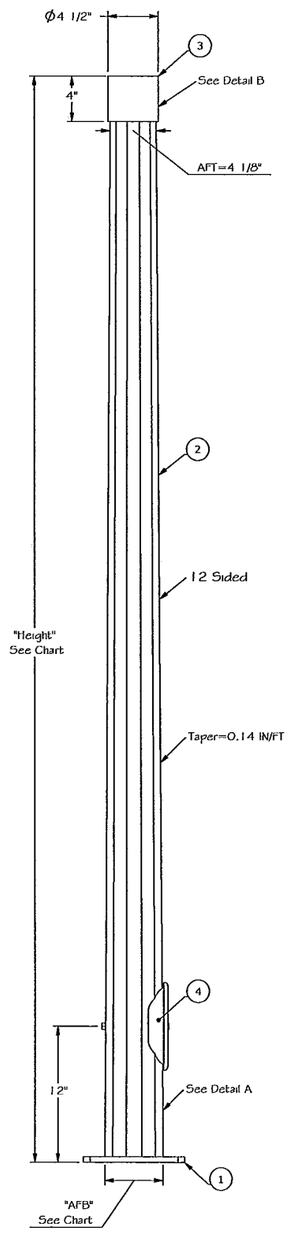
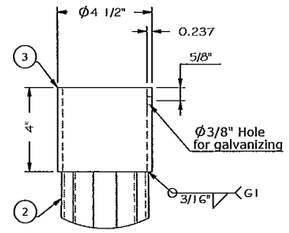
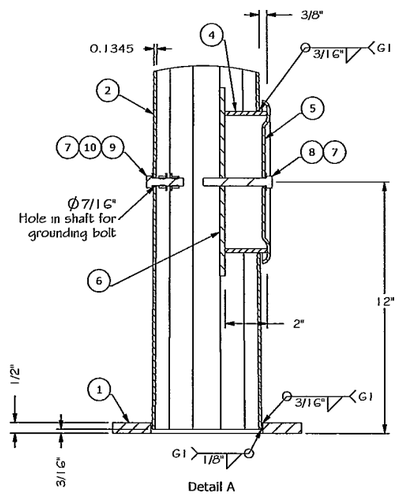
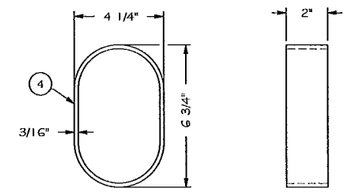




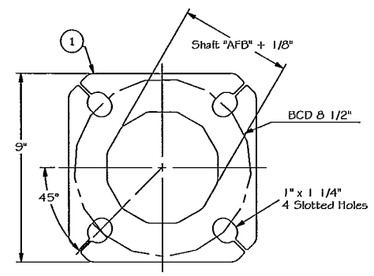
Detail B



Detail A



230-RG-F02
Hand Hole Ring Detail



Base Plate Detail

#	QTY	PART NUMBER	Description	MATERIAL
1	1	See Chart	Base Plate, 9" SQ., 1/2" Thk.	A572 GR.50
2	1	See Chart	12 Sided Shaft, 10GA Thk., AFT=4 1/8", See Chart	A1011 GR.50
3	1	240-TN-4.0-001	Tenon, 4" Sch.40 Pipe, 4 1/2" OD, Length 4	A53 GR.B
4	1	230-RG-F02	Hand Hole Ring, 4 1/4" x 6 3/4" x 2", 3/16" Thk.	ASTM A36
5	1	230-CO-F01	Hand Hole Cover, 10GA Thk.	A1011-50 or A36
6	1	230-CB-00001	Cover Bar, 1/4"x1 1/2" Flat Bar, Length 9"	ASTM A36
7	4	154-FWN-S011	3/8" Flat Washer Narrow	18-8 SS
8	1	151-HRS-0.375-23	3/8"-16 Hex Head Regular Bolt, Length 3"	18-8 SS
9	1	151-HRS-0.375-10	3/8"-16 Hex Head Regular Bolt, Length 1 1/2", Full Thread	18-8 SS
10	2	153-HRN-S005	3/8"-16 Hex Regular Nut	18-8 SS

PEDESTRIAN POLES							
Type of Pole	Pole Height	WCEG #	Pole Weight	Base Plate WCEG #	Shaft		
					WCEG #	AFB *	Length
Type PS	8 FT	9005-12-0001	65 Lbs	211-12-00003	200-12-00053	5 3/16"	7'-7 13/16"
Type I	10 FT	9005-12-0002	80 Lbs	211-12-00004	200-12-00054	5 1/2"	9'-7 13/16"

NOTES

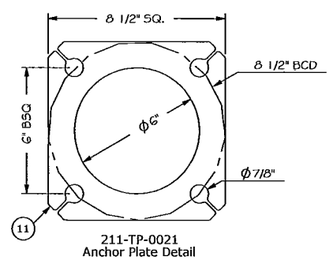
DESIGN CRITERIA:
Design: 2001 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.
Design wind speed: 90mph

WELDING:
Welding of structures shall be in accordance with the latest edition of the AWS Structural Welding Code D1.1-Steel
Longitudinal seam weld is 60% minimum penetration except for 6 inches from end of section at base plate it is 100% penetration.

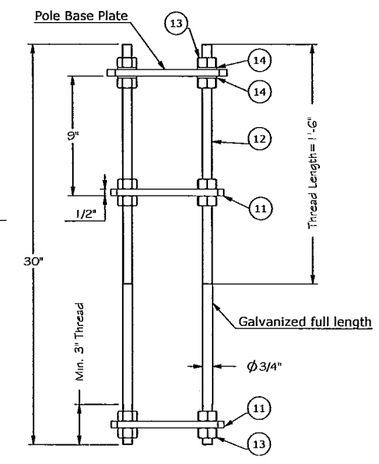
FINISH: All components to be hot dip galvanized as per ASTM A123 / A153.

All tapered tubes are 12 sided
* AFB - across the flats at the base of the shaft, AFT - across the flats at the top of the shaft
** 0.1345" Nominal thickness, 0.1265" minimum thickness.

ANCHOR BOLT CAGE DETAILS
(Supplied only if required)



211-TP-0021
Anchor Plate Detail



Bill of materials for the anchor bolt cage

#	QTY	PART NUMBER	Description	MATERIAL
11	2	211-TP-0021	Anchor Plate, 8.5" SQ., 8.5" BCD, Thk.=1/2"	A36 / A572 GR.50
12	4	160-0.75-0002	Anchor Bolt, 0.75in Dia., 30in Long	ASTM F1554 GR.105
13	24	153-HDH-G003	3/4"-10 Heavy Hex Nut	A563 Gr.DH, Galv.
14	8	154-FWN-G010	3/4" Flat Washer Narrow, Galv.	ASTM F436

Note: The anchor bolt can be replaced with a bolt (ASTM A325 Type1), situation in which only five nuts are required per bolt.

APPROVED
Manufacturer's Pole Plan
Approved For Listing As A
Pre-Approved Drawing
WSDOT Bridge & Structures Office
By GB Date 3/5/08

REV.	DESCRIPTION	DATE	BY	APPRD
1	Replaced anchor bolts with anchor bolt cage, modified handhole ring and material of shaft	01/07/2008	LB	TB

DESIGNED: LUISS BARCAN
CHECKED: JOAN GIOSAN
APPROVED: TED BROCKMAN

PROFESSIONAL ENGINEER SEAL
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA T. A. BROCKMAN
Feb. 18, 2008
DATE: 01-Apr-2004

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PROJECT: TYPE PS & TYPE I
Pedestrian Poles
STATE OF WASHINGTON

SCALE: NTS
QTY: -
JOB #: -
SHEET 1 OF 1
DWG. #: WSDOT-PP-02
REV. 1

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