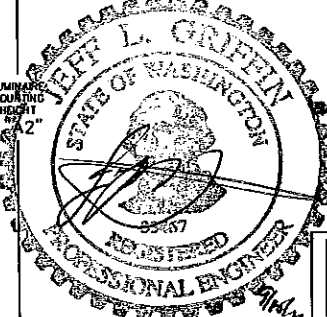


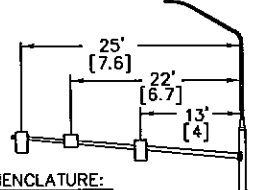
APPROVED
 Manufacturer's Pole Plan
 Approved For Listing As A
 Pre-Approved Drawing
 WSDOT Bridge & Structures Office
 By GB Date 9/25/2007



MATERIAL SPECIFICATION	
SHAFT	STEEL OF 48,000 P.S.I. MINIMUM YIELD AFTER FABRICATION ASTM A-572 GR.50 ASTM A-595 GR. A ASTM A-709 GR.50 ASTM A-1011 GR.50 THE ABOVE LISTED MATERIALS ARE USED BASED UPON AVAILABILITY AT THE TIME OF PURCHASE OF MATERIAL LOTS FOR PRODUCING POLE AND ARM SHAFTS
BASE PL., FLANGES	ASTM A-36 STEEL
PIPE	ASTM A-53 GRADE \"B\" OR ASTM A-500 GRADE \"B\"
ANCHOR BOLTS	ASTM F-1554 GR. 10S
POLE FINISH	HOT DIP GALVANIZED PER ASTM A-123
HARDWARE FINISH	HOT DIP GALVANIZED PER ASTM A-153
WELDS LONGITUDINAL	BUTT WELD BY THE ELECTRICAL RESISTANCE PROCESS
WELDS CIRCUMFERENTIAL	BUTT WELD WITH PERMANENT BACK-UP RING (CONTINUOUS)

NOTES

- WELD: ALL BUTT WELDS TO GROUND FLUSH WITH BASE METAL. WELDING OF STRUCTURES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS STRUCTURAL WELDING CODE D1.1 - STEEL
- TOLERANCES:
 TOLERANCES SHALL BE IN ACCORDANCE WITH SECTIONS 5.14.1 THROUGH 5.14.3 OF THE \"SPECIFICATION FOR STRUCTURAL SUPPORTS OF HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS\" AASHTO 2001.
- THE PERMISSIBLE VARIATION FOR STRAIGHTNESS OF THE TAPERED SECTIONS SHALL BE (.025 X SHAFT LENGTH) [6]
- EXAMPLE:
 A POLE WITH A SHAFT LENGTH OF 30' [9.1] SHALL NOT VARY MORE THAN 3/4\"
- THE MOUNTING HEIGHTS WHICH ARE LISTED ON DRAWING(S) SHALL HAVE A PERMISSIBLE TOLERANCE OF ±6\"
- ① CALCULATE CUBICS BASED UPON EXAMPLE BELOW AND COMPARE RESULTS WITH THOSE LISTED IN SIGNAL ARM DATA TABLE.
- EXAMPLE:
 8.7 SQ.FT. X 25' = 217.5 CUBICS [6.2m³]
 6.0 SQ.FT. X 22' = 132.0 CUBICS [3.7m³]
 8.7 SQ.FT. X 13' = 113.1 CUBICS [3.2m³]
 TOTAL = 462.6 CUBICS [13.1m³]



- POLE NOMENCLATURE:
- TYPE IIA-90-40-DWG.NO.
 POLE STYLE DESIGN WIND LOAD SIGNAL ARM LENGTH LUMINAIRE ARM LENGTH
- TYPE IIIA-90-40-3510J-DWG.NO.
 POLE STYLE DESIGN WIND LOAD LUMINAIRE ARM LENGTH LUMINAIRE MOUNTING HEIGHT \"A2\"
- ② IF DESIRED SIGNAL ARM LENGTH IS NOT LISTED IN TABLES, THE NEXT LONGEST SIGNAL ARM SHALL BE USED WITH THE END CUT OFF TO FORM APPROPRIATE LENGTH.
- ③ 3\"/>

REV	DATE	DESCRIPTION	BY	APPR
I	9/07	REV. DTL. \"A\" ANCHOR PL.	BB	JB
H	04/07	REV. DTL. \"A\" ANCHOR PL.	JB	GM
G	03/07	REV. PER STATES MARK-UP	JB	GM
F	02/07	REV. PER STATES MARK-UP	JB	GM
E	02/06	REV. HANDHOLE DETAIL	JB	GM
D	10/04	ADDED RING DIM. TO DTL. \"G\"	MHM	JB

AGENCY		WSDOT	
PROJECT			
DISTRIBUTOR			
CONTRACTOR			
CUSTOMER ORDER NO.			
AMERON NO.			

AMERON POLE PRODUCTS DIVISION			
STATE OF WASHINGTON			
TYPE II AND III SERIES			
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DRAWN: MHM	DATE: 6/02	SCALE: N.T.S.	DWG.NO. REV.
APPR: JB	DATE: 6/02	SHT 1 OF 2	W3724-1 1