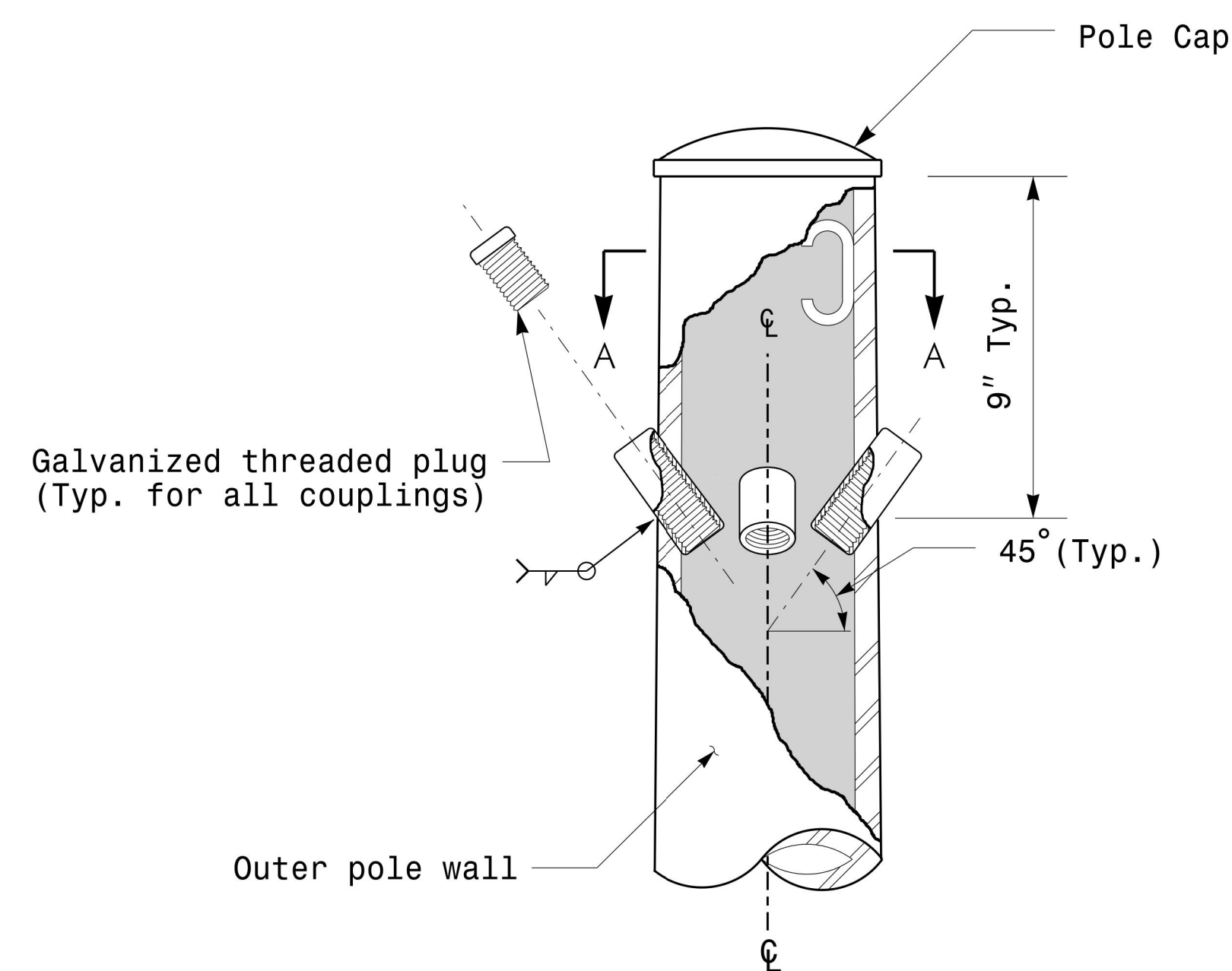
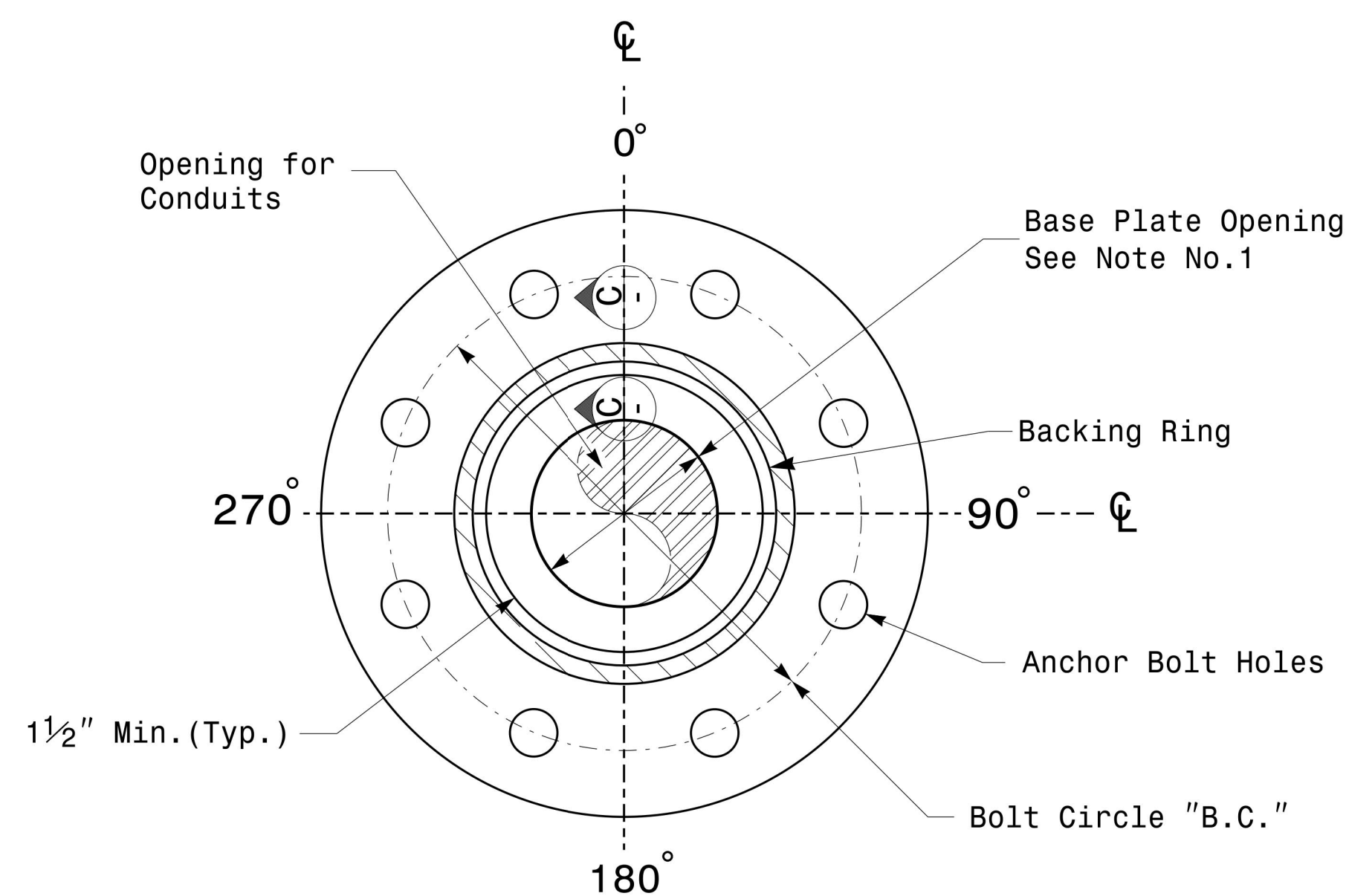




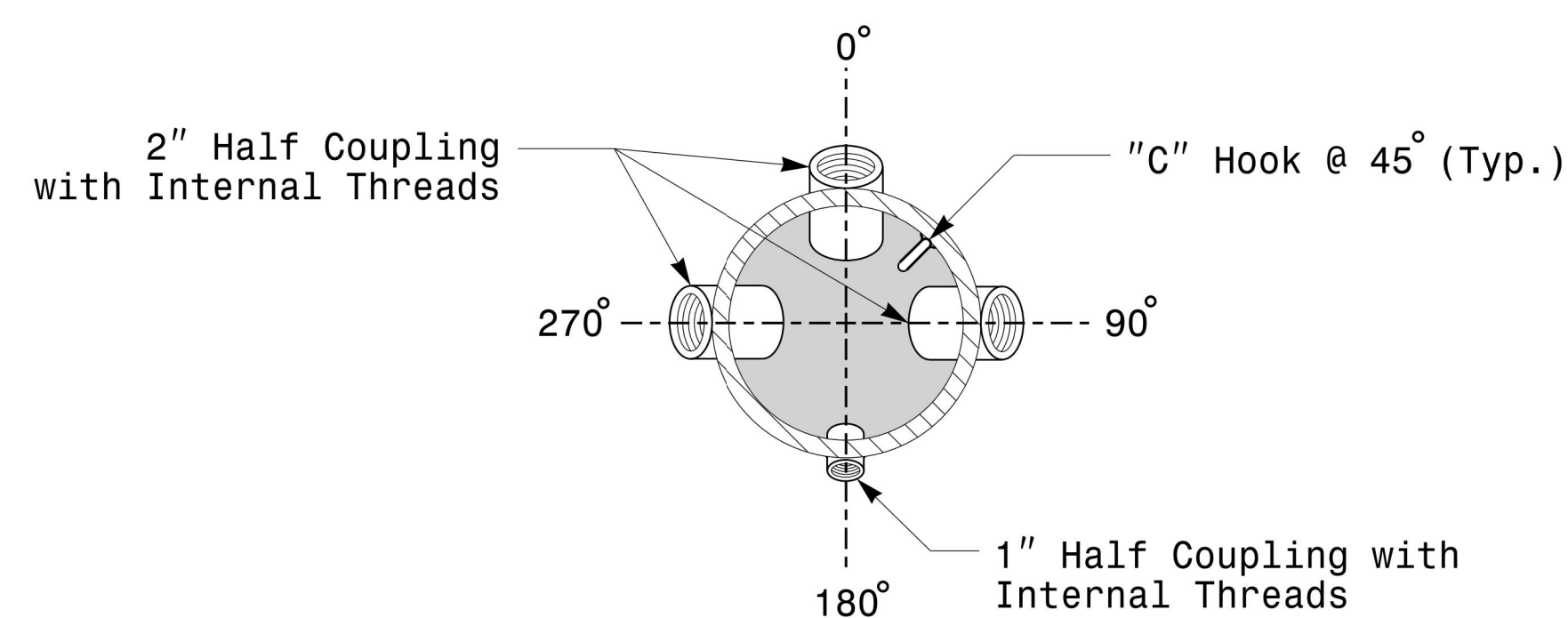
Note:  
 1. Opening in pole base plate shall be equal to pole base inside diameter minus 3 1/2" but shall not be less than 8 1/2".



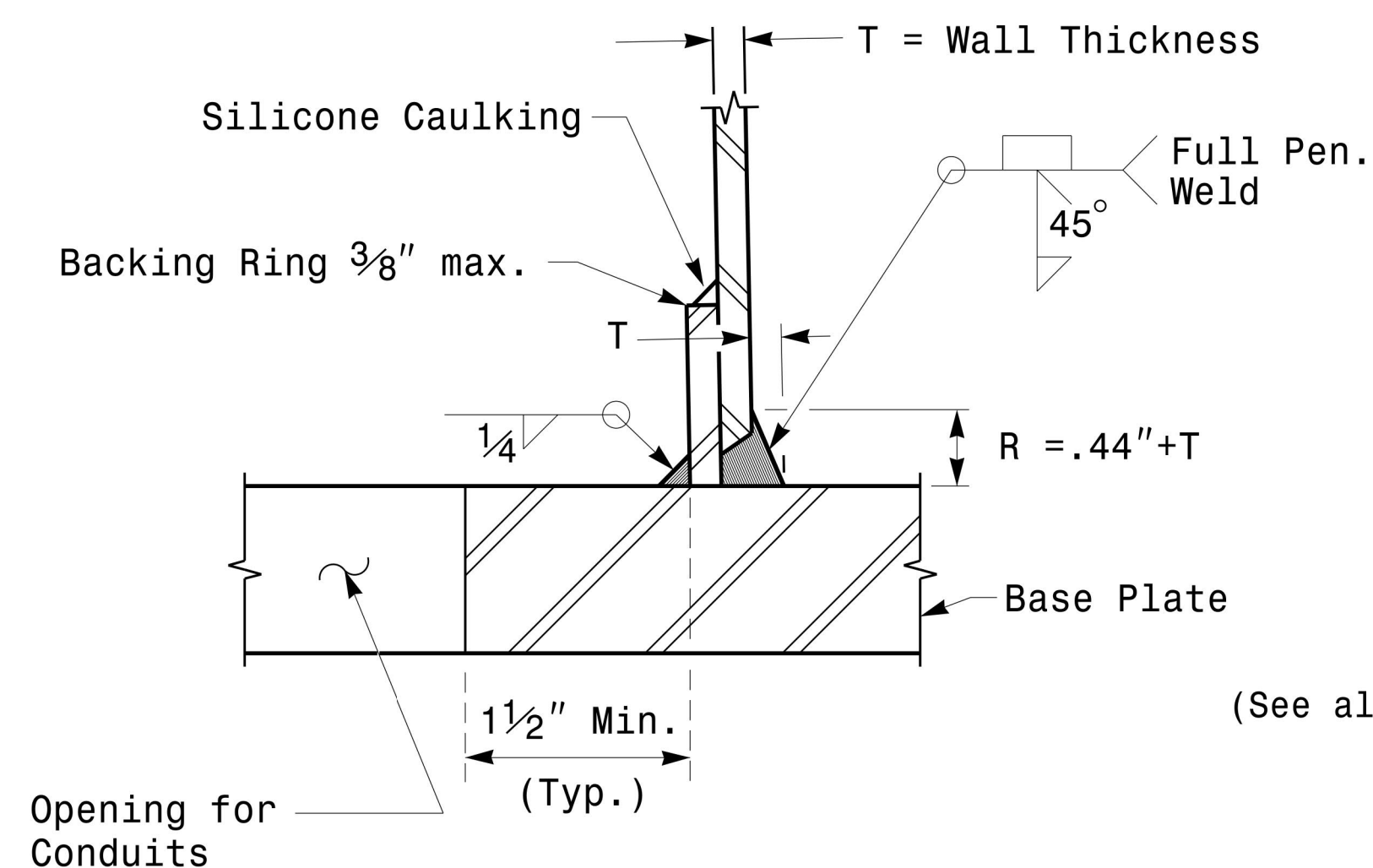
Cable Entrances at Top of Pole



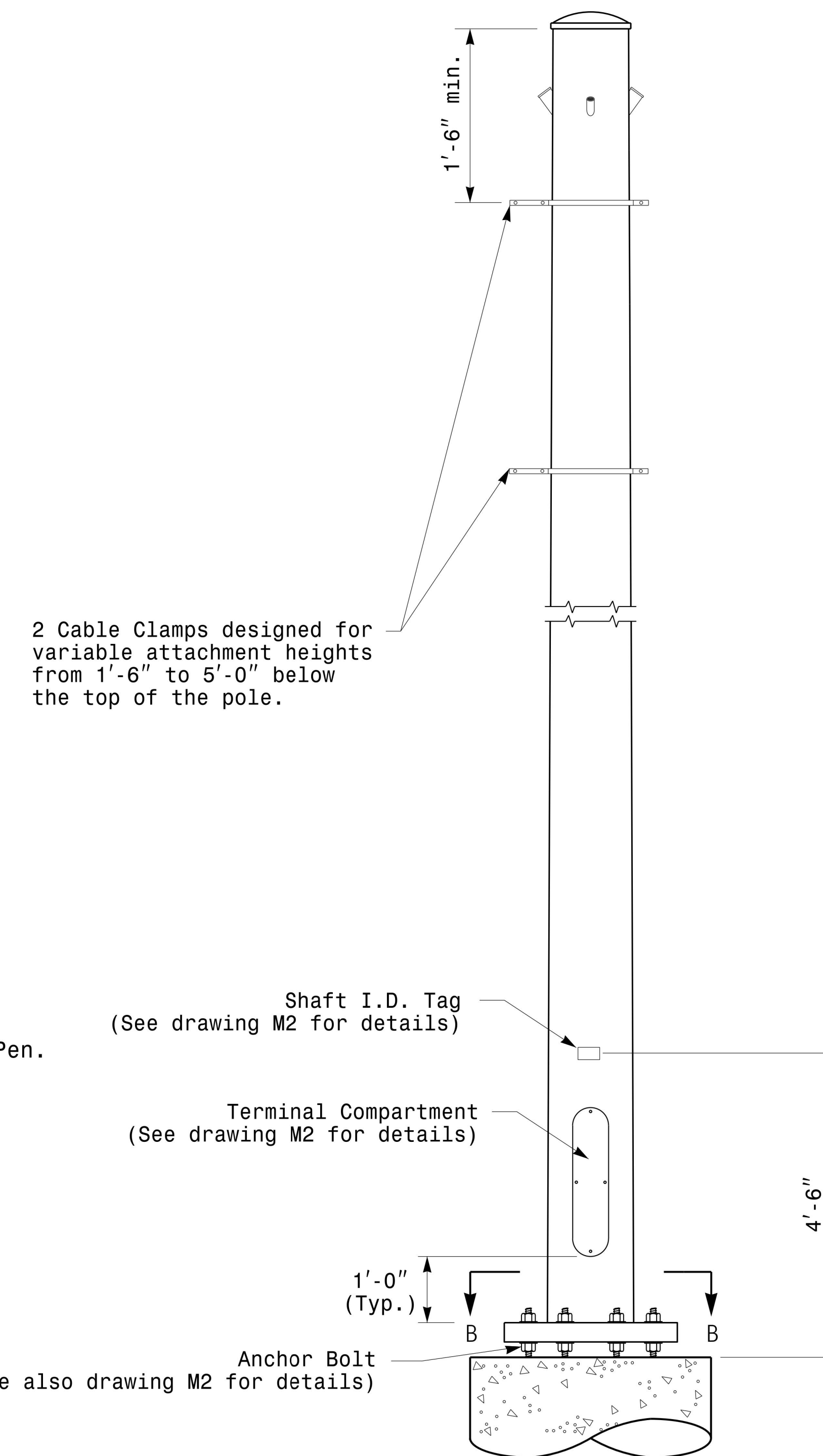
Section B-B  
Pole Base Plate Details  
(8 and 12 Bolt Pattern)



Section A-A  
Radial Orientation for Factory Installed  
Accessories at Top of Pole



Section C-C  
(Pole Attachment to Base Plate)  
Full-Penetration  
Groove Weld Detail

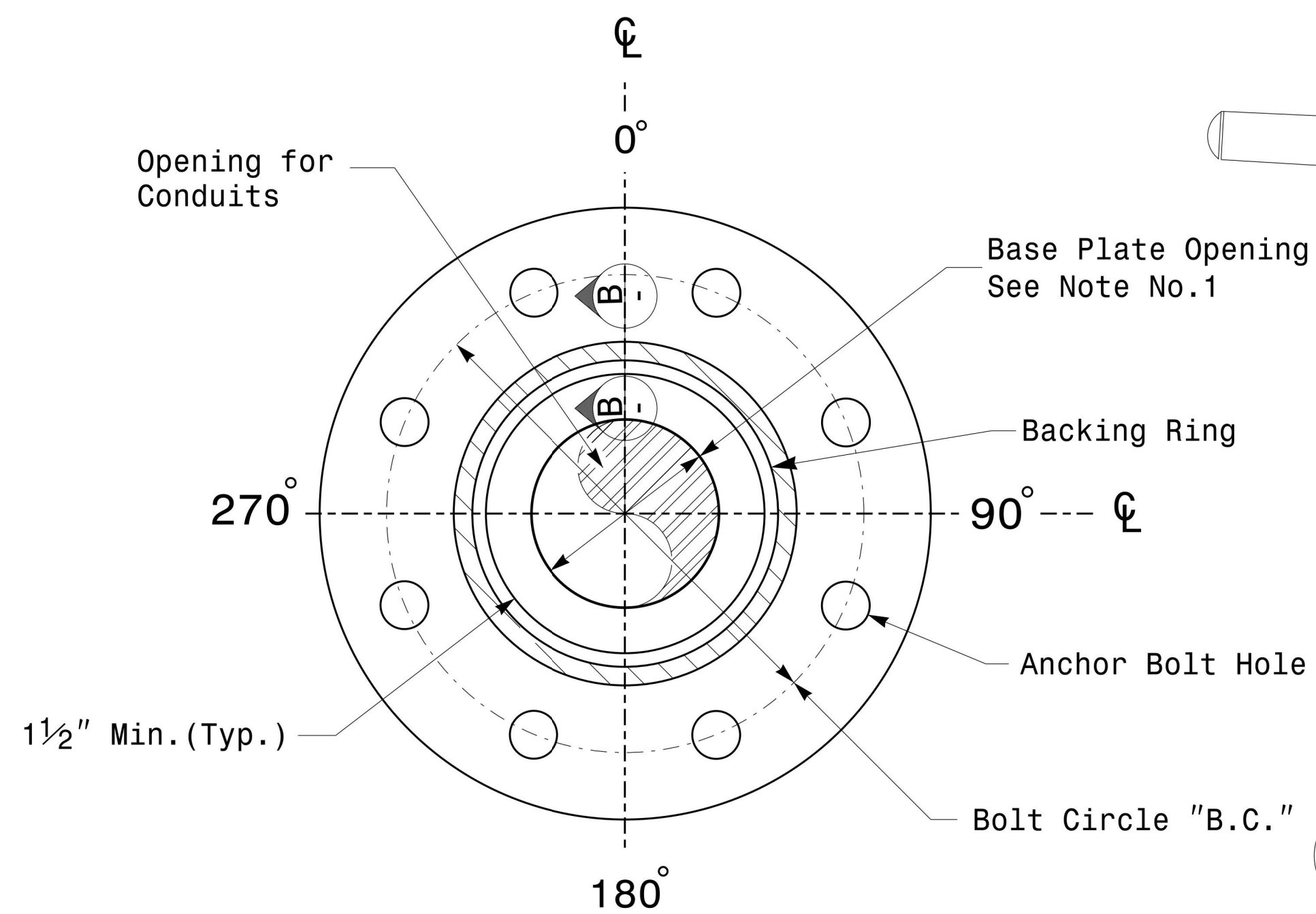


Monotube Strain Pole

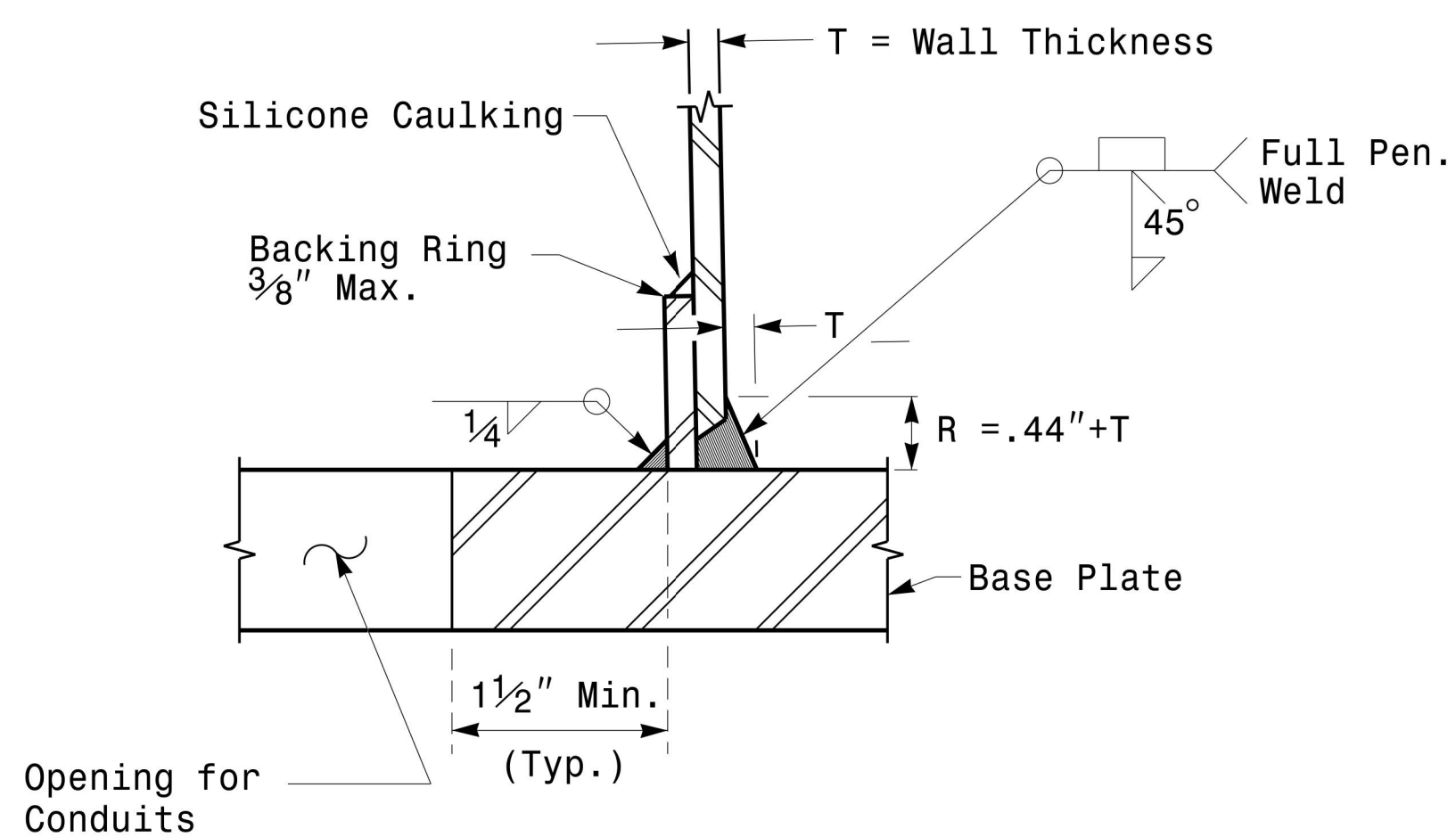
	Typical Fabrication Details For Strain Poles		
	PLAN DATE: OCTOBER 2017 DESIGNED BY: K.C. DURIGON	PREPARED BY: N. BITTING REVIEWED BY: D.C. SARKAR	
SCALE: 0 NA NONE	REVISIONS:	INIT. DATE:	SEAL D.C. SARKAR 4488878184947494 DocuSigned by: D.C. SARKAR 10/11/2017 DATE

Fabrication Details – Strain Poles

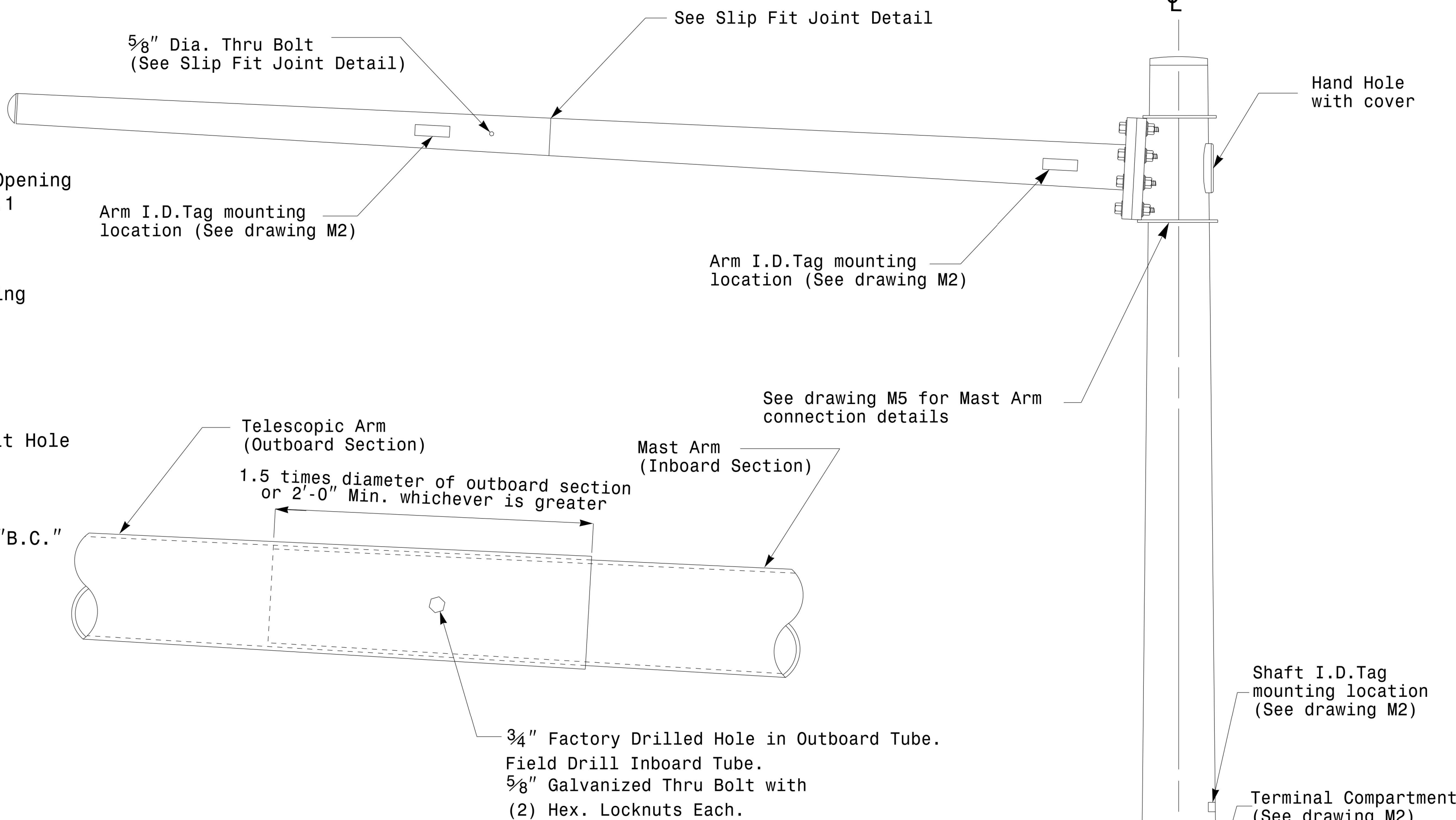
Note:  
 1. Opening in pole base plate shall be equal to pole base inside diameter minus 3 1/2" but shall not be less than 8 1/2".



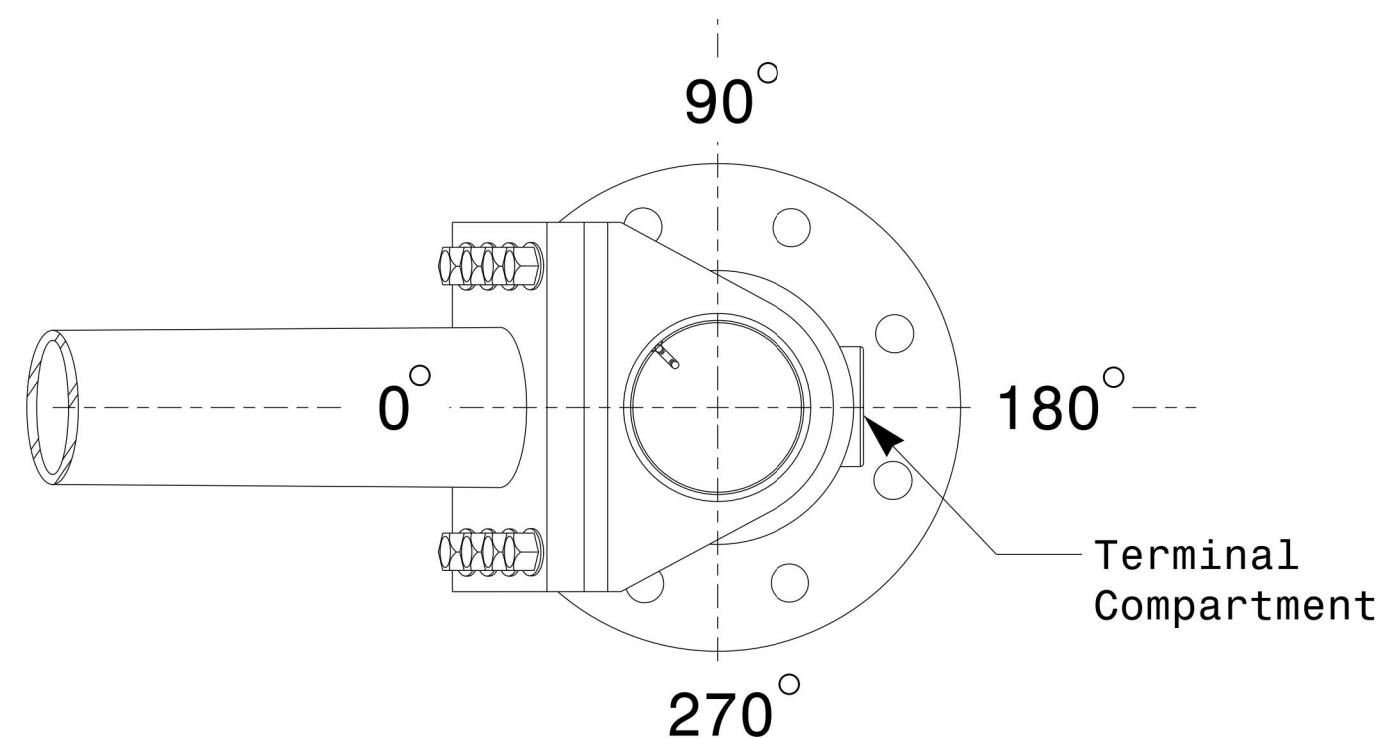
Section A-A  
 Pole Base Plate Details



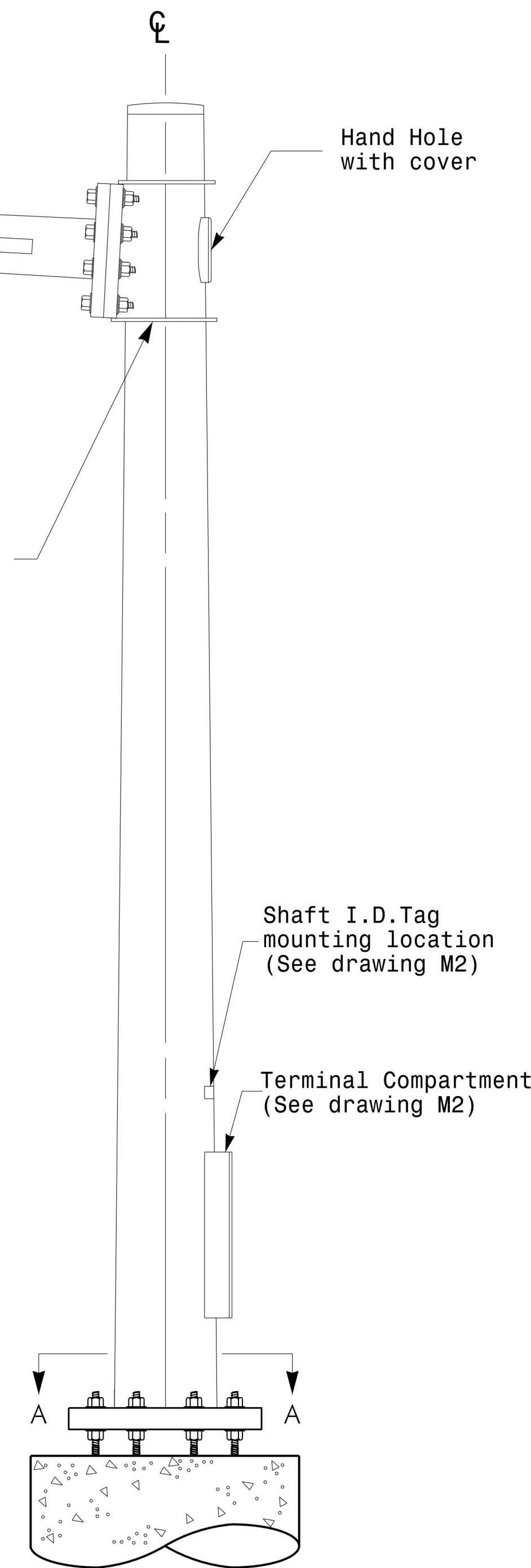
Section B-B  
 (Pole Attachment to Base Plate)  
 Full-Penetration Groove Weld Detail



Slip Fit Joint Detail for Mast Arm



Mast Arm Radial Orientation



Mast Arm Pole

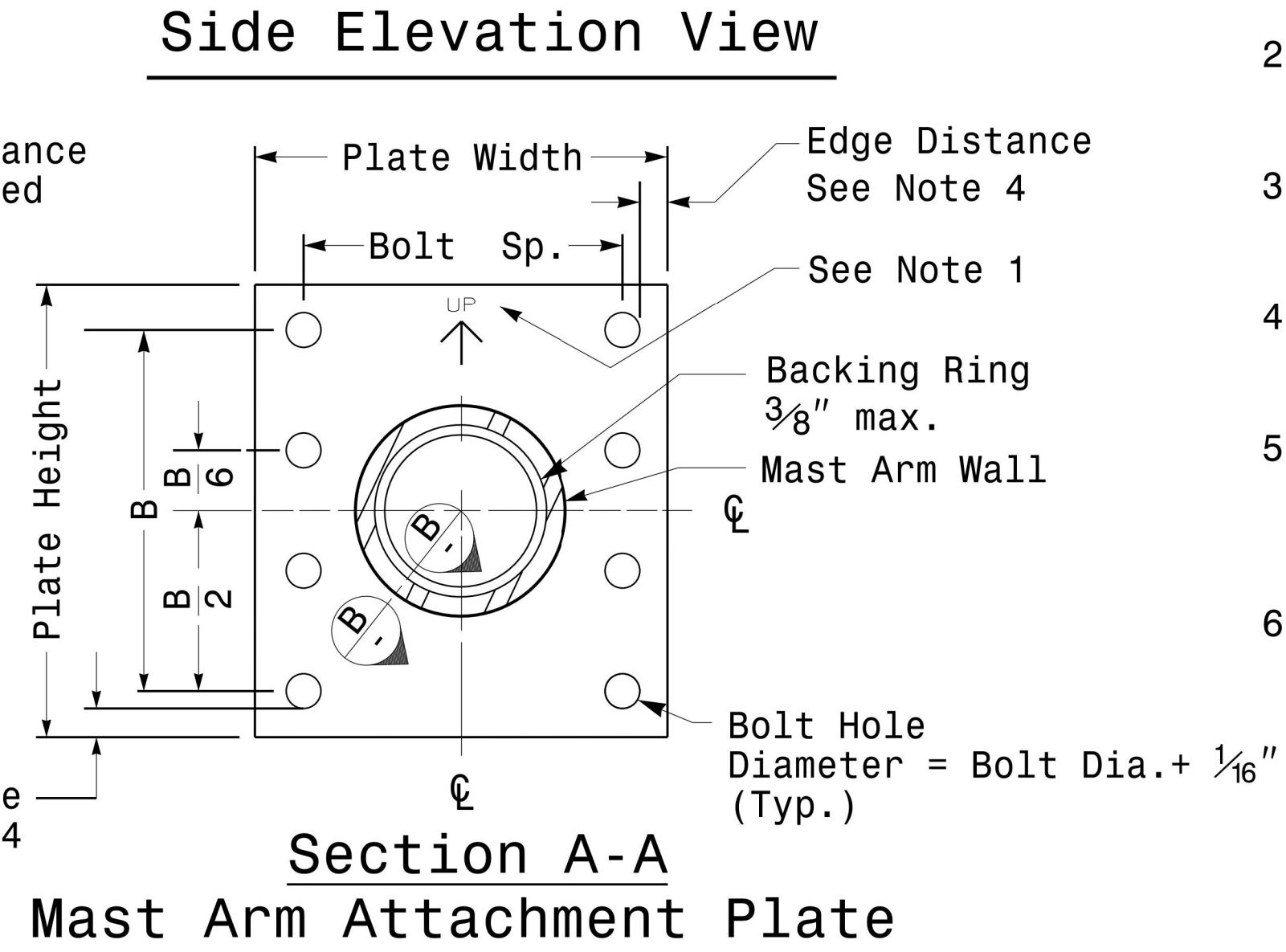
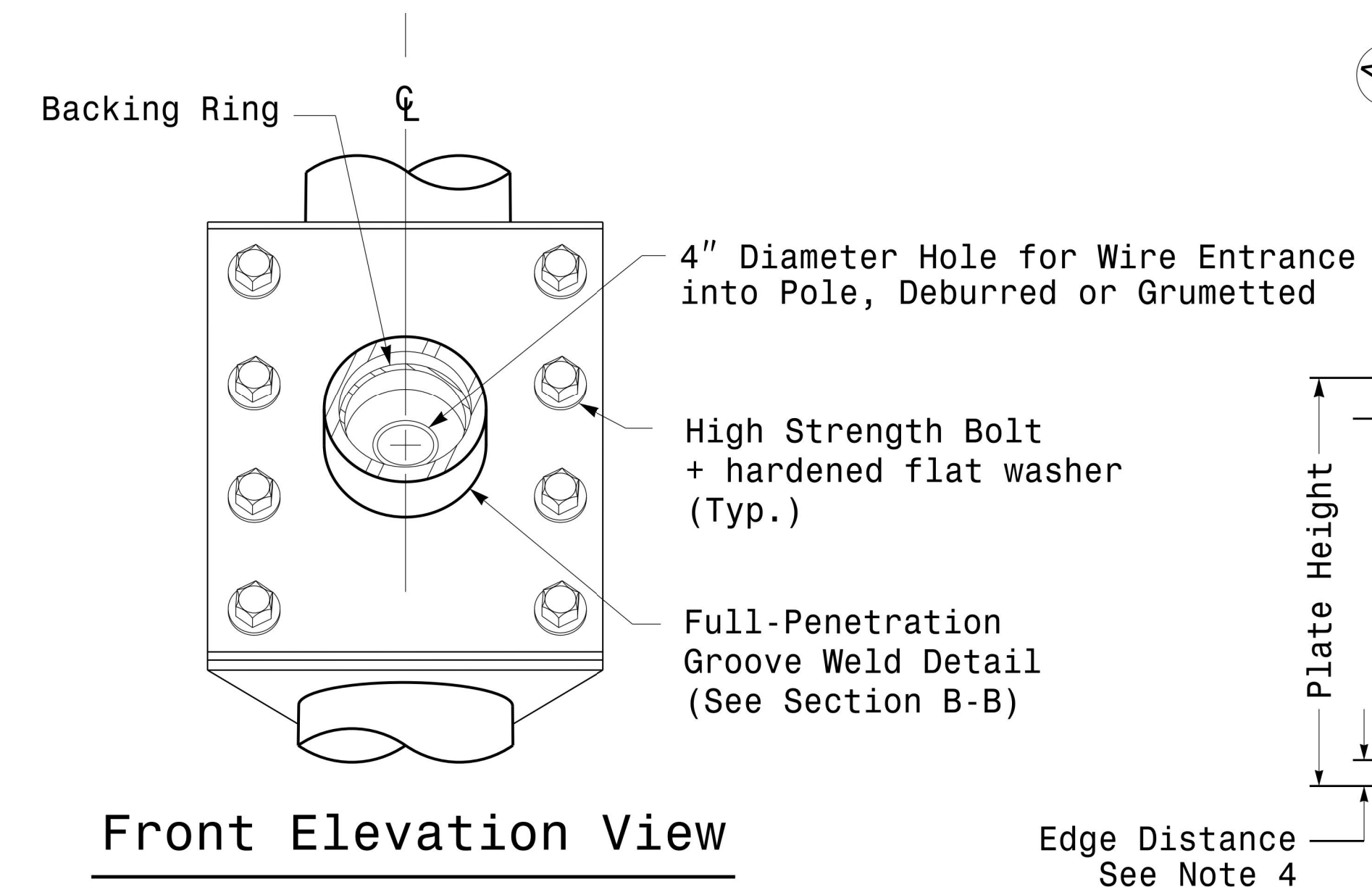
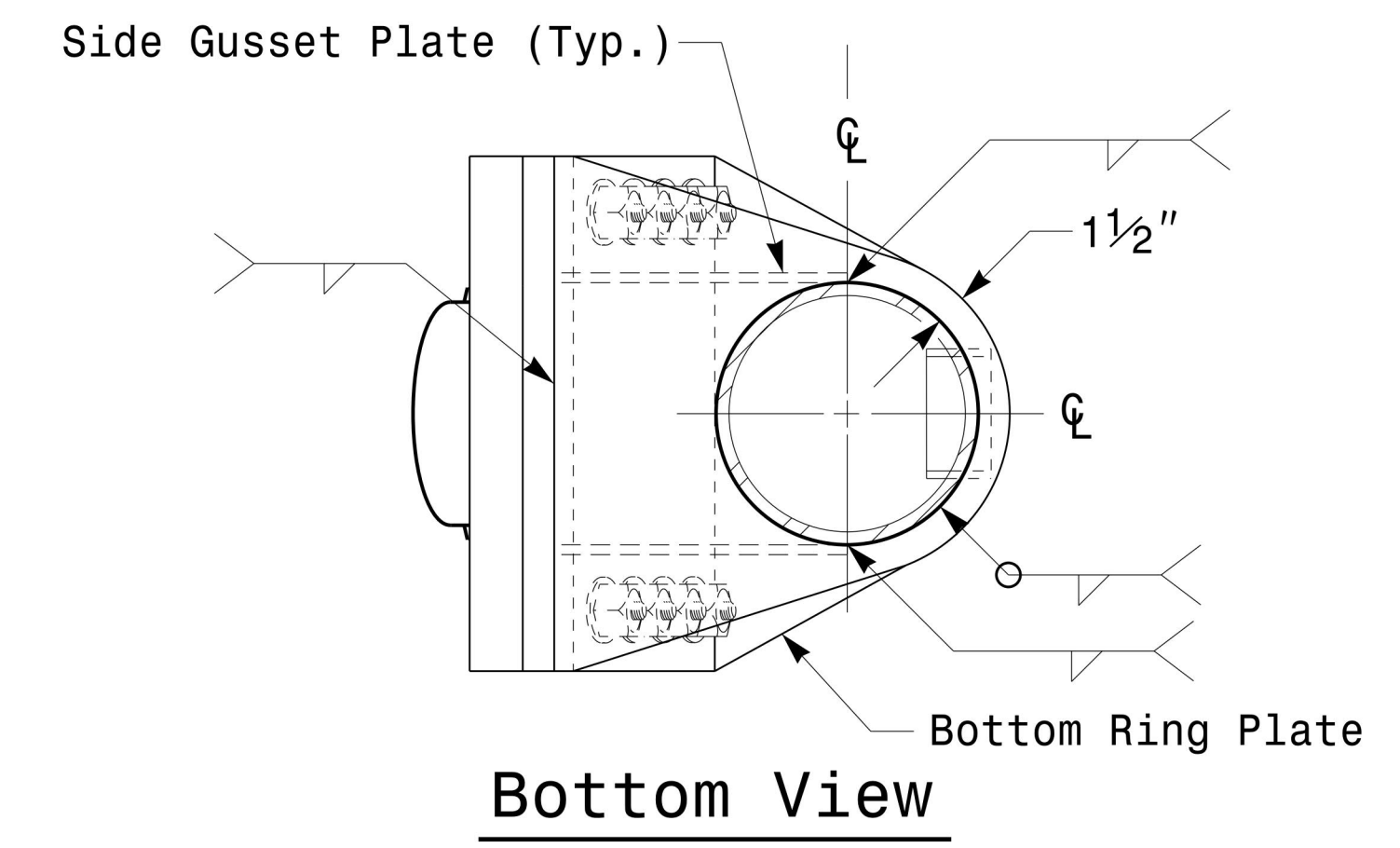
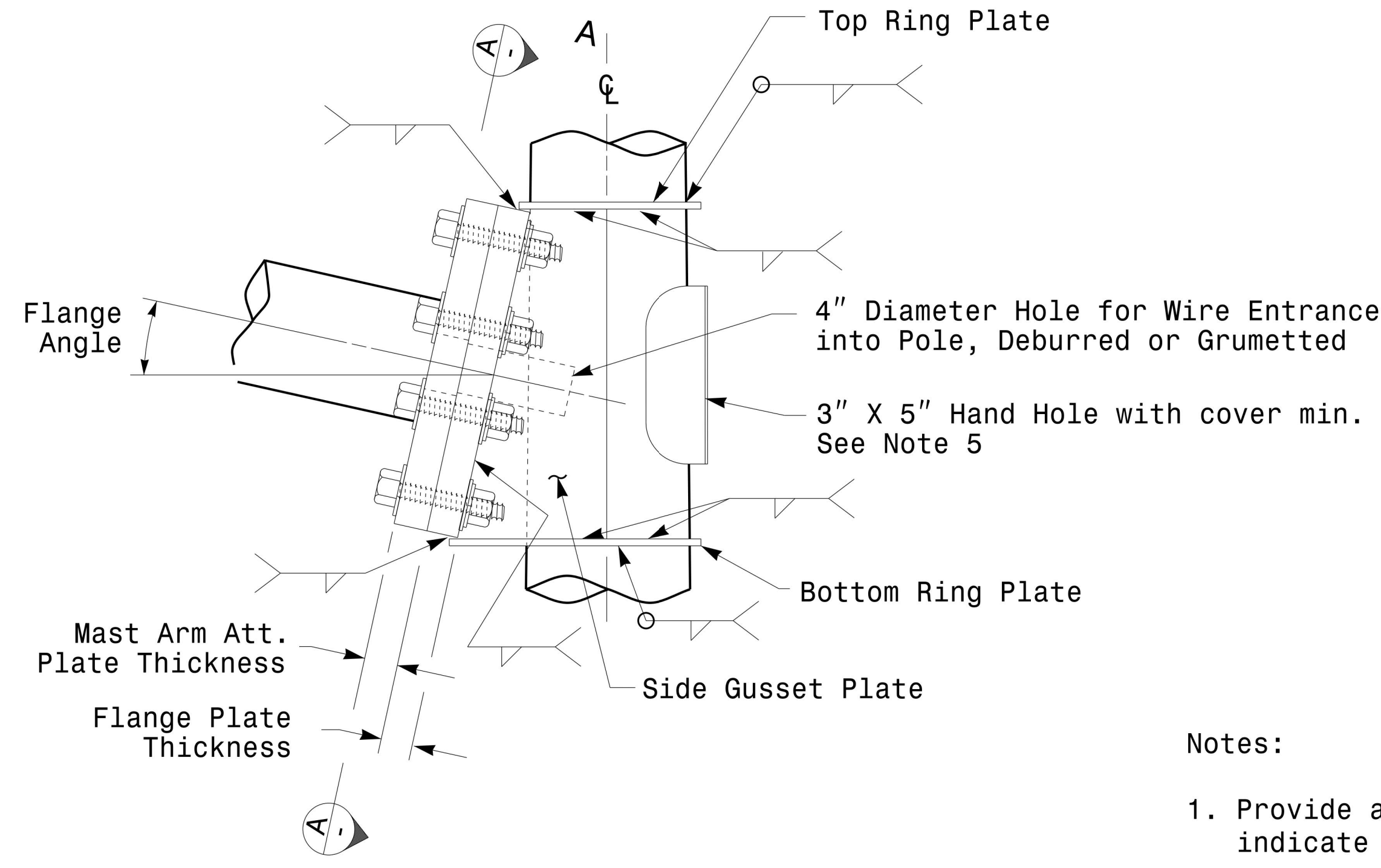
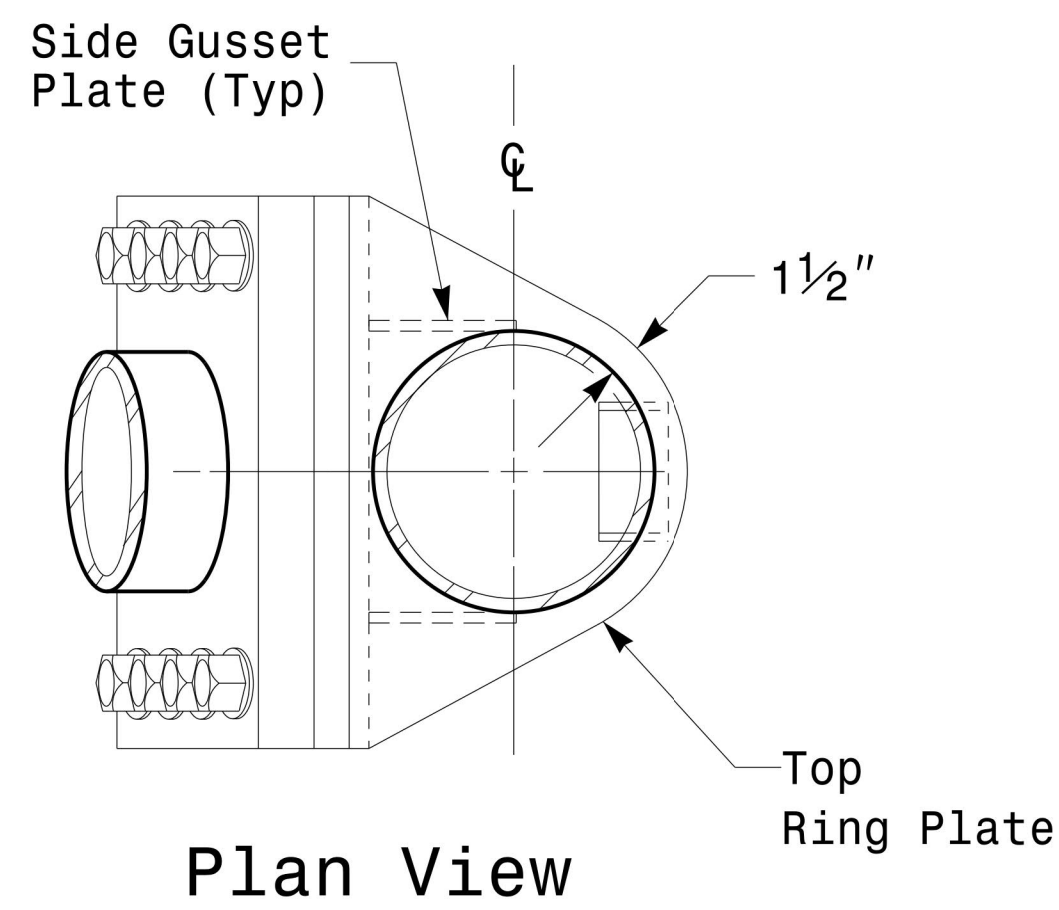
	Typical Fabrication Details For Mast Arm Poles		SEAL 
	PLAN DATE: OCTOBER 2017 DESIGNED BY: K.C. DURIGON	PREPARED BY: N. BITTING REVIEWED BY: D.C. SARKAR	
SCALE: 0 NA NONE	REVISIONS:	INIT.:	DATE:
DocuSigned by: <i>Dinesh C. Sarkar</i>			10/11/2017 DATE

Fabrication Details – Mast Arm Poles

11-OCT-2017 08:33 136504115 Signal&Signal Design Section\Eastern Region\MTS\Drawings\2016\2014 Sig.M4 Std. Fabrication Details-Mast Arm Poles.dgn

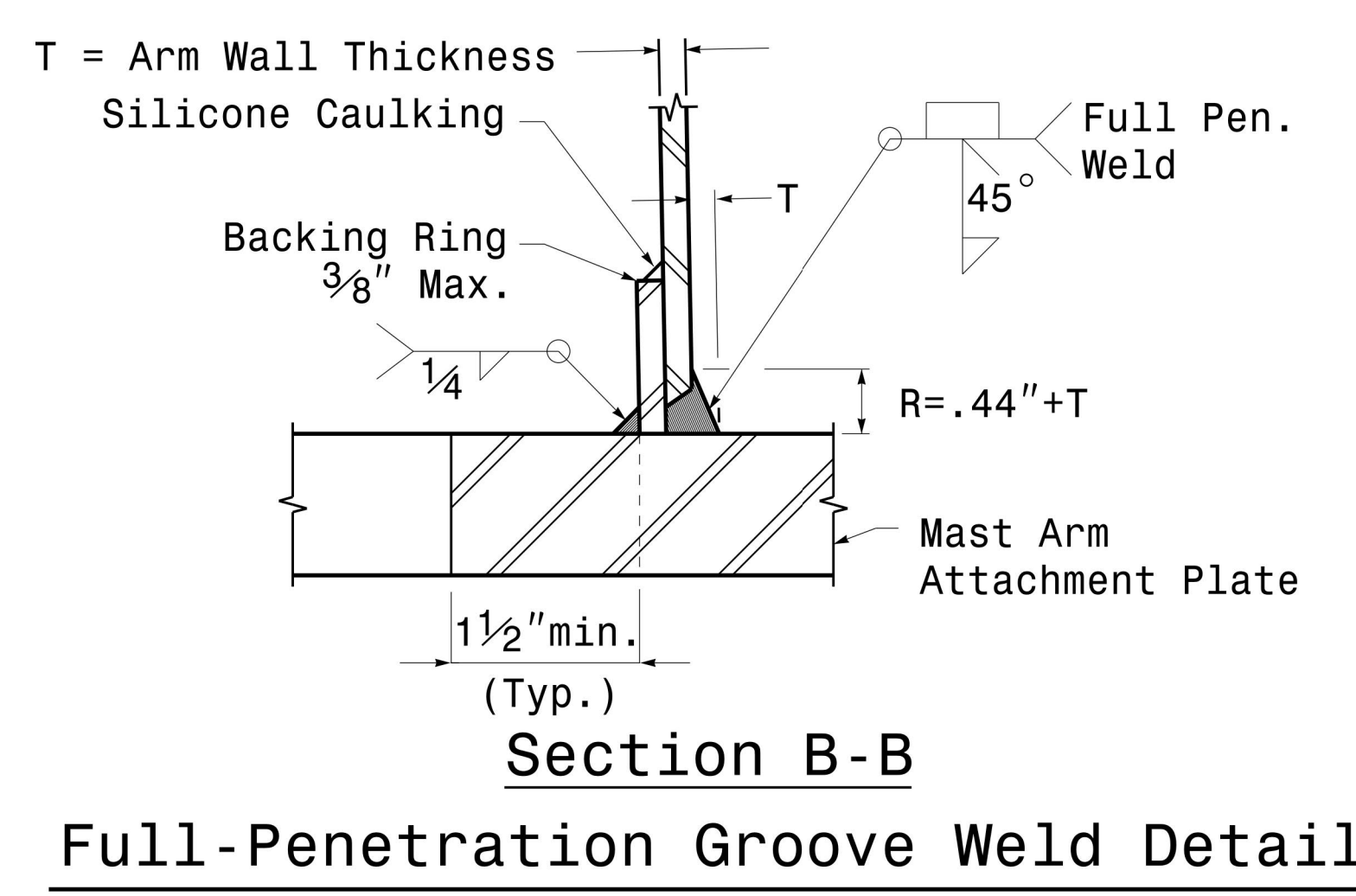
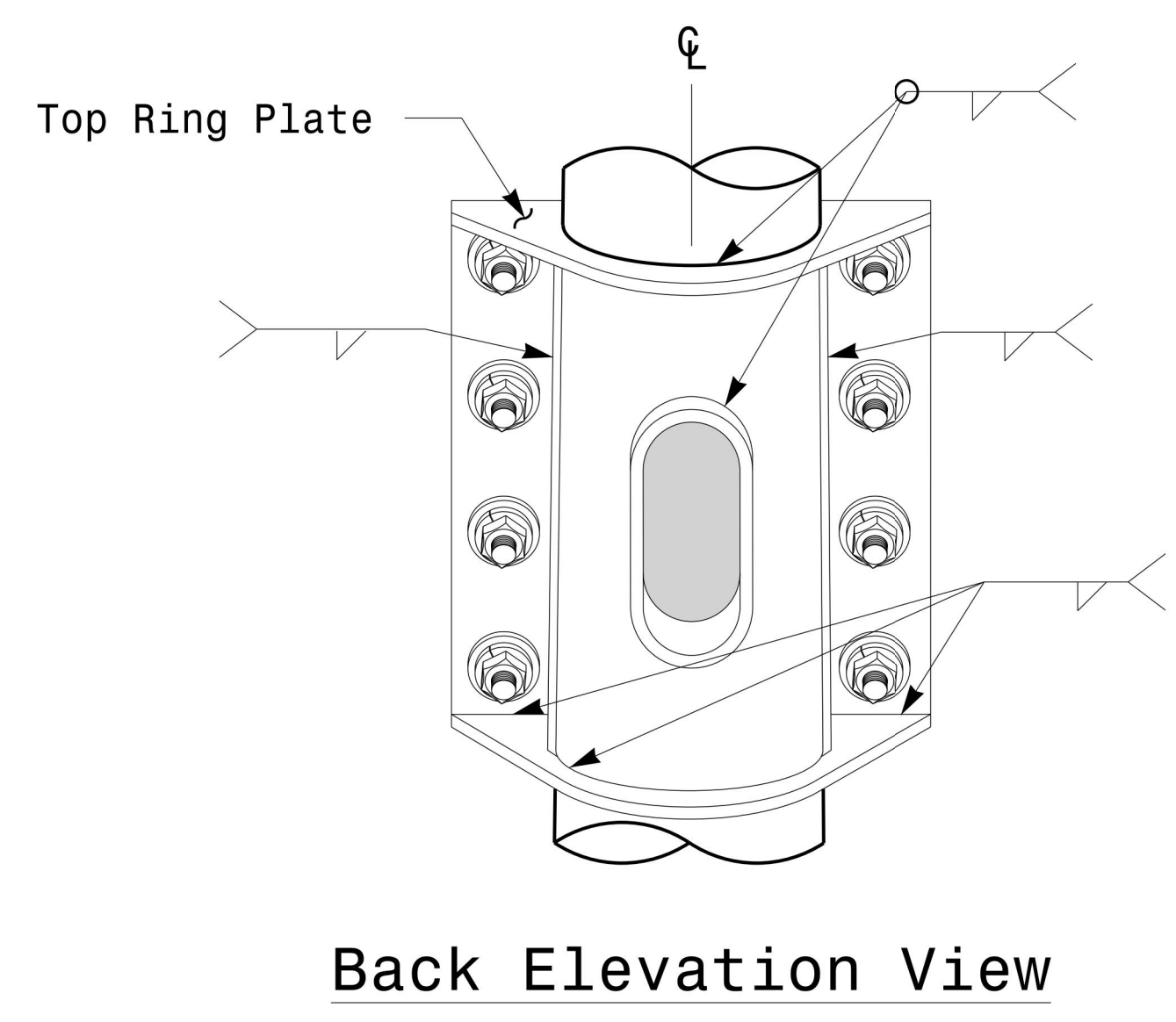
# Welded Ring Stiffened Mast Arm Connection

PROJECT ID. NO.	SHEET NO.
U-5896	Sig.M5



**Notes:**

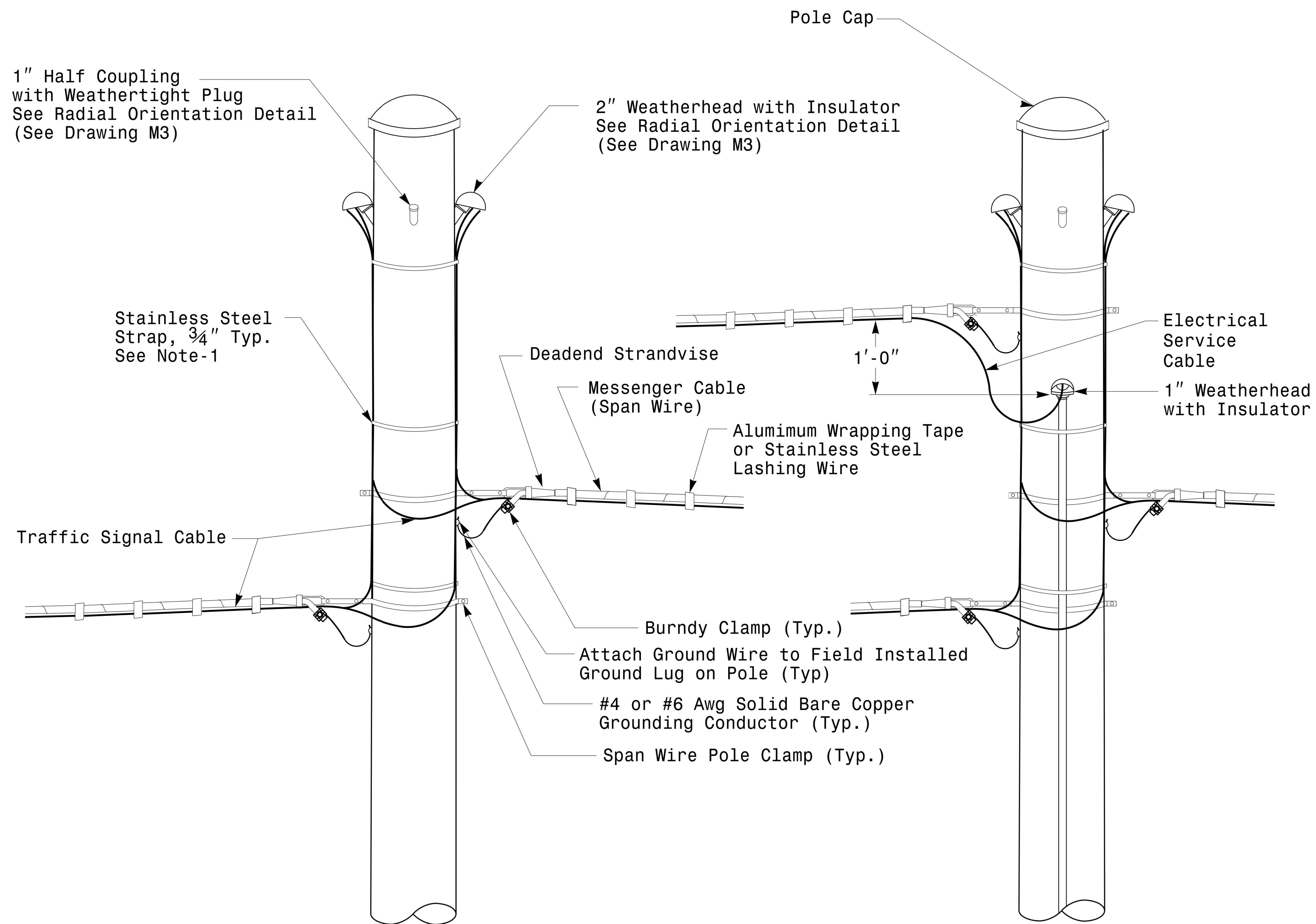
1. Provide a permanent means of identification above the mast arm to indicate proper attachment orientation of the mast arm.
2. Designer will determine the size of all structural components, plates, fasteners, and welds shown unless they are already specified.
3. Fabricator is responsible for providing appropriate holes at drainage points to drain galvanizing materials.
4. For minimum edge distance follow AISC Table J3.4 and J3.5. For nominal bolt hole size use Table J3.3.
5. Provide upper handhole as necessary when shaft extensions are required for luminaire arms or camera. For poles without luminaires/camera, wiring can be done through the top of pole.
6. Allowable range of flange tilt angle will vary from 0° to as required.



Prepared in the Offices of:  750 N. Greenfield Pkwy, Garner, NC 27529	Typical Fabrication Details For Mast Arm Connection To Pole		SEAL NORTH CAROLINA PROFESSIONAL ENGINEER 028094 DEBESH C. SARKAR
	PLAN DATE: OCTOBER 2017 PREPARED BY: N. BITTING	DESIGNED BY: C.F. ANDREWS REVIEWED BY: D.C. SARKAR	
SCALE: 0 NA NONE	DATE: 10/11/2017		Discussed by: Debesh C. Sarkar DATE: 10/11/2017

11-OCT-2017 08:35  
 P:\SSD\W115\Sig.M5.dgn  
 Design Section\Eastern Region\W115\Sigs\2016\2014\_Sig.M5\_S1d - Connection Fabrication Detail\1-Mast Arm Poles.dgn  
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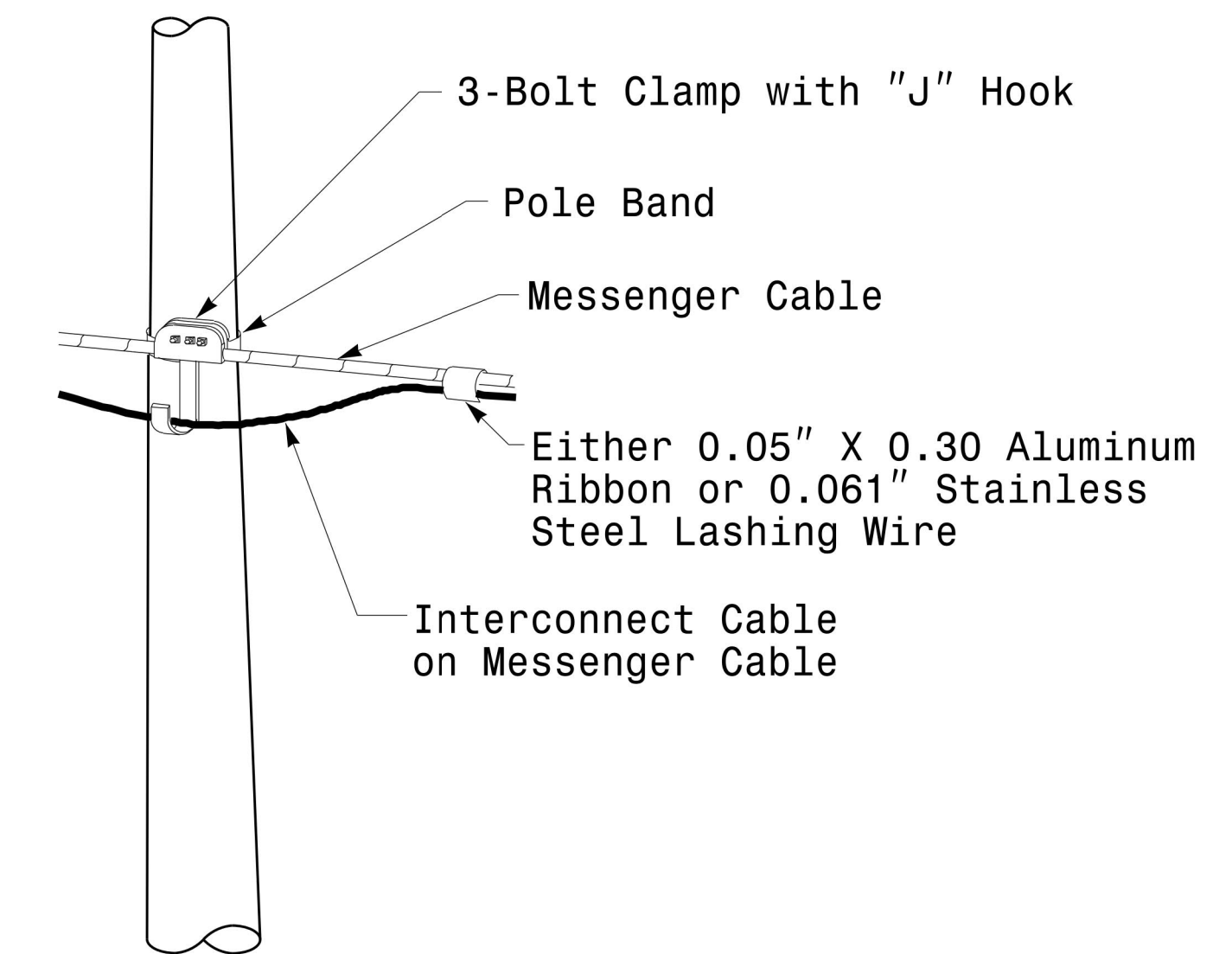
**Fabrication Details - Mast Arm Connection**



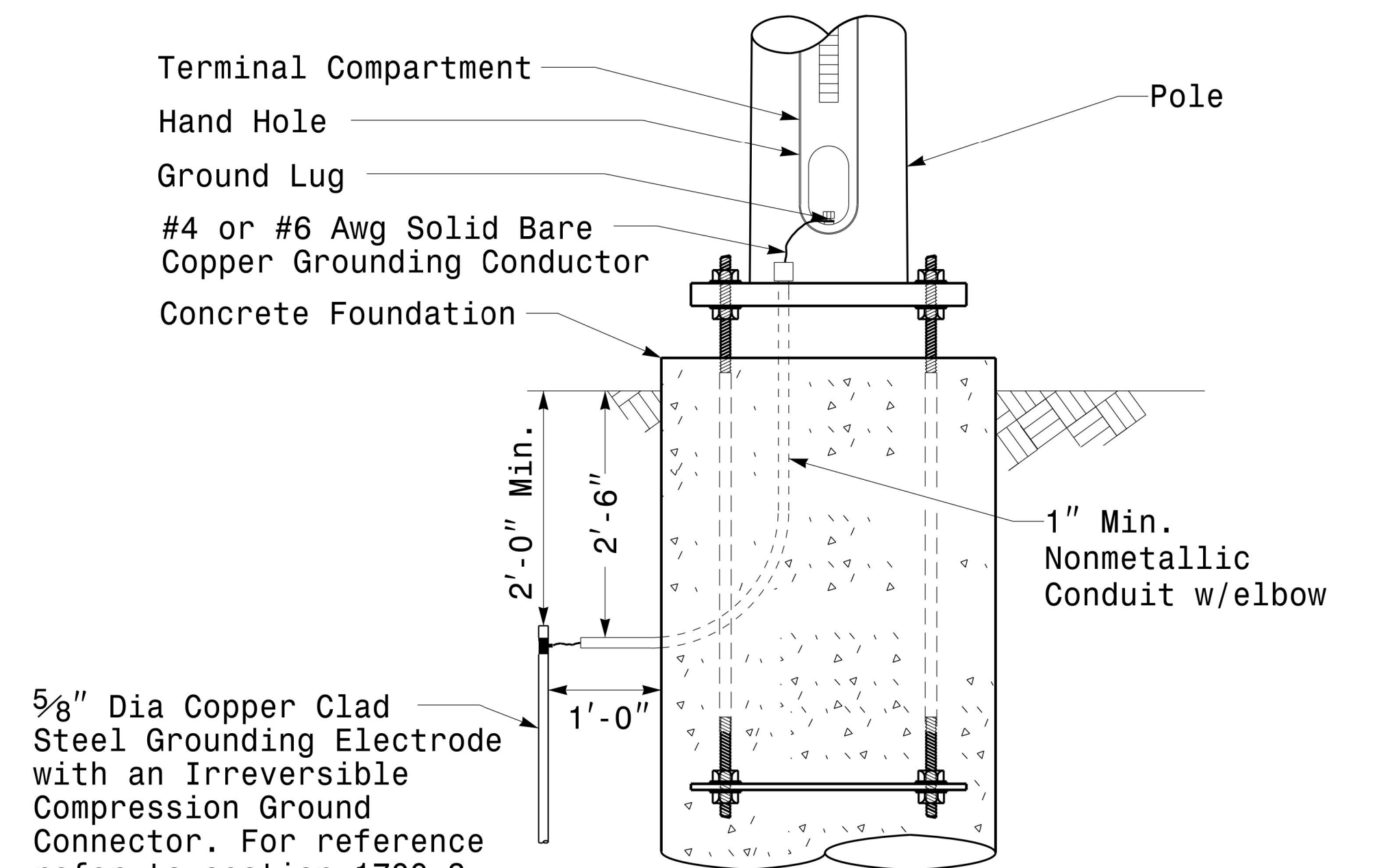
**Strain Pole Attachments**

**NOTE:**

1. Strap all signal cables to the side of the pole with 3/4" stainless steel straps when the distance between the spanwire attachment clamp and the weatherheads exceeds 3'-0".
2. Provide minimum two spanwire pole clamps per pole.
3. It is prohibited to attach two span wires at one pole clamp.
4. For general requirements refer to NCDOT Standard Specifications for Roadway and Structures, January 2018.



**Attachment of Cable to Intermediate Metal Pole**



5/8" Dia Copper Clad Steel Grounding Electrode with an Irreversible Compression Ground Connector. For reference refer to section 1700-3 K and L for electrical grounding and bonding requirements, See Note 4.

**Metal Pole Grounding Detail For Strain Pole and Mast Arm**

	<b>Typical Fabrication Details For Strain Pole Attachments</b>		
	PLAN DATE: OCTOBER 2017 PREPARED BY: N. BITTING	DESIGNED BY: C.F. ANDREWS REVIEWED BY: D.C. SARKAR	
750 N. Greenfield Pkwy, Garner, NC 27529		REVISIONS: _____ INIT.: _____ DATE: _____	DocuSigned by: <i>Dhruvi C. Sarkar</i> 10/11/2017



# SOIL CONDITION

		STANDARD STRAIN POLES					STANDARD FOUNDATIONS 48" Diameter Drilled Pier Length (L) - Feet							Reinforcement				
		Case No.	Pole Height (Ft.)	Base Plate BC (In.)	Reactions at the Pole Base			Clay				Sand			Longitudinal		Stirrups	
					Axial (kip)	Shear (kip)	Moment (ft-kip)	Medium N-Value 4-8	Stiff N-Value 9-15	Very Stiff N-Value 16-30	Hard N-Value >30	Loose N-Value 4-10	Medium N-Value 11-30	Dense N-Value >30	Bar Size (#)	Quantity (ea.)	Bar Size (#)	Spacing (in.)
WIND ZONE 1	LIGHT	S26L3	26	25	2	11	270	19	13	10	8	17	14.5	12.5	8	12	4	12
		S30L3	30	25	2	11	300	19.5	13.5	10	8	17.5	15	13	8	14	4	12
		S35L3	35	25	3	11	320	20	13.5	10.5	8	17.5	15	13	8	14	4	12
	HEAVY	S30H3	30	29	3	16	450	24.5	16	12	9	21	17.5	15	8	16	4	6
		S35H3	35	29	4	16	515	26	17	12.5	9.5	22	18.5	16	8	16	4	6
WIND ZONE 2	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
WIND ZONE 3	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6
WIND ZONE 4	LIGHT	S26L1	26	22	2	8	190	16	11.5	8.5	8	15	12.5	11	8	12	4	12
		S30L1	30	22	2	8	205	16.5	11.5	9	8	15	13	11.5	8	12	4	12
		S35L1	35	22	3	8	230	17	12	9	8	15.5	13.5	11.5	8	12	4	12
	HEAVY	S30H1	30	25	3	12	320	20.5	13.5	10.5	8	18	15	13.5	8	16	4	6
		S35H1	35	25	4	12	350	21	14	10.5	8.5	18.5	15.5	13.5	8	16	4	6
WIND ZONE 5	LIGHT	S26L2	26	23	2	10	245	18	12.5	9.5	8	16.5	14	12	8	12	4	12
		S30L2	30	23	2	10	270	18.5	12.5	10	8	16.5	14	12.5	8	12	4	12
		S35L2	35	23	3	10	300	19.5	13	10	8	17	14.5	13	8	12	4	12
	HEAVY	S30H2	30	29	3	15	415	23	15.5	11.5	9	20	17	14.5	8	16	4	6
		S35H2	35	29	4	15	475	25	16.5	12	9.5	21	17.5	15.5	8	16	4	6

**General Notes:**

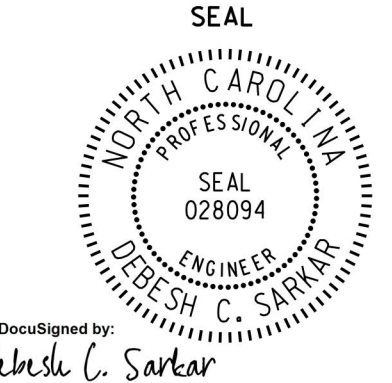
1. Values shown in the "Reactions at the Pole Base" column represent the minimum acceptable capacity allowed for design using a design CSR of 1.00.
2. Use chairs and spacers to maintain proper clearance.
3. For foundation, always use air-entrain concrete mix.

**Foundation Selection:**

1. Perform a standard penetration test at each proposed foundation site to determine "N" value.
2. Select the appropriate wind zone from M 1 drawing.
3. Select the soil type (Clay or Sand) that best describes the soil characteristics.
4. Get the appropriate standard pole case number from the plans or from the Engineer.
5. Select the appropriate column under "Standard Foundations" based on soil type and "N" value. Select the appropriate row based on the pole load case.
6. The foundation depth is the value shown in the "Standard Foundations" category where the column and the row intersect.
7. Use Construction Procedures and Design Methods prescribed by FHWA-NHI-10-016 for Reference Drilled Shafts.

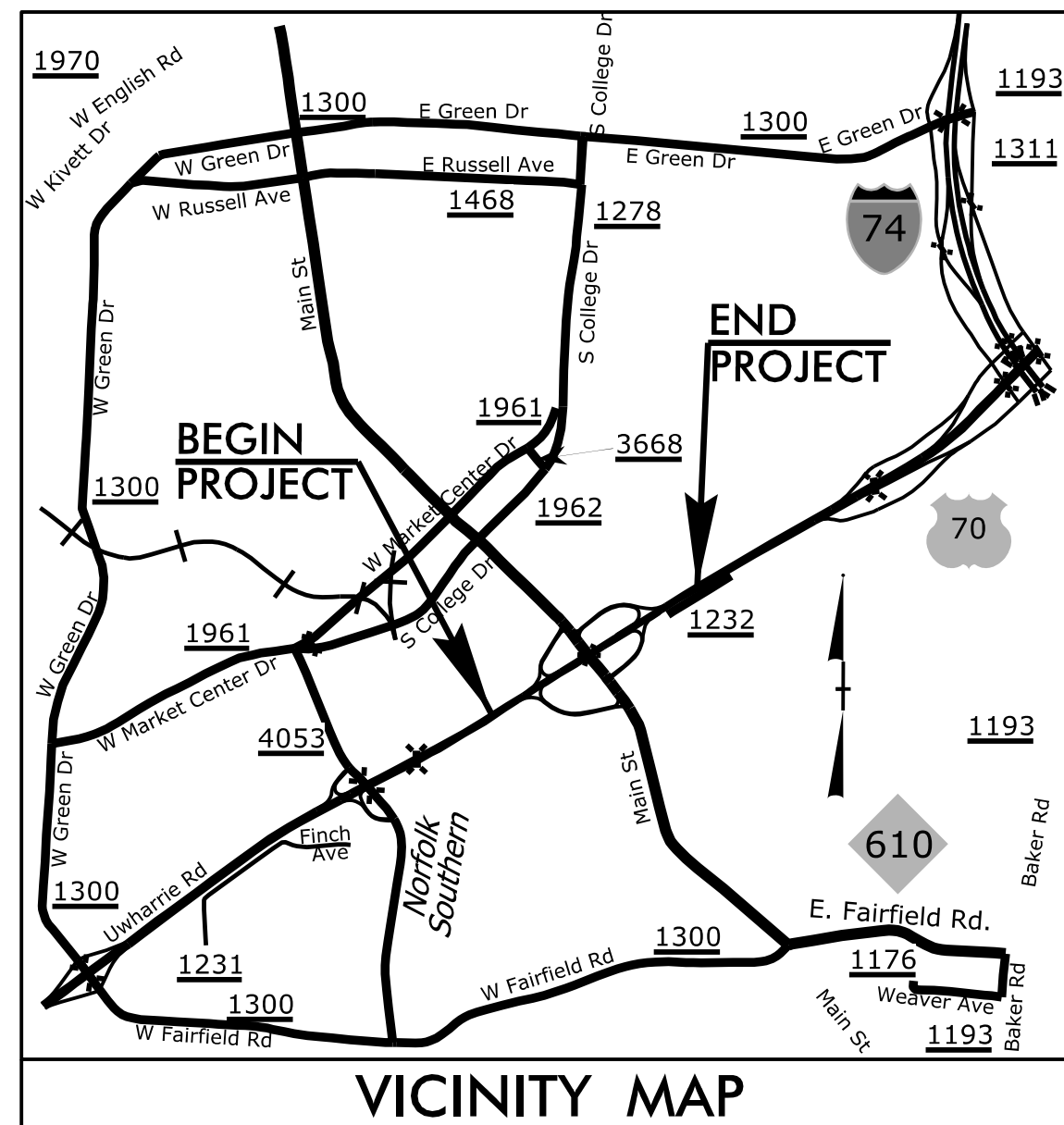
**Standard Strain Pole Foundation-All Soil Condition**

48" Dia. Foundations Concrete Volume (cubic yards) = (0.465) x Drilled Pier Length

	<p><b>Standard Strain Pole Foundation for All Soil Conditions</b></p> <p>PLAN DATE: OCTOBER 2017    DESIGNED BY: C.B. COGDELL                  PREPARED BY: N. BITTING    REVIEWED BY: D.C. SARKAR</p>	<p>Seal of D. C. SARKAR, Professional Engineer, State of North Carolina, License No. 028094</p>								
<p>SCALE: 0 NA NONE</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>Changed "Foundation Depth" to "Drilled Pier Length" in Conc. Egn.</td> <td>N.B.</td> <td>7/12/2015</td> </tr> </table>	NO.	DESCRIPTION	INIT.	DATE	1	Changed "Foundation Depth" to "Drilled Pier Length" in Conc. Egn.	N.B.	7/12/2015	<p>DocuSigned by: <i>D. C. SARKAR</i> HERE SIGNATURE</p> <p>10/11/2017 DATE</p>
NO.	DESCRIPTION	INIT.	DATE							
1	Changed "Foundation Depth" to "Drilled Pier Length" in Conc. Egn.	N.B.	7/12/2015							

I:\Projects\2017\_08-10\S-11124204\15 Signal\Signal Design Section\Eastern Region\M-1 Sheets\2016\2014 Sig.M8 Std. Strain Pole Found.-Saturated Soil Condition.dgn

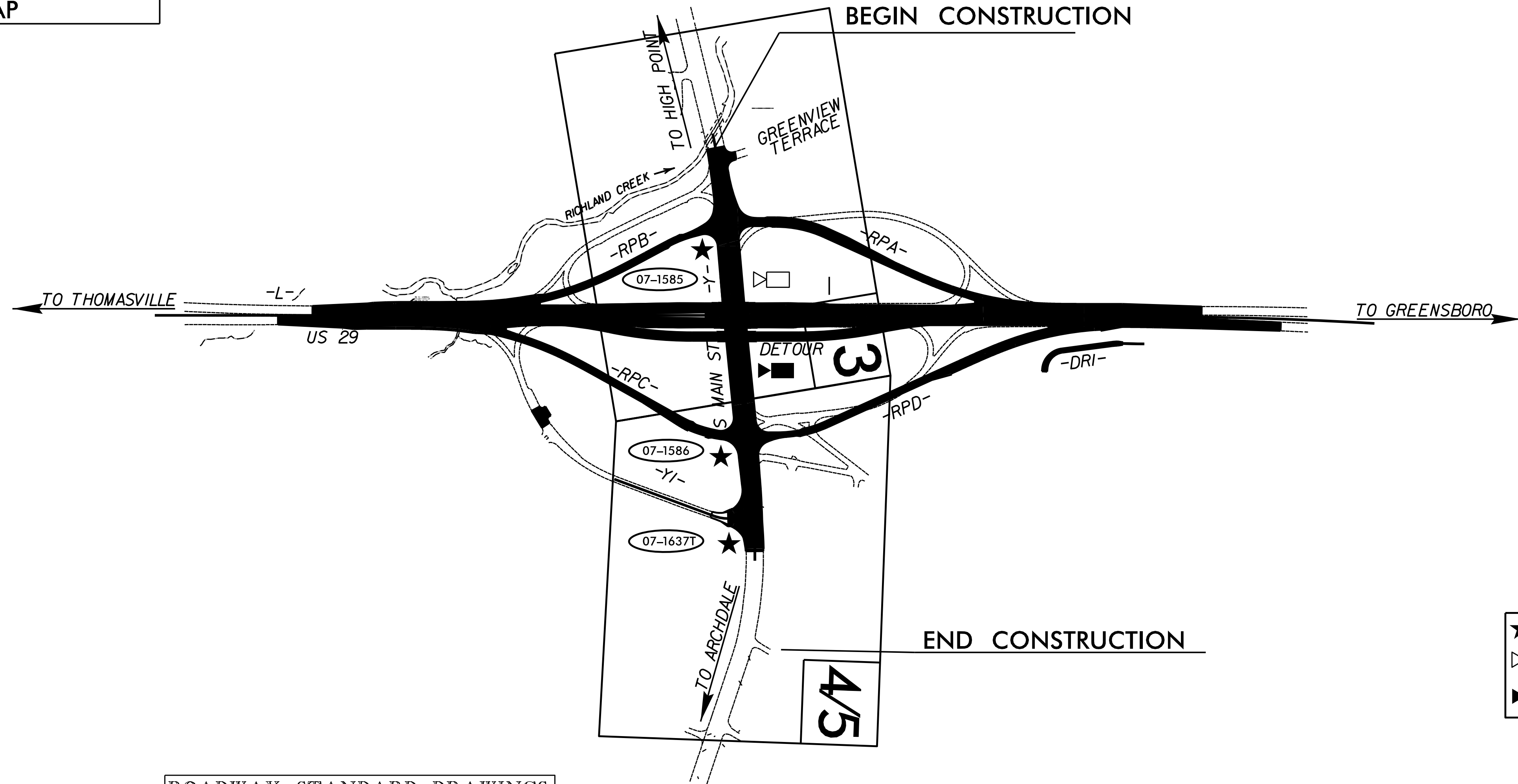
**PROJECT: U-5896**



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**GUILFORD COUNTY**

**LOCATION: INTERCHANGE AT US 29 AND  
SR 1009 (S. MAIN STREET), IN HIGH POINT**

**TYPE OF WORK: FIBER OPTIC COMMUNICATIONS CABLE ROUTING AND SPLICE PLANS**



★	PROPOSED SIGNAL
◻	PROPOSED CCTV
◼	EXISTING CCTV CAMERA TO BE REMOVED

**INDEX OF SHEETS**

SHEET 1	TITLE SHEET
SHEET 2	CONSTRUCTION NOTES
SHEET 3 - 5	CABLE ROUTING
SHEET 6 - 8	SPLICE PLANS
SHEET 9	TYPICAL DETAIL

**ROADWAY STANDARD DRAWINGS**

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2002 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1715.01	UNDERGROUND CONDUIT
1716.01	JUNCTION BOXES
1720.01	WOOD POLES
1721.01	GUY ASSEMBLIES
1730.01	FIBER OPTIC CABLE - SPARE CABLE STORAGE
1730.02	FIBER OPTIC CABLE - CONDUIT INSTALLATION
1733.01	DELINEATOR MARKERS
1740.01	METAL POLES

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

 <b>MOTT MACDONALD</b> <small>7621 Purfoy Road Suite 115 Fayetteville, NC 27526 www.mottmac.com License No. F-10693</small>	 <small>Prepared for the Offices of: Transportation Mobility and Safety Division STATE OF NORTH CAROLINA Department of Transportation</small>	<b>HIGH POINT SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS</b>		 <small>SEAL NORTH CAROLINA PROFESSIONAL ENGINEER WENDAN A. LEHAN</small>									
	<small>DIVISION 07 GUILFORD CO. HIGH POINT</small>		<small>PLAN DATE: June 2021 REVIEWED BY: BE LEHAN</small>										
	<small>PREPARED BY: DE FOWLER REVIEWED BY: NAME</small>		<table border="1" style="width: 100%;"> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		REVISIONS	INIT.	DATE						
	REVISIONS	INIT.	DATE										
<small>SCALE 0 250 1" = 250'</small>		<small>SIGNATURE DATE</small>											



- 1 INSTALL COMPOSITE CCTV CABLE
- 2 INSTALL LOW VOLTAGE POWER CABLE (24VAC)
- 3 INSTALL CATEGORY 5E CABLE
- 4 INSTALL SMFO CABLE
- 5 NOT USED
- 6 INSTALL FIBER-OPTIC DROP CABLE
- 7 INSTALL TRACER WIRE
- 8 TRENCH
- 9 INSTALL PVC CONDUIT
- 10 INSTALL RIGID, GALVANIZED STEEL CONDUIT
- 11 INSTALL RIGID, GALVANIZED STEEL RISER WITH WEATHERHEAD
- 12 INSTALL RIGID, GALVANIZED STEEL RISER WITH HEAT SHRINK TUBING
- 13 INSTALL HEAT SHRINK TUBING RETROFIT KIT
- 14 INSTALL HIGH DENSITY POLYETHYLENE CONDUIT
- 15 DIRECTIONAL DRILL CONDUIT
- 16 BORE AND JACK CONDUIT
- 17 INSTALL CABLE(S) IN EXISTING CONDUIT
- 18 INSTALL CABLE(S) IN NEW CONDUIT
- 19 INSTALL CABLE(S) IN EXISTING RISER(S)
- 20 INSTALL CABLE(S) IN NEW RISER(S)
- 21 INSTALL CABLE(S) IN EXISTING CABINET ENTRANCE
- 22 INSTALL NEW CONDUIT INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE)
- 23 INSTALL NEW RISER INTO CABINET BASE (USE EX CABINET ENTRANCE WHEN AVAILABLE)
- 24 INSTALL NEW CONDUIT INTO POLE MOUNTED CABINET
- 25 INSTALL NEW RISER INTO POLE MOUNTED CABINET
- 26 INSTALL DIGITAL VIDEO ENCODER
- 27 INSTALL NEW ETHERNET EDGE SWITCH IN CABINET
- 28 INSTALL INTERCONNECT CENTER, PATCH PANEL, JUMPERS, AND FUSION SPLICE CABLE IN CABINET
- 29 INSTALL UNDERGROUND SPLICE ENCLOSURE
- 30 INSTALL AERIAL SPLICE ENCLOSURE
- 31 INSTALL SPLICE CABINET
- 32 MODIFY EXISTING SPLICE ENCLOSURE OR INTERCONNECT CENTER
- 33 REMOVE EXISTING SPLICE /HUB /CCTV CABINET

- 34 INSTALL CABINET FOUNDATION
- 35 REMOVE EXISTING CABINET FOUNDATION
- 36 INSTALL CCTV CAMERA ASSEMBLY
- 37 INSTALL CCTV WOOD POLE
- 38 INSTALL STANDARD SIZE JUNCTION BOX
- 39 INSTALL SPECIAL-SIZED JUNCTION BOX
- 40 INSTALL OVER-SIZED JUNCTION BOX
- 41 REMOVE EXISTING JUNCTION BOX
- 42 INSTALL WOOD POLE
- 43 REMOVE EXISTING WOOD POLE
- 44 INSTALL AERIAL GUY ASSEMBLY
- 45 INSTALL STANDARD GUY ASSEMBLY
- 46 INSTALL SIDEWALK GUY ASSEMBLY
- 47 INSTALL MESSENGER CABLE
- 48 REMOVE EXISTING COMMUNICATIONS CABLE AND MESSENGER CABLE
- 49 REMOVE EXISTING COMMUNICATIONS CABLE
- 50 INSTALL WIRELESS DSL
- 51 INSTALL CABLE STORAGE GUIDE(S) [SNOW SHOE(S)] AND STORE 100 FEET OF EACH CABLE
- 52 INSTALL DELINEATOR MARKER
- 53A STORE 20 FEET OF COMMUNICATIONS CABLE (EACH CABLE)
- 53B STORE 50 FEET OF COMMUNICATIONS CABLE (EACH CABLE)
- 54 LASH CABLE(S) TO EXISTING SIGNAL/COMMUNICATIONS CABLE
- 55 LASH CABLE(S) TO EXISTING MESSENGER CABLE
- 56 LASH CABLE(S) TO NEW MESSENGER CABLE
- 57 MODIFY EXISTING ELECTRICAL SERVICE FOR CCTV
- 58 INSTALL NEW ELECTRICAL SERVICE FOR CCTV
- 59 INSTALL NEW POLE MOUNTED CCTV CABINET (336)
- 60 INSTALL NEW BUILDING MOUNTED CCTV CABINET (336)
- 61 REMOVE EXISTING CCTV CAMERA ASSEMBLY
- 62 NEW CABINET ENTRANCE INTO NEW FOUNDATION
- 63 DRILL /CORE DRILL EXISTING FOUNDATION
- 64 INTERCEPT AND REROUTE EXISTING CONDUITS
- 65 BOND MESSENGER TO POLE GROUND

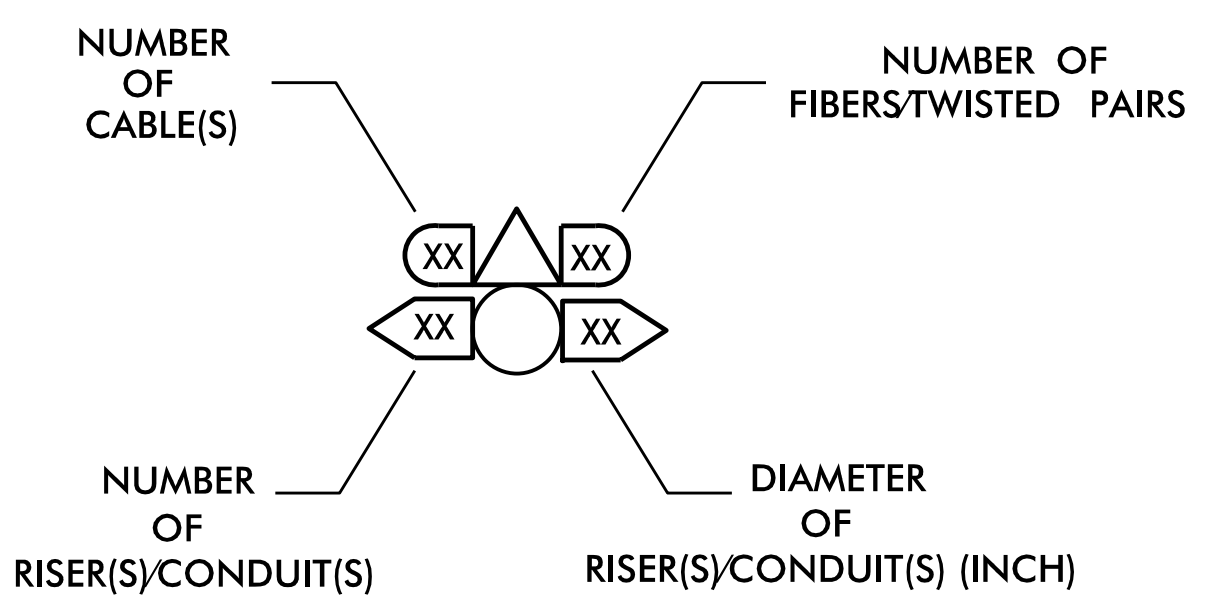
- 66 BOND RISER TO POLE GROUND
- 67 BOND TRACER WIRE TO EQUIPMENT GROUND BUS
- 68 INSTALL NEW COVER ON OVER-SIZED JUNCTION BOX
- 69 INSTALL NEW BASE MOUNTED CCTV CABINET (336-A)
- 70 INSTALL NEW POLE MOUNTED CCTV CABINET (NEMA TYPE 4)
- 71 HANDLASH AND INSTALL AERIAL CABLE PROTECTOR

**LEGEND**

- FO NEW FIBER OPTIC COMMUNICATIONS CABLE
- TWIST PR NEW TWISTED PAIR COMMUNICATIONS CABLE
- EXI EXISTING COMMUNICATIONS CABLE
- REM EXISTING COMMUNICATIONS CABLE TO BE REMOVED
- NEW AERIAL GUY ASSEMBLY
- NEW CONDUIT
- EXISTING CONDUIT
- DD NEW DIRECTIONAL DRILLED CONDUIT
- B&J NEW BORED AND JACKED CONDUIT
- NEW JUNCTION BOX
- EXISTING JUNCTION BOX
- NEW WOOD POLE
- EXISTING WOOD POLE
- AERIAL SPLICE ENCLOSURE
- NEW METAL POLE
- EXISTING METAL POLE
- NEW CCTV ASSEMBLY
- EXISTING CCTV ASSEMBLY
- NEW STANDARD GUY ASSEMBLY
- NEW SIDEWALK GUY ASSEMBLY
- SIGNAL INVENTORY NUMBER
- NEW CABLE STORAGE RACKS (SNOW SHOES)
- EXISTING CABLE STORAGE RACK (SNOW SHOE)
- EXISTING CONTROLLER AND CABINET
- NEW CCTV CABINET
- EXISTING SPLICE CABINET
- NEW SPLICE CABINET
- SIGNAL POLE
- FLAT PANEL ANTENNA (SINGLE)
- YAGI ANTENNA (DOUBLE) FOR REPEATER OPERATION
- YAGI ANTENNA (SINGLE)
- OMNI ANTENNA

**CONSTRUCTION NOTE SYMBOLOGY KEY**

- XX INDICATES NUMBER OF CABLES, LOOPS, ETC.
- XX INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.
- XX INDICATES NUMBER OF RISER(S)/CONDUIT(S)
- XX INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (INCH)



**ATTACHMENT POINT:**

- XX"SS / YYY DISTANCE ABOVE (IN)/ATTACHMENT POINT REFERENCE POINT
- YYY / XX"SS REFERENCE POINT DISTANCE BELOW (IN)/ATTACHMENT POINT

- "SS" REFERENCE LOCATION**
- FS = FRONT SIDE OF POLE
  - BS = BACK SIDE OF POLE

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

**MOTT MACDONALD**  
 7621 Purfoy Road  
 Suite 115  
 Fuquay-Varina, NC 27526  
 www.mottmac.com  
 License No. F-0669

Prepared for the Offices of:  
 Planning, Mobility and Signal Division  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 750 Greenfield Parkway, Garner, NC 27529  
 SCALE

**HIGH POINT SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS**

DIVISION 07 GUILFORD CO. HIGH POINT

PLAN DATE: June 2021 REVIEWED BY: BE LEHAN

PREPARED BY: DE FOWLER REVIEWED BY:

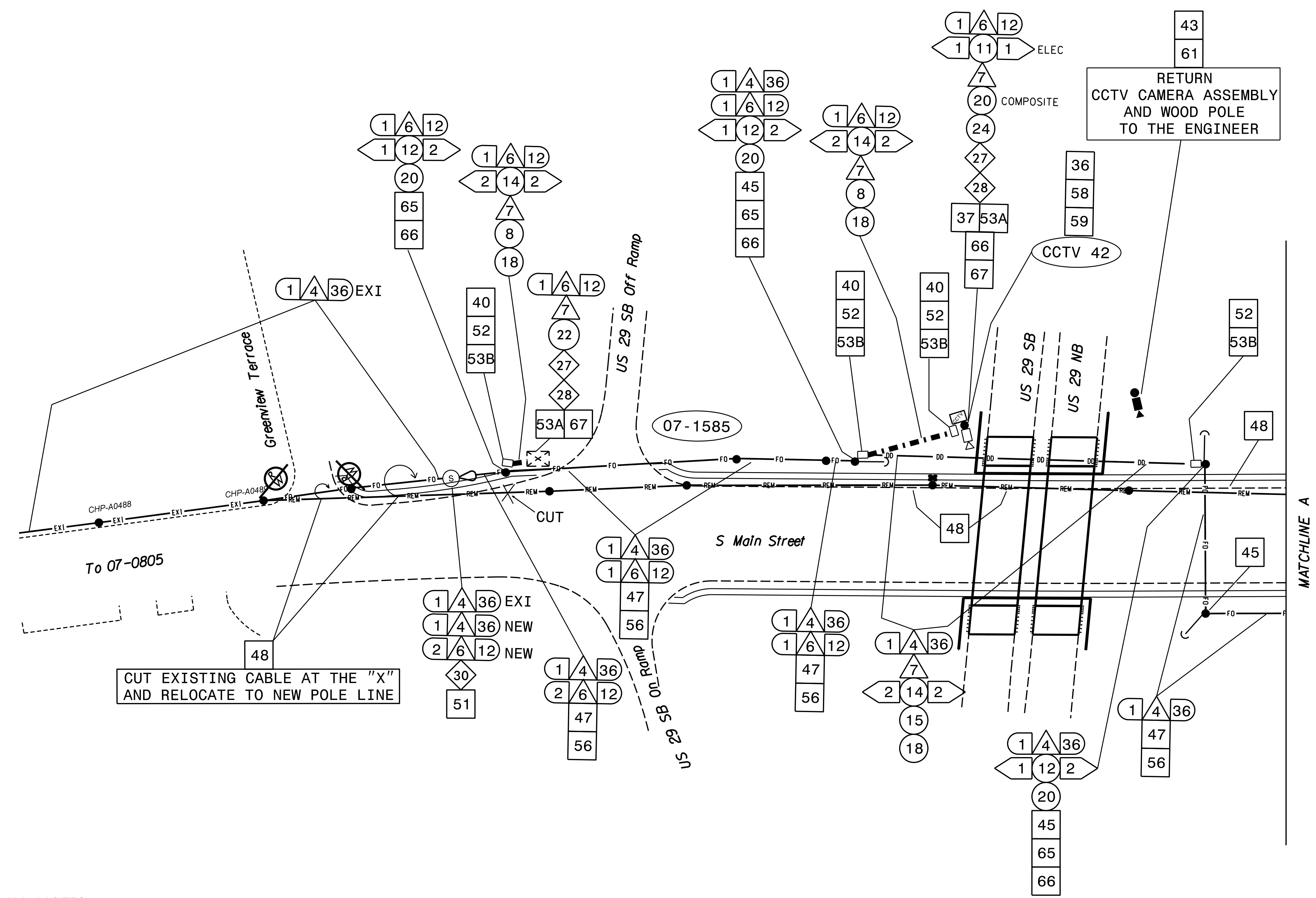
REVISIONS	INIT.	DATE

SEAL

BRENDAN A. LEHAN  
 ENGINEER  
 SEAL 045256  
 NORTH CAROLINA PROFESSIONAL ENGINEER

DATE

\*\*\*\*\*SYTIME\*\*\*\*\*  
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**CONSTRUCTION PLAN NOTES:**

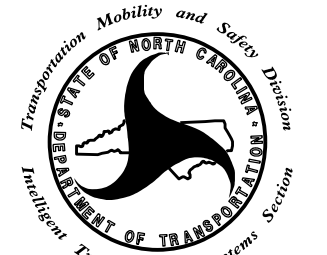
- 1) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF HIGH POINT'S SIGNAL SYSTEM ENGINEER, JAMES BAKER AT (336) 883-8540 TO ARRANGE FOR THE CITY OF HIGH POINT TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEM ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND OPERATIONAL
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- GENERAL NOTES:**
1. UNLESS OTHERWISE NOTED:
    - OVERLASH NEW FIBER OPTIC CABLE TO EXISTING COMMUNICATIONS CABLE.
    - ATTACH NEW MESSENGER CABLE 40" BELOW POWER, UNLESS NOTED OTHERWISE.
    - ATTACH ON FRONT SIDE (FS) OF POLE.
  2. SEAL ALL CONDUIT ENDS WITH DUCT AND CONDUIT SEALER, AT ALL JUNCTION BOX / CABINET ENTRANCES.
  3. AFTER CUT OVER TO NEW FIBER OPTIC TRUNK LINE, REMOVE EXISTING JUNCTION BOXES AND BACK FILL WITH AN APPROVED MATERIAL. ABANDON EXISTING CONDUIT IN PLACE.

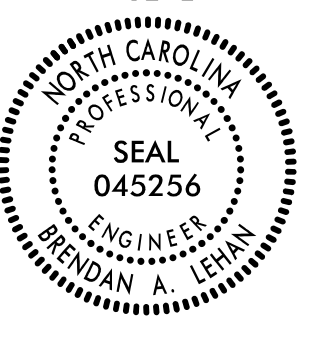
Temporary Phase 1

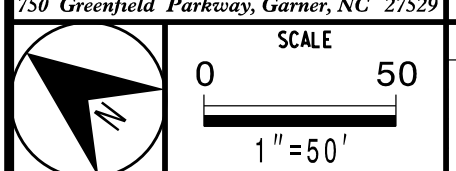
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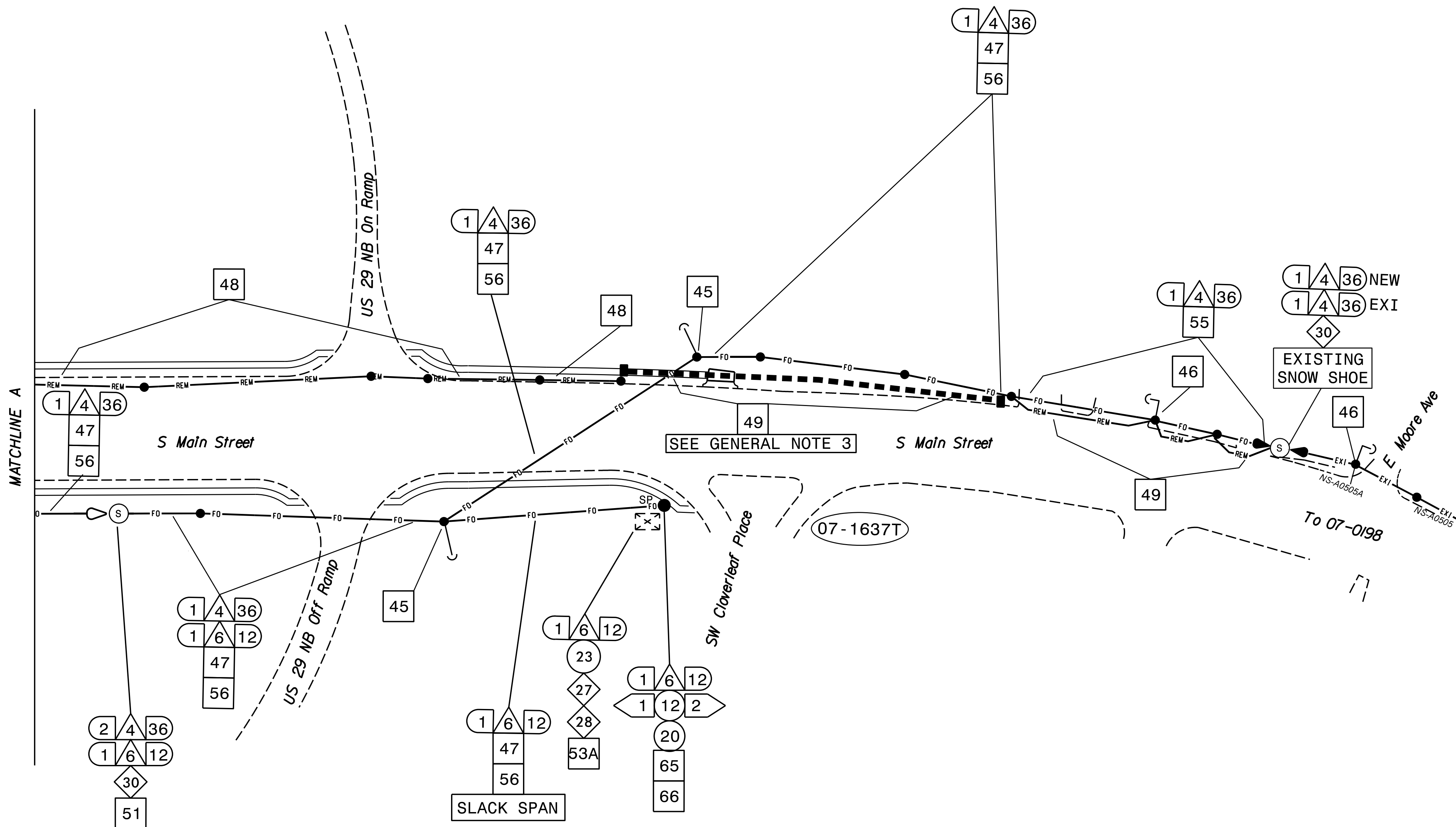
Prepared for the Offices of:  
  
 TRANSPORTATION SYSTEMS  
 750 Greenfield Parkways, Garner, NC 27529

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DIVISION 07		GUILFORD CO. HIGH POINT	
PLAN DATE: June 2021	REVIEWED BY: BE LEHAN		
PREPARED BY: DE FOWLER	REVIEWED BY:		
REVISIONS	INIT.	DATE	

SEAL  
  
 ENGINEER  
 BRENDAN A. LEHAN



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Temporary Phase 1

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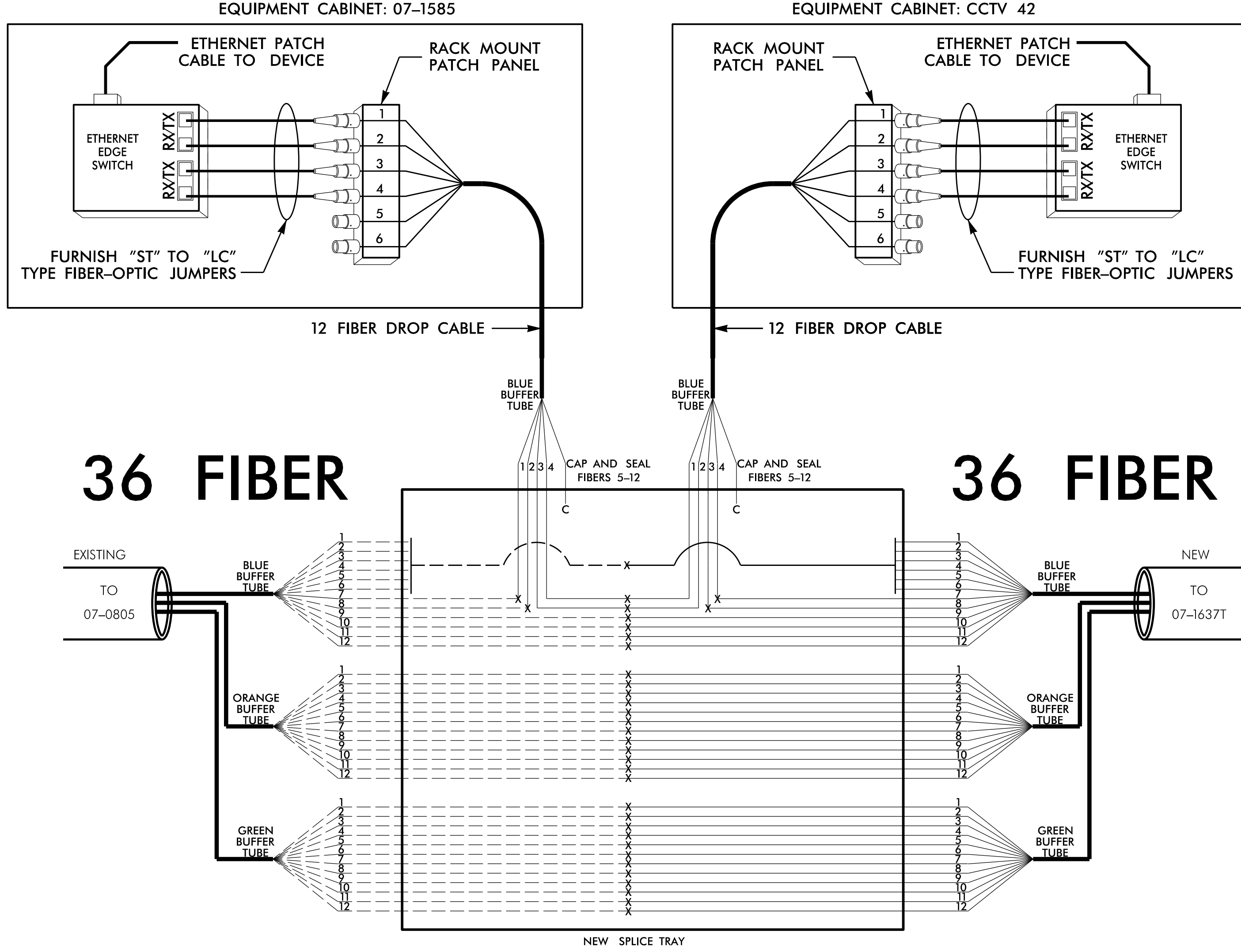
<p><b>MOTT MACDONALD</b> 7621 Purfoy Road Suite 115 Fayetteville, NC 27526 www.mottmac.com License No. F-9689</p>	<p>Prepared for the Offices of:</p> <p>750 Greenfield Parkways, Garner, NC 27529</p>	<p><b>HIGH POINT SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS</b></p>		<p>SEAL</p> <p>BRANDON A. LEHAN ENGINEER SEAL 045256</p>				
		<p>DIVISION 07    GUILFORD CO.    HIGH POINT</p> <p>PLAN DATE: FEBRUARY 2021    REVIEWED BY: BE LEHAN</p> <p>PREPARED BY: DE FOWLER    REVIEWED BY:</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">REVISIONS</th> <th style="width: 25%;">INIT.</th> <th style="width: 25%;">DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE
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NEW AERIAL SPLICE ENCLOSURE  
S. MAIN STREET AT US 29 SB RAMPS  
SIG. INV. # 07-1585 & CCTV #42

Notes:  
Unused fibers left coiled and stored in splice tray.  
Unused Buffer Tubes left coiled and stored in splice tray.



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4) INCLUDE ON THE COVER OF EACH SPLICE TRAY THE FOLLOWING: REFERENCE SECTION 1731 "FIBER OPTIC SPLICE ENCLOSURE"

- 1) SPLICE LOCATION
- 2) DATE
- 3) COMPANY NAME
- 4) NAME OF INDIVIDUAL PERFORMING THE SPLICING

PRIOR TO INSTALLING THE COVER ON THE SPLICE TRAY TAKE A DIGITAL PHOTOGRAPH SHOWING THE SPLICE TRAY AND INFORMATION SHOWN ABOVE (1-4) AND SUBMIT PHOTOGRAPH ALONG WITH OTDR TEST RESULTS.

COLOR CODE  
TIA/EIA 598-A

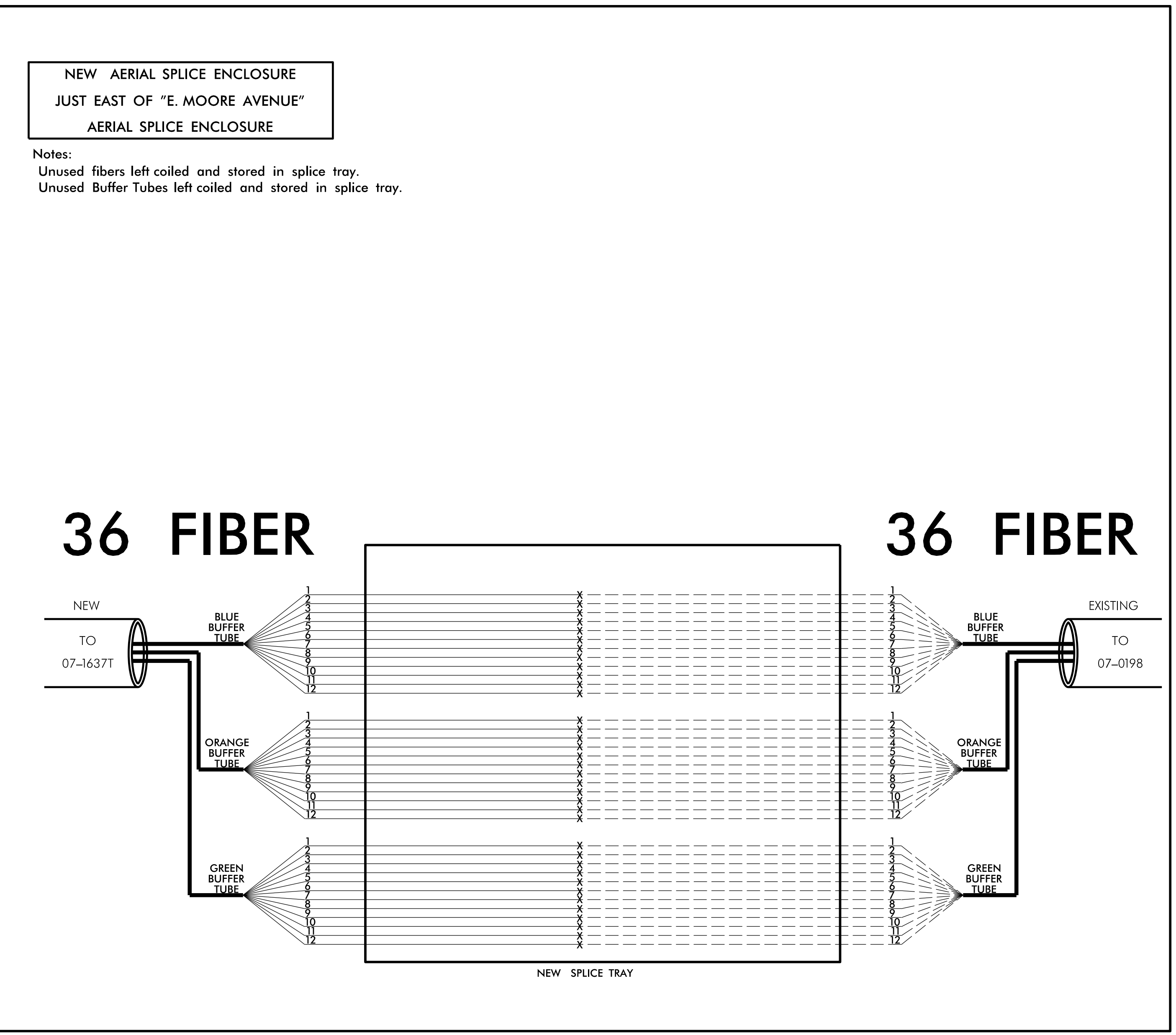
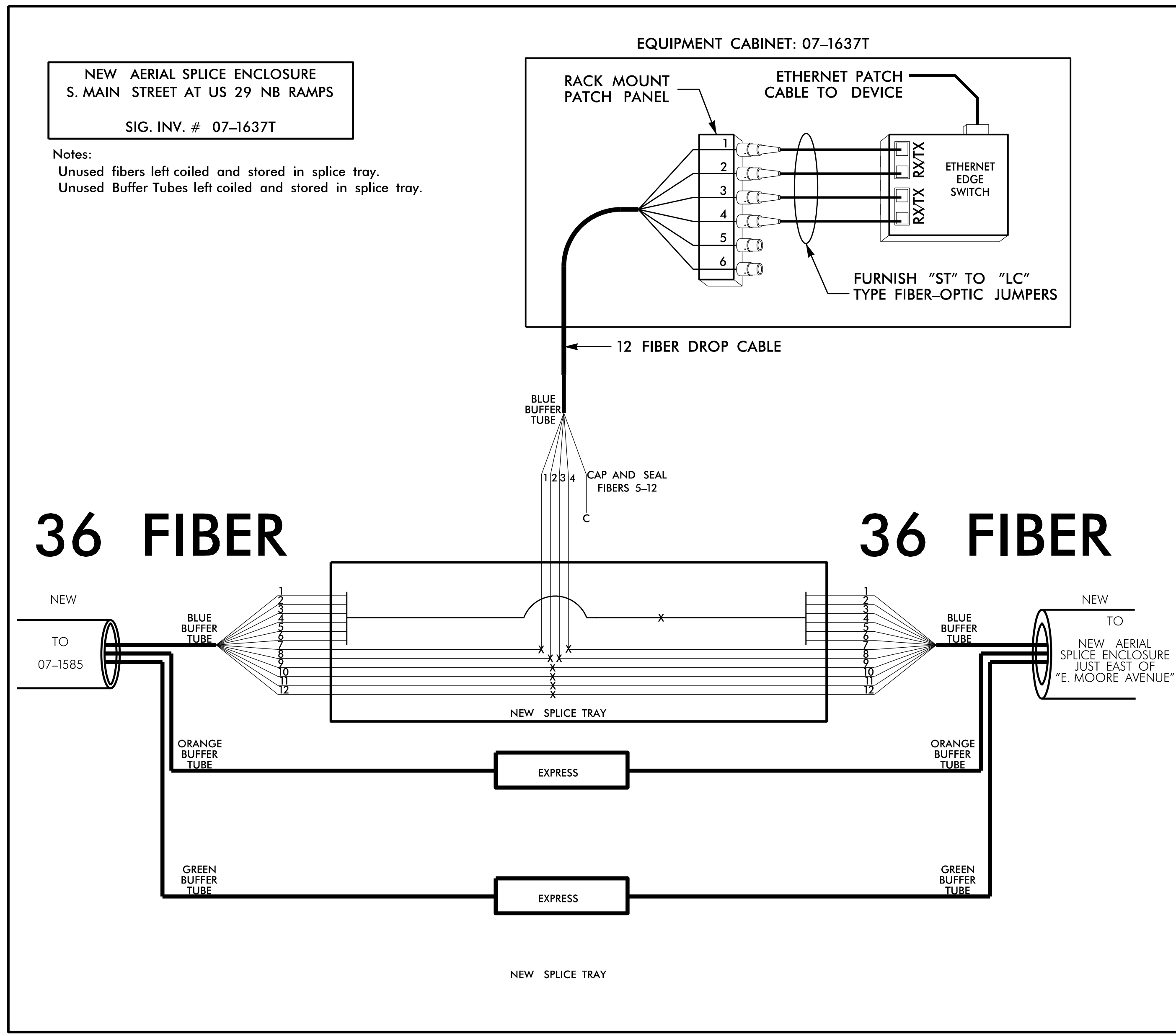
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X = FUSION SPLICE  
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Temporary Phase 1

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 <b>MOTT MACDONALD</b> 7621 Purfoy Road Suite 115 Fuquay-Varina, NC 27526 www.mottmac.com License No. F-0669		<b>HIGH POINT SIGNAL SYSTEM SPLICE DETAIL</b>								
		DIVISION 07 GUILFORD CO. HIGH POINT PLAN DATE: FEBRUARY 2021 REVIEWED BY: BE LEHAN PREPARED BY: DE FOWLER REVIEWED BY:	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>INIT.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS	INIT.	DATE				
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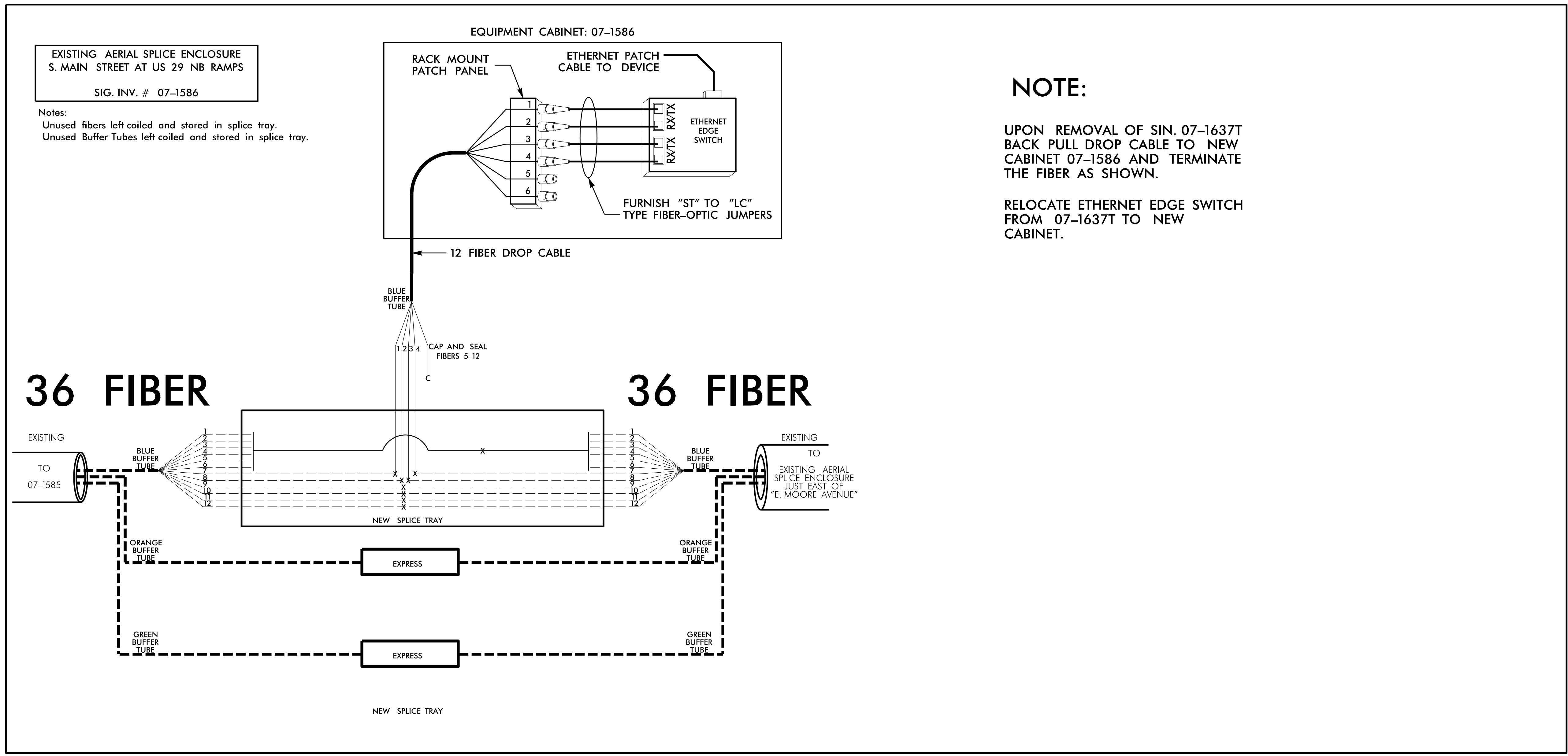
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		<p>DIVISION 07 GUILFORD CO. HIGH POINT</p>		
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**NOTE:**

UPON REMOVAL OF SIN. 07-1637T BACK PULL DROP CABLE TO NEW CABINET 07-1586 AND TERMINATE THE FIBER AS SHOWN.

RELOCATE ETHERNET EDGE SWITCH FROM 07-1637T TO NEW CABINET.

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		DIVISION 07 GUILFORD CO. HIGH POINT		
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