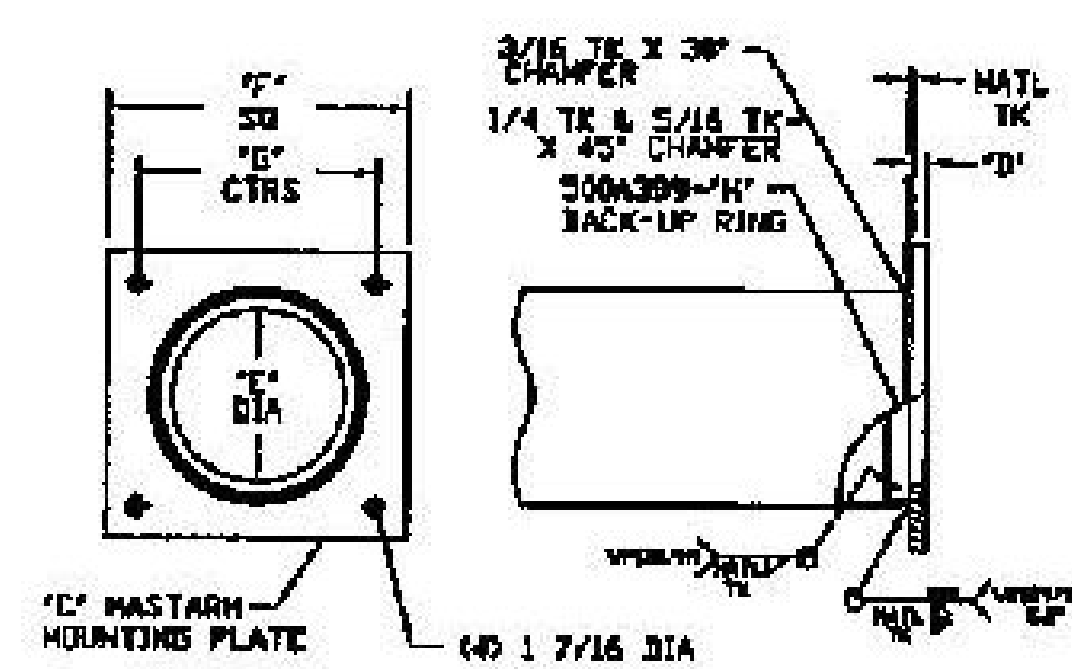


-DETAIL ② OPTIONAL MASTARM SIGNAL WIRE ENTRANCE HUB(S)-

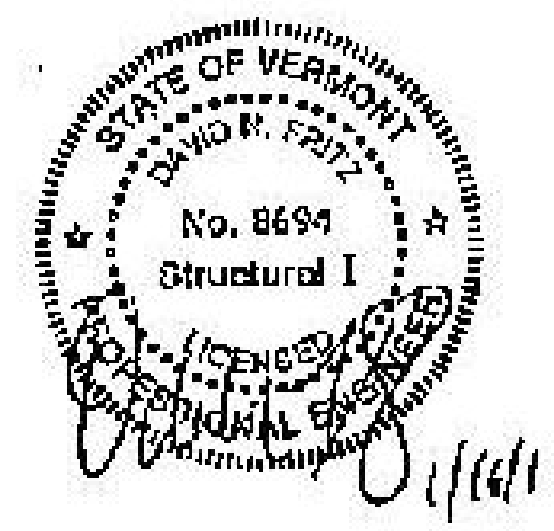


-DETAIL ① MASTARM BASE-

NOTE :

1. MATERIAL- HIGH STRENGTH LOW ALLOY STEEL 55,000 PSI MIN YIELD PER ASTM A572 OR A10H. MOUNTING PLATE MATERIAL PER ASTM A36.
2. FINISH- HOT DIP GALVANIZED PER ASTM A123 WITH TOP COAT PAINTED MILLERBERND FLAT BLACK MILLERBERND #PT-1-17-FTU-093-FR
3. MASTARM TO BE ROUND TUBE FABRICATED WITH ONE SUBMERGED ARC LONGITUDINAL SEAM WELD WITH 100% PENETRATION 4\"/>

DASH NO	QTY	POST SIZE	Ø" SHAFT SIZE	SHAFT BLANK SIZE	Ø" BASE PLATE (MIN)	Ø" BASE TK	Ø" BASE DIA CUTOUT	Ø" BASE SQ	Ø" HOLE CTRS	Ø" BACK-UP RING 500A399-	Ø" DELTECH PLASTIC CAP	Ø" BOLT LG	Ø" RISE
P15C7	3	E0	3/16 X 7.0 X 4.90 X 15'-0"	21 3/8 + 14 13/16 = 36 3/16	291	1 1/4	4 1/2	14"	11"	500A399-12	5" 8600021	4 1/2	3.0"
P15C7		E0	3/16 X 7.0 X 4.34 X 19'-0"	21 3/8 + 13 1/16 = 34 7/16	33	1 1/4	4 1/8	16 1/2	12 1/2	500A399-12	4 3/4 8600019	4 1/2	2.5"
P20C7		E0	3/16 X 7.0 X 4.20 X 20'-0"	21 3/8 + 12 5/8 = 34"	291	1 1/4	4 1/2	14"	11"	500A399-12	4 3/4 8600019	4 1/2	2.0"
P20C8		E1	3/16 X 8.0 X 5.20 X 20'-0"	24 9/16 + 15 3/4 = 40 3/16	302	1 1/4	5 1/2	15"	12"	500A399-13	5 1/4 8600022	4 1/2	2.0"
P20C9	2	E2	3/16 X 9.0 X 6.20 X 20'-0"	27 11/16 + 18 3/4 = 46 9/16	188	1 1/4	6 1/2	16"	13"	500A399-51	6 1/4 8600022	4 1/2	3.0"
P25C7		E0	3/16 X 7.0 X 3.5 X 25'-0"	21 3/8 + 10 7/16 = 31 13/16	291	1 1/4	4 1/2	14"	11"	500A399-12	3 1/2 8600015	4 1/2	2.0"
P25C8		E1	3/16 X 8.0 X 4.5 X 25'-0"	24 9/16 + 13 9/16 = 38 1/8	271	1 1/4	5 1/2	15"	12"	500A399-13	4 1/2 8600015	4 1/2	3.0"
P25C9	1	E2	3/16 X 9.0 X 5.5 X 25'-0"	27 11/16 + 16 11/16 = 44 3/8	188	1 1/4	6 1/2	16"	13"	500A399-51	5 1/2 8600015	4 1/2	3.0"
P30C8		E1	3/16 X 8.0 X 3.8 X 30'-0"	24 9/16 + 11 3/8 = 35 15/16	271	1 1/4	5 1/2	15"	12"	500A399-13	3 3/4 8600016	4 1/2	3.0"
P30C9		E2	3/16 X 9.0 X 4.8 X 30'-0"	27 11/16 + 14 1/2 = 42 3/16	188	1 1/4	6 1/2	16"	13"	500A399-51	4 3/4 8600020	4 1/2	3.0"
P30C1	1	E4	3/16 X 11.0 X 6.8 X 30'-0"	33 15/16 + 23 3/4 = 54 3/4	169	1 1/2	8 1/2	18"	15"	500A399-110	6 3/4 8600034	5"	3.0"
P32C9		E2	3/16 X 9.0 X 4.52 X 32'-0"	27 11/16 + 13 5/8 = 41 5/16	6	1 1/4	7 1/8	16 1/2	13 1/2	500A399-51	4 1/2 8600019	4 1/2	2.5"
P35C0		B3	3/16 X 10.0 X 5.1 X 25'-0"	28 13/16 + 15 7/16 = 46 1/4	21	1 1/2	8"	17 1/2	14 1/2	500A399-23	5" 8600021	5"	3.0"
P45D1		B3	1/4 X 11.0 X 4.56 X 46'-0"	33 3/4 + 13 9/16 = 47 5/16	22	1 3/4	9"	18 1/2	15 1/2	500A399-21	4 1/2 8600019	5"	3.0"



PO#3250-2139 / VT DOT: STP.0284(17) RICHMOND / VT ROUTE 2, VT ROUTE 117
 US ROUTE 2,
 OFF-RAMP (RAMP D)
 MILLERBERND #51660
 REV 9-23-13 CHANGED GRADE 50 TO 55

2	15'	ADVISE	780B94-P15C7/ADVISE (ADVISE 2, 3, or 4 CPLG)
1	15'	ADVISE	780B94-P15C7/ADVISE (ADVISE 1, or 2 CPLG)
2	20'	ADVISE	780B94-P20C9/ADVISE (ADVISE 2, or 3 CPLG)
1	25'	ADVISE	780B94-P25C9/ADVISE (ADVISE 2, or 3 CPLG)
1	30'	ADVISE	780B94-P30C1/ADVISE (ADVISE 2, or 3 CPLG)
QTY	Ø" LENGTH	Ø" OPTIONAL WIRE ENTRANCE HUB LOCATIONS	780B94-DASH NUMBER 780B94-P35C0/VII-23
DOT: STP.0284(17) RICHMOND / VT ROUTE 2, VT ROUTE 117			
DRAWN: PAUL F.		RCB3,E2,E0)HA-VT ROUND SIGNAL MASTARM	
DATE: 3-27-06		WITH 1 1/4 WIRE ENTRANCE HUB(S) FOR SIGNAL HEAD(S)	
CHK: WILL G.		Millerbernd MANUFACTURING CO. WINSTON, MN	
SCALE: NTS		780B94	

APPROVED
 By Derek Lyman at 8:55 am, Feb 11, 2014