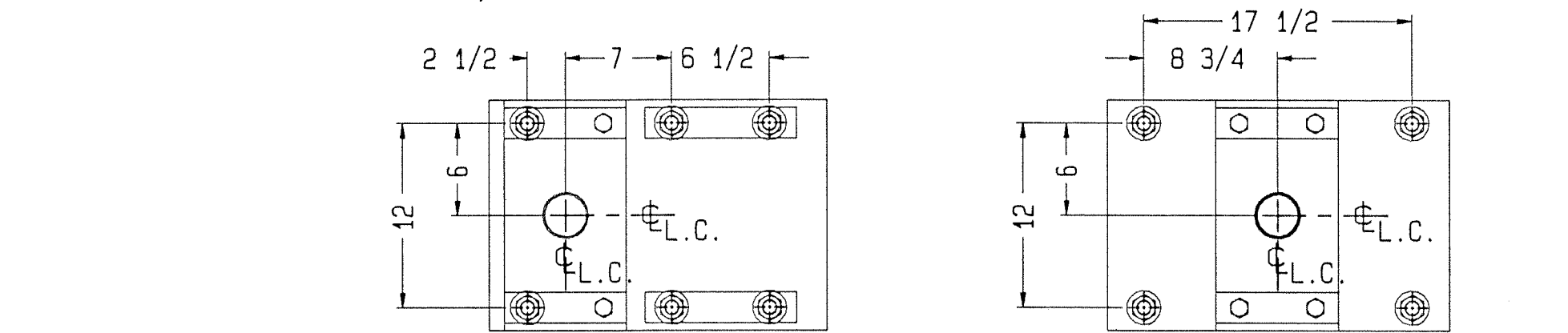


TN305293 FOUNDATION STEEL (BY METTLER-TOLEDO)			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	8	TN302239	BASE PLATE
2	8	TB200601-2	BASE PLATE
3	16	TB200834	RECEIVER PLATE
4	16	12752400F	CLAMP BAR
5	16	TB200601-4	CLAMP BAR
6	8	TB200601-3	ANGLE
7	16	TN201375	ANGLE
8	16	TC301512-5	ANGLE
9	16	TC300927-26	BENT ANCHOR 1-8 X 2' UNC
10	80	TC300927-25	ANCHOR ROD 1-8 X 2' UNC
11	354	MZ0901020047	HEX NUT 1"-8 NC
12	194	MZ0901030059	FLAT WASHER 1"
13	50	MZ0901010354	BOLT 3/4-10 X 2-1/4 UNC
14	16	TN302937	CLAMP BAR
15	4	TN203060	RAIL PLATE PIT WALL

- NOTES:
- 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).
  - UNUSUAL CONDITIONS:  
FOR UNUSUAL SOIL OR LOADING CONDITIONS, ARCHITECTURAL REQUIREMENTS THIS DESIGN MUST BE ALTERED ACCORDINGLY. IN ALL CASES, THE PIT BOTTOM MUST BE BELOW THE FROST LINE.
  - DIMENSIONAL TOLERANCE:  
ALL INSIDE DIMENSIONS OF PIT, PIERS AND ANCHORS ARE TO BE LOCATED TRUE AND ACCURATE TO 1/8" OF DIMENSION GIVEN FROM PIT CENTERLINE. DIMENSIONS TO TOP OF PIERS FROM TOP OF CURB ANGLES MUST BE HELD +/- 1/8". TOP OF CURB ANGLES MUST BE LEVEL.
  - 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 AREMA MANUAL CHAPTER 8.
  - REBAR:  
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.
  - GENERAL CONSTRUCTION:  
EXCAVATION, FOUNDATION FORMS, REINFORCING STEEL, CONCRETE, AND CURB ANGLES TO BE FURNISHED BY CONTRACTOR.
- APPROACHES:  
A MINIMUM OF 75 FT. OF STRAIGHT TRACK MUST BE PROVIDED AT EACH APPROACH TO THE WEIGHRAILS. THIS SHOULD INCLUDE A 25 FT. CONCRETE APPROACH SLAB AT EACH END OF THE SCALE PIT. REFER TO THE CORRESPONDING APPROACH DRAWING FOR FURTHER DETAIL. ALL WORK SHOULD COMPLY WITH STATE WEIGHTS AND MEASURES REGULATIONS.
- 8) CONSTRUCTION MATERIAL QUANTITIES:  
CONCRETE 155 CUBIC YARDS  
REINFORCING STEEL 13,985 POUNDS



**RECEIVER/BUMPER PLATE**  
ANCHOR BOLT LOCATION DIMENSIONS ARE FOR REFERENCE ONLY. USE BASEPLATES TO ESTABLISH ACTUAL POSITION OF ANCHORS.

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

REINFORCING STEEL SCHEDULE (ASTM A-615 GRADE 60) BY OTHERS									
COLD FORM BARS TO INSIDE DIMENSIONS		L A B		U B C		Z C A		B C	
SYM	SIZE	QTY	LOCATION	TOT. LGTH.	A	B	C	WGT	
ST1	#6	171	UPPER FLR LATERAL	11'-3				2889	
ST2	#4	81	LOWER FLR LATERAL	7'-6				406	
ST3	#6	30	UPPER FLR LONG.	24'-2				1089	
ST4	#4	70	LOWER FLR/SIDE WALL LONG.	23'-4				1091	
ST5	#8	90	FLOOR UNDER CENTER PIERS	6'-0				1442	
ST6	#4	124	SIDE WALL IF VERT.	5'-10				483	
ST7	#6	124	SIDE WALL OF VERT.	5'-10				1086	
ST8	#6	36	CENTER PIERS	5'-0				270	
ST9	#6	8	UPPER END WALL HORIZ.	3'-1				37	
ST10	#4	16	UPPER END WALL DIAG.	2'-8				29	
L1	#6	212	SIDE WALL OF--FLR	6'-0	3'-0	3'-0		1911	
L2	#6	16	END WALL IF--FLR	3'-8	0'-9	2'-11		88	
L3	#8	30	END WALL OF--FLR	9'-0	3'-0	6'-0		721	
L4	#6	8	END WALL--SIDE WALL	4'-0	2'-0	2'-0		48	
U1	#8	20	END WALL--SIDE WALLS	15'-3	11'-3	2'-0		814	
U2	#6	36	FLOOR--PIER--FLOOR	11'-9	3'-3	3'-3	1'-0	635	
U3	#6	24	SIDE WALL--PIER--SIDE WALL	14'-5	3'-3	4'-7	1'-0	520	
Z1	#6	12	END WALL--PIER--FLOOR	8'-6	3'-3	3'-3	1'-0	153	
Z2	#6	20	SIDE WALL--PIER--FLOOR	9'-1	4'-7	2'-6	1'-0	273	

REV	CHANGE	BY	DATE	SCALE	1/40
A	CORRECTED PIT DEPTH TO TOP OF PIER, WAS 40-1/4	ELB	07/18/03	DATE	10/25/99
				DRN	ELB
				APPD	JB
				TITLE	7360, FOUNDATION, 80' X 10'
				UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:	
				FRACTIONAL .XX ±.02	DECIMAL .XX ±.02
				ANGULAR ±.5°	ANGULAR ±.5°
				TC308779	REV A