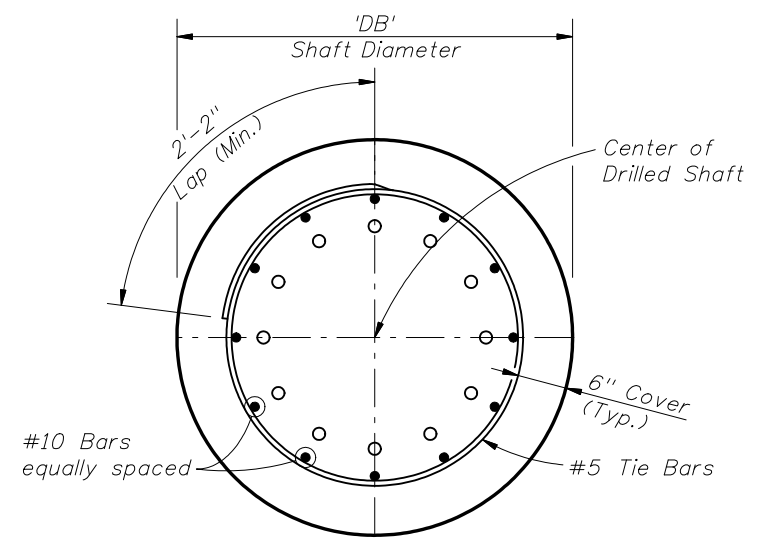
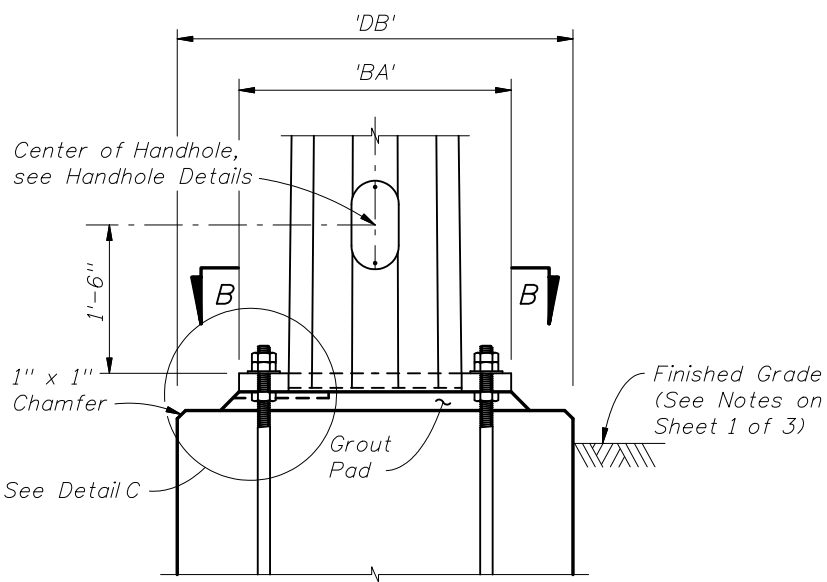
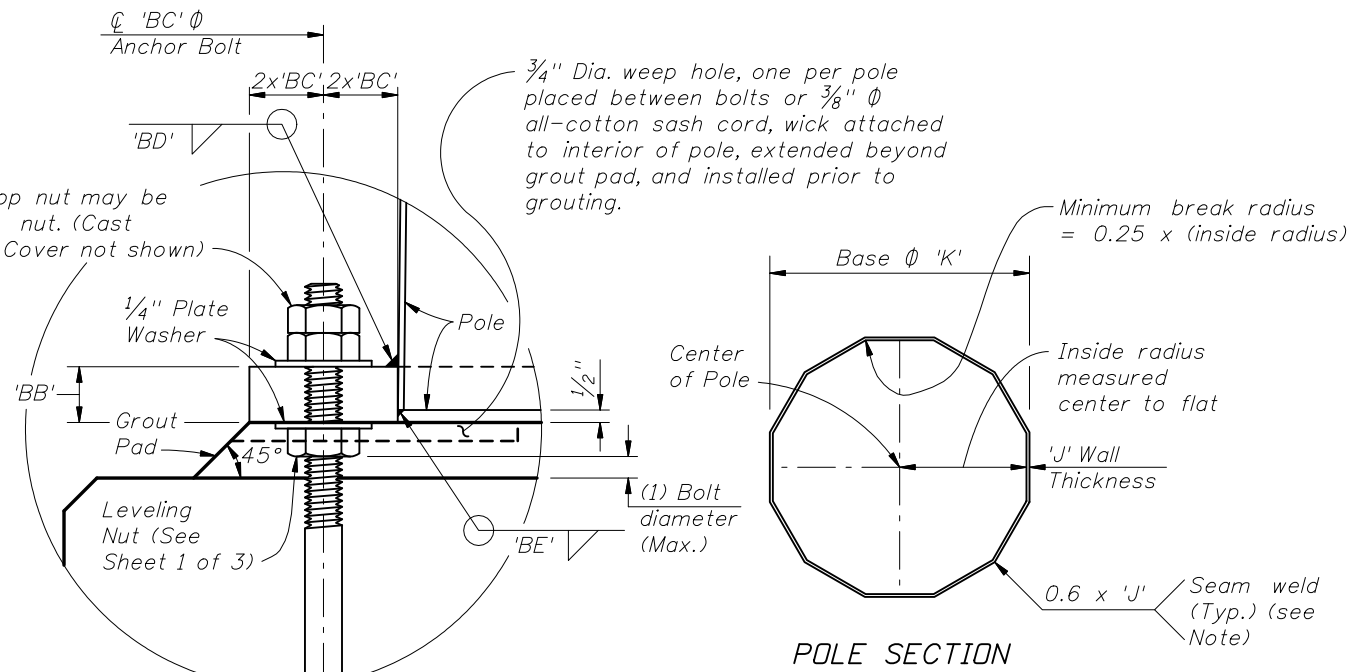


NOTE: Number of bolts shown for illustration purposes only.



(Number of bars shown is for illustration purposes only)



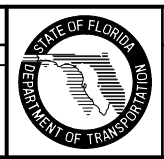
NOTE: Longitudinal seam welds within 6" of circumferential welds shall be complete penetration welds.

POLE TYPE	MAXIMUM ALLOWABLE MOMENT (kip-ft)	POLE		BASE CONNECTION							SHAFT		
		J (in.)	K (in.)	No. of Bolts	BA (in.)	BB (in.)	BC (in.)	BD (in.)	BE (in.)	BF (in.)	DA (ft)	DB (ft)	No. of #10 bars
PS-IV	95.4	0.250	14	8	25	2.25	3/8	7/16	3/16	57	15.0	3.5	12
PS-V	158.9	0.313	16	10	28	2.50	1/2	1/2	1/4	56	16.5	3.5	12
PS-VI	203.6	0.313	18	12	30	2.50	1/2	1/2	1/4	55	17.0	3.5	12
PS-VII	280.3	0.313	21	14	33	2.50	1/2	9/16	1/4	56	17.0	4.0	16
PS-VIII	338.0	0.313	23	16	35	2.50	1/2	9/16	1/4	55	18.0	4.0	16
PS-IX	400.9	0.313	25	12	39	2.75	3/4	9/16	1/4	57	17.5	4.5	20
PS-X	469.1	0.313	27	14	41	2.75	3/4	9/16	1/4	56	18.5	4.5	20

FOUNDATION NOTES:  
 The foundations for SteelStrain Poles are designed based upon the following conservative soil criteria which covers the great majority of soil types found in Florida:  
 Classification = Cohesionless (Fine Sand)  
 Friction Angle = 30 Degrees (30°)  
 Unit Weight = 50 lbs./cu. ft. (assumed saturated)  
 Only in cases where the Designer considers the soil types at the specific site location to be of lesser strength properties should an analysis be required. Auger borings, SPT borings or CPT soundings may be utilized as needed to verify the assumed soil properties, and at relatively uniform sites, a single boring or sounding may cover several foundations. Furthermore, borings in the area that were performed for other purposes may be used to confirm the assumed soil properties.

BASE AND FOUNDATION DETAILS AND TABLE OF VARIABLES

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/01/08	DYW	Changed number of bolts in VIEW B-B, number of rebar in SECTION A-A & note in DETAIL C. Changed '#9.' to '#10...' in SECTION A-A. Changed TABLE OF STRAIN POLE VARIABLES (removed 6 lines).	07/01/08	DYW	Changed foundation standoff distance and added washer for base plate.



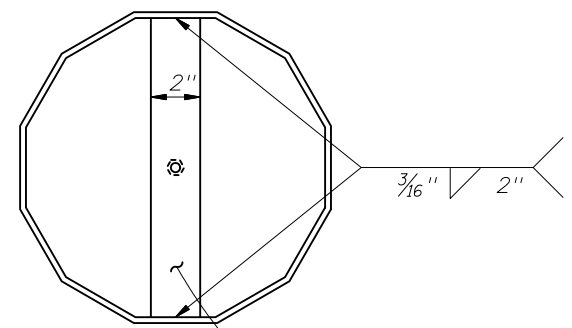
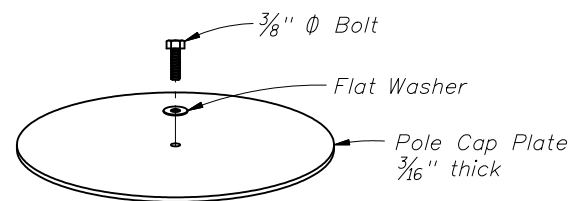
2008 Interim Design Standard

STEEL STRAIN POLE

Interim Date: 07/01/08

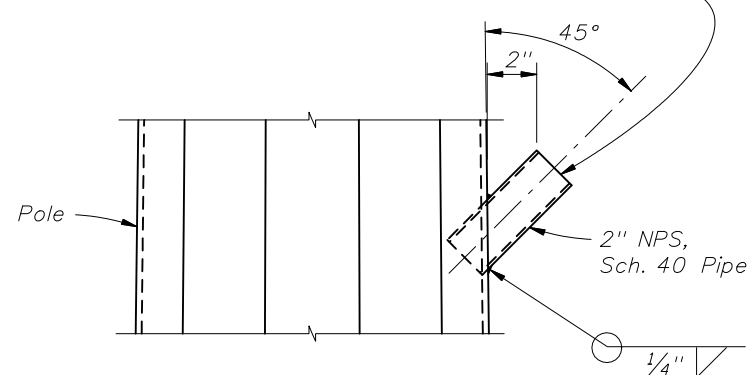
Sheet No.: 2 of 3

Index No.: 17723

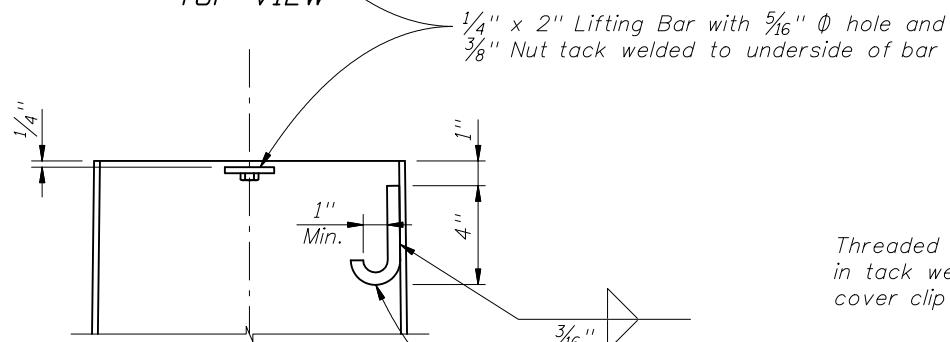


TOP VIEW

NOTE: A properly sized Service Head (Weather Head), shall be installed and fastened securely on to the standard pipe for each pole location. At locations other than service entrance, the service head face is to be left closed to outside atmosphere. Service entrance installation per Index No. 17727.



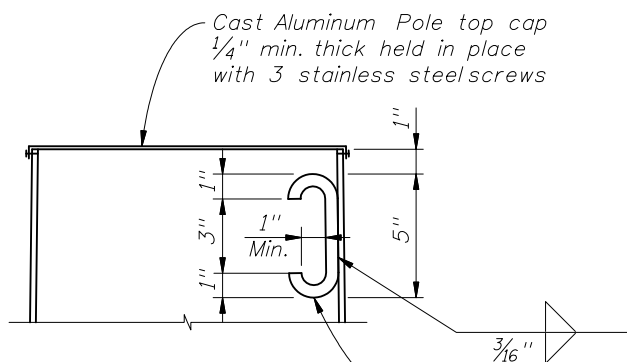
WIRE ENTRANCE DETAILS



POLE TOP CUT-AWAY (Option 'a')

1/4" x 2" Lifting Bar with 5/16"  $\phi$  hole and 3/8" Nut tack welded to underside of bar

'J' Hook for wiring, 1/2"  $\phi$  commercial grade hot rolled bar welded to inside of pole.

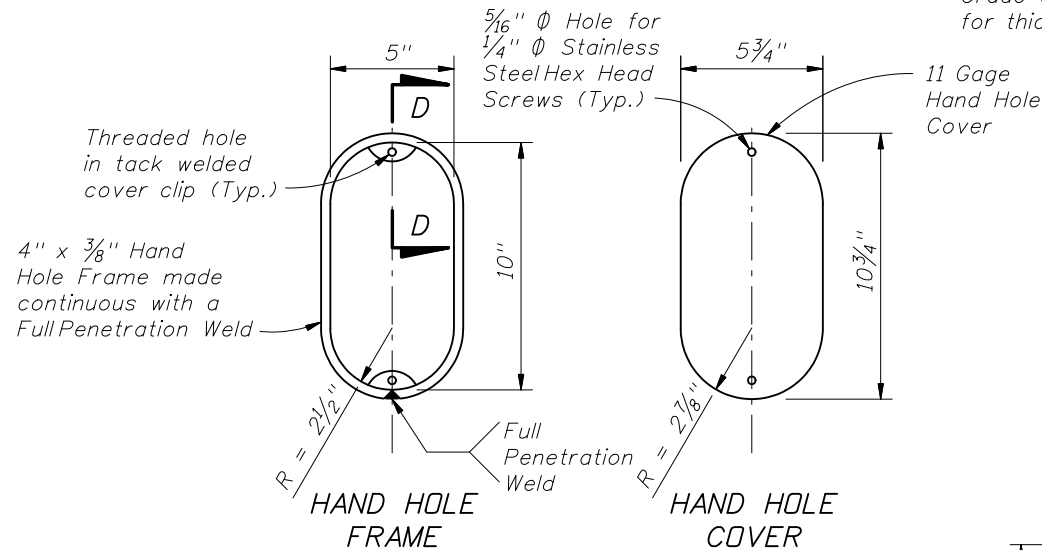


POLE TOP CUT-AWAY (Option 'b')

Cast Aluminum Pole top cap 1/4" min. thick held in place with 3 stainless steel screws

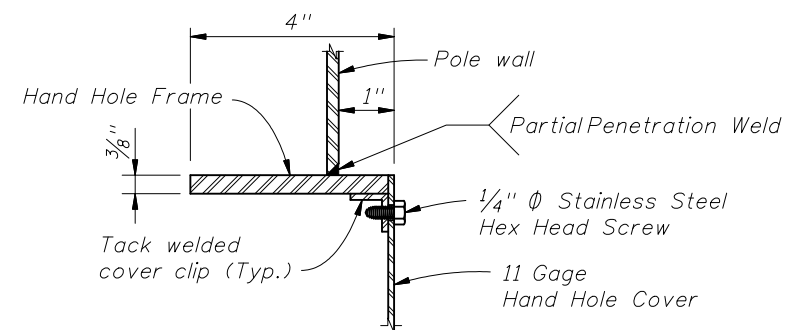
'C' Hook for wiring and lifting, 1/2"  $\phi$  commercial grade hot rolled bar welded to inside of pole.

POLE TOP NOTE:  
Any combination of the above two options may be used, provided both lifting and wiring is accommodated.

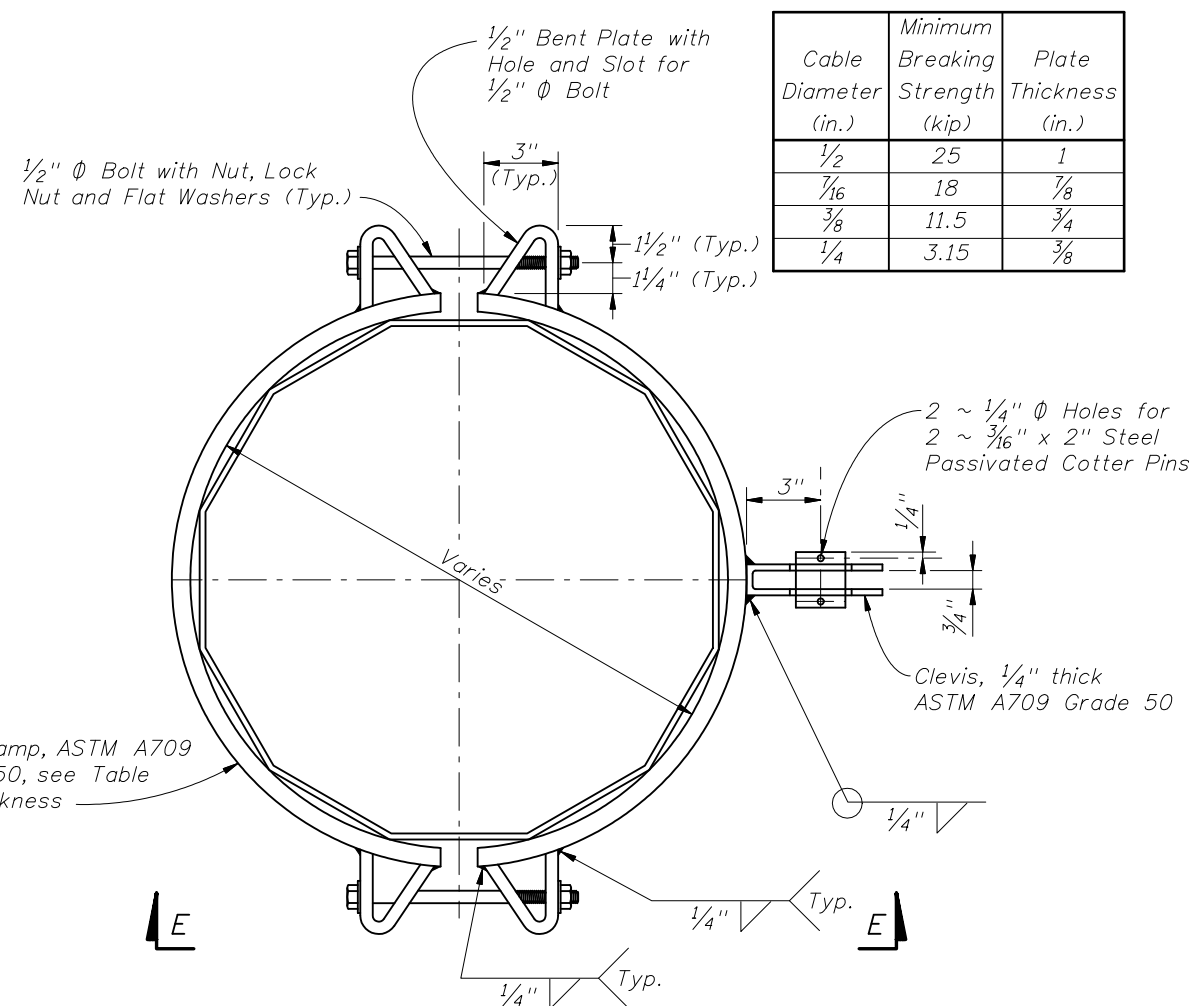


HAND HOLE FRAME

HAND HOLE COVER



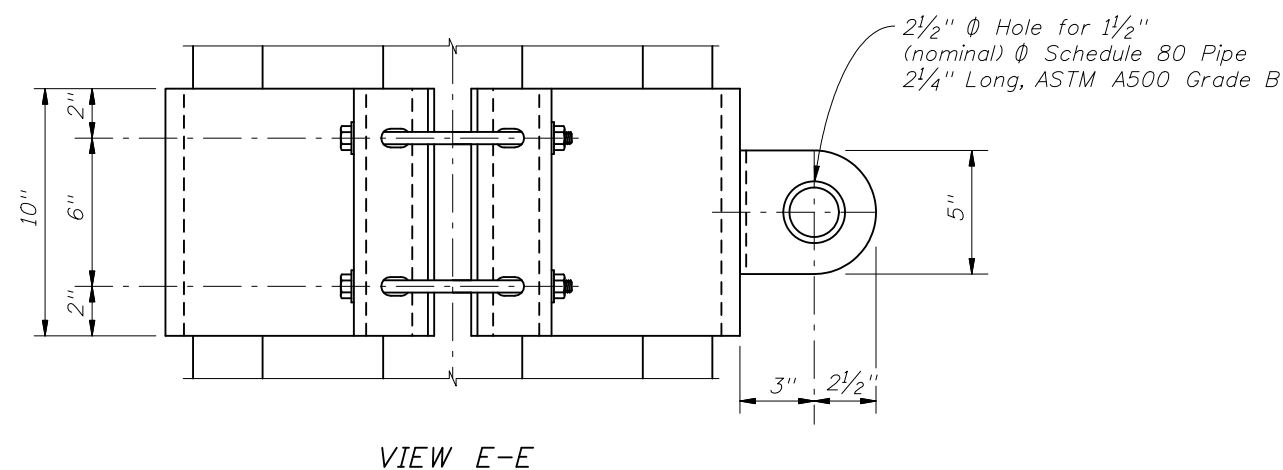
SECTION D-D (thru Hand Hole)



CATENARY AND MESSENGER WIRE CLAMPS

NOTE: Clamps have been sized for Design Cable Loads shown in the Table, and a Maximum Pole Diameter at the Clamp location of 2'-1".

Cable Diameter (in.)	Minimum Breaking Strength (kip)	Plate Thickness (in.)
1/2	25	1
7/16	18	7/8
3/8	11.5	3/4
1/4	3.15	3/8

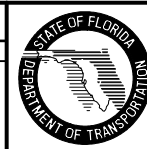


VIEW E-E

ATTACHMENT DETAILS

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/01/08	DYW	Changed note in VIEW E-E.			
07/01/08	DYW	Added Cable Clamp thickness and changed weld criteria.			



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STEEL STRAIN POLE

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