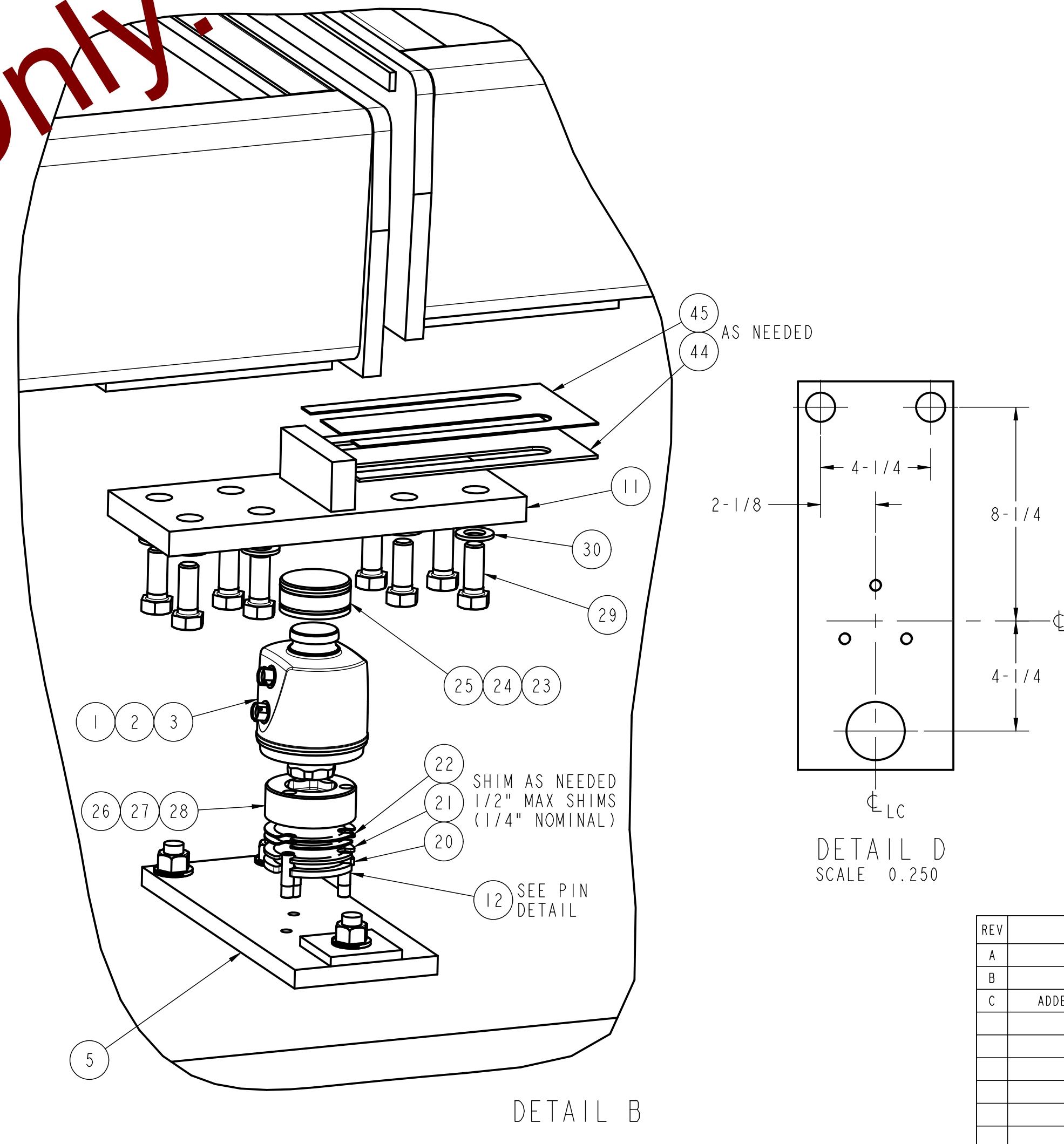
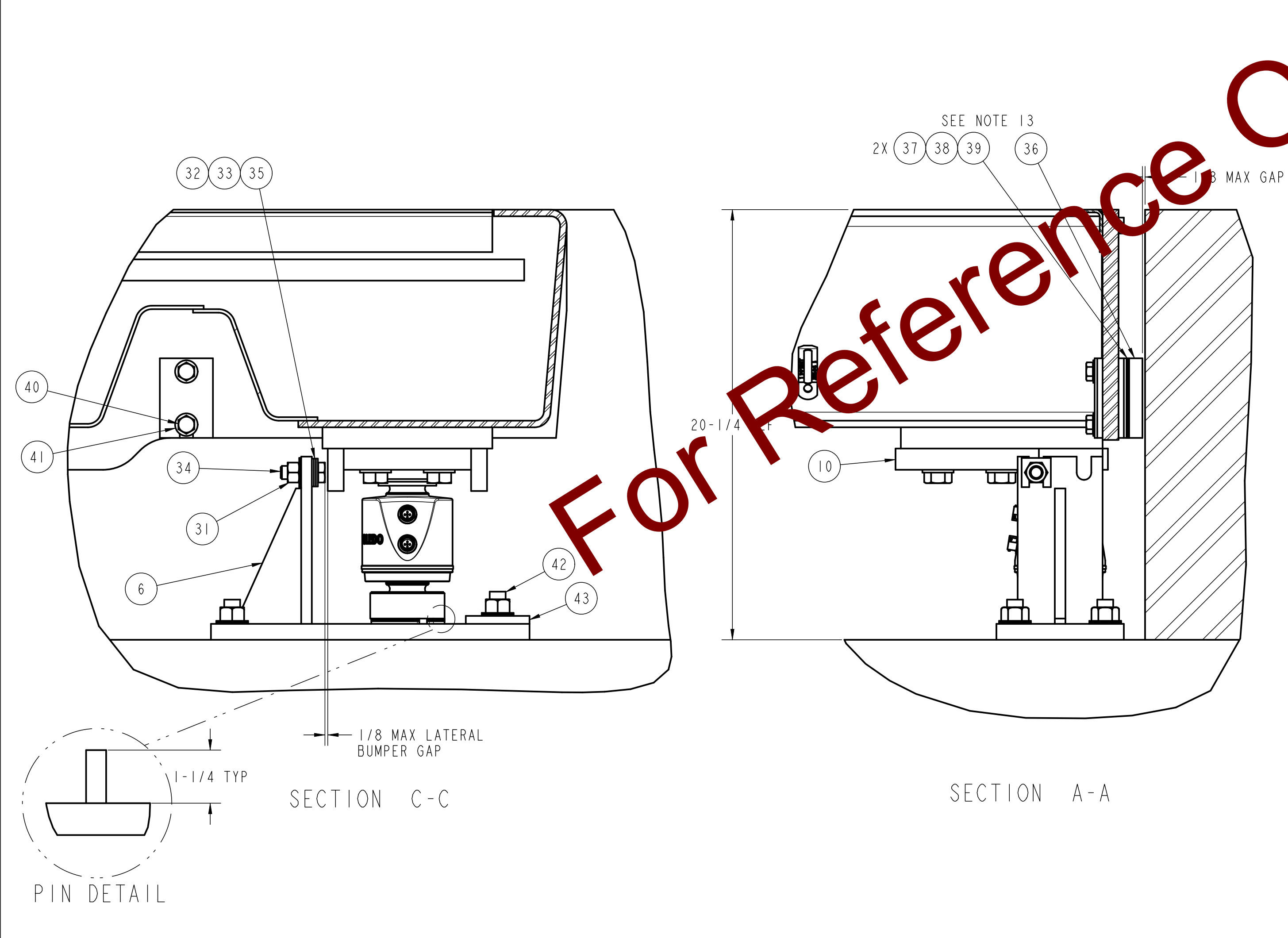


- INSTALLATION INSTRUCTIONS
- USE BASEPLATES AS TEMPLATES TO DRILL OUTSIDE (LARGE) ANCHOR HOLES PER FOUNDATION DRAWING DIMENSIONS, WHICH ARE ALSO DUPLICATED IN THE TABLE TO THE LEFT OF THESE NOTES. SET BASEPLATES IN PLACE. INSTALL OUTSIDE ANCHOR WITH CLAMP BAR, TIGHTEN TO SET ANCHOR, AND THEN LOOSEN SO THAT BASEPLATE CAN BE FREELY MOVED. INSTALL LOWER RECEIVER MOUNTING PINS AND BOTTOM HEX RECEIVERS. PLACE LOCATING TOOLS (AVAILABLE FROM METTLER TOLEDO) ON LOWER RECEIVERS.
  - INSTALL COUPLER/RECEIVER PLATES, END RECEIVER PLATES, AND TOP RECEIVERS ON FIRST MODULE. FASTENERS SHOULD BE SEATED AND SNUG BUT NOT TIGHTENED.
  - SET FIRST MODULE ON LOCATING TOOLS AT END OF FOUNDATION.
  - INSTALL COUPLER/RECEIVER PLATES AND TOP RECEIVERS ON THE NEXT (MIDDLE) MODULE, OPPOSITE THE END THAT WILL CONNECT TO THE PREVIOUS MODULE.
  - PLACE THE MODULE ON LOCATING TOOLS AND THE COUPLER/RECEIVER PLATES OF THE PREVIOUS MODULE. PULL THE MODULES TOGETHER, AND THEN INSTALL BOLTS IN THE COUPLER/RECEIVER PLATES (BUT DO NOT TIGHTEN).
  - REPEAT STEPS 4 AND 5 UNTIL ALL MIDDLE MODULES HAVE BEEN PLACED.
  - INSTALL END RECEIVER PLATES AND TOP RECEIVERS ON LAST (END) MODULE, OPPOSITE OF THE END THAT WILL CONNECT TO THE PREVIOUS MODULE. AGAIN, THE BOLTS SHOULD ONLY BE SNUGGED.
  - PLACE THE LAST (END) MODULE ON LOCATING TOOLS AND THE COUPLER/RECEIVER PLATES OF THE PREVIOUS MODULE. PULL THE MODULES TOGETHER, AND INSTALL BOLTS IN THE COUPLER/RECEIVER PLATES (BUT DO NOT TIGHTEN).
  - ADJUST THE POSITIONS OF THE BASEPLATES AND MODULES AS NECESSARY TO SEAT THE LOCATING TOOL FLANGES ON THE RECEIVER FLANGES. USE RECEIVER SHIMS IF NECESSARY. CENTER THE SCALE WITHIN THE FOUNDATION.
  - AT THIS POINT, COUPLER SHIMS MAY BE USED IF NEEDED TO FILL ANY GAP BETWEEN THE COUPLER/RECEIVER PLATES AND MODULES.
  - TIGHTEN THE ANCHOR BOLTS THAT WERE PREVIOUSLY INSTALLED. INSTALL AND TIGHTEN REMAINING BASEPLATE ANCHORS. THIS MAY REQUIRE THAT MODULES BE REMOVED FROM THE PIT TO ALLOW ACCESS FOR DRILLING. ONCE ALL ANCHORS ARE IN PLACE AND ALL MODULES ARE BACK IN THE PIT, APPLY LOCTITE TO COUPLER/RECEIVER PLATE AND END RECEIVER PLATE BOLTS AND TORQUE TO 100 LB-FT.
  - GREASE THE BEARING SURFACES AT THE ENDS OF THE LOAD CELLS WITH THE SUPPLIED LUBRICANT. INSTALL LOAD CELLS.
  - INSTALL END BUMPER COMPONENTS. END PLATE BUMPER GAPS AS REQUIRED. WHEN ADJUSTING THE END BUMPERS, ALL SHIMS MUST REMAIN WITH THE ASSEMBLY. RELOCATE SHIMS FROM ONE SIDE OF THE ENDPLATE TO THE OTHER TO ADJUST THE END GAP. COMPLETE REMOVAL OF ANY SHIM FROM THE ASSEMBLY WILL RESULT IN DAMAGE TO THE BUMPER ASSEMBLY. NOTE THAT SEASONAL BUMPER ADJUSTMENTS MAY BE REQUIRED.
  - LOCATE THE LATERAL BUMPER BOLTS, WASHERS, NUTS, SHIMS AND INSTALL. SET THE LATERAL BUMPER GAP AS SHOWN IN DETAIL A. TIGHTEN ALL LATERAL BUMPER FASTENERS.
  - REFER TO WIRING DIAGRAM FOR CABLING DETAILS.

- CONCRETE NOTES:
- USE 5500 PSI CONCRETE AT 28 DAY AGE. AIR ENTRAINMENT SHALL BE 5%-7%. MAXIMUM AGGREGATE SIZE IS 3/4". MAXIMUM SLUMP AS PLACED SHALL BE 4". THE REQUIRED FIBER REINFORCEMENT WILL BE PROVIDED BY METTLER TOLEDO AND SHALL BE ADDED TO THE CONCRETE MIX AT THE RATE OF ONE BAG PER CUBIC YARD.
  - BEFORE PLACING CONCRETE, ALL MODULES LONGER THAN 17.5' MUST BE STORIED, WITH THE NOMINAL REQUIREMENT BEING FULL SUPPORT ACROSS THE WIDTH OF EACH MODULE WHERE THE SHORING IS LOCATED AT THE CENTER OF EACH MODULE (LENGTHWISE).
  - CONCRETE SHALL BE DIRECT CHUTE PLACED AND THOROUGHLY CONSOLIDATED USING A SPUD TYPE VIBRATOR.
  - USE OF CALCIUM CHLORIDE ADMIXTURE IS NOT PERMITTED.
  - AFTER FINISHING, A STYRENE BUTADIENE TYPE(30% SOLIDS MIN) CURING COMPOUND SHALL BE APPLIED.
  - REFER TO DRAWING TN206090 FOR CONCRETE SPECIFICATION.
  - ESTIMATED CONCRETE PER MODULE IN CUBIC YARDS (REF ONLY):  
15'x11' = 4.2    17'6"x11' = 4.9    20'x11' = 5.6    23'x11' = 6.6

SIZE & CONFIGURATION					DIMENSIONAL CHART						
SCALE SIZE	MODULE 1	MODULE 2	MODULE 3	MODULE 4	FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	"F"	"G"
70"	17.5'	17.5'	17.5'	17.5'	70'-2 1/2" -0/+1	70'-0 1/2"	69'-6 1/2"	17'-3"	17'-6 1/4"	17'-6 1/4"	17'-3"
75"	17.5'	20'	20'	17.5'	75'-2 1/2" -0/+1	75'-0 1/2"	74'-6 1/2"	17'-3"	20'-0 1/4"	20'-0 1/4"	17'-3"
80"	20'	20'	20'	20'	80'-2 1/2" -0/+1	80'-0 1/2"	79'-6 1/2"	19'-9"	20'-0 1/4"	20'-0 1/4"	19'-9"
87"	20'	23.3'	23.3'	20'	86'-10 1/2" -0/+1	86'-8 1/2"	86'-2 1/2"	19'-9"	23'-4 1/4"	23'-4 1/4"	23'-1"
90"	23.3'	23.3'	20'	23.3'	90'-2 1/2" -0/+1	90'-0 1/2"	89'-6 1/2"	23'-1"	23'-4 1/4"	20'-0 1/4"	23'-1"
93"	23.3'	23.3'	23.3'	23.3'	93'-6 1/2" -0/+1	93'-4 1/2"	92'-10 1/2"	23'-1"	23'-4 1/4"	23'-4 1/4"	23'-1"



- VTC100 (PDX) ONLY  
VTC100 (GDD) ONLY  
VTC100 (ANALOG) ONLY  
VTC100 (PDX) ONLY  
VTC100 (GDD) ONLY  
VTC100 (ANALOG) ONLY

50	8	69033693	CAPLUG, #19, FOR ENDPLATE HOLES
49	16	69033694	CAPLUG, #16, FOR SIDE LIFTING HOLES
48	1	68004258	CONNECTOR CLEANER
47	4	61038104	LOCTITE #262 THREADLOCKER
46	2	68004326	RECEIVER GREASE
45	2	61077016	7461, SHIM, RCVR PLATE, 16 GA
44	2	61077015	7461, SHIM, RCVR PLATE, 11 GA
43	10	69034087	CLAMP BAR, FOR 3/4" ANCHOR
42	30	68004325	ANCHOR BOLT
41	8	61037252	WSHR, PLAIN, 1/2, ZN
40	8	61072738	BOLT, 1/2-13X2.25, HHCS, ZN
39	8	61037796	7461, END BMPR, 1/16 SHIM
38	8	61037795	7461, END BMPR, 1/8 SHIM
37	8	61037794	7461, END BMPR, 1/4 SHIM
36	4	61037793	7461, END BUMPER
35	12	68004062	WASHER, 5/8N, F436
34	4	61037989	BOLT, 5/8-11X1.75, A325
33	4	68004109	SHIM, SLOTTED, 1/32"
32	4	68004108	SHIM, SLOTTED, 1/16"
31	4	61038115	NUT, 5/8-11, HEX, ZN, GR8
30	64	68004065	WASHER, 3/4N, A325
29	64	61038114	BOLT, 3/4-10 X 2, ZN, GR8
28	10	61043498	PDX LOWER RECEIVER
27	10	30283111	GDD LOWER RECEIVER
26	10	61046447	BOTTOM HEX RECEIVER FOR 0782
25	10	61043499	PDX UPPER RECEIVER & O-RING ASSY
24	10	30283112	GDD UPPER RECEIVER & O-RING ASSY
23	10	61046446	TOP RECEIVER (W/ O-RING) FOR 0782
22	20	61043491	RECEIVER SHIM, 1/16" THICK (16 GA)
21	10	61043490	RECEIVER SHIM, 1/8" THICK (11 GA)
20	10	61043489	RECEIVER SHIM, 1/4" THICK
ITEM	QTY	PART NUMBER	DESCRIPTION
			61087145
			30291262
			61087146
			HARDWARE KIT OF PARTS:

19	1	61087146	HARDWARE KIT OF PARTS, 0782 (VTC100)
18	1	30291262	HARDWARE KIT OF PARTS, GDD (VTC100)
17	1	61087145	HARDWARE KIT OF PARTS, PDX (VTC101)
16	REF	61023474	MANHOLE COVER AND RING
15	REF	61085813	FIBER REINFORCEMENT, 1.5# BAG
14	1	***	WIRING KIT OF PARTS
13	1	61043158	TOUCH-UP PAINT KIT
12	30	61043497	PIN, PDX LOWER RECEIVER
11	6	61046440	VTX10X WLDMT MID RCVR ASSY
10	4	61077682	VTX10X, WLDMT, END UPPER RCVR ASSY
9	1	**	TERMINAL MODULE
8	2	**	MIDDLE MODULE
7	1	**	FIRST MODULE
6	4	61046448	VTX 10X WLDMT, END BASEPLATE
5	6	61045779	VTX 10X BASEPLATE
4	1	61071325	Data Label, MTMS
3	10	42904891	LOAD CELL, PDX, 50mt CAPACITY
2	10	72236271	LOAD CELL, GDD, 30mt CAPACITY
1	10	71201709	LOAD CELL, 0782, 30t CAPACITY
ITEM	QTY	PART NUMBER	DESCRIPTION

MAJOR BILL OF MATERIAL

REV	CHANGE	BY	DATE	SCALE	0.250
A	CONCRETE PSI WAS 4000	KRS	09/08/11	DATE	8/10/10
B	ADDED 87" AND 90" CONFIG.	KRS	06/21/13	DRN	JLB/APDP JLB
C	ADDED GDD OPTION AND N109 (WAS TC208404)	CAK	11/20/15	TITLE	VTX10X GENERAL LAYOUT, 4-MOD SCALE, PIT INSTALLATION
					UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE: FRACTIONAL DECIMAL ANGULAR .XX ± .02 .X ± .5° ± 1/16 .XXX ± .005
					THIS PRINT IS FURNISHED WITH THE UNDERSTANDING THAT THE ESSENCE THEREOF WILL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN AUTHORIZATION OF METTLER-TOLEDO, LLC. ALL DESIGNS ARE THE PROPERTY OF METTLER-TOLEDO, LLC. AND WILL BE PROTECTED BY PATENTS.
					61803145
					REV C

METTLER TOLEDO