
ORINATION FORM

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

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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)

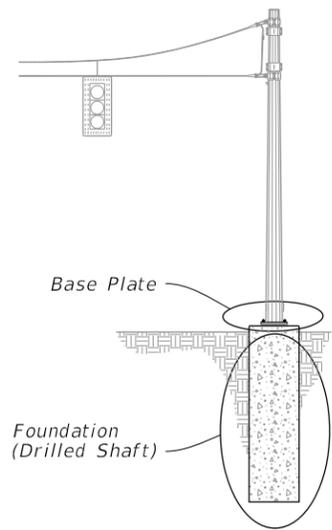
- | Yes | N/A | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups |
| <input type="checkbox"/> | <input type="checkbox"/> | Revised or Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>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

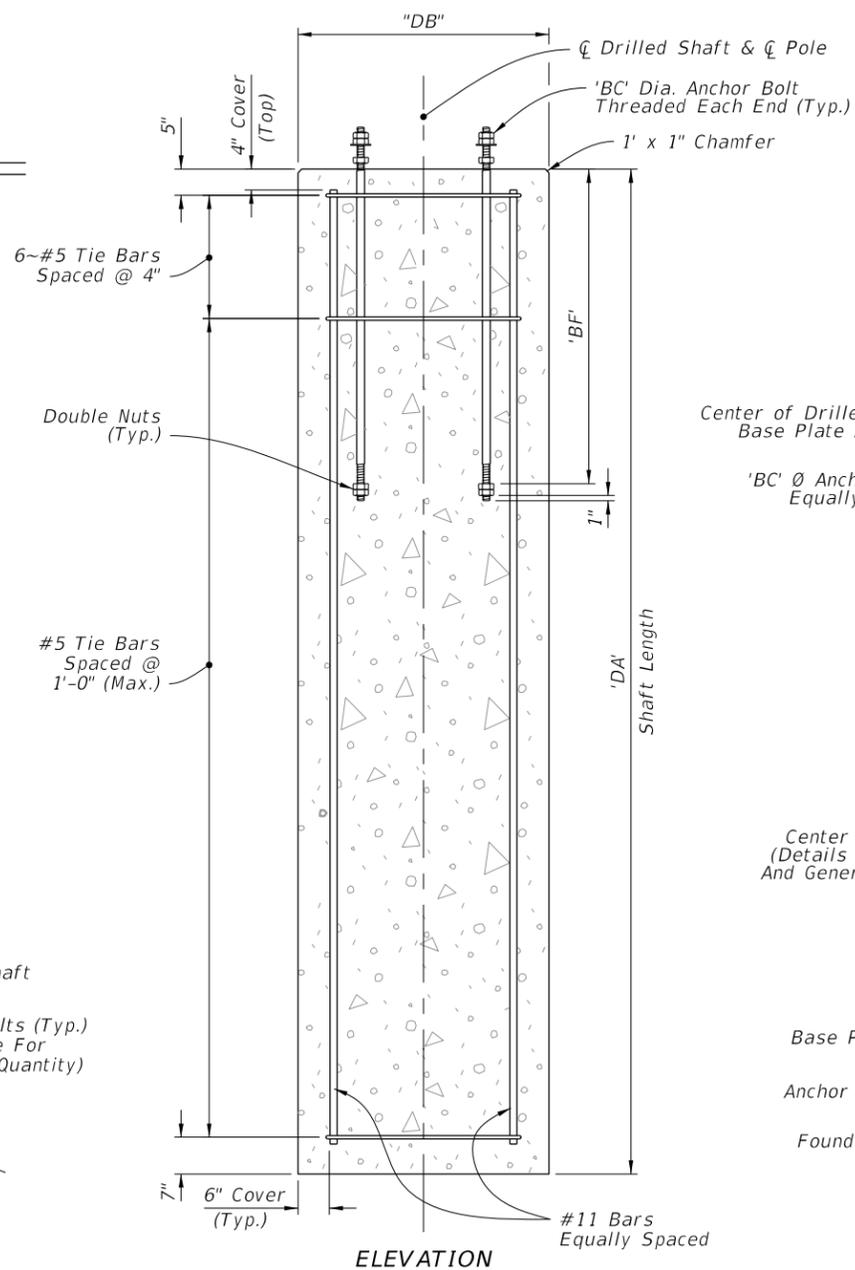
Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us



POLE ASSEMBLY

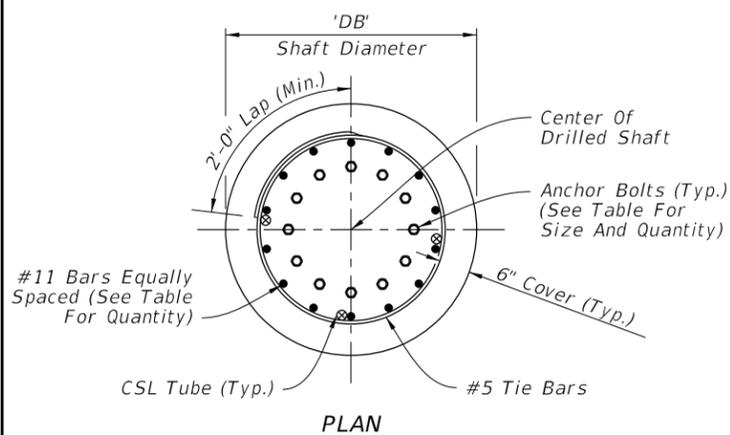
POLE TYPE	POLE		BASE CONNECTION				SHAFT			
	J (in)	K (in)	No. of Bolts	BA (in)	BB (in)	BC (in)	BF (in)	DA (FT)	DB (FT)	No. of #11 Bars
PS-IV	0.250	14	8	25	2.50	1 3/8	60	14	4	14
PS-V	0.313	16	10	28	2.50	1 1/2	60	15	4	14
PS-VI	0.313	18	12	30	2.50	1 1/2	60	16	4	14
PS-VII	0.313	21	14	33	2.50	1 1/2	60	16	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



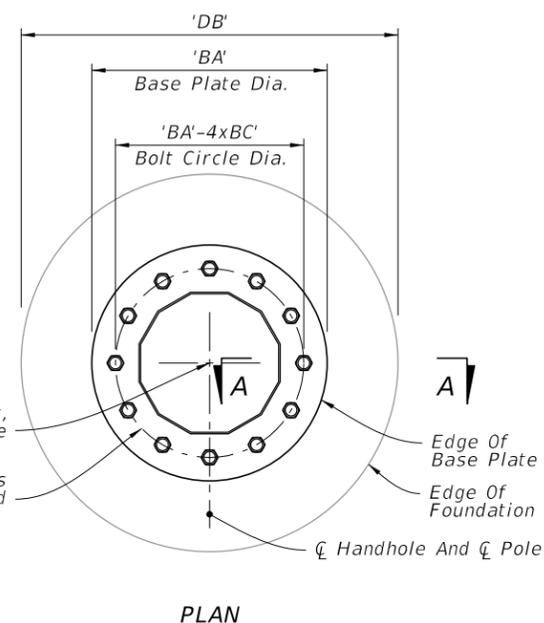
ELEVATION

FOUNDATION

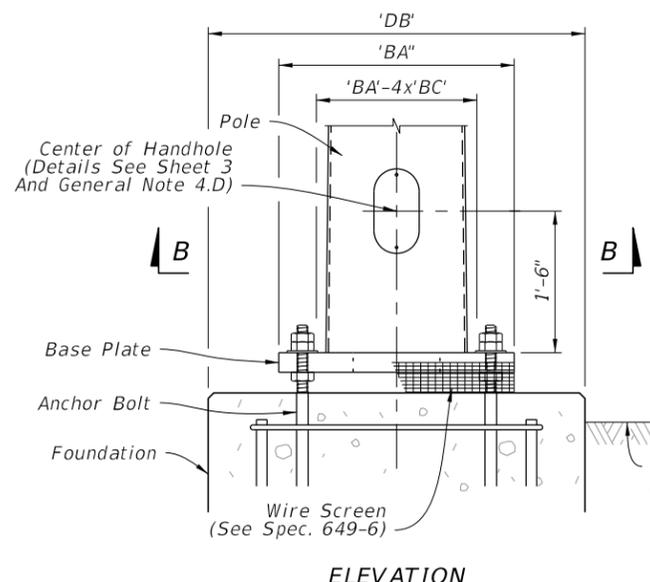
NOTE:
 1. ~~Double Nuts:~~ Bottom nut may be half-height ~~jam nut~~. Provide individual nut covers (not shown) for each bolt.



PLAN

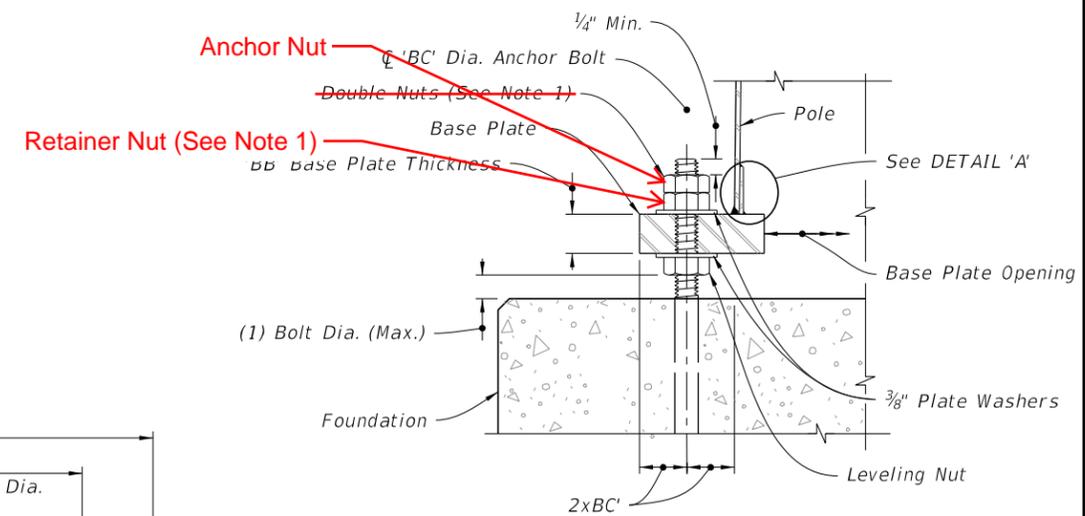


PLAN

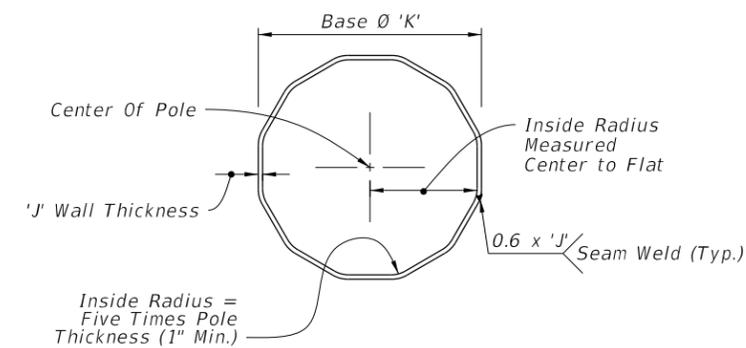


ELEVATION

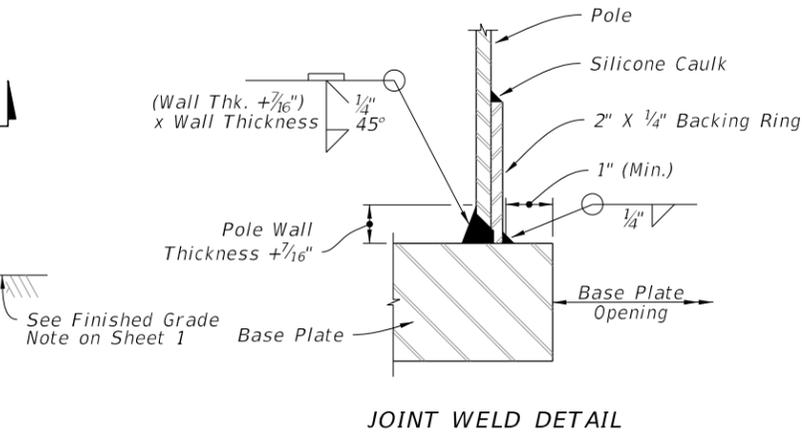
BASE PLATE



SECTION A-A



SECTION B-B



JOINT WELD DETAIL

DETAIL 'A'

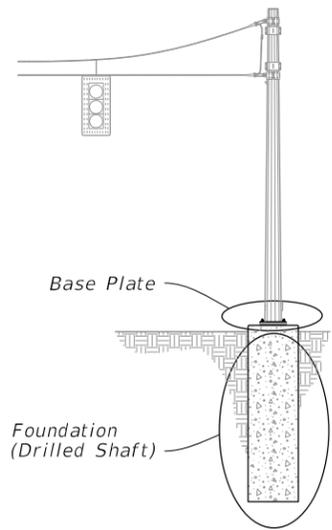
FOUNDATION AND BASE DETAILS

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LAST REVISION	DESCRIPTION:
11/01/18	11/01/23



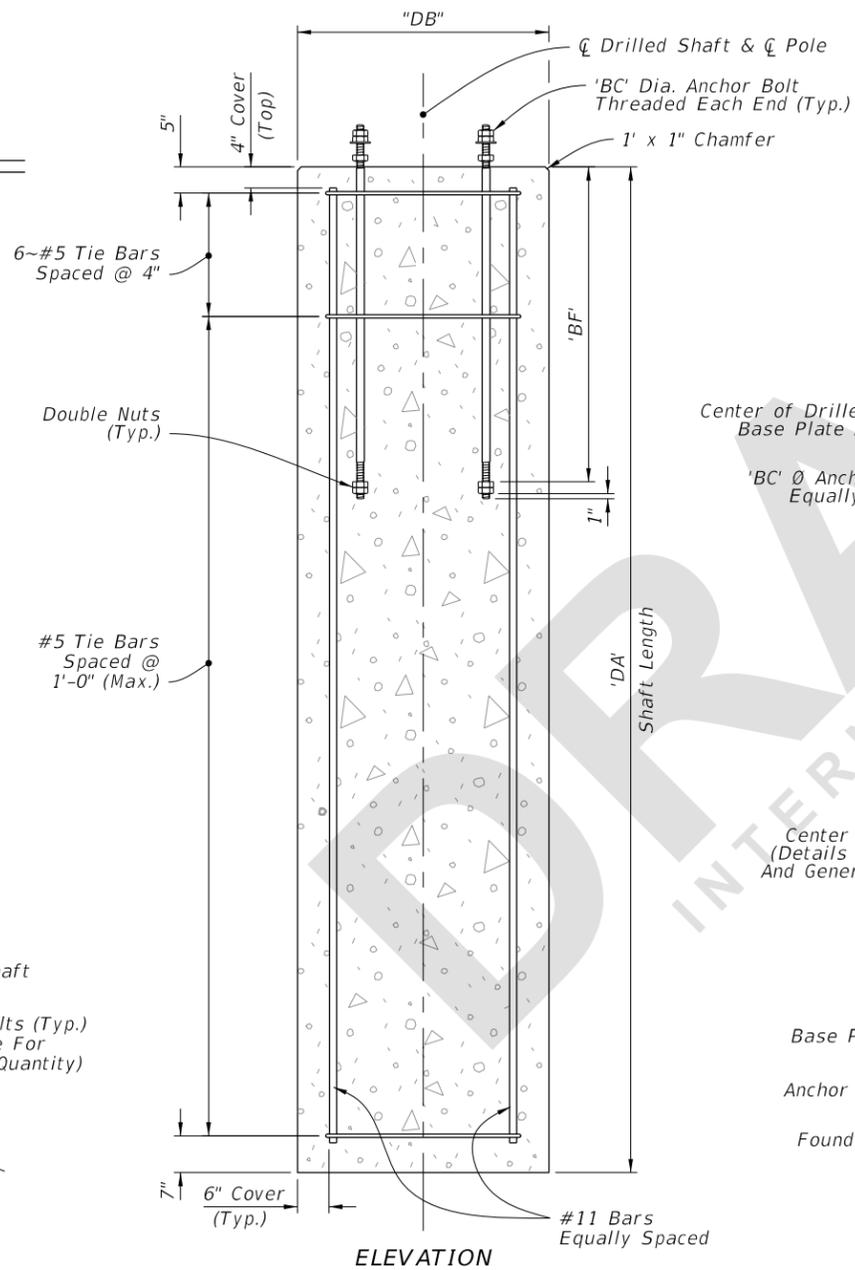
POLE TYPE	STEEL STRAIN POLE DATA TABLE									
	POLE		BASE CONNECTION				SHAFT			
	J (in)	K (in)	No. of Bolts	BA (in)	BB (in)	BC (in)	BF (in)	DA (FT)	DB (FT)	No. of #11 Bars
PS-IV	0.250	14	8	25	2.50	1 3/8	60	14	4	14
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PS-VII	0.313	21	14	33	2.50	1 1/2	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



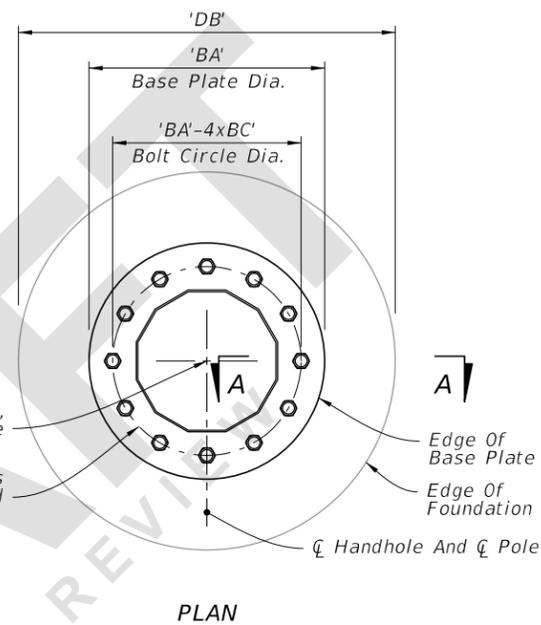
POLE ASSEMBLY

NOTE:

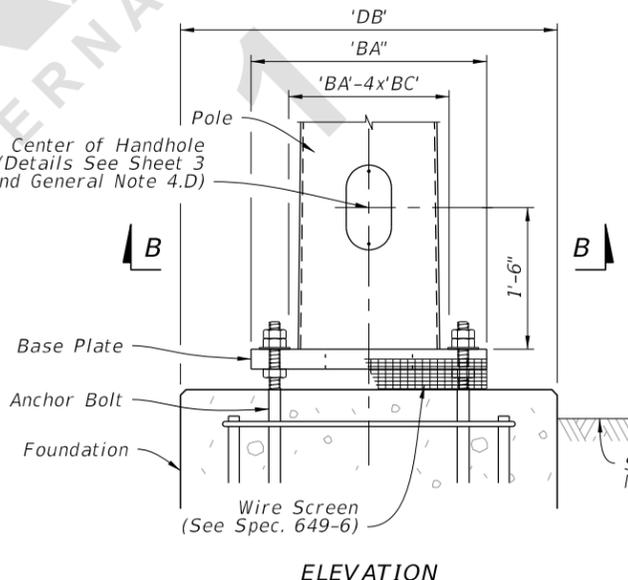
1. Retainer nut may be half-height. Provide individual nut covers (not shown) for each bolt.



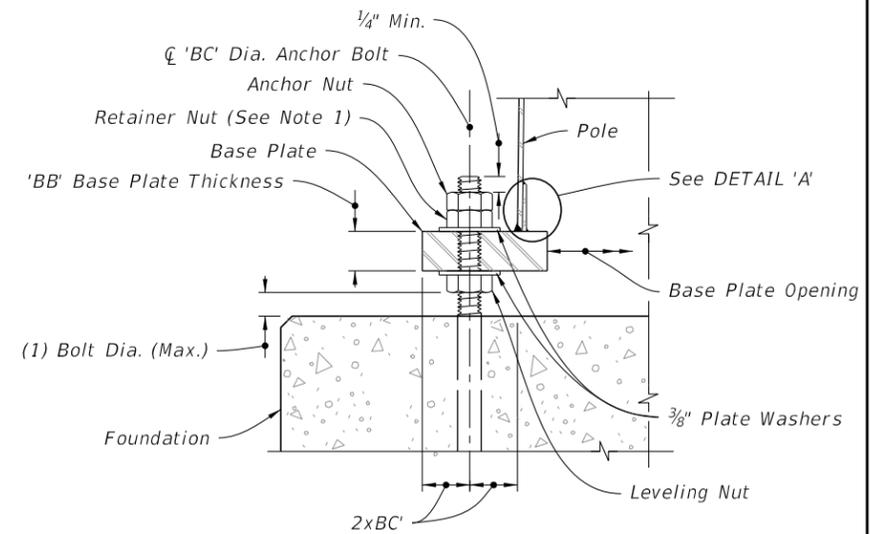
ELEVATION



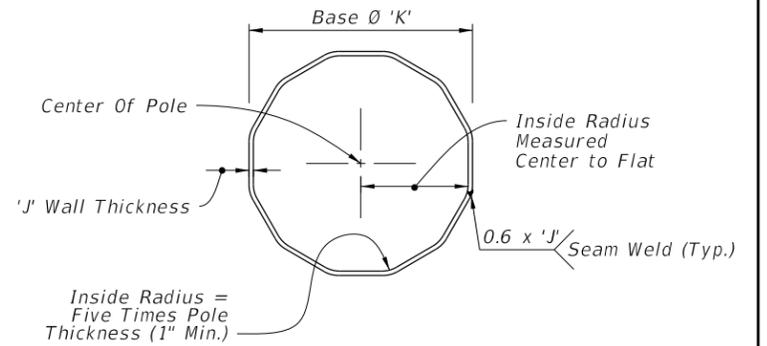
PLAN



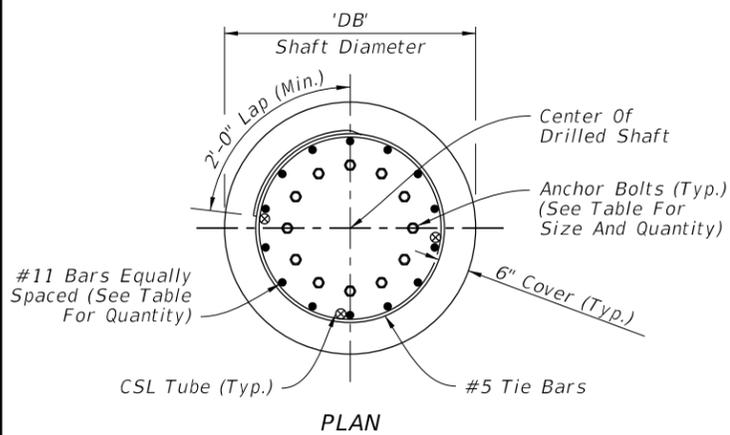
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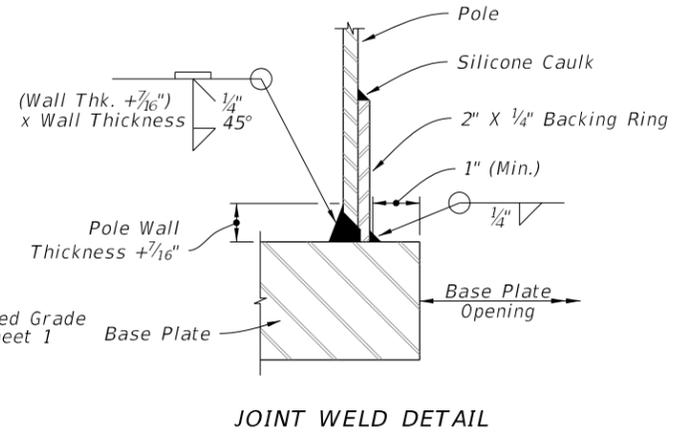
SECTION A-A



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

INDEX
649-010

SHEET
2 of 3