



1. 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.
2. INSTALL COUPLER/RECEIVER PLATES, END RECEIVER PLATES, AND TOP RECEIVERS ON FIRST MODULE. FASTENERS SHOULD BE SEATED AND SNUG BUT NOT TIGHTENED.
3. SET FIRST MODULE ON LOCATING TOOLS AT END OF FOUNDATION.
4. INSTALL COUPLER/RECEIVER PLATES AND TOP RECEIVERS ON THE NEXT (MIDDLE) MODULE, OPPOSITE THE END THAT WILL CONNECT TO THE PREVIOUS MODULE.
5. 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).
6. REPEAT STEPS 4 AND 5 UNTIL ALL MIDDLE MODULES HAVE BEEN PLACED.
7. 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.
8. 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).
9. 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.
10. AT THIS POINT, COUPLER SHIMS MAY BE USED IF NEEDED TO FILL ANY GAP BETWEEN THE COUPLER/RECEIVER PLATES AND MODULES.
11. TIGHTEN THE ANCHOR BOLTS WHAT 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.
12. GREASE THE BEARING SURFACES AT THE ENDS OF THE LOAD CELLS WITH THE SUPPLIED LUBRICANT. INSTALL LOAD CELLS.
13. INSTALL END BUMPER COMPONENTS. ADJUST END BUMPER POSITIONS AS REQUIRED. WHEN ADJUSTING THE END BUMPERS, ALL SHIMS MUST REMAIN WITH THE ASSEMBLY. RELOCATE SHIMS FROM INSIDE OF THE ENDPLATE TO THE OTHER TO ADJUST THE END GAP. COMPLETE REMOVAL OF ANY SHIMS FROM THE SCALE WILL RESULT IN DAMAGE TO THE BUMPER ASSEMBLY. NOTE THAT SEASONAL BUMPER ADJUSTMENTS MAY BE REQUIRED.
14. 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.
15. REFER TO WIRING DIAGRAM FOR CABLEING DETAILS.

VTC101 (PDX) ONLY

CONCRETE NOTES:

- C1. USE 5500 PSI CONCRETE WITH 3% MAX AIR ENTRAINMENT SHALL BE 5%-7% MAXIMUM AGGREGATE SIZE IS 1 1/2" 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.
- C2. BEFORE PLACING CONCRETE, ALL MODULES LONGER THAN 17.5' MUST BE SHORED 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).
- C3. CONCRETE SHALL BE DIRECT CHUTE PLACED AND THOROUGHLY CONSOLIDATED USING A SPUD TYPE VIBRATOR.
- C4. USE OF CALCIUM CHLORIDE ADMIXTURE IS NOT PERMITTED.
- C5. AFTER FINISHING, A STYRENE BUTADIENE TYPE(30% SOLIDS MIN) CURING COMPOUND SHALL BE APPLIED.
- C6. REFER TO DRAWING IN206090 FOR CONCRETE SPECIFICATION.
- C7. ESTIMATED CONCRETE PER MODULE IN CUBIC YARDS (REF ONLY):
17'x11' = 4.2 17'x6'11" = 4.9 20'x11' = 5.6 23'x11' = 6.6

SIZE & CONFIGURATION				DIMENSIONAL CHART					
SCALE SIZE	MODULE 1	MODULE 2	MODULE 3	FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	"F"
52'-5"	17.5'	17.5'	17.5'	52'-8 1/4" -0/+1	52'-6 1/4"	52'-0 1/4"	17'-3"	17'-6 1/4"	17'-3"
55'	17.5'	20'	17.5'	55'-2 1/4" -0/+1	55'-0 1/4"	54'-6 1/4"	17'-3"	20'-0 1/4"	17'-3"
60'	20'	20'	20'	60'-2 1/4" -0/+1	60'-0 1/4"	59'-6 1/4"	19'-9"	20'-0 1/4"	19'-9"
70'	23.3'	23.3'	23.3'	70'-2 1/4" -0/+1	70'-0 1/4"	69'-6 1/4"	23'-1"	23'-4 1/4"	23'-1"

```

VTC101 (PDX) ONLY
VTC100 (GDD) ONLY
VTC100 (ANALOG) ONLY
VTC101 (PDX) ONLY
VTC100 (GDD) ONLY
VTC100 (ANALOG) ONLY


```

50	6	69033693	CAPLUG, #19, FOR ENDPATE HOLES
49	12	69033694	CAPLUG, #16, FOR SIDE LIFTING HOLES
48	1	68004258	CONNECTOR CLEANER
47	3	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	8	69034087	CLAMP BAR, FOR 3/4" ANCHOR
42	24	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	48	68004065	WASHER, 3/4N, A325
29	48	61038114	BOLT, 3/4-10 X 2, ZN, GR8
28	8	61043498	PDX LOWER RECEIVER
27	8	30283111	GDD LOWER RECEIVER
26	8	61046447	BOTTOM HEX RECEIVER FOR 0782
25	8	61043499	PDX UPPER RECEIVER & O-RING ASSY
24	8	30283112	GDD UPPER RECEIVER & O-RING ASSY
23	8	61046446	TOP RECEIVER (W/ O-RING) FOR 0782
22	16	61043491	RECEIVER SHIM, 1/16" THICK (16 GA)
21	8	61043490	RECEIVER SHIM, 1/8" THICK (11 GA)
20	8	61043489	RECEIVER SHIM, 1/4" THICK
ITEM	QTY	PART NUMBER	DESCRIPTION
HARDWARE KIT OF PARTS:			61087143 30291261 61087144

VTC100 (ANALOG) ONLY
VTC100 (GDD) ONLY
VTC101 (PDX) ONLY

19	I	61087144	HARDWARE KIT OF PARTS, 0782 (VTC100)
18	I	30291261	HARDWARE KIT OF PARTS, GDD (VTC100)
17	I	61087143	HARDWARE KIT OF PARTS, PDX (VTC101)
16	REF	61023474	MANHOLE COVER AND RING
15	REF	61085813	FIBER REINFORCEMENT, 1.5# BAG
14	I	***	WIRING KIT OF PARTS
13	I	61043158	TOUCH-UP PAINT KIT
12	24	61043497	PIN, PDX LOWER RECEIVER
11	4	61046440	VTX10X WLDMT MID RCVR ASSY
10	4	61077682	VTX10X, WLDMT, END UPPER RCVR ASSY
9	I	**	TERMINAL MODULE
8	I	**	MIDDLE MODULE
7	I	**	FIRST MODULE
6	4	61046448	VTX 10X WLDMT, END BASEPLATE
5	4	61045779	VTX 10X BASEPLATE
4	I	61071325	Data Label, MTMS
3	8	42904891	LOAD CELL, PDX, 50mt CAPACITY
2	8	72236271	LOAD CELL, GDD, 30mt CAPACITY
1	8	71201709	LOAD CELL, 0782, 30t CAPACITY
ITEM	QTY	PART NUMBER	DESCRIPTION
MAJOR BILL OF MATERIAL			

MAJOR BILL OF MATERIAL

REV	CHANGE	BY	DATE	SCALE	0.250	<div>  </div>
A	CONCRETE PSI WAS 4000	KRS	09/08/11	DATE	11/05/10	
B	ADDED GDD OPTION AND NI09 (WAS TC208403)	CAK	11/20/15	DRN	JLB APPD JLB	
				TITLE		VTC10X GENERAL LAYOUT, 3-MOD SCALE,
						PERIT INSTALLATION
				UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES, AND DIMENSIONAL TOLERANCES ARE:		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.
				FRACTIONAL DECIMAL ANGULAR $\pm 1/16$ $\pm .01$ $\pm .5^\circ$ $\pm .005$ $\pm .002$		<div>61803144</div> <div>REV B</div>

