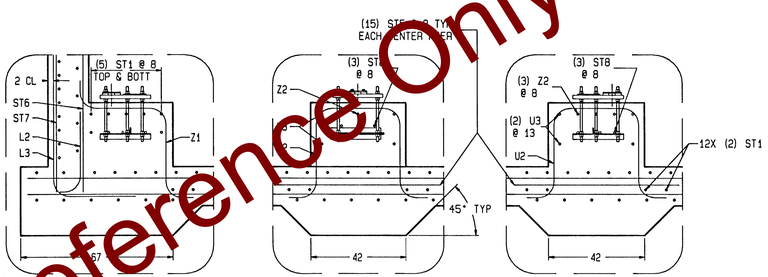
CONCRETE	145 CUBIC YARDS
REINFORCING STEEL	14,307 POUNDS

ABBREVIATIONS USED ON THIS DRAWING

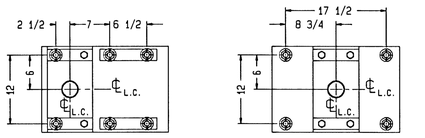
CL - CLEAR OF WALL
FLR - FLOOR
LONG. - LONGITUDINAL
I.F. - INSIDE FACE
O.F. - OUTSIDE FACE
L.C. - LOAD CELL



C-C



D-D E-E F-F



RECEIVER/BUMPER PLATE

ANCHOR BOLT LOCATION DIMENSIONS ARE FOR REFERENCE ONLY. USE BASEPLATES TO ESTABLISH ACTUAL POSITION OF ANCHORS.

RECEIVER PLATE

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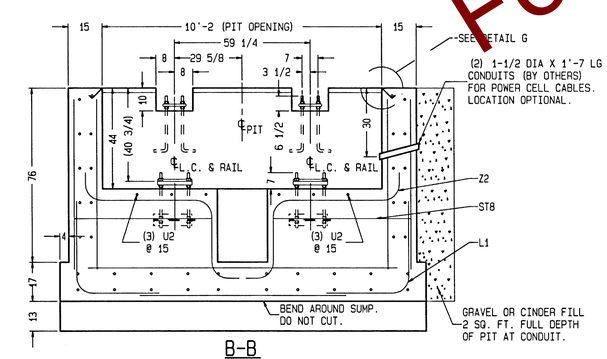
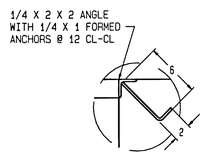


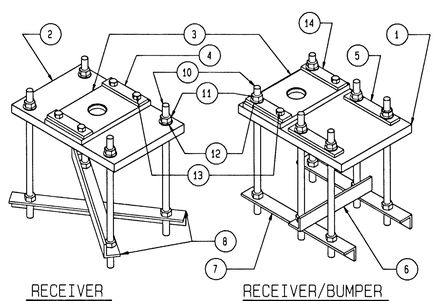
B-B



DETAIL G

ANGLE AND FORMED ANCHORS TO BE SUPPLIED BY OTHERS.

FOUNDATION STEEL



RECEIVER RECEIVER/BUMPER

FOUNDATION STEEL (BY METTLER-TOLEDO, REFERENCE ONLY)

ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	TN302239	BASE PLATE
2	6	TB200601-2	BASE PLATE
3	14	TB200834	RECEIVER PLATE
4	12	12752400F	CLAMP BAR
5	16	TB200601-4	CLAMP BAR
6	8	TB200601-3	ANGLE
7	16	TN201375	ANGLE
8	12	TC301512-5	ANGLE
9	16	TC300927-26	BENT ANCHOR 1-8 X 2' UNC
10	72	TC300927-25	ANCHOR ROD 1"-8 X 2' UNC
11	335	MZ0901020047	HEX NUT 1"-8 NC
12	335	MZ0901030059	FLAT WASHER 1"
13	45	MZ0901010354	BOLT 3/4-10 X 2-1/4 UNC
14	16	TN302937	CLAMP BAR
15	4	TN203060	RAIL PLATE PIT WALL

REINFORCING STEEL SCHEDULE (ASTM A-615 GRADE 60) BY OTHERS

COLD FORM BARS TO INSIDE DIMENSIONS — L (A, B); U (A, B, B, C); Z (C, A, B, C)

SYM	SIZE	QTY	LOCATION	TOT. LGTH.	A	B	C	WGT
ST1	#6	160	UPPER FLR LATERAL	11'-3				2704
ST2	#4	75	LOWER FLR LATERAL	7'-6				376
ST3	#6	30	UPPER FLR LONG.	31'-6				1419
ST4	#4	90	LOWER FLR/SIDE WALL LONG.	38'-4				1702
ST5	#8	75	FLOOR UNDER CENTER PIERS	6'-0				1202
ST6	#4	118	SIDE WALL I.F. VERT.	6'-2				486
ST7	#6	118	SIDE WALL O.F. VERT.	6'-2				1093
ST8	#6	30	CENTER PIERS LONG.	5'-0				225
ST9	#6	8	UPPER END WALL HORIZ.	3'-1				37
ST10	#4	16	UPPER END WALL DIAG.	2'-8				28
L1	#6	202	SIDE WALL O.F.--FLR	6'-4	3'-4	3'-0		1922
L2	#6	16	END WALL I.F.--FLR	4'-0	0'-9	3'-3		96
L3	#8	30	END WALL O.F.--FLR	9'-4	3'-0	6'-4		748
L4	#6	8	TOP OF WALL CORNERS	4'-0	2'-0	2'-0		48
U1	#8	20	END WALL--SIDE WALLS	15'-3	11'-3	2'-0		814
U2	#6	30	FLOOR--PIER--FLOOR	12'-5	3'-3	3'-7	1'-0	560
U3	#6	20	SIDE WALL--PIER--SIDE WALL	14'-5	3'-3	4'-7	1'-0	433
Z1	#6	12	END WALL--PIER--FLOOR	8'-10	3'-3	3'-7	1'-0	159
Z2	#6	18	SIDE WALL--PIER--FLOOR	9'-5	4'-7	2'-10	1'-0	255

REV	CHANGE	BY	DATE
A	TOP OF L.C. BASEPLATE IN DETAIL B-B WAS 40.25	ELB	06/11/01

SCALE .02
DATE 4/2/98
DRN ZL APPD JB

METTLER TOLEDO

TITLE 7360, CUSTOM FOUNDATION 75' X 10', WITH 4 FT. CLEARANCE UNDER MAIN BEAMS

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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TC307730 REV A

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