
ORIGINATION FORM

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

Contact Information:

Date: July 10, 2020

Originator: Malcolm Tomatani

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Standard Plans:

Index Number: 634-001

Sheet Number (s): 1 of 1

Index Title: Signal Cable and Span Wire Installation Details

Summary of the changes:

Sheet 1: Changed the "Louvered Backplates" to "Backplates (See Note 10)" call out in the SIGNAL ATTACHMENT detail; Added Note 10.

The following subarticle will be added in the January 2021 SSRBC:

"650-2.2.7.1 Flexible Backplates: Flexible backplates must allow the entire length of longer portions of the backplate to flex 90 degrees, or until the backplate width is reduced to 2.5 inches or less, when influenced by high wind conditions, and return to zero degrees after the wind conditions subside. Flexible backplates must maintain visibility of the retroreflective border to approaching traffic, with up to 40 mph winds."

Standard Index 634-001 will be modified from "Louvered Backplates" to just "Backplates" to accommodate both louvered backplates and flexible backplates. A note will be added to Standard Index 634-001, "Use only backplates listed on the APL. For specific details and requirements, see the vendor drawings on the APL."

Commentary / Background:**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 checked="" type="checkbox"/> | <input type="checkbox"/> | Standard Specifications – Daniel Strickland |
| <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:

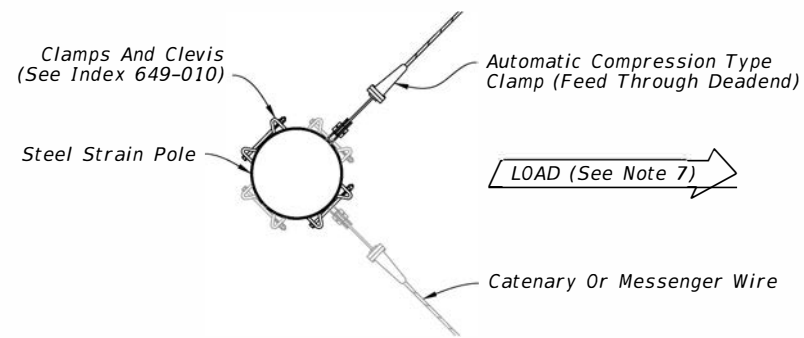
(Email or hand deliver package to Rick Jenkins)

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

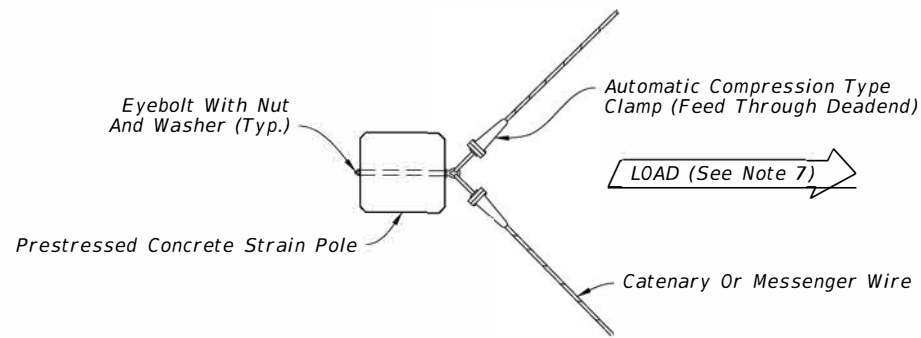
Implementation:

- | | |
|-------------------------------------|----------------------------------|
| <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) |

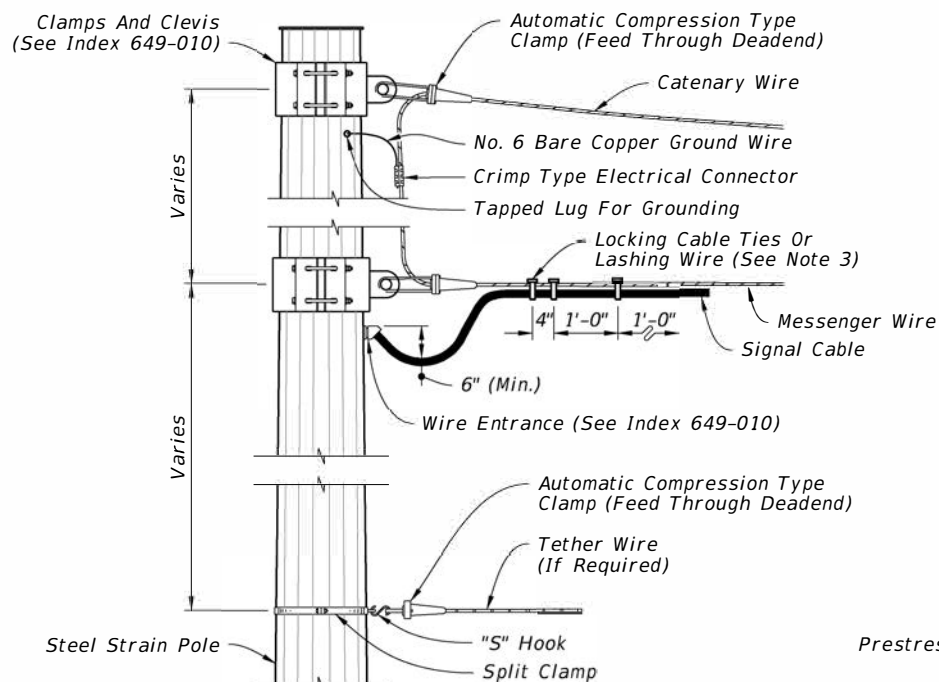
Contact the Roadway Design Office for assistance in completing this form



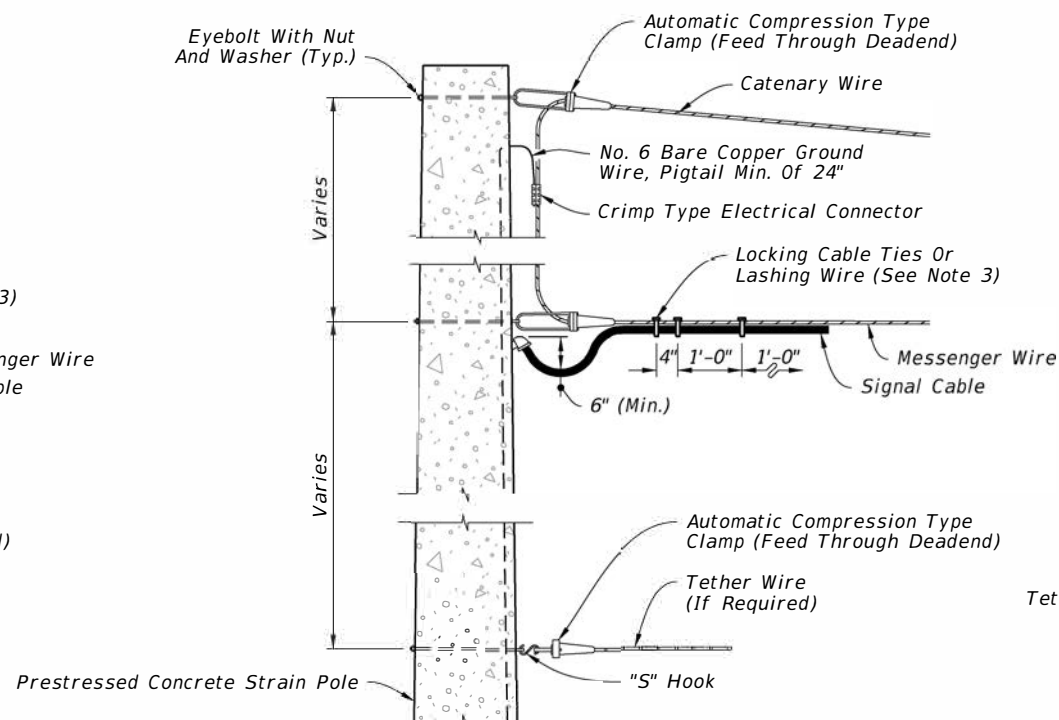
PLAN
(Two Span Connections Shown)



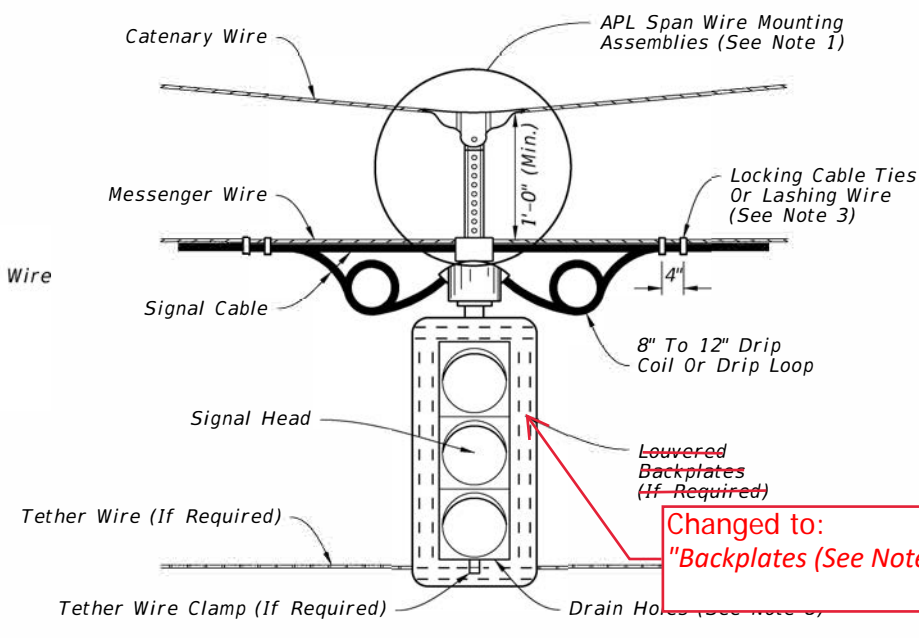
PLAN
(Two Span Connections Shown)



ELEVATION

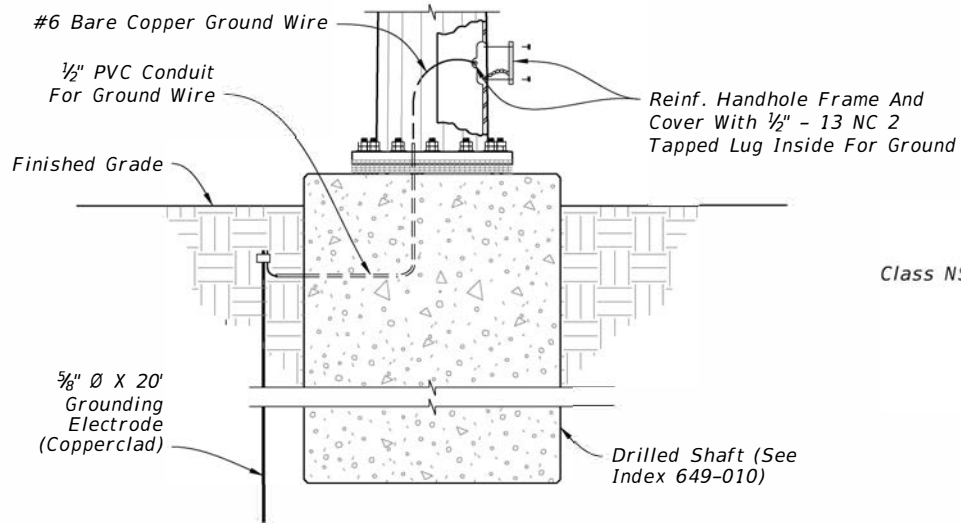


ELEVATION

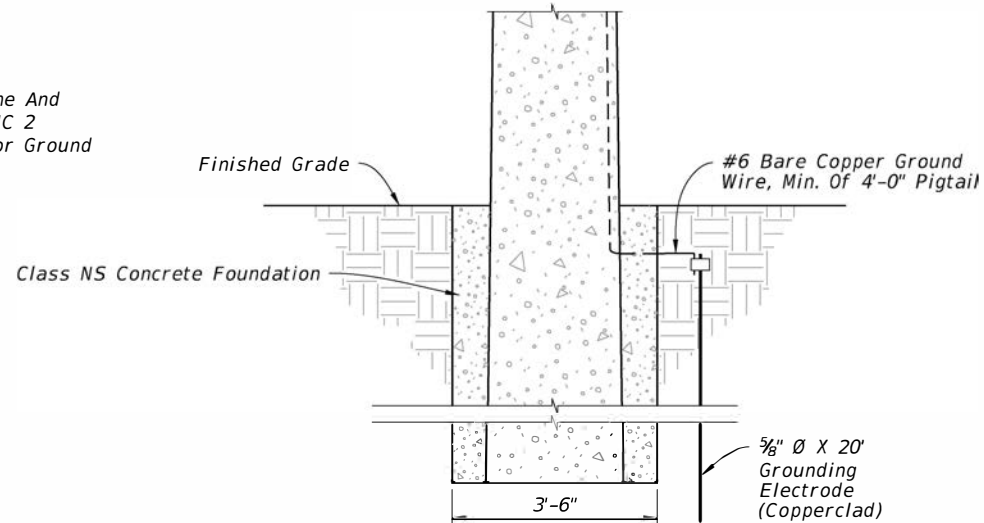


ELEVATION

SIGNAL ATTACHMENT



STEEL STRAIN POLE



PRESTRESSED CONCRETE STRAIN POLE

NOTES:

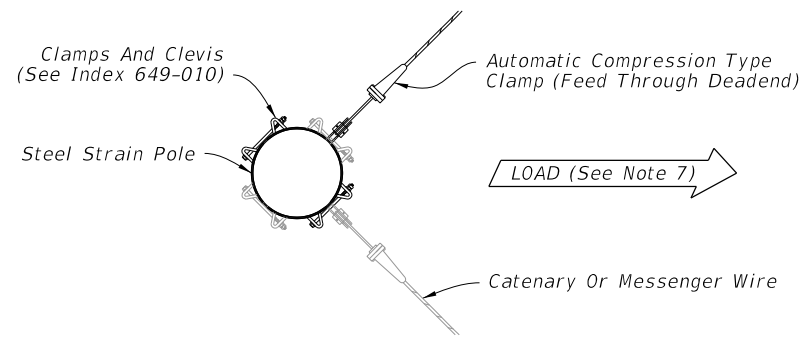
1. Use only span wire mounting assemblies listed on the APL. For specific details and requirements, see the vendor drawings on the APL.
2. With the approval of the resident engineer, the service head hole for joint use poles may be drilled by the utility company at an angle of 90° but not less than 45° to the face of the pole.
3. Lashing wire should normally be used for distances of 12' or greater.
4. Use only stainless steel hardware on all signal attachments.
5. Hole for eyebolt will require field reaming for 1" & 1 1/4" eyebolts.
6. Meet all grounding requirements of Specification 620.
7. The load face of pole is to be perpendicular to the resultant load.
8. Field Drill 2-1/4" drain holes in the bottom of the installed signals.
9. Method of framing corner Strain Poles angles 10° to 120°.

10. Use only backplates listed on the APL. For specific details and requirements, see the vendor drawings on the APL.

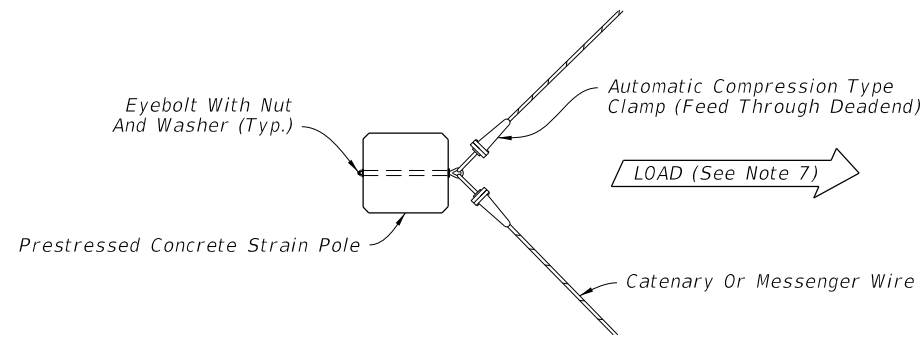
Added Note 10

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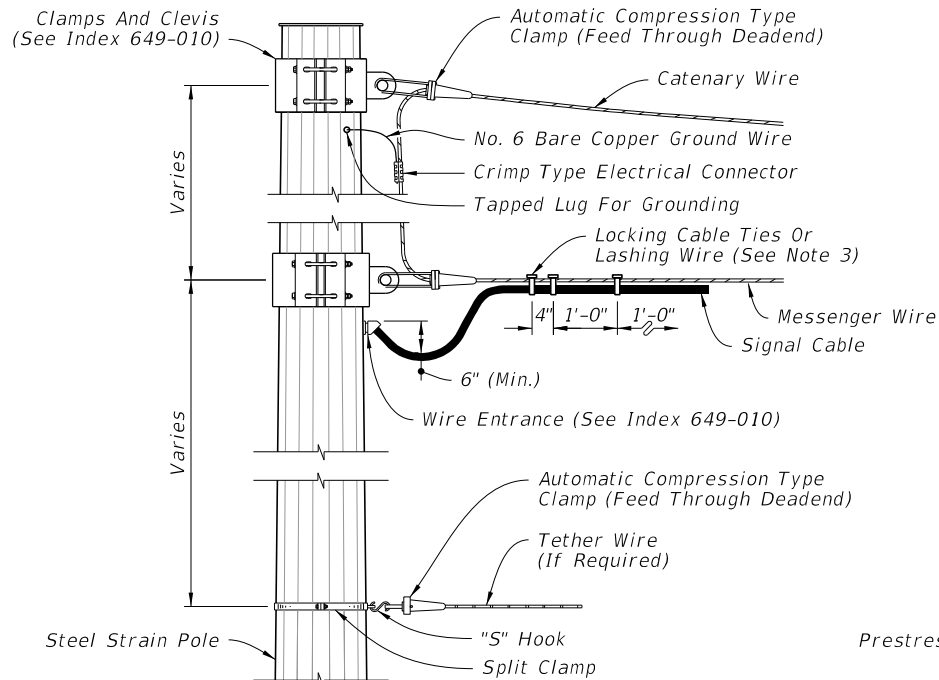
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|---------------|--------------|
| LAST REVISION | DESCRIPTION: |
| 11/01/17 | 11/01/20 |



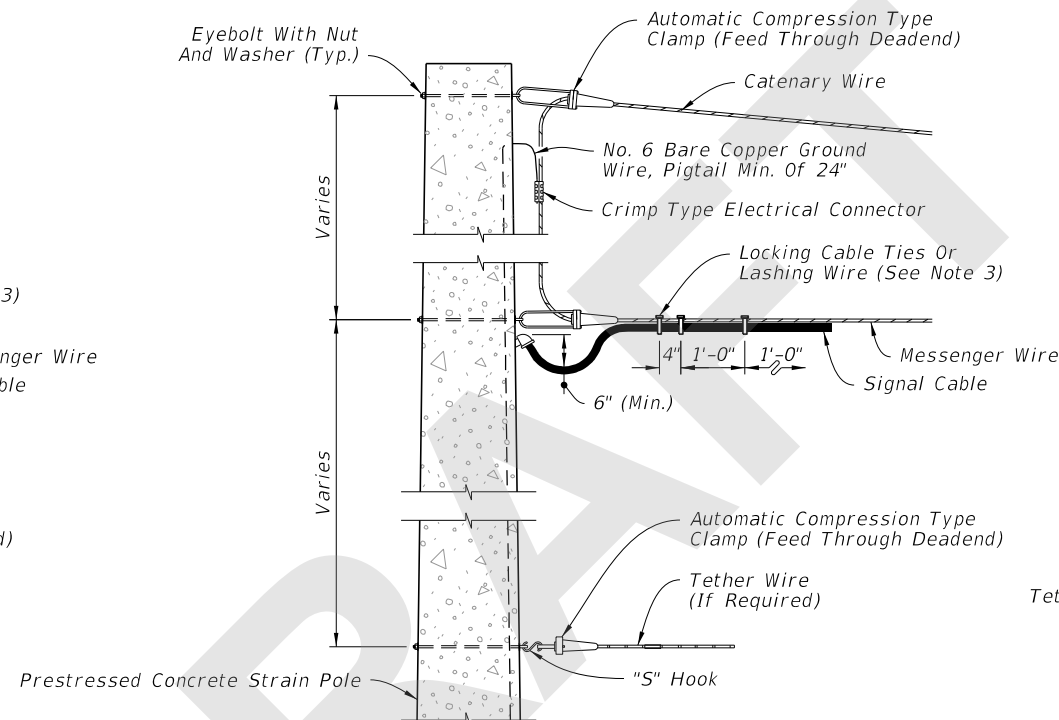
PLAN
(Two Span Connections Shown)



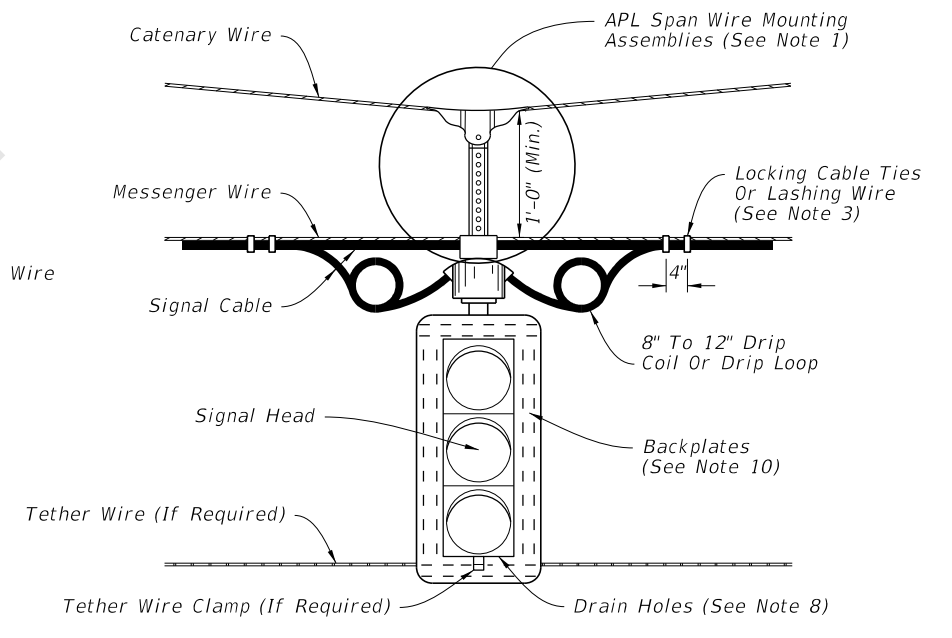
PLAN
(Two Span Connections Shown)



ELEVATION



ELEVATION

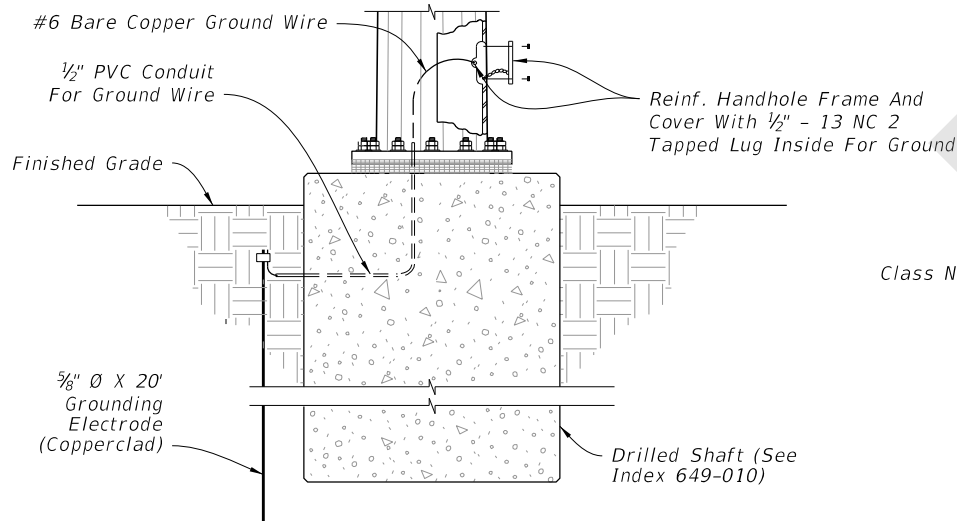


ELEVATION

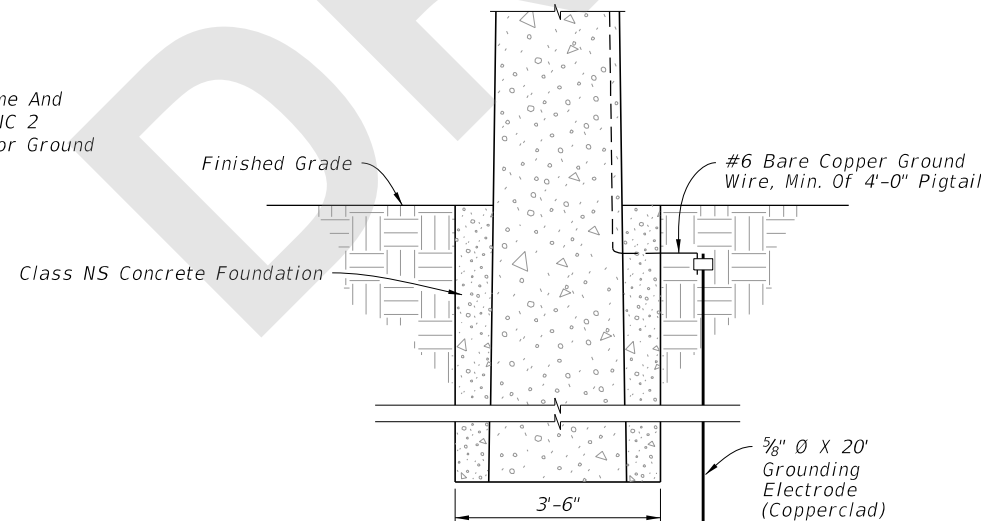
SIGNAL ATTACHMENT

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STEEL STRAIN POLE



PRESTRESSED CONCRETE STRAIN POLE

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| | | | | | | | |
|---------------------------|----------|--------------|--|------------------------------|--|------------------|-----------------|
| LAST REVISION 11/01/20 | REVISION | DESCRIPTION: | | FY 2021-22 STANDARD PLANS | SIGNAL CABLE AND SPAN WIRE INSTALLATION DETAILS | INDEX 634-001 | SHEET 1 of 1 |
|---------------------------|----------|--------------|--|------------------------------|--|------------------|-----------------|