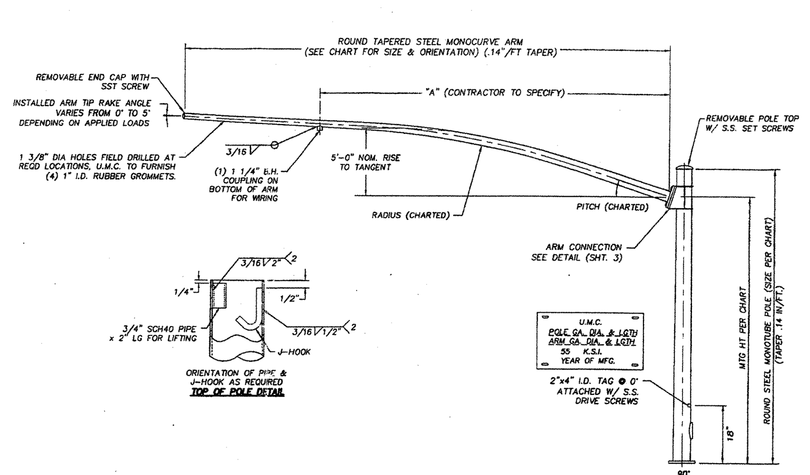
QTY.	U.M.C. DESIGN NUMBER	POLE TUBE SIZE	ARM SPREAD	ARM TUBE SIZE	MTG HT	ARM ORIENT.	RADIUS	PITCH	ARM CONNECTION DATA X	Y	W	H	APL	PPL	BOLT ø	G	BASE CONNECTION DATA B.C.	S	F	P	T	ANC. BOLT (QTY.) & SIZE
1	50600-B180-Y1	7E-10.50x8.05x17'-6"	25'-0"	7E-7.00x3.36x26'-0"	16'-0"	180°	26'-0"	26°	3 1/2	10	12	15 1/2	1 1/4	1	1	3/16	14	14 1/2	9 7/8	4 1/4	1	(4) 1x36x4
2	50600-B180-Y2	7E-12.00x9.55x17'-6"	30'-0"	7E-8.00x3.70x30'-9"	16'-0"	180°	60'-0"	18°	6 1/2	14	13	18	1 1/4	1	1	3/16	16	16	11 5/16	4 1/2	1 1/4	(4) 1x36x4



DESIGN CRITERIA:

1. DESIGNED IN ACCORDANCE WITH 2001 AASHTO STANDARD SPECIFICATIONS WITH 2002 & 2003 INTERIM REVISIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS"
   THE DESIGN PARAMETERS INCLUDE:
   90 MPH WIND ZONE
   25 YEAR STRUCTURE DESIGN LIFE
   FATIGUE CATEGORY II CONSIDERATION FOR:
   NATURAL WIND GUSTS
   TRUCK INDUCED GUST (35 MPH VEHICLE SPEED)
2. ANCHOR BOLTS ANALYZED FOR STEEL STRENGTH ONLY. THE ANCHOR BOLT EMBEDMENT LENGTH SHOWN ON THIS DRAWING SHALL BE VERIFIED BY THE FOUNDATION ENGINEER.
3. 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.
4. CONTRACTOR TO SPECIFY ARM COUPLING LOCATION (DIMENSION "A")
5. ANCHOR BOLTS BY OTHERS

MATERIAL SPECIFICATION	
MONOTUBES	ASTM-A595 GR A
PLATES	ASTM-A36
ANCHOR BOLTS	ASTM-A276 M55 TYPE 304
HANDHOLE FRAME	ASTM-A529 GR 50 (PREFERRED) or ASTM-A572 GR 50 or ASTM-A709 GR 50
HANDHOLE COVER	ASTM A1011 GR 55
POLE TOP	ASTM B26 (319F)
STAINLESS STEEL HARDWARE	AISI-300 SERIES (18-8)
ARM CONNECTION BOLTS	ASTM-A325
ARM CONNECTION NUTS	ASTM-A563 GR DH
FLAT WASHERS	ASTM-F436
STRUCTURE FINISH	PER SALES ORDER
HARDWARE FINISH	HD GALV TO ASTM-A153

STATE OF VERMONT
DAVID N. FRITZ
No. 8694
Structural I
LICENSED PROFESSIONAL ENGINEER
7/5/07

STATE: VERMONT	REQ# / SO# : 20068-1	REV	DESCRIPTION	DATE	REV BY	CHK BY
PROJECT NAME: HINESBURG, VT		REVISIONS				

STEEL TRAFFIC POLES
HINESBURG, VERMONT

Union Metal Corporation

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DESIGNED BY	CHECKED BY	DATE	SCALE	ENG REF
NMG	[illegible]	7/2/07	--	50600-B178

DRAWING NO.	REVISION	SHEET
50600-B180	R0	1 OF 2

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