

QTY.	U.M.C. DESIGN NUMBER	POLE TUBE SIZE	MAST ARM DATA		LUMINAIRE SPREAD			ARM CONNECTION DATA						BASE CONNECTION DATA						A.BOLT SIZE	
			MTG. HGT.	SPREAD	TUBE SIZE	ORIENT	JOINT LENGTH	H	W	Y	X	APT	PPT	BOLT #	G	B.C.	SQ	F	P	T	
1	50914-B444-Y1	3E-16.0x11.5x2x32'-0"	19'-0"	45'-0"	7E-12.0x8.96x21'-9" 11E-9.48x8.96x25'-0"	180°	21	16	20	12	17	1 1/4	1	1 1/4	21	21	14 7/8	6	1 1/4	1 1/2x5x6	

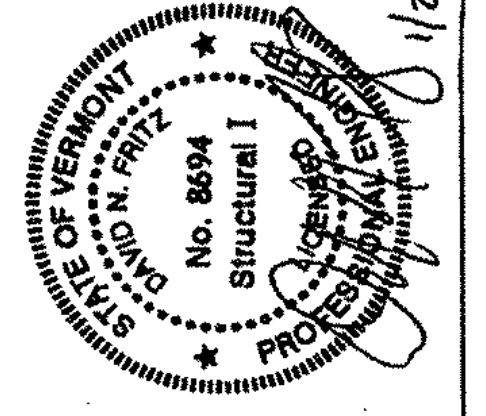
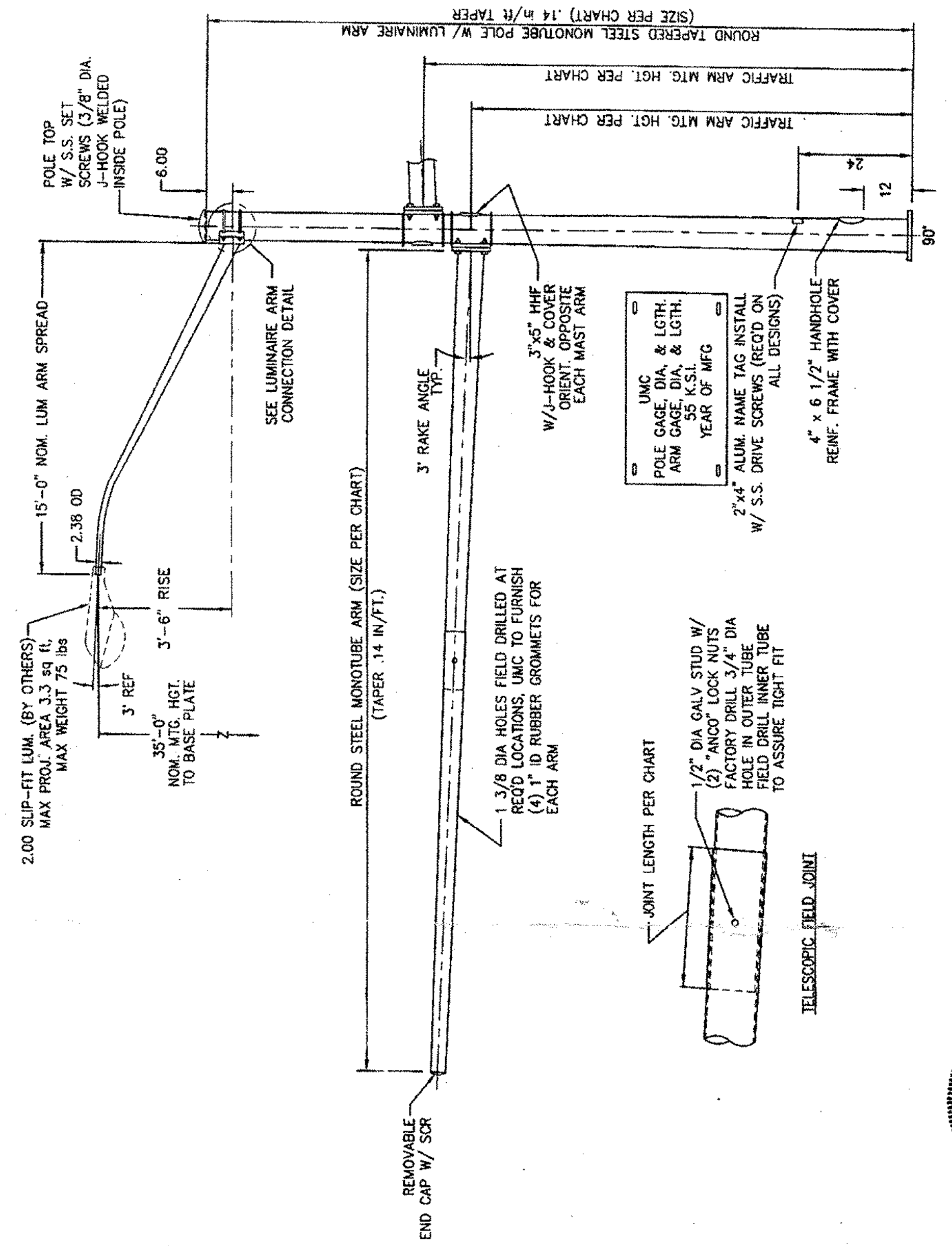
7 GAGE = 1793
 3 GAGE = 2590
 E = .14 IN/FT

DESIGN CRITERIA:

- DESIGNED IN ACCORDANCE WITH 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, INCLUDING 2003 INTERSECTION SIGNS, INCLUDING A NATURAL WIND & TRUCK GUSTS @ 35 MPH. NO CONSIDERATION FOR GALLOPING OR VORTEX SHEDDING.
- THE EXPOSED LENGTH OF THE ANCHOR BOLT BETWEEN THE TOP OF THE FOUNDATION AND THE BOTTOM OF THE LEVELING NUT SHOULD NOT EXCEED ONE BOLT DIAMETER.
- ANCHOR BOLT ANALYZED FOR STEEL STRENGTH ONLY. THE ANCHOR BOLT ENGAGEMENT LENGTH SHOWN ON THIS DRAWING SHALL BE VERIFIED BY THE FOUNDATION ENGINEER.
- PER AASHTO THE MINIMUM LENGTH OF ANY TELESCOPIC FIELD JOINT SHALL BE 1.5 TIMES THE INSIDE DIAMETER OF THE END OF THE FEMALE SECTION.
- ARMS HAVE 3" MANUF. CAMBER TO ALLOW FOR DEAD LOAD DEFLECTION.

NOTE: UNITS ARE IN INCHES (in) UNLESS OTHERWISE SPECIFIED.

MATERIAL SPECIFICATION	
MONOTUBES	ASTM-A505 OR A
PLATE	ASTM-A36
PIPE	ASTM-A501
HANDHOLE FRAME	ASTM-A529 GR. 50 (PREFERRED) or ASTM-A572 GR. 50 or ASTM-A709 GR. 50
ANCHOR BOLTS	SS1 A276 1/4" TYPE 304
HANDHOLE COVER	ASTM A1011 GR. 50
POLE TOP WELD MATERIAL	ASTM A1011 GR. 50 OR B209
S.S. HARDWARE	AISI-300 SERIES
ARM CONN. BOLTS	ASTM-A325
ARM CONN. NUTS	ASTM-A563 GR. DH
FLAT WASHERS	ASTM-A306
STUDS	ASTM-A563 GR. A
"ANCO" LOCK NUTS	H.D. GALV. ASTM-A123
STRUCTURE FINISH	PER UMS 1006 (POWDER COAT FINISH)
HARDWARE FINISH	H.D. GALV. ASTM-A153



STATE:	VERMONT	REV / SUP :	17295-1	REV	DESCRIPTION	DATE	REV BY
PROJECT NAME: ESSEX, VT					STEEL TRAFFIC CONTROL STRUCTURES		
DESIGNED BY: AJO				CHECKED BY: AJO	DATE: 1/26/07	SCALE: NTS	50914-B202
PROJECT NO: 50914-B444				REVISION	NO	SHEET	1 OF 2

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