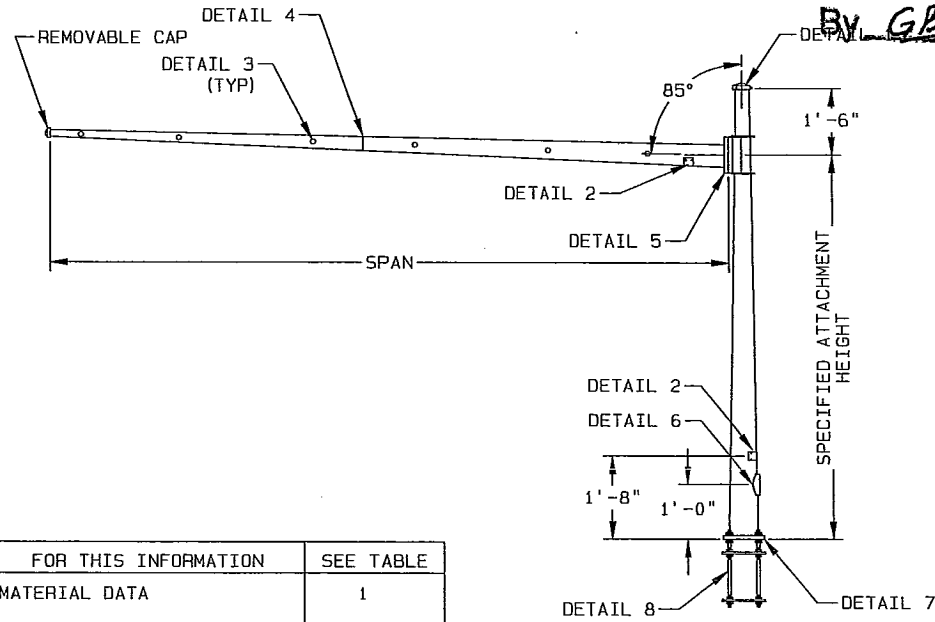
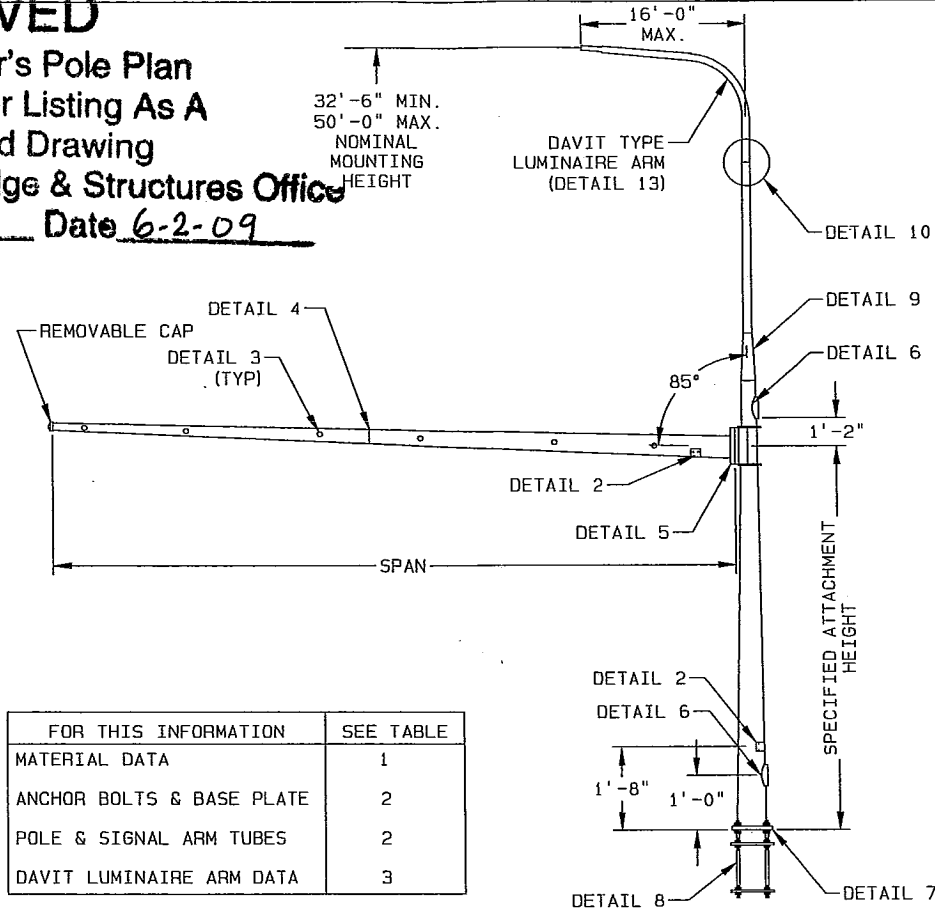


APPROVED
 Manufacturer's Pole Plan
 Approved For Listing As A
 Pre-Approved Drawing
 WSDOT Bridge & Structures Office
 BY *GB* Date 6-2-09



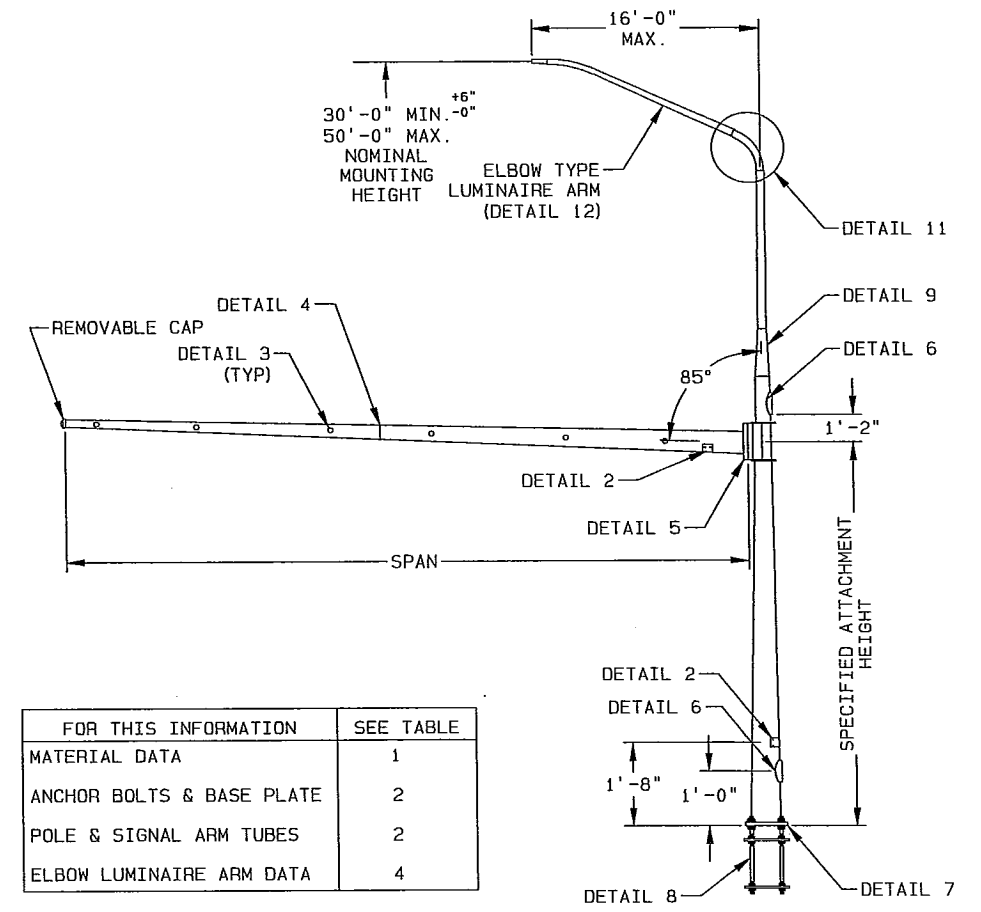
FOR THIS INFORMATION	SEE TABLE
MATERIAL DATA	1
ANCHOR BOLTS & BASE PLATE	2
POLE & SIGNAL ARM TUBES	2

WASHINGTON POLE TYPE II



FOR THIS INFORMATION	SEE TABLE
MATERIAL DATA	1
ANCHOR BOLTS & BASE PLATE	2
POLE & SIGNAL ARM TUBES	2
DAVIT LUMINAIRE ARM DATA	3

WASHINGTON POLE TYPE III-J



FOR THIS INFORMATION	SEE TABLE
MATERIAL DATA	1
ANCHOR BOLTS & BASE PLATE	2
POLE & SIGNAL ARM TUBES	2
ELBOW LUMINAIRE ARM DATA	4

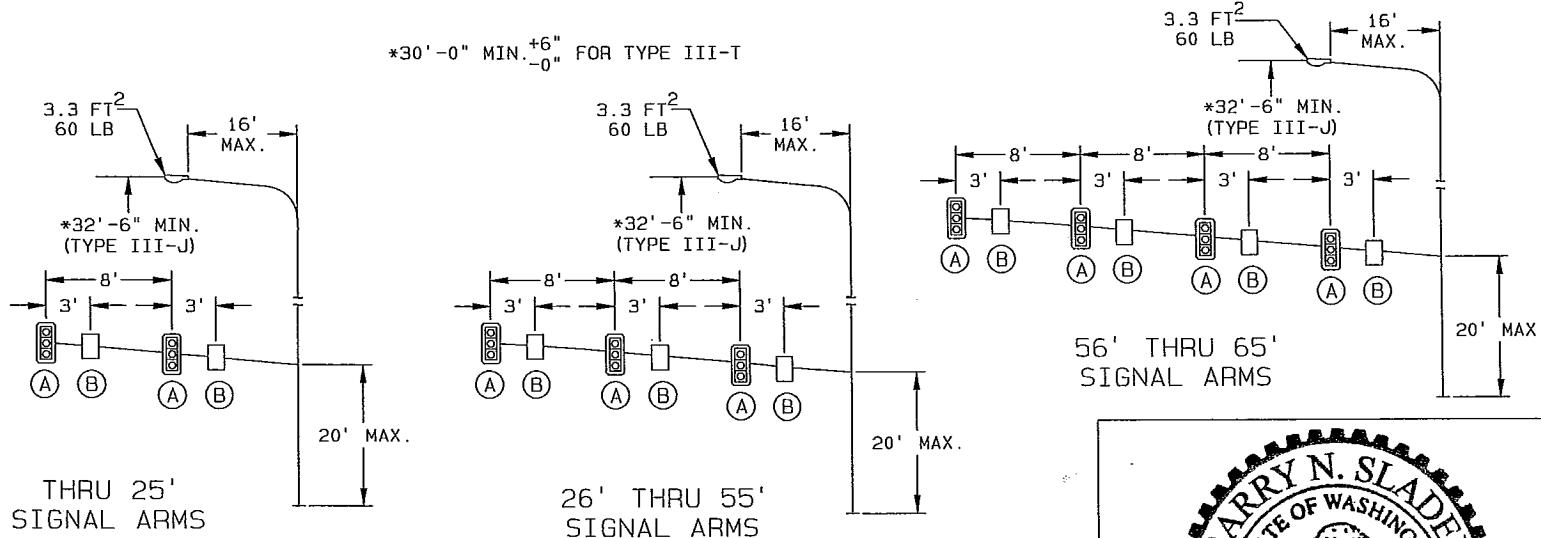
WASHINGTON POLE TYPE III-T

DESIGN CRITERIA:
 2001 AASHTO STANDARD SPECIFICATION FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
 -50 YEAR DESIGN LIFE/RECURRENCE INTERVAL
 -FATIGUE CATEGORY III
 -GALLOPING & TRUCK-INDUCED FATIGUE INCLUDED

WIND VELOCITY:
 90 MPH ISOTACH.

MAXIMUM TRUCK-INDUCED FATIGUE
 65 MPH

CAFL AT CRITICAL CONNECTIONS
 -POLE TO BASE PLATE CONNECTION = D
 -ARM TO SIMPLEX PLATE CONNECTION = D
 -SIMPLEX GUSSETS = ET
 -POLE WALL AT SIMPLEX GUSSET = E
 -POLE SHAFT = B'



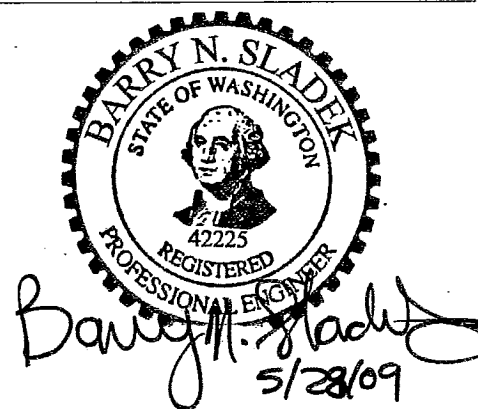
DEVICE	DESCRIPTION	PROJ. AREA (FT²)	WEIGHT (LBS)
(A) SIGNAL	12"-3 SEC. SIGNAL WITH BACKPLATES	9.20	60
(B) SIGN	30" X 24" DIRECTIONAL SIGN	5.00	60

XYZ VALUES LISTED ON PAGE 2 OF 3 INCLUDE SIGNS AND SIGNALS, AND ONE LUMINAIRE WITH A 16'-0" ARM ON THE TYPE III POLES.

LOADING INFORMATION

TABLE 1: MATERIAL DATA

COMPONENT	DESIGNATION	MIN. YIELD (KSI)
POLE AND SIGNAL ARM TAPERED TUBES	A595 GR. A OR A572	55
BASE PLATE	A36	36
SIGNAL ARM ATTACHMENT PLATES	A36	36
SIGNAL ARM GUSSET PLATES	A36	36
SIGNAL ARM CONN. BOLTS	A325	--
LUMINAIRE ARM	A595 GR. A	55
POLE TOP EXTENSION	A595 GR. A	55
REDUCING CONE	A595 GR. A	55
HANDHOLE RIM	A500 GR. B OR C A513 GR. 1035 OR 1040	50* 50
	*WITH FURTHER RESTRICTION ON MINIMUM YIELD STRENGTH HELD TO 50 KSI.	
PIPE TUBING	A53 GR. B A501 A513 GR. 1015 A618	35 36 35 50
ELBOW	A500 GR. B A513 TYPE 5 GR. 1026	42 45
ANCHOR BOLTS	F 1554	105
NUTS	ASTM A563 GR. C, D, OR DH	--
WASHERS	ASTM F436	--
GALVANIZING	A123 & A153	--



REV	DRWN BY-DATE	CHECK BY-DATE	DESCRIPTION
M	JKC 05/27/09	JKC 05/28/09	REV. POLE BASE DIA. & WALL THICKNESS
L	JKC 03/04/09	JKC 03/05/09	REV. POLE BASE DIA. & TUBE MATERIAL
K	JKC 04/01/08	JKC 04/02/08	ANCHOR PLATES CENTER HOLE WAS 8" DIA.
	JKC 05/08/02	JKC 05/10/02	

TITLE STATE OF WASHINGTON
 TRAFFIC SIGNAL STRUCTURES

VALMONT INDUSTRIES, INC. RESERVES THE RIGHT TO INSTALL VARIOUS, ENGINEER APPROVED, MATERIAL HANGING ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS.



PAGE NUMBER: 1 OF 3	REV
DRAWING NUMBER	DB00625
	M