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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: June 27, 2023  
Originator: Joshua Turley  
Phone: (850) 414-4475  
Email: [joshua.turley@dot.state.fl.us](mailto:joshua.turley@dot.state.fl.us)

**Standard Plans:**

Index Number: 649-010  
Sheet Number (s): 2 of 3  
Index Title: STEEL STRAIN POLE

**Summary of the changes:**

Sheet 2: Changed Note 1 and revised Section A-A to add clarity to anchor bolt nuts.

**Commentary / Background:**

Sheet 2: These changes were to add clarity, consistency, and specificity to the anchor bolt nuts.

**Other Affected Offices / Documents: (Provide name of person contacted)**

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

**Origination Package Includes:** (Submit package to Rick Jenkins)

Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input type="checkbox"/>	Revised or Proposed Standard Plan Instruction (SPI)
<input type="checkbox"/>	<input type="checkbox"/>	Other Support Documents

**Implementation:**

<input type="checkbox"/>	Design Bulletin (Interim)
<input type="checkbox"/>	DCE Memo
<input type="checkbox"/>	Program Mgmt. Bulletin
<input checked="" type="checkbox"/>	FY-Standard Plans (Next Release)

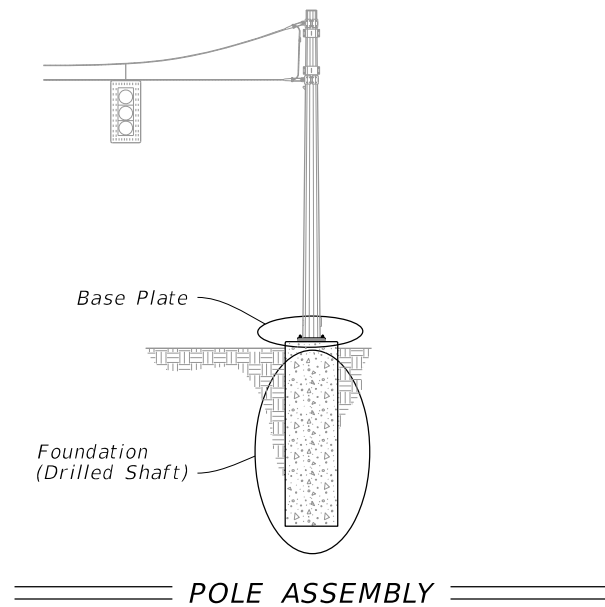
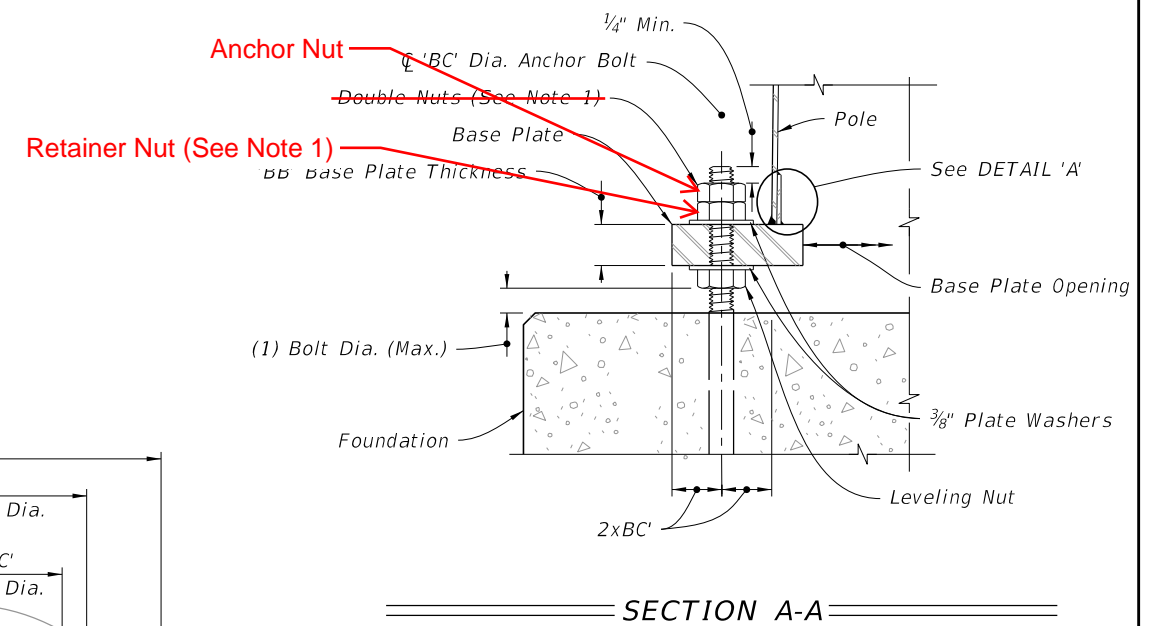
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Contact the Roadway Design Office for assistance in completing this form

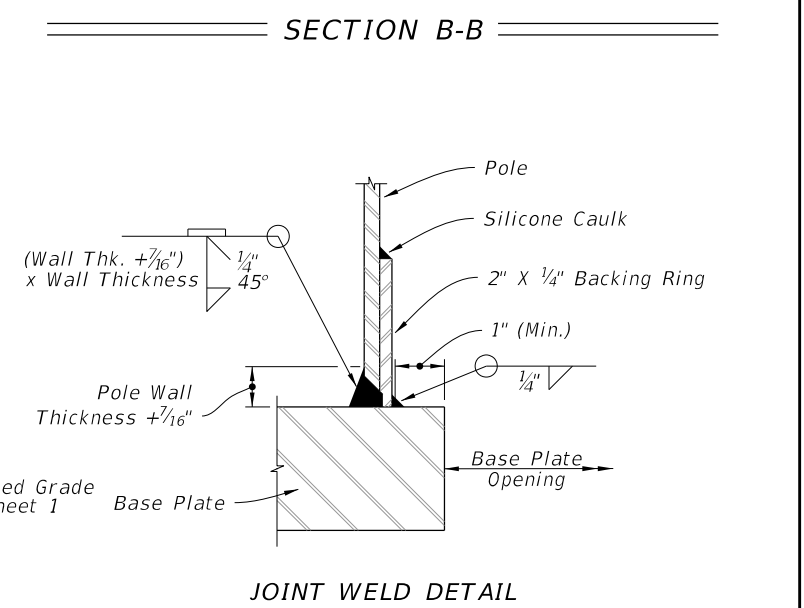
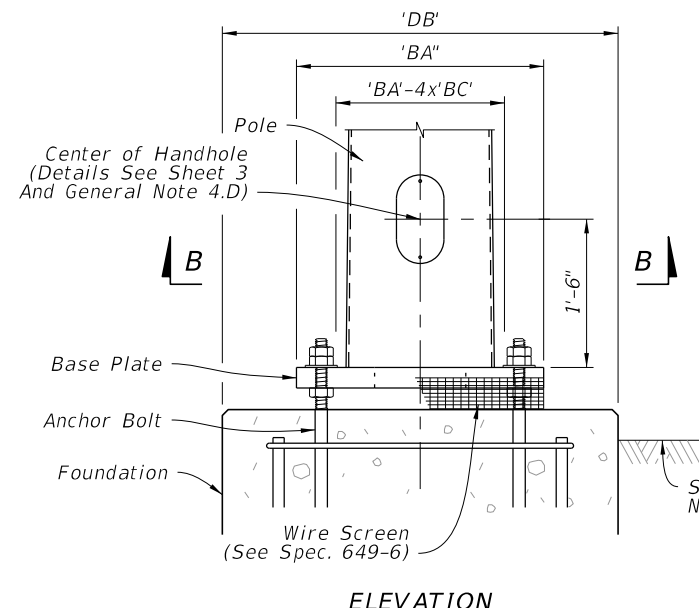
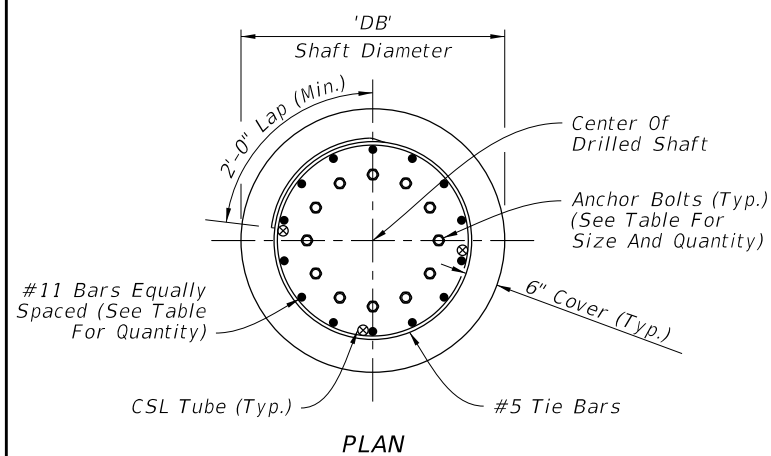
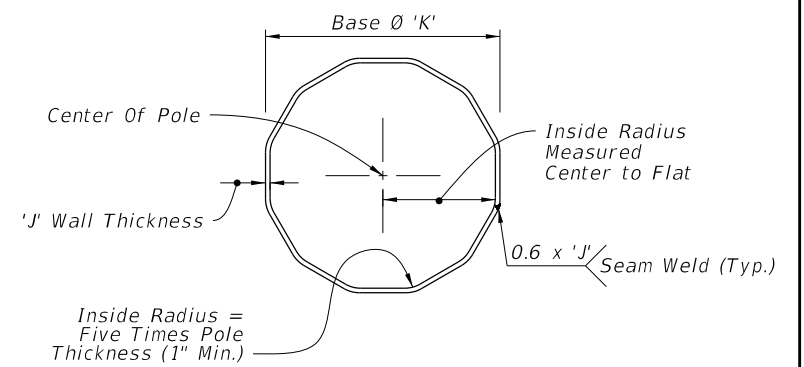
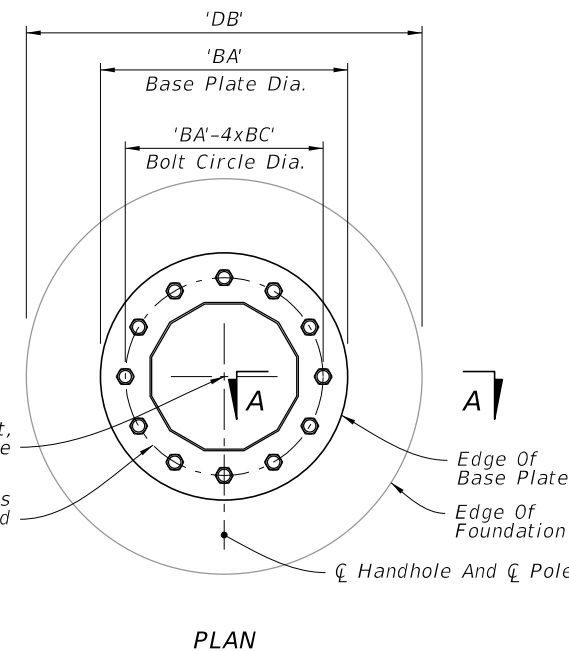
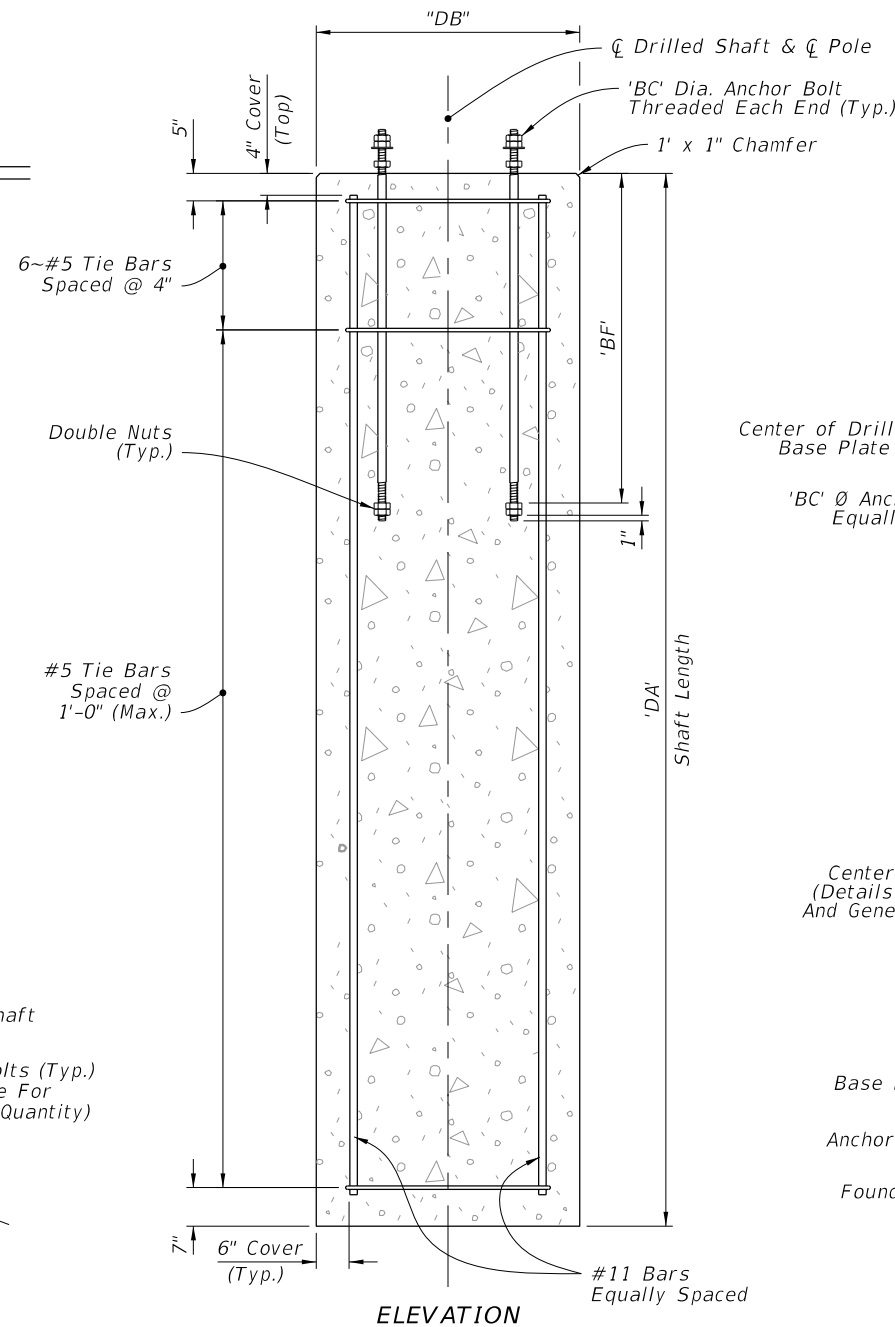
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Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)

POLE TYPE	STEEL STRAIN POLE DATA TABLE									
	POLE		BASE CONNECTION				SHAFT			
	J (in)	K (in)	No. of Bolts	BA (in)	BB (in)	BC (in)	BF (in)	DA (FT)	DB (FT)	No. of #11 Bars
PS-IV	0.250	14	8	25	2.50	1 3/8	60	14	4	14
PS-V	0.313	16	10	28	2.50	1 1/2	60	15	4	14
PS-VI	0.313	18	12	30	2.50	1 1/2	60	16	4	14
PS-VII	0.313	21	14	33	2.50	1 1/2	60	16	4.5	16
PS-VIII	0.313	23	16	35	2.50	1 1/2	60	17	4.5	16
PS-IX	0.313	25	12	39	3.00	1 3/4	60	17	5	18
PS-X	0.313	27	14	41	3.00	1 3/4	60	18	5	18



**NOTE:**  
 1. ~~Double Nuts:~~ Bottom nut may be half-height 'jam nut'. Provide individual nut covers (not shown) for each bolt.



10/6/2022 2:31:07 PM

LAST REVISION	DESCRIPTION:
<del>11/01/18</del>	11/01/23

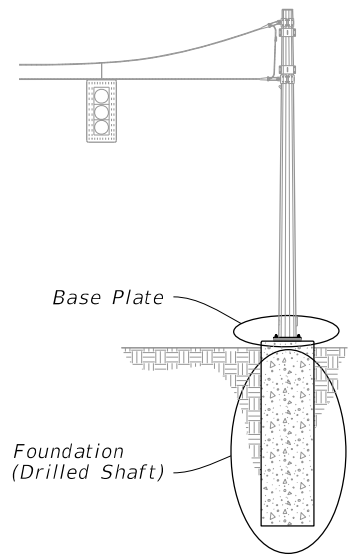
**FDOT**  
 FY 2023-24  
 STANDARD PLANS

STEEL STRAIN POLE

INDEX	SHEET
649-010	2 of 3

FOUNDATION AND BASE DETAILS

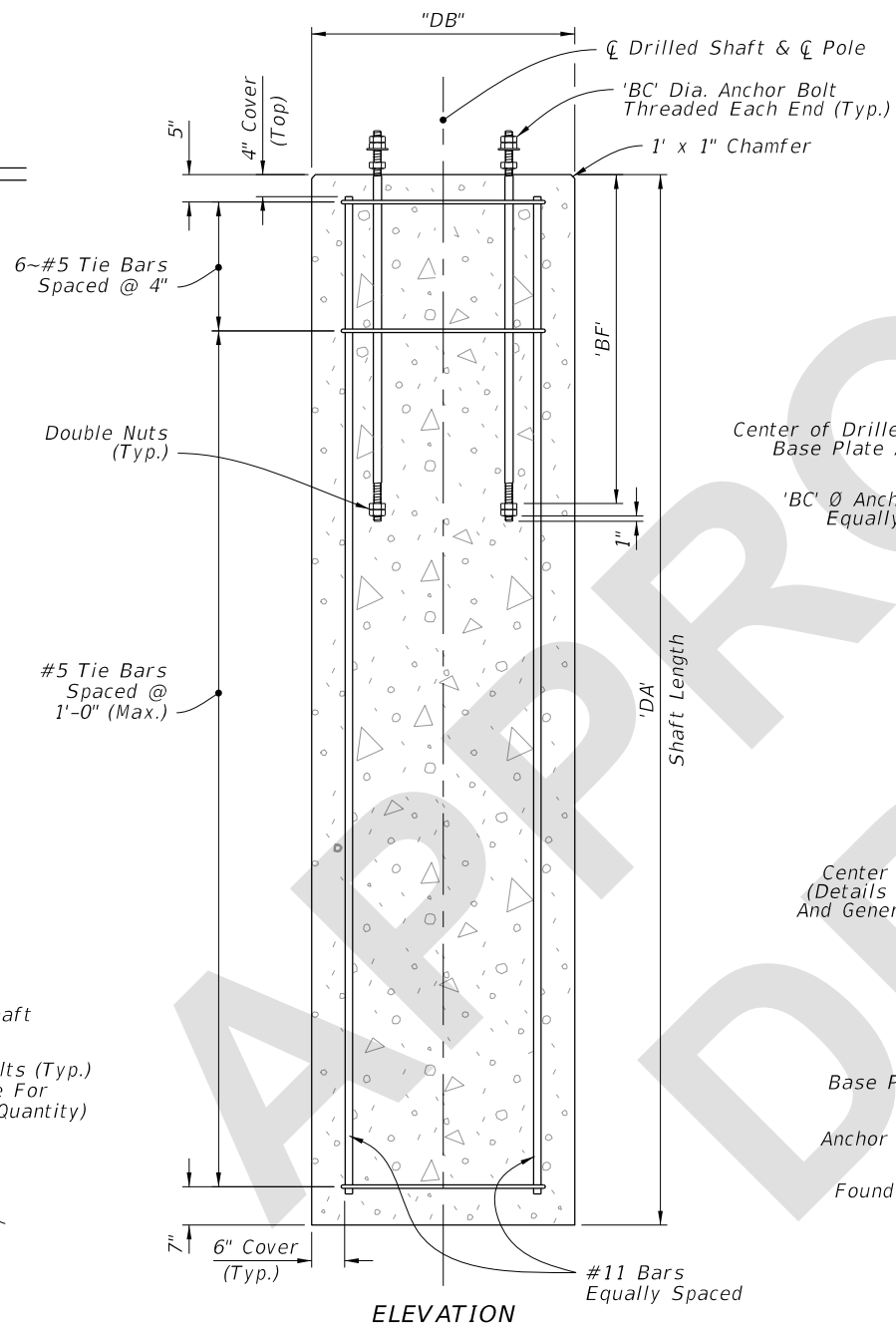
POLE TYPE	STEEL STRAIN POLE DATA TABLE									
	POLE		BASE CONNECTION				SHAFT			
	J (in)	K (in)	No. of Bolts	BA (in)	BB (in)	BC (in)	BF (in)	DA (FT)	DB (FT)	No. of #11 Bars
PS-IV	0.250	14	8	25	2.50	1 3/8	60	14	4	14
PS-V	0.313	16	10	28	2.50	1 1/2	60	15	4	14
PS-VI	0.313	18	12	30	2.50	1 1/2	60	16	4	14
PS-VII	0.313	21	14	33	2.50	1 1/2	60	16	4.5	16
PS-VIII	0.313	23	16	35	2.50	1 1/2	60	17	4.5	16
PS-IX	0.313	25	12	39	3.00	1 3/4	60	17	5	18
PS-X	0.313	27	14	41	3.00	1 3/4	60	18	5	18



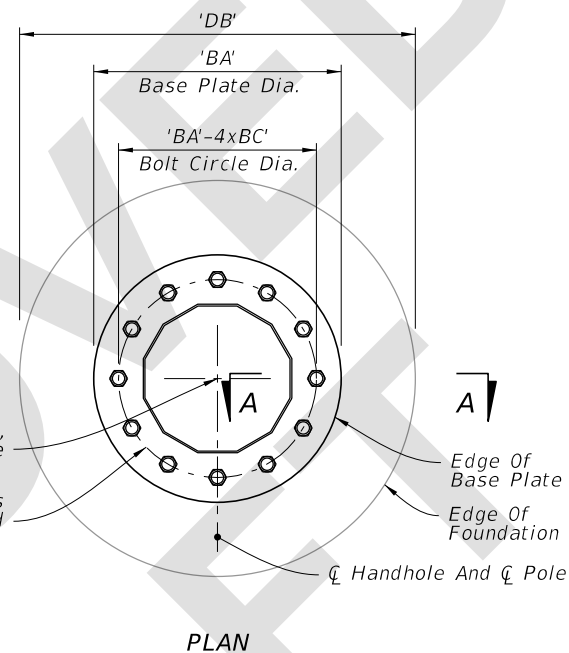
POLE ASSEMBLY

NOTE:

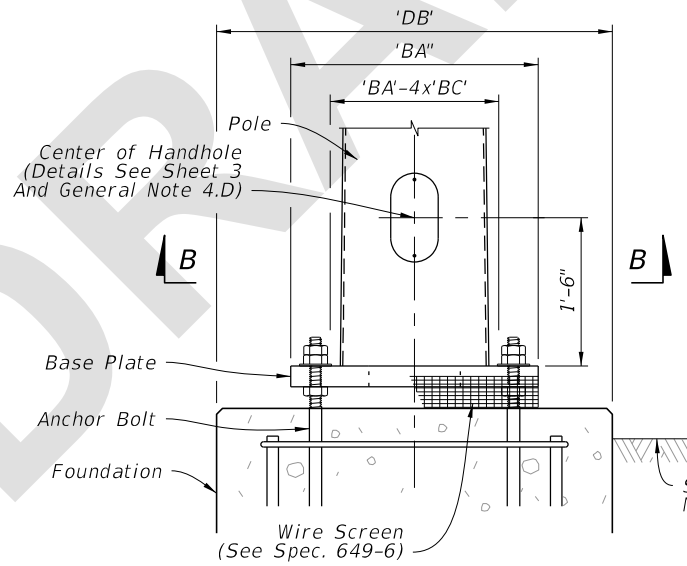
1. Retainer nut may be half-height. Provide individual nut covers (not shown) for each bolt.



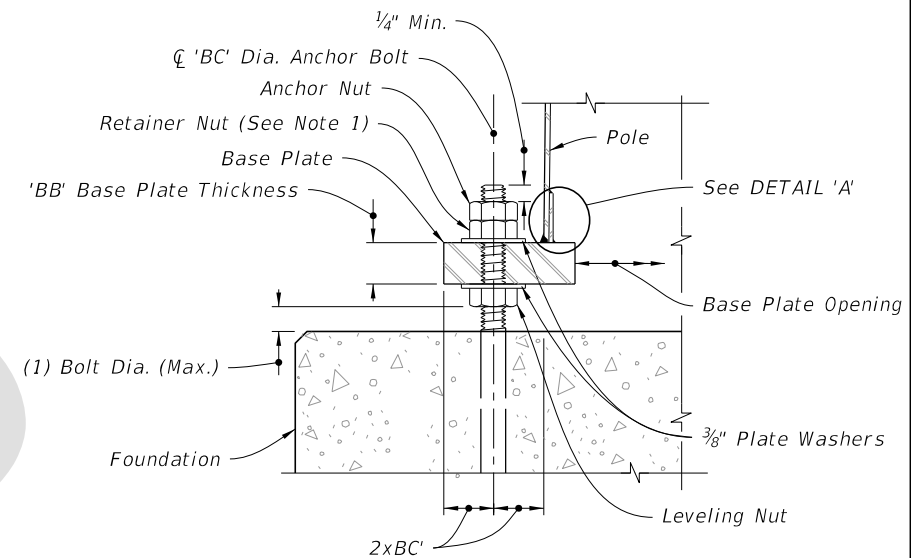
ELEVATION



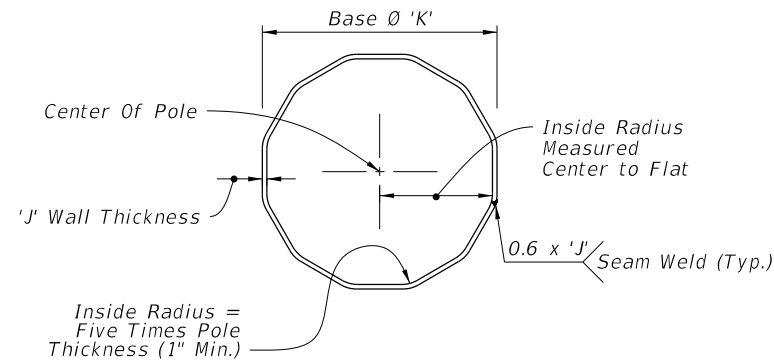
PLAN



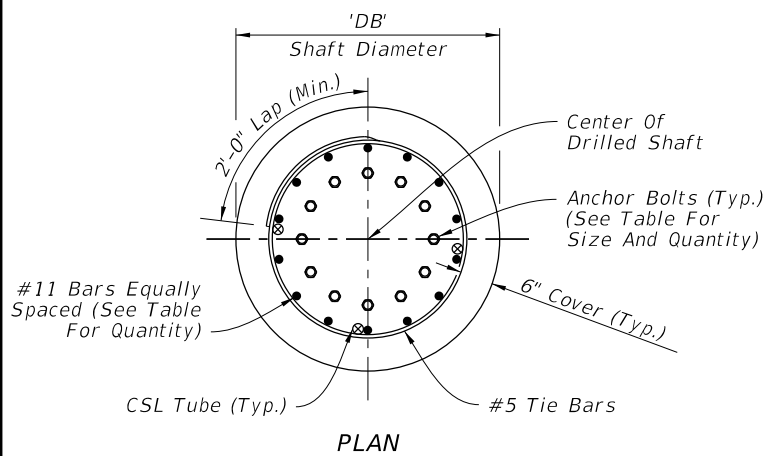
ELEVATION



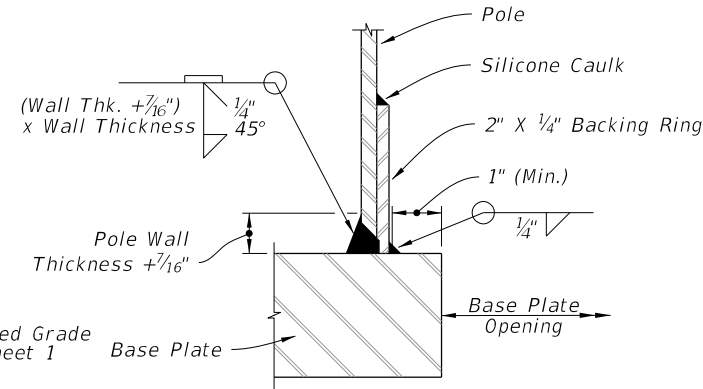
SECTION A-A



SECTION B-B



PLAN



JOINT WELD DETAIL

FOUNDATION

BASE PLATE

DETAIL 'A'

FOUNDATION AND BASE DETAILS

6/27/2023 3:00:45 PM

LAST REVISION	DESCRIPTION:
11/01/23	



FY 2024-25  
STANDARD PLANS

STEEL STRAIN POLE

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649-010

SHEET  
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