

CONDUCTOR/BUS AMPACITIES	
CONDUCTOR	APPROX. CURRENT CARRYING CAPACITY* AMPERES
TUBING, 4" NPS SCH. 80 AL	3720
TUBING, 3" NPS SCH. 80 AL	2760
TUBING, 2" NPS SCH. 80 AL	1700
TUBING, 4" NPS SCH. 40 AL	3165
TUBING, 3" NPS SCH. 40 AL	2425
TUBING, 2" NPS SCH. 40 AL	1465
AAC, 1272 kcmil, 61 STD.	1200
AAC, 795 kcmil, 61 STD.	900
ACSR, 335.4 kcmil, 18/1	530
ACSR, 4/0 AWG, 6/1	340
ACSR, 1/0 AWG, 6/1	230
COPPER, 1000 kcmil, 61 STD.	1285
COPPER, 750 kcmil, 61 STD.	1075
COPPER, 500 kcmil, 37 STD.	830
COPPER, 4/0 AWG, 7 STD.	480
COPPER, 2/0 AWG, 7 STD.	355
COPPER, #2 AWG, SOLID	231
UABC, 4" x 4" x 3/8"	3125
UABC, 4" x 4" x 1/4"	2625
UABC, 3 1/4" x 3 1/4" x 1/4"	2340
AL BAR 3" x 1/2"	1350
AL BAR 3" x 1/4"	938

* AC 60 HZ, 40° C AMBIENT, 50° C RISE HORIZONTAL ORIENTATION, OUTDOORS, WIND = 2 FPS

BOLT TORQUING TABLE		
DIAMETER BOLT (INCHES)	RECOMMENDED TORQUE NON-LUBRICATED STEEL & SILICON BRONZE HARDWARE (FOOT*LB)	RECOMMENDED TORQUE LUBRICATED HARDWARE & ALUMINUM HARDWARE (FOOT*LB)
1/2"	40	25
5/8"	55	40
3/4"	70	60

STATION DESIGN DATA								
STRUCTURE, APPARATUS AND LIGHTNING ARRESTERS ARE ALL GROUNDED TO THE SAME GROUNDING SYSTEM. STATION DESIGNED FOR THE FOLLOWING ELECTRICAL CLEARANCES/SPACINGS:								
RATED BIL KV	BIL KV	RIGID BUS CONDUCTORS (IEEE, NEMA, NESC)			GROUP-OPERATED SWITCHES (NEMA)			
		PHASE TO PHASE TO GROUND (1)	METAL TO METAL (2)	PHASE TO GROUND (3)	CLEARANCE ABOVE GROUND (4)	HORN GAP VERT. HOR. BREAK	DISCONNECT VERTICAL HORIZONTAL BREAK	DISCONNECT HORIZONTAL BREAK
230	900	11'-0"	7'-5"	6'-8"	15'-0"	16'-0"	11'-0"	16'-0"
115	550	7'-0"	4'-5"	3'-9"	12'-0"	10'-0"	7'-0"	11'-0"

NOTES:
 1. "CLEARANCE" IS DEFINED AS A SURFACE-TO-SURFACE MEASUREMENT.
 2. "SPACING" IS DEFINED AS A & TO & MEASUREMENT.
 3. INTENDED FOR PHASES ORIENTED IN PARALLEL RUNS.
 4. INTENDED FOR NON-PARALLEL POINTS OF CROSSING.
 5. EXCEEDS MINIMUM CLEARANCES TO MATCH NEMA STANDARD POST INSULATOR DIMENSIONS.
 6. ROUNDED UP TO THE NEAREST EVEN FOOT, PER NESC (1990).
 DEADEND STRUCTURE(S) SHALL WITHSTAND 0' TO 15' LINE TAKE-OFF IN ANY DIRECTION WITH A DESIGN LINE TENSION OF 2500 POUNDS PER CONDUCTOR. A MINIMUM VERTICAL CLEARANCE OF 8'-6" SHALL BE MAINTAINED FOR ANY SURFACE OF INTERMEDIATE POTENTIAL SUCH AS LIGHTNING ARRESTERS, UNGROUNDED SURFACES, BUSHINGS, AS PER NESC RULE 124.A.3.

NOTES

- ALL PROPERTY SURVEY INFORMATION PROVIDED BY GREENVILLE UTILITIES COMMISSION FROM SPRULL & ASSOCIATES INC
- ALL NEW STRUCTURES/EQUIPMENT, FENCE CORNERS, GATES ETC. ARE TO BE DIMENSIONED FROM A NEW HUB TO BE SET AND LOCATED AS SHOWN ON THIS DRAWING. IT IS TO BE LOCATED AT THE POINT THAT IS THE INTERSECTION BETWEEN THE EXISTING PROPERTY LINE AND THE CENTER OF THE DUKE PROGRESS RIGHT OF WAY.

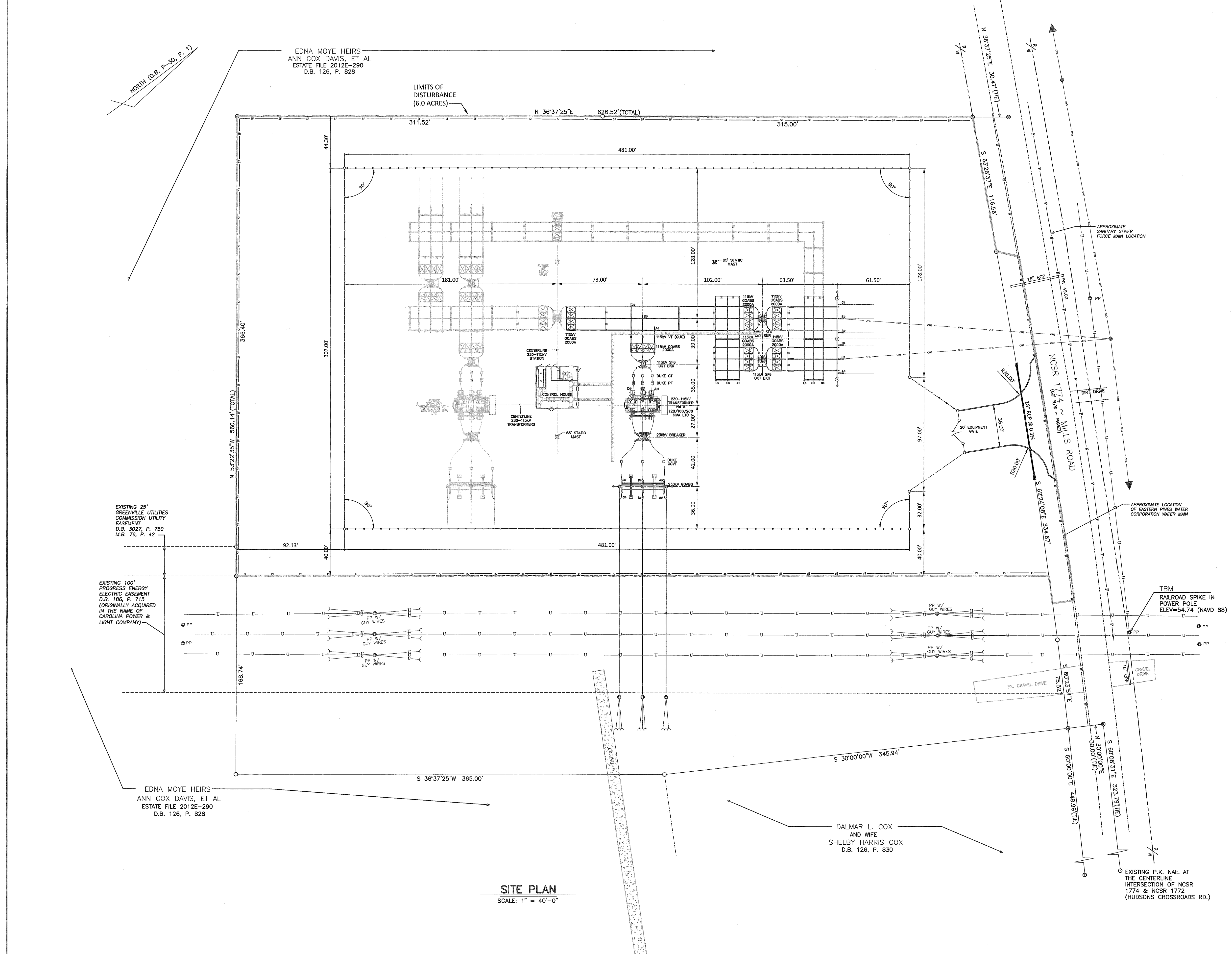
LEGEND

—	PROPERTY LINE	—100—	LIMITS OF DISTURBANCE
—○—	NEW GUC FENCE	—U—	OVERHEAD UTILITY LINE
—	UTILITY RIGHT OF WAY	—●—	EXISTING RAILROAD SPIKE
—	EASEMENT	—○—	EXISTING IRON PIPE
—○—	OVERHEAD CIRCUIT	—○—	EXISTING P.K. NAIL
—	SEWER MAIN	—●—	EXISTING IRON BAR
—SF—	SILT FENCE	—PP—	POWER POLE
—W—	WATER MAIN	—R/W—	RIGHT OF WAY

REFERENCES

PLAN VIEW	14022S2
SECTIONS	14022S3-S4
DETAILS	14022S5
FOUNDATION PLAN	14022FP1
GROUNDING PLAN	14022G1
CONDUIT/CABLE & TRENCH PLAN	14022CP1
CONTROL HOUSE PLAN & DETAILS	14022CH1

	GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA	
	GREENVILLE POD #3 230KV TO 115KV SUBSTATION SITE PLAN	
	Booth & Associates, LLC <small>981 Glenwood Avenue Raleigh, NC 27602 CONTACT: 919.876.8818 FAX: 919.876.8819</small>	
DWN, JRT	DATE: 03/01/16	DWG. NO.
A INITIAL DESIGN	03/01/16	PKD, MLC
NO. REVISIONS	DATE	SCALE: 1"=40'
		APPD. MLC
		PLOT: 1:1
		S1
		14022S1



SITE PLAN
SCALE: 1" = 40'-0"

EDNA MOYE HEIRS
ANN COX DAVIS, ET AL
ESTATE FILE 2012E-290
D.B. 126, P. 928

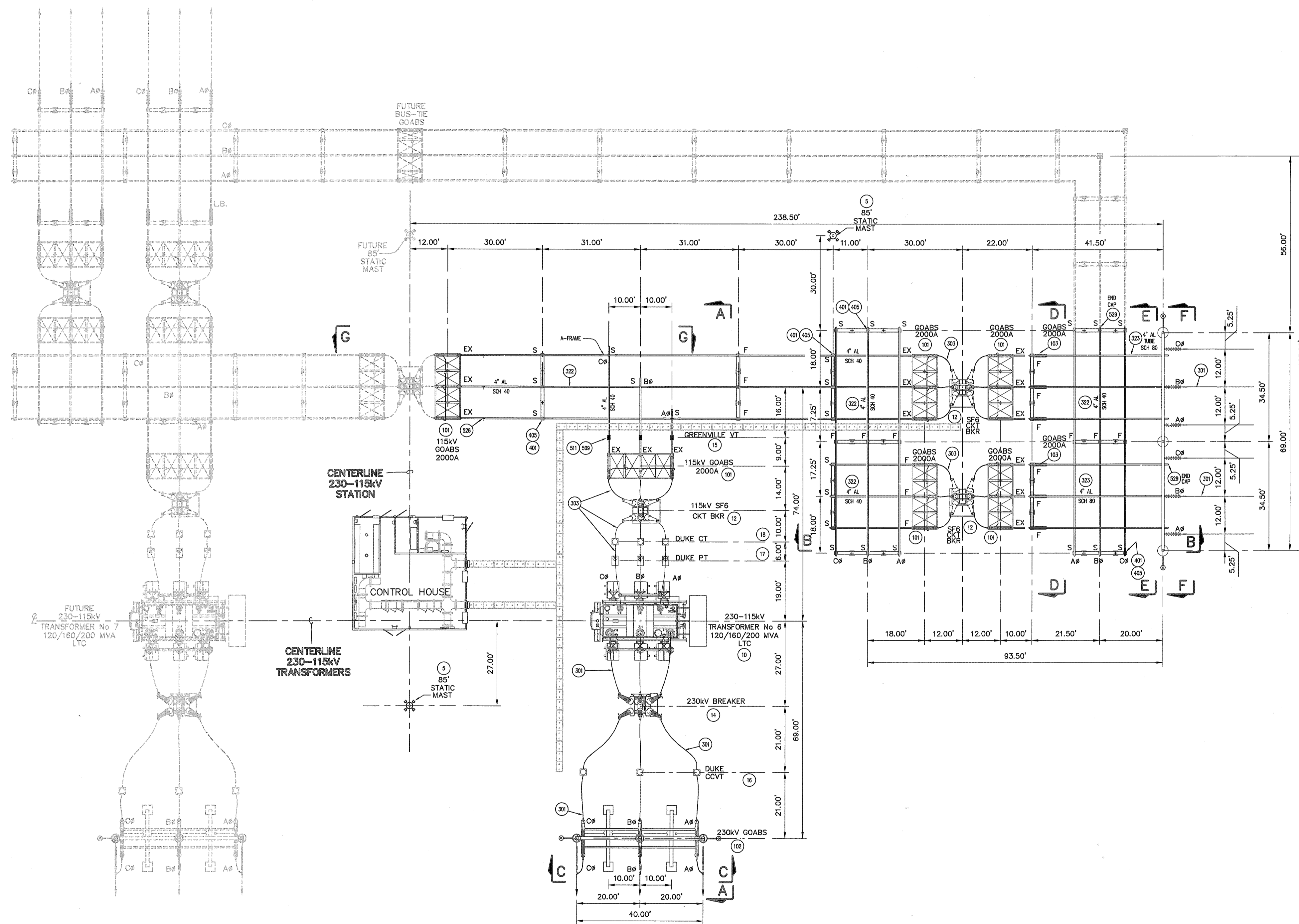
LIMITS OF DISTURBANCE
(6.0 ACRES)

EXISTING 25' GREENVILLE UTILITIES COMMISSION UTILITY EASEMENT
D.B. 3027, P. 750
M.B. 76, P. 42

EXISTING 100' PROGRESS ENERGY ELECTRIC EASEMENT
D.B. 186, P. 715
(ORIGINALLY ACQUIRED IN THE NAME OF CAROLINA POWER & LIGHT COMPANY)

EDNA MOYE HEIRS
ANN COX DAVIS, ET AL
ESTATE FILE 2012E-290
D.B. 126, P. 828

DALMAR L. COX
AND WIFE
SHELBY HARRIS COX
D.B. 126, P. 830



INSTALLATION NOTES:

1. ALL ALUMINUM TUBE CONDUCTORS OVER 20 FEET IN LENGTH SHALL INCLUDE APPROPRIATE DAMPING TO PREVENT AEOLIAN VIBRATIONS. DAMPING TO BE ACCOMPLISHED BY INSERTING A LENGTH OF 795 ACSR CONDUCTOR INSIDE EACH SECTION OF TUBING OVER SPECIFIED LENGTH.
2. TO PREVENT EXCESSIVE INTERNAL CONDENSATION ALUMINUM TUBE CONDUCTORS SHALL INCLUDE WEEP HOLES AT THE BOTTOM OF HORIZONTAL AND VERTICAL RUNS.
3. LOCATE A 10' STATIC MAST ON TRANSMISSION POLE.

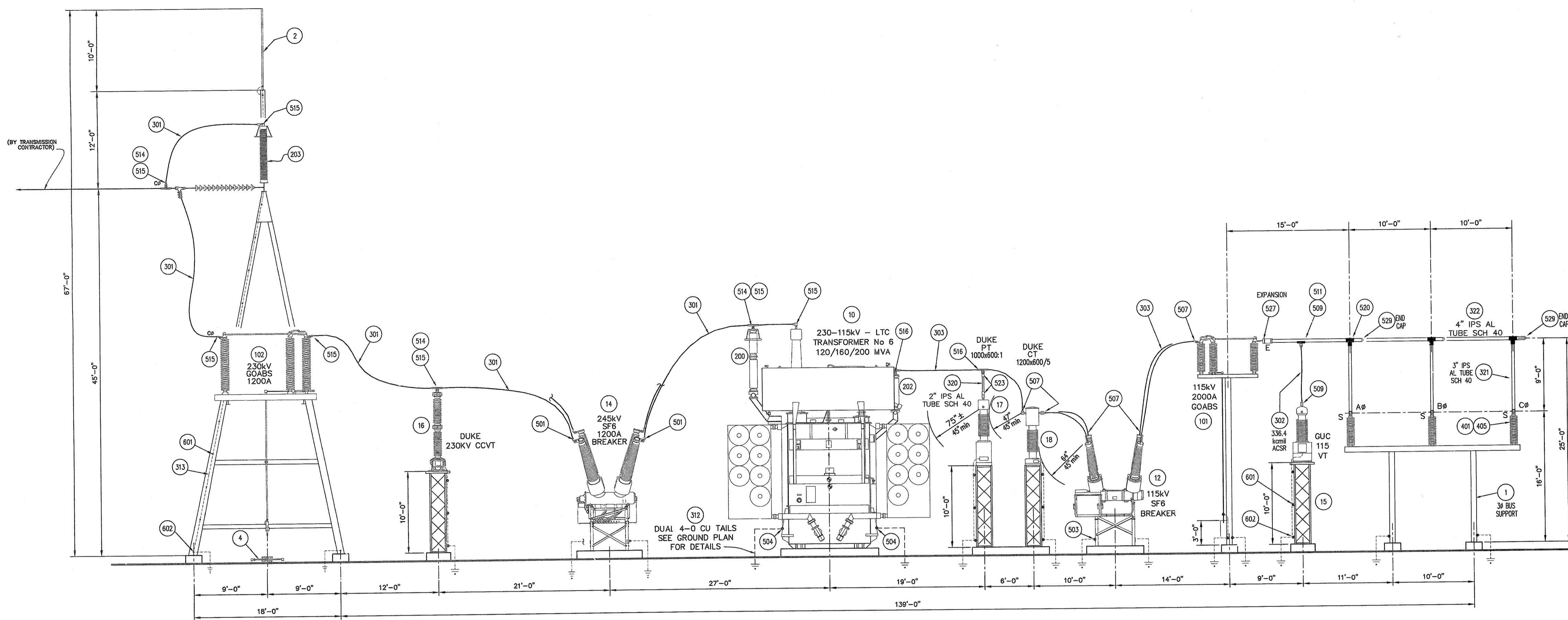
LEGEND

- NEW STRUCTURES/EQUIPMENT TO BE INSTALLED
- FUTURE STRUCTURES/EQUIPMENT TO BE INSTALLED AT LATER DATE

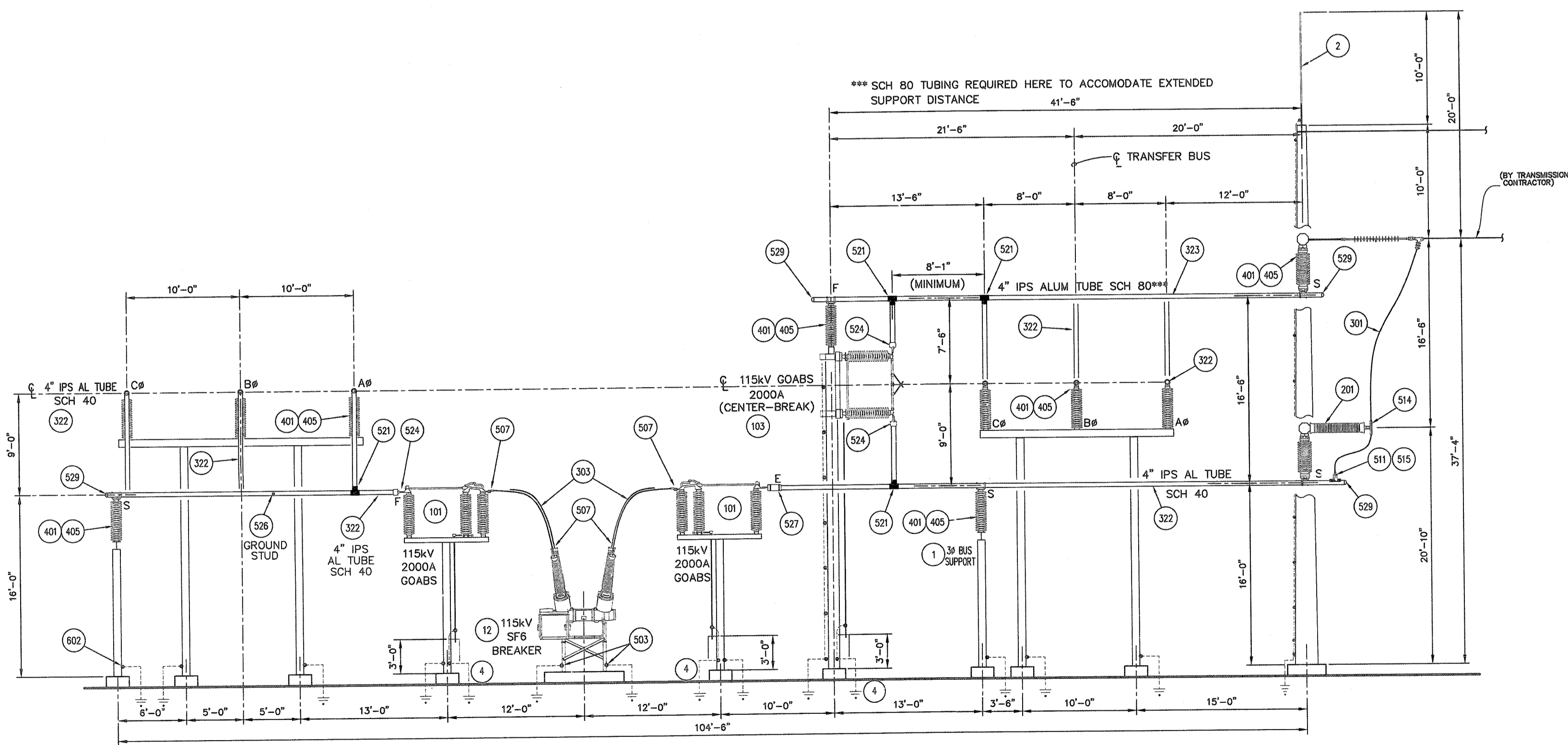
REFERENCE

SITE PLAN _____ 1402251

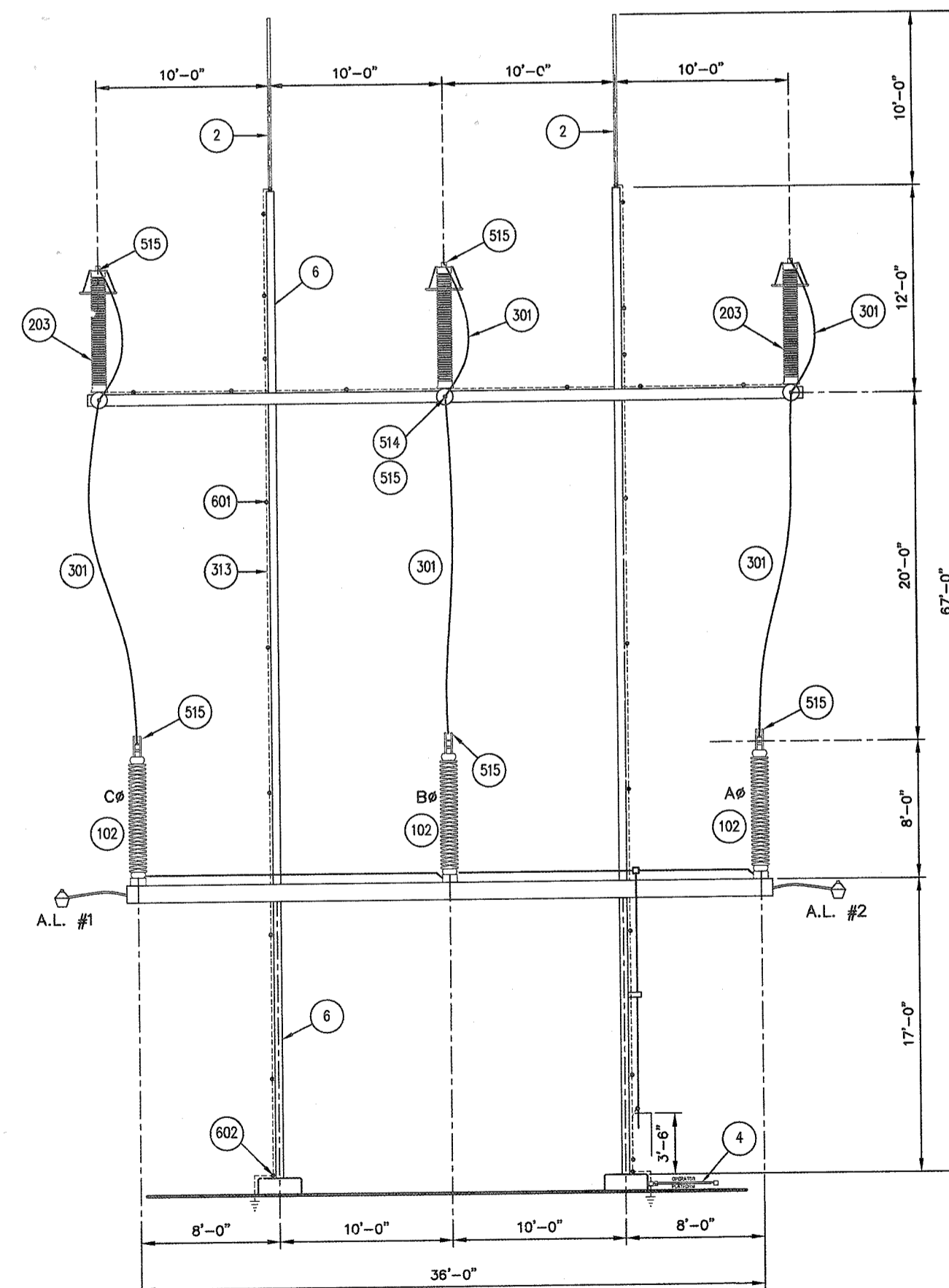
	GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA		
	GREENVILLE POD #3 230KV TO 115KV SUBSTATION PLAN VIEW		
	Booth & Associates, LLC <small>981 Cleveland Avenue Raleigh, NC 27612 CONSULTING ENGINEERS NCEP # 6591</small>		
	DWN, JRT	DATE: 03/01/16	DWG. NO.
3/1/16	CHKD. MLC	APPD. MLC	S2
NO.	REVISIONS	DATE	SCALE: 1"=20'
			PLOT: 1:1
			1402252



SECTION A-A
SCALE: 1/8" = 1'-0"



SECTION B-B
SCALE: 1/8" = 1'-0"



SECTION C-C
SCALE: 1/8" = 1'-0"

INSTALLATION NOTES:

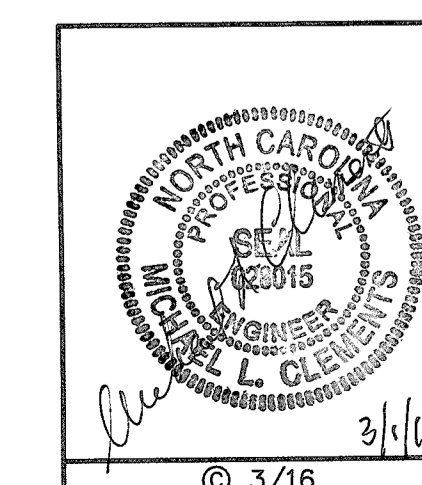
1. ALL ALUMINUM TUBE CONDUCTORS OVER 20 FEET IN LENGTH SHALL INCLUDE APPROPRIATE DAMPING TO PREVENT AEOLIAN VIBRATIONS. DAMPING TO BE ACCOMPLISHED BY INSERTING A LENGTH OF 795 ACSR CONDUCTOR INSIDE EACH SECTION OF TUBING OVER SPECIFIED LENGTH.
2. TO PREVENT EXCESSIVE INTERNAL CONDENSATION ALUMINUM TUBE CONDUCTORS SHALL INCLUDE WEEP HOLES AT THE BOTTOM OF HORIZONTAL AND VERTICAL RUNS.
3. SEE GROUNDING PLAN FOR LOCATION OF SWITCH OPERATOR PLATFORMS

SUPPORT LEGEND

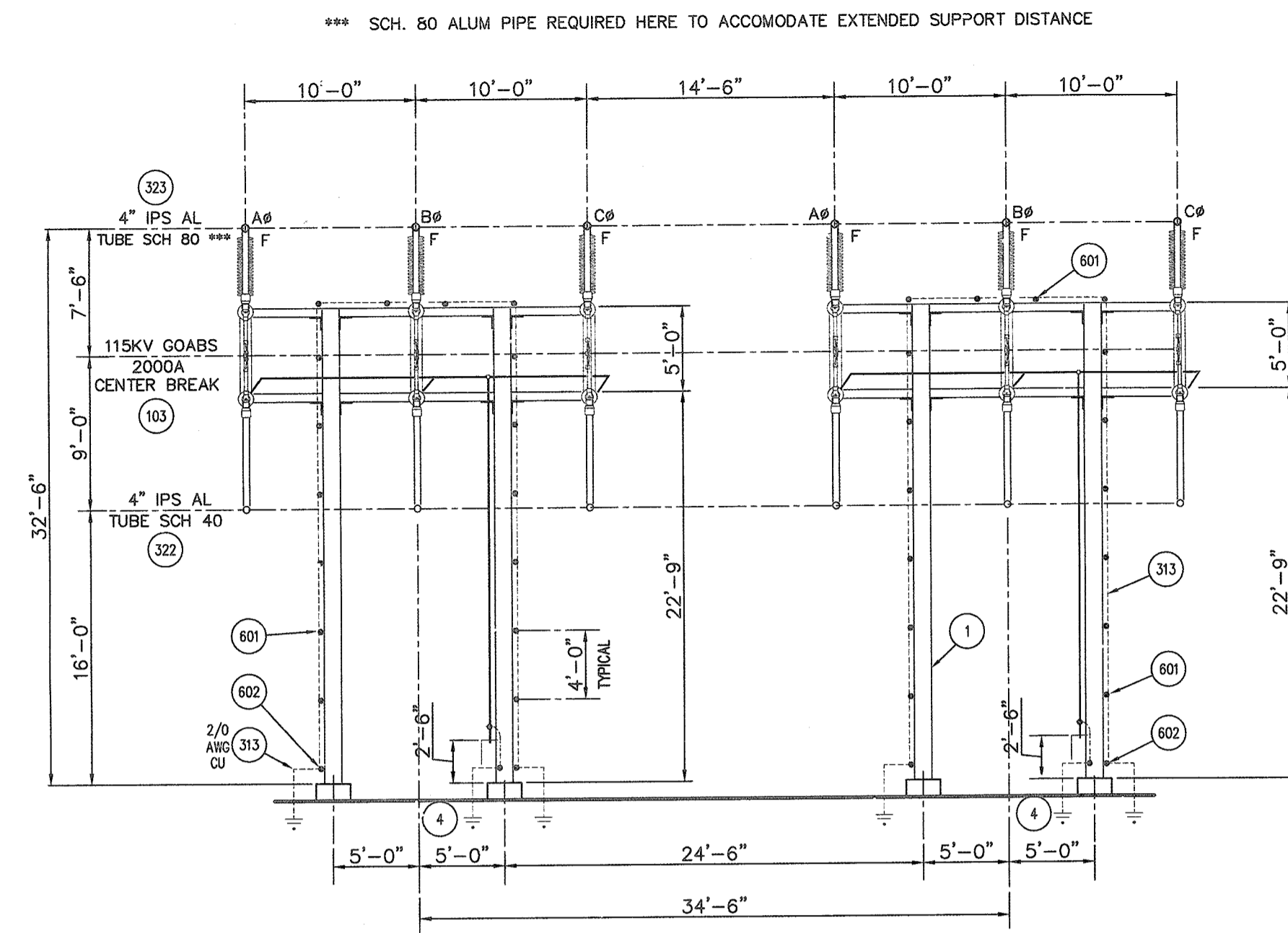
- S INDICATES A BUS SUPPORT WITH A SLIP FIT (NOT WELDED, CLAMPED OR CRIMPED).
- F INDICATES A FIXED BUS SUPPORT WITH A NON-SLIP FIT.
- E INDICATES A BUS SUPPORT OR TERMINAL WITH EXPANSION CAPABILITY.

REFERENCE

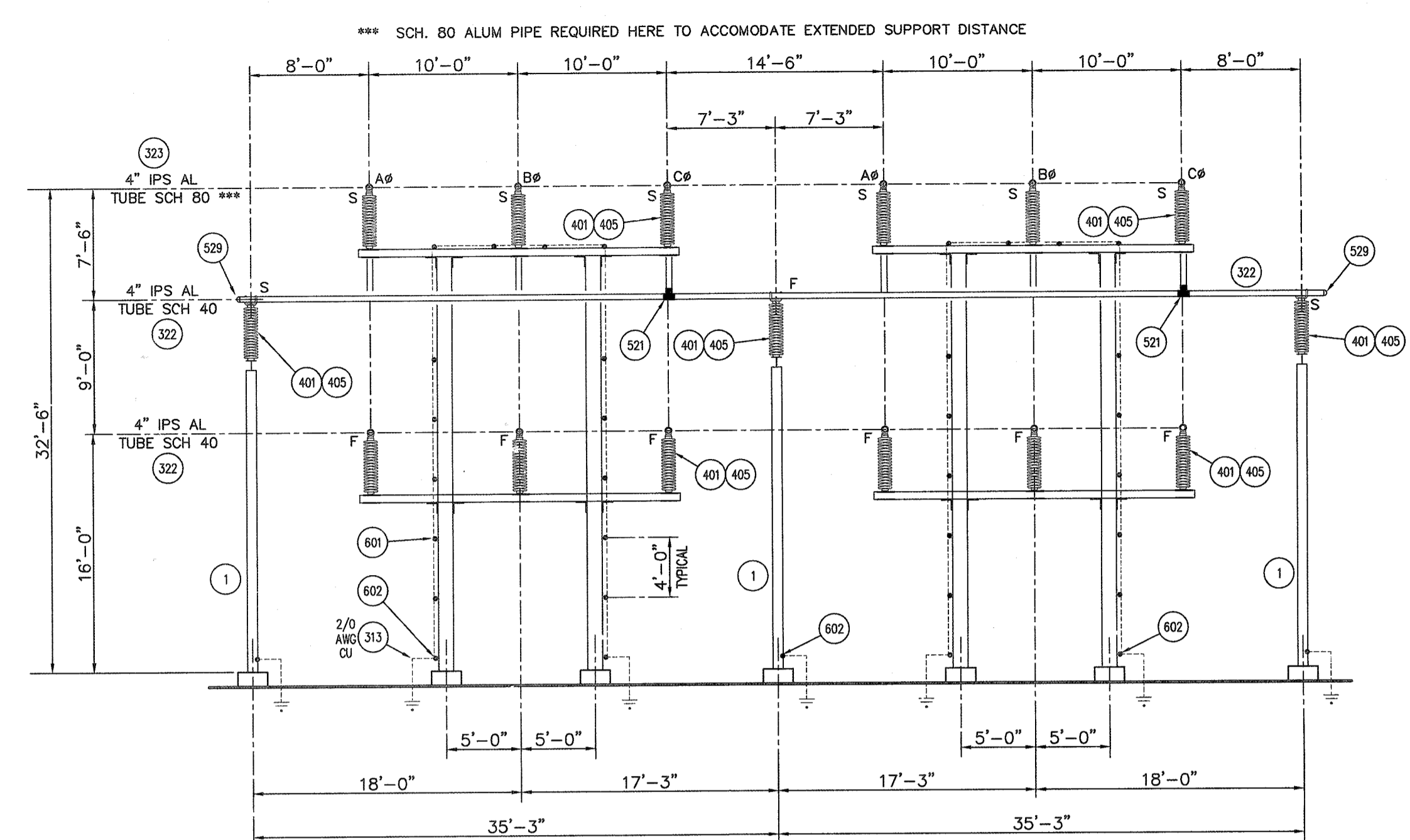
SITE PLAN	14022S1
PLAN VIEW	14022S2
SECTIONS	14022S4
DETAILS	14022S5



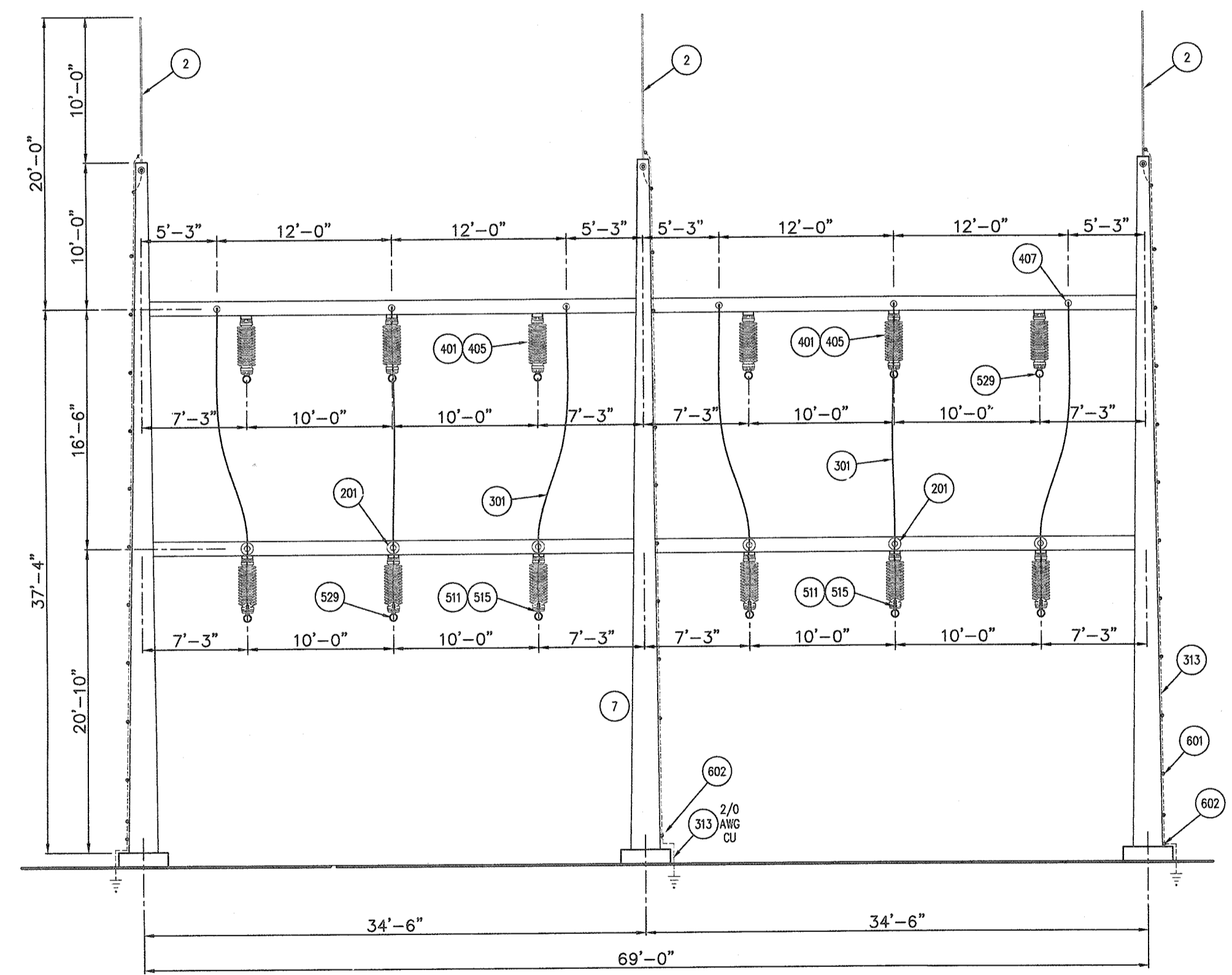
GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA			
GREENVILLE POD #3 230KV TO 115KV SUBSTATION SECTIONS			
Booth & Associates, LLC <small>881 Clarendon Avenue Raleigh, NC 27603 CONSULTING ENGINEERS NO. P-5091</small>			
A	INITIAL DESIGN	03/01/16	DWN. JRT
	CKD. MLC	03/01/16	DATE: 03/01/16
	APPD. MLC		APPD. MLC
	DATE	SCALE: 1/8"=1'-0"	PLT: 1:1
	NO. REVISIONS		DWG. NO. S3
			14022S3



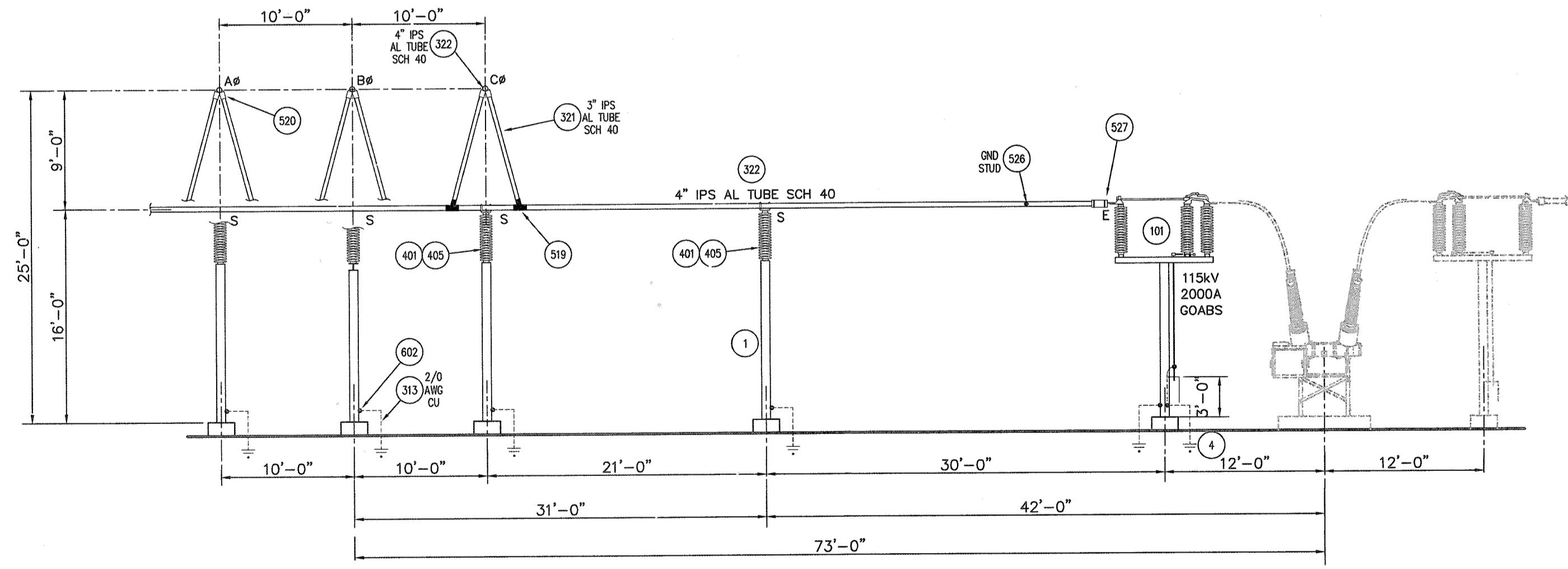
SECTION D-D
SCALE: 1/8" = 1'-0"



SECTION E-E
SCALE: 1/8" = 1'-0"



SECTION F-F
SCALE: 1/8" = 1'-0"



SECTION G-G
SCALE: 1/8" = 1'-0"

INSTALLATION NOTES:

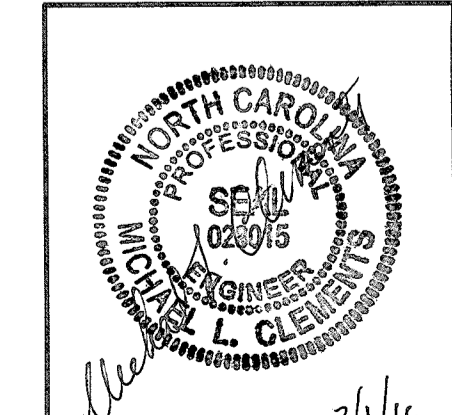
- ALL ALUMINUM TUBE CONDUCTORS OVER 20 FEET IN LENGTH SHALL INCLUDE APPROPRIATE DAMPING TO PREVENT AEOLIAN VIBRATIONS. DAMPING TO BE ACCOMPLISHED BY INSERTING A LENGTH OF 795 ACSR CONDUCTOR INSIDE EACH SECTION OF TUBING OVER SPECIFIED LENGTH.
- TO PREVENT EXCESSIVE INTERNAL CONDENSATION ALUMINUM TUBE CONDUCTORS SHALL INCLUDE WEEP HOLES AT THE BOTTOM OF HORIZONTAL AND VERTICAL RUNS.

SUPPORT LEGEND

- S INDICATES A BUS SUPPORT WITH A SLIP FIT (NOT WELDED, CLAMPED OR CRIMPED).
 F INDICATES A FIXED BUS SUPPORT WITH A NON-SLIP FIT.
 E INDICATES A BUS SUPPORT OR TERMINAL WITH EXPANSION CAPABILITY.

REFERENCE

- SITE PLAN 14022S1
 PLAN VIEW 14022S2
 SECTIONS 14022S3
 DETAILS 14022S5



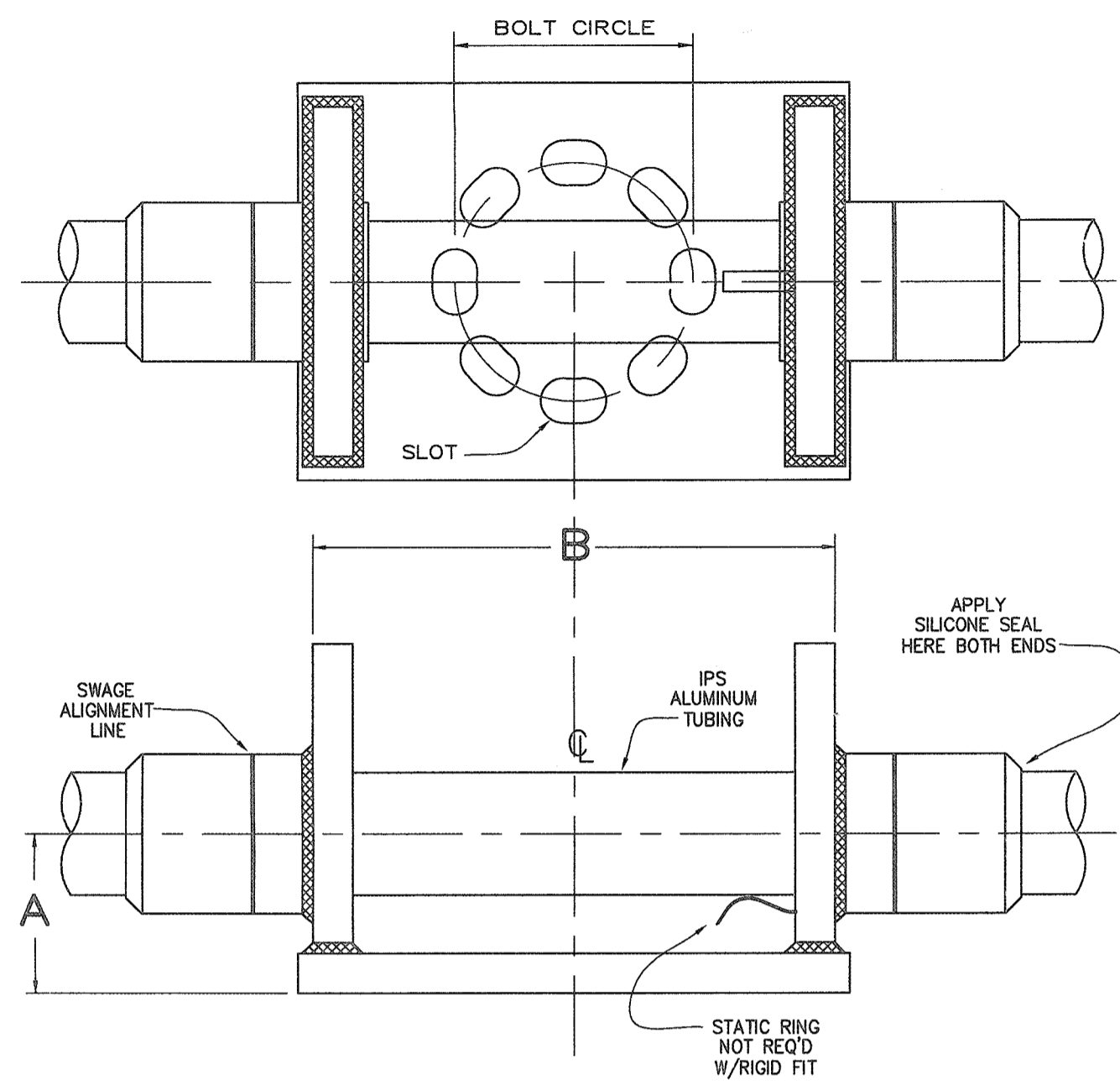
GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA			
GREENVILLE POD #3 230KV TO 115KV SUBSTATION SECTIONS			
Booth & Associates, LLC 3611 Glenwood Avenue Raleigh, NC 27612 CONSULTING ENGINEERS REG # 02281			
EDWN. JRT	DATE: 03/01/16	DWG. NO. S4	
APPD. MLC	APPD. MLC	14022S4	
NO. REVISIONS	DATE	SCALE: 1/8"=1'-0"	PLOT: 1:1

TUBE IPS	BOLT CIRCLE	SLOTS (S)	A	B	BOM ITEM
2"	3"	9/16"x13/16"	2 3/4"	7 1/2"	
3"	3"	9/16"x13/16"	3 5/8"	8 1/2"	
3"	5"	11/16"x1 1/16"	3 5/8"	10 1/2"	
4"	5"	11/16"x1 1/16"	4 1/2"	10 1/2"	

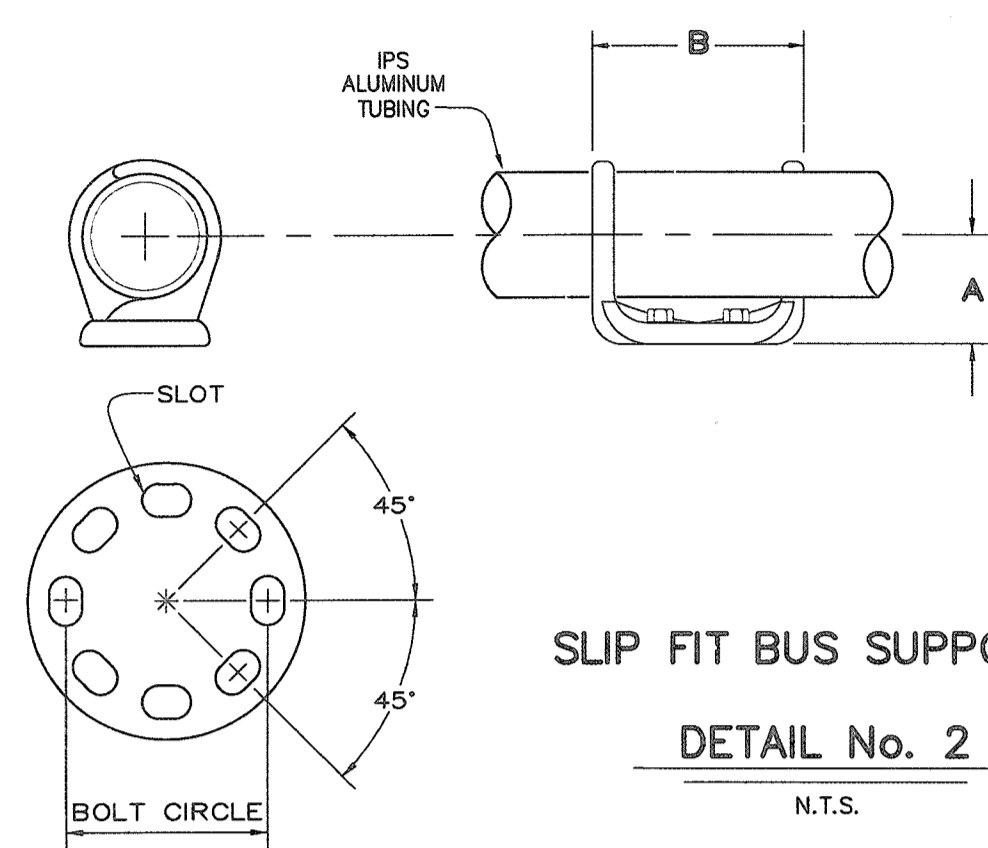
TUBE IPS	BOLT CIRCLE	SLOTS (S)	A	B	BOM ITEM
2"	3"	9/16"x3/4"	2 3/4"	6 3/4"	
3"	3"	9/16"x3/4"	3 5/8"	6 3/4"	
3"	5"	11/16"x1 7/8"	3 5/8"	9 3/8"	
4"	5"	11/16"x1 7/8"	4 1/2"	9 3/8"	

TUBE IPS	A	B	C
2"	12.68"	5.5"	7.17"
3"	13.03"	5.5"	7.53"
4"	14.22"	5.5"	8.72"
5"	17.66"	5.5"	12.16"

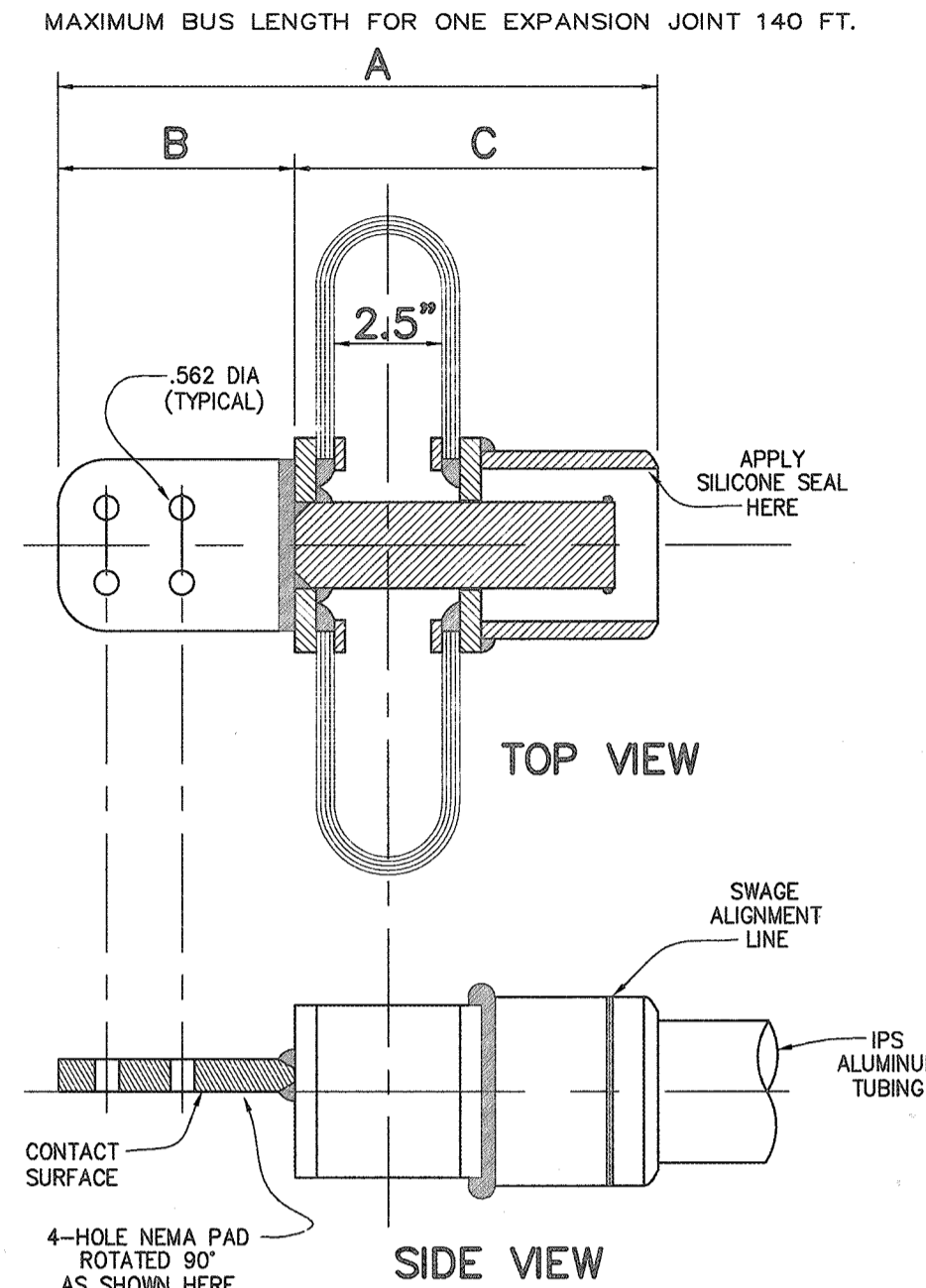
MAXIMUM BUS LENGTH FOR ONE EXPANSION JOINT 140 FT.



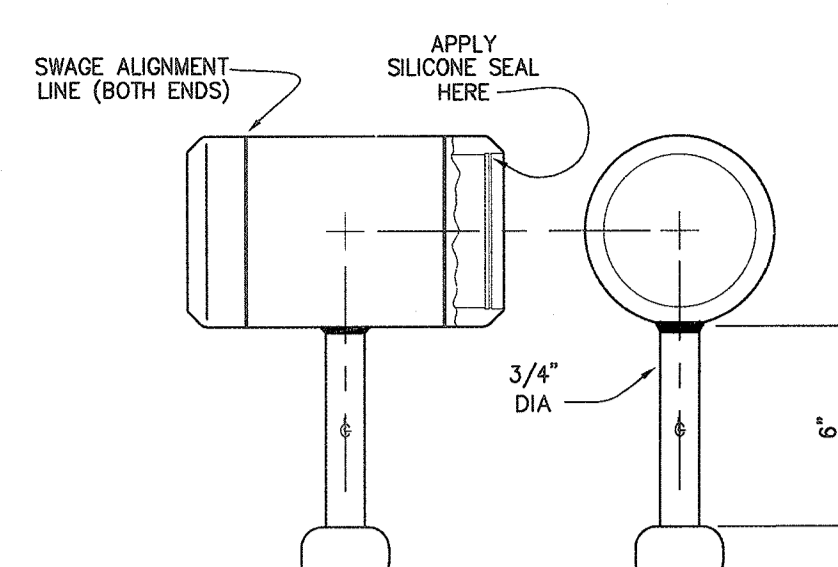
RIGID BUS SUPPORT
DETAIL No. 1
N.T.S.



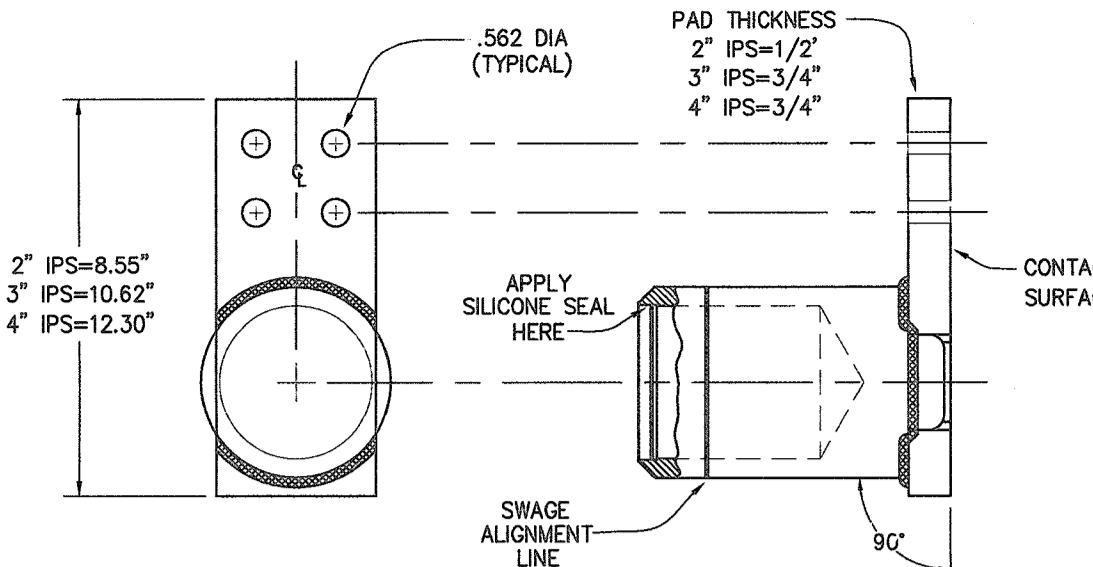
SLIP FIT BUS SUPPORT
DETAIL No. 2
N.T.S.



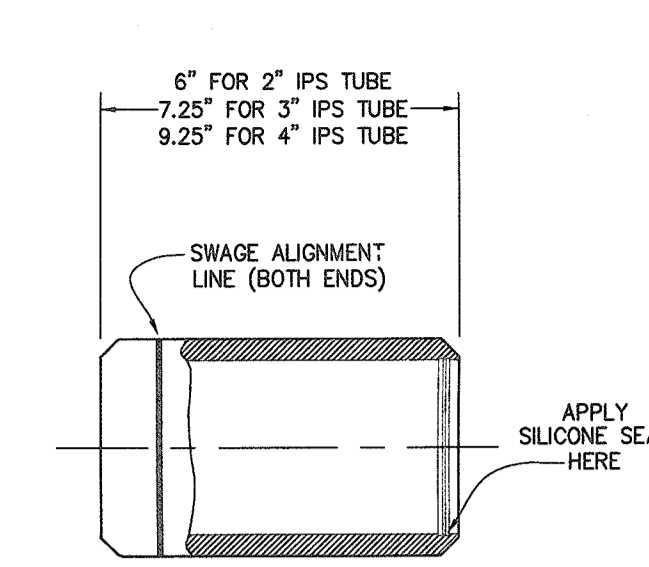
TUBING EXPANSION TO 4-HOLE NEMA 90° PAD
DETAIL No. 3
N.T.S.



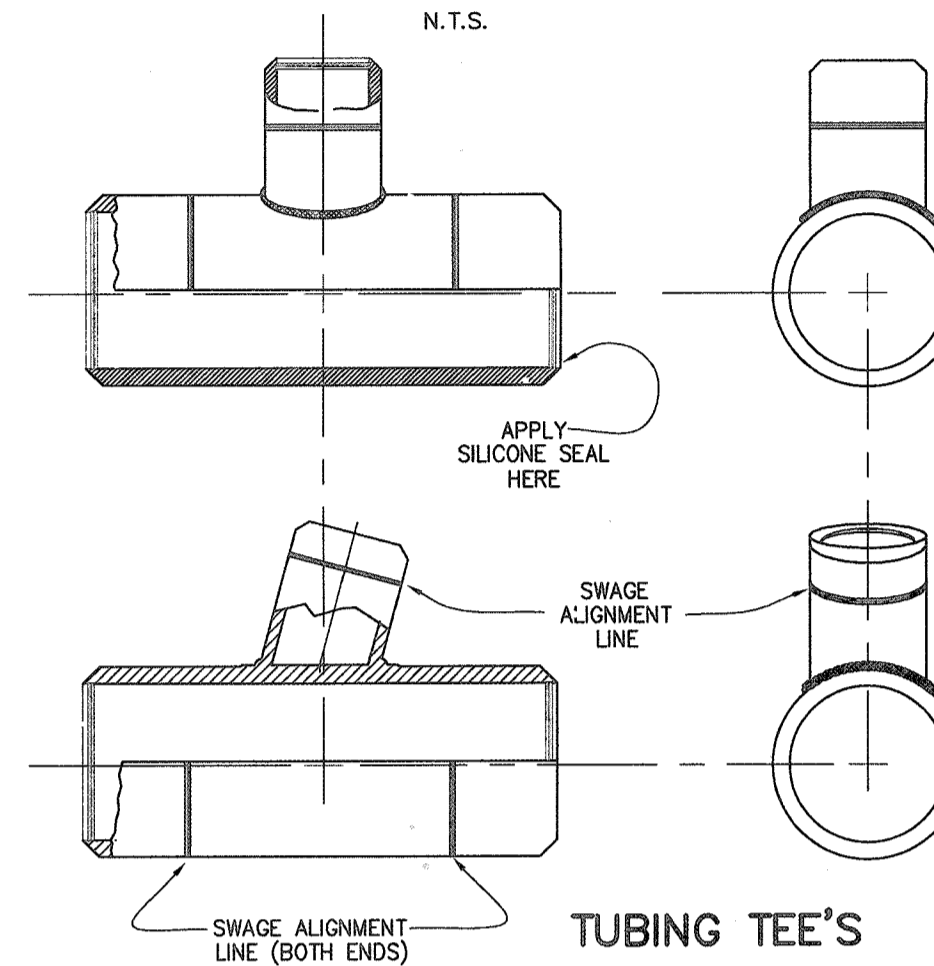
GROUNDING STUD
DETAIL No. 4
N.T.S.



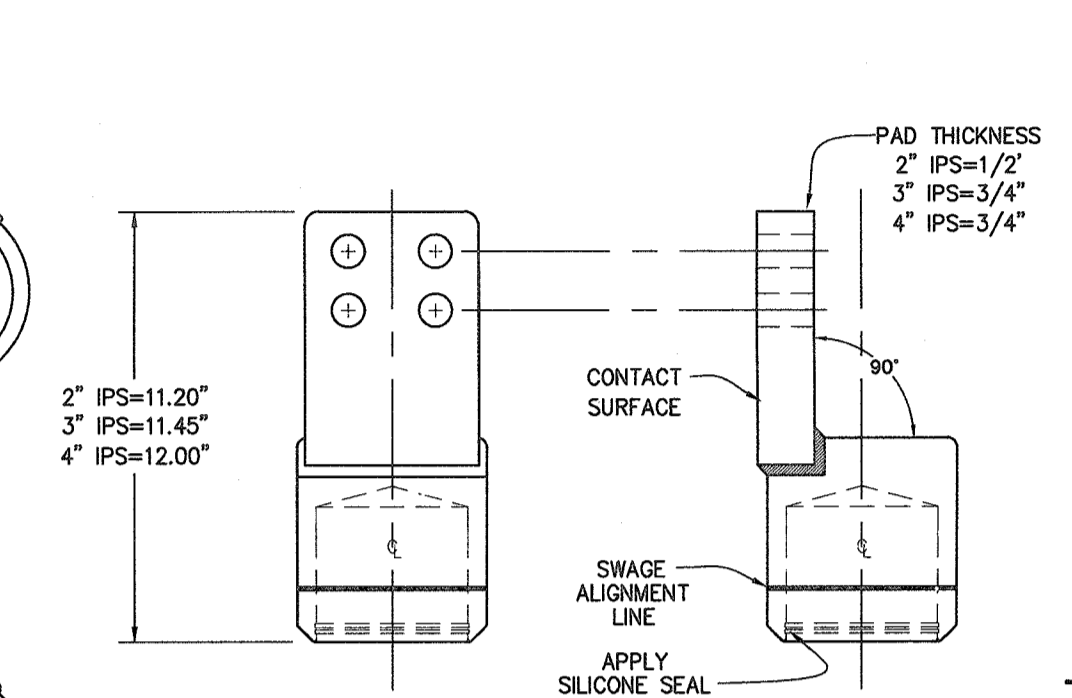
TUBING TO 4-HOLE NEMA 90° PAD
DETAIL No. 5
N.T.S.



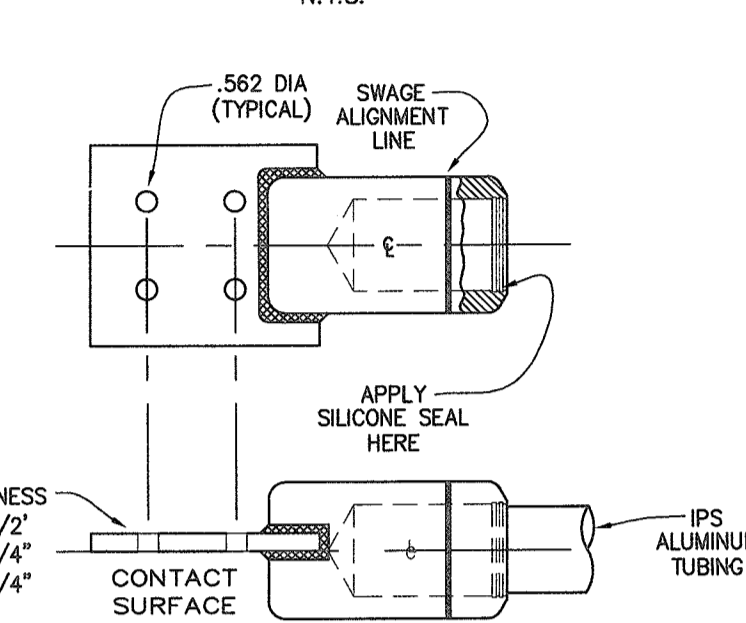
TUBING SPLICE
DETAIL No. 6
N.T.S.



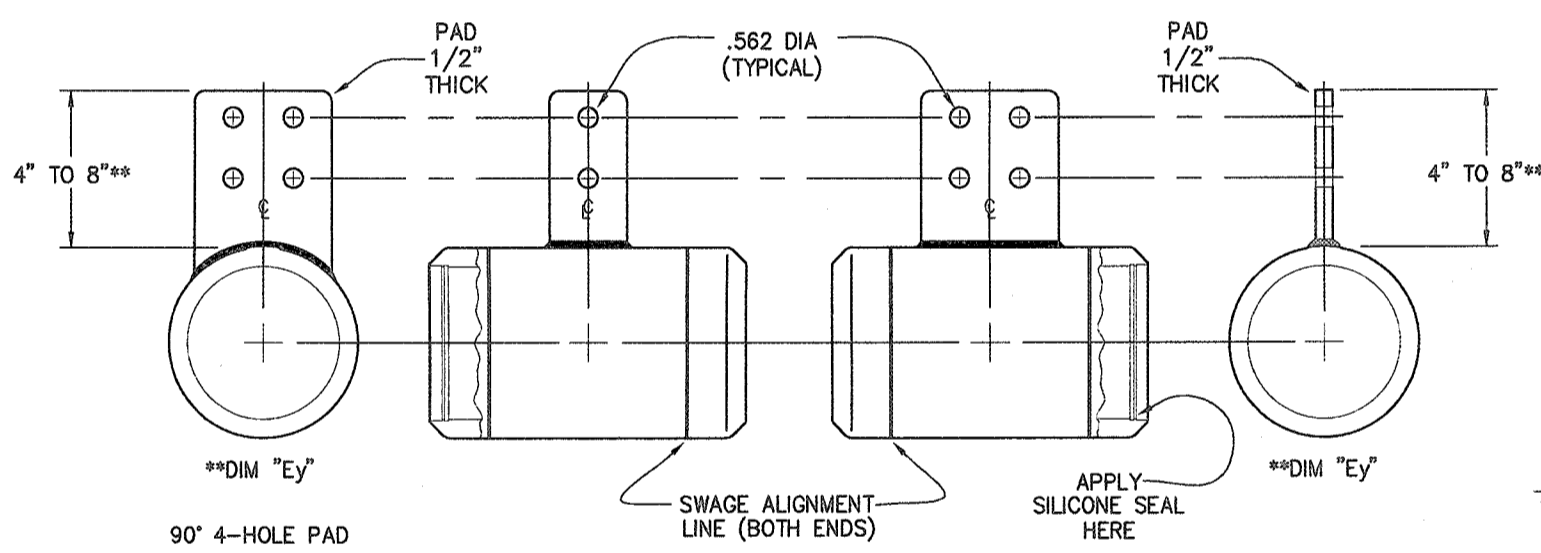
TUBING TEE'S
DETAIL No. 7
N.T.S.



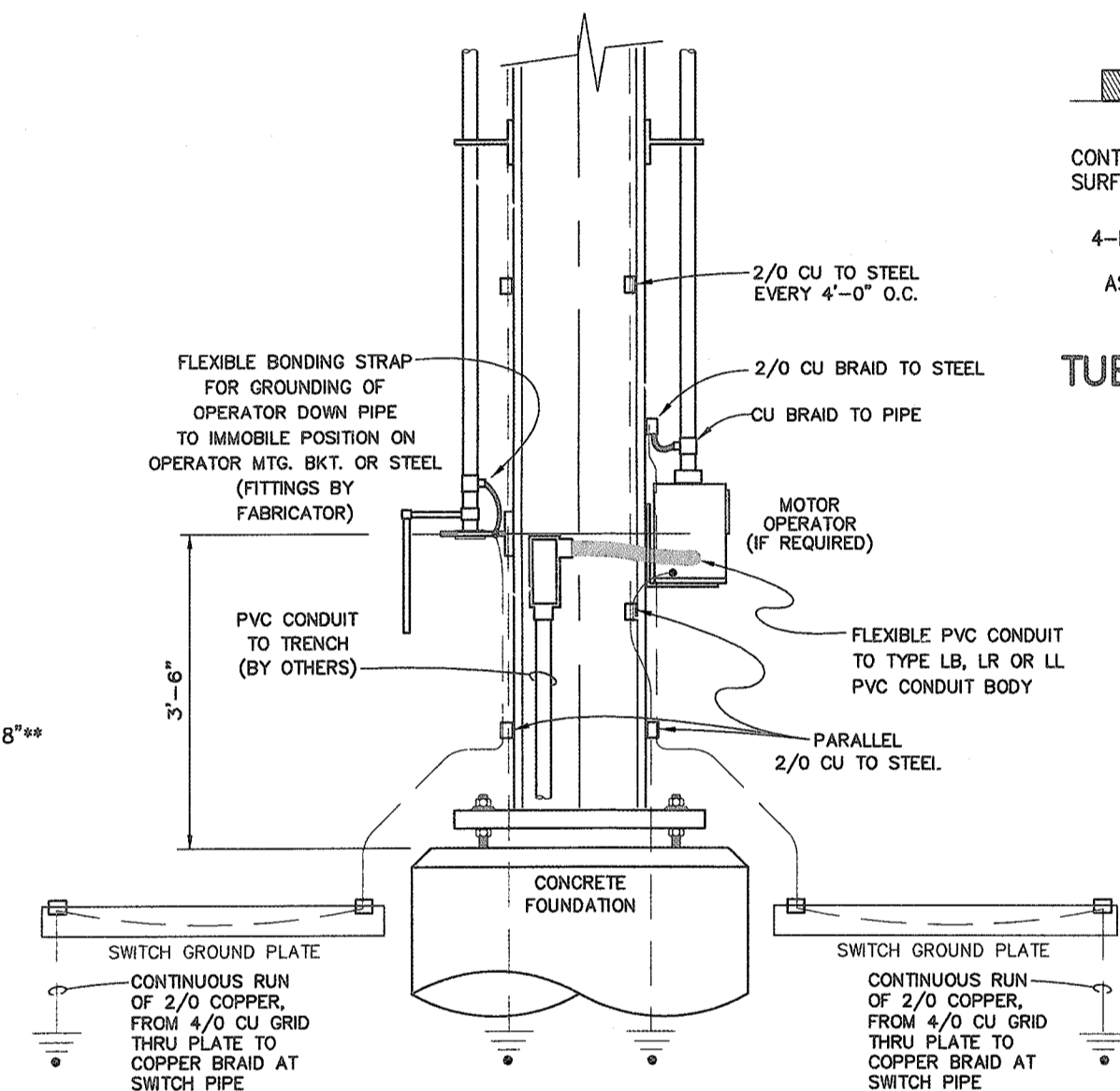
TUBING TO 4-HOLE NEMA PAD STRAIGHT CENTER OFFSET
DETAIL No. 8
N.T.S.



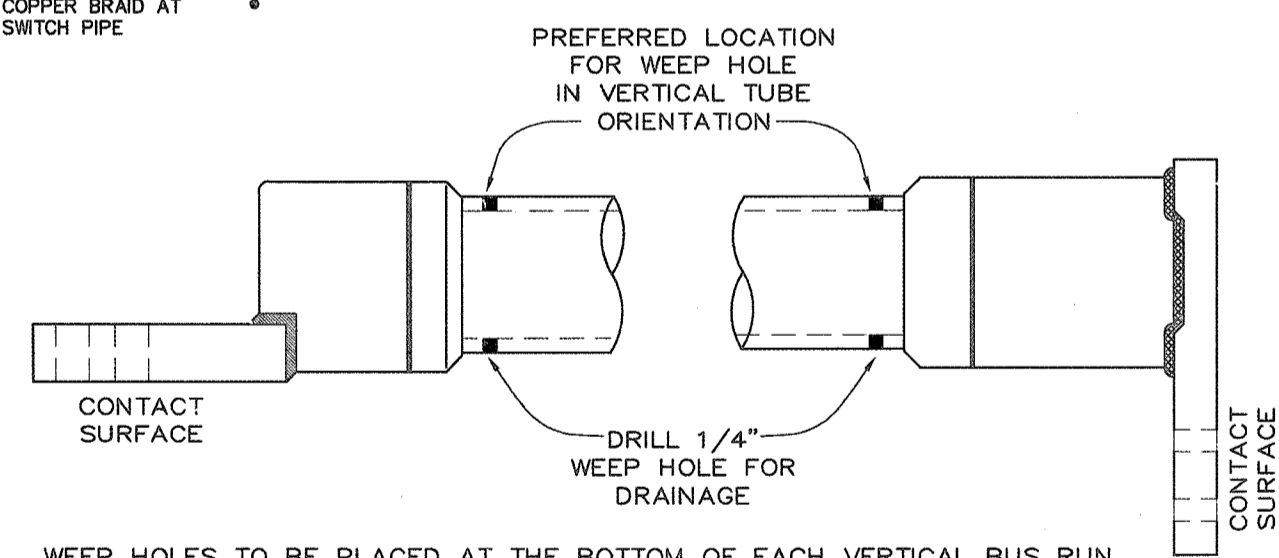
TUBING TO 4-HOLE NEMA PAD STRAIGHT CENTER FORMED PAD
DETAIL No. 9
N.T.S.



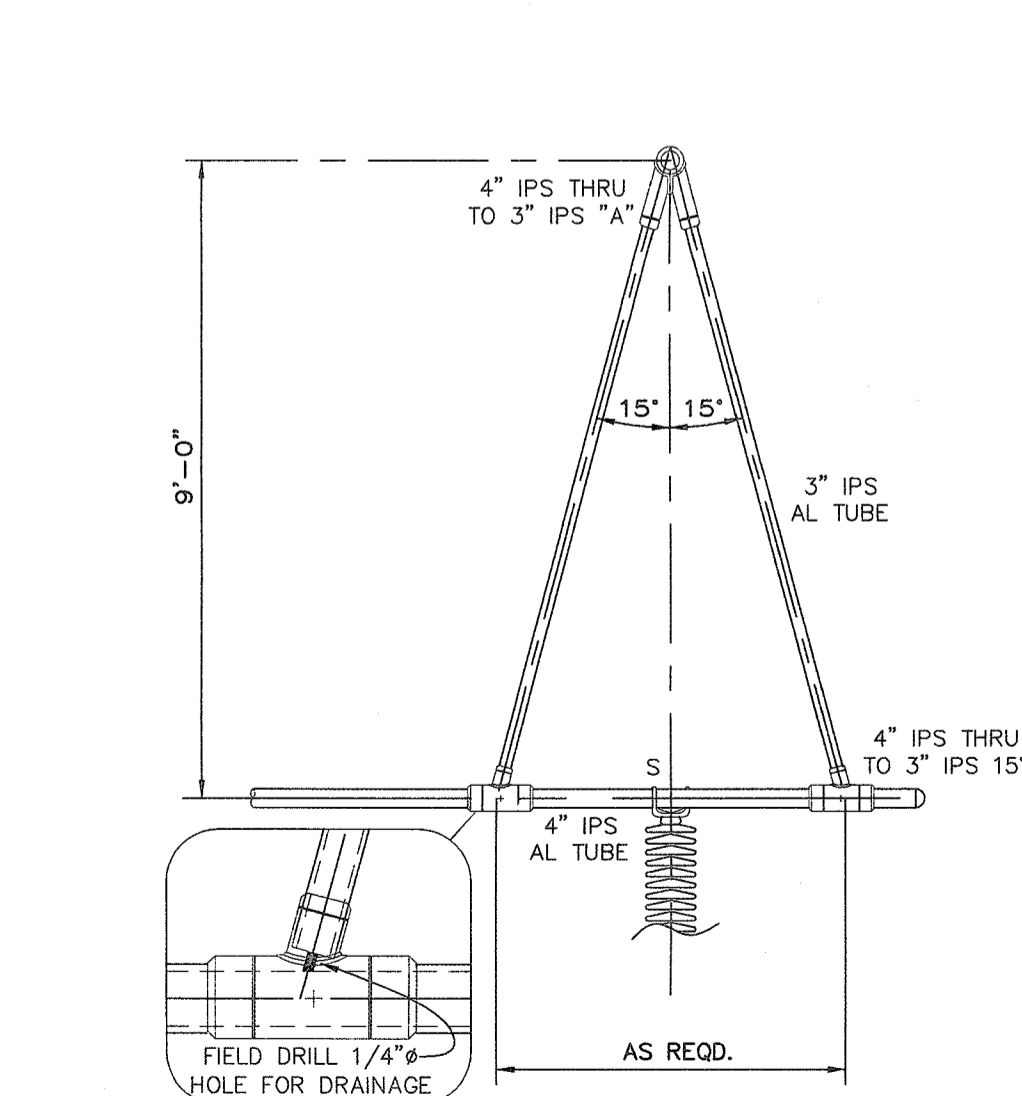
TUBING TO 2 OR 4-HOLE NEMA PAD
DETAIL No. 10
N.T.S.



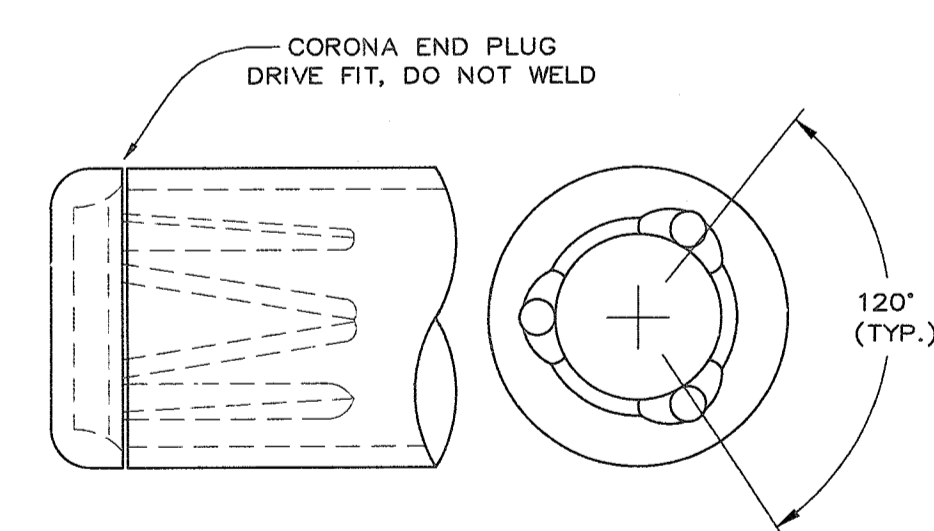
TYPICAL OPERATOR PIPE MOUNTING AND BONDING PROVISIONS FOR MOABS & GOABS
DETAIL No. 11
N.T.S.



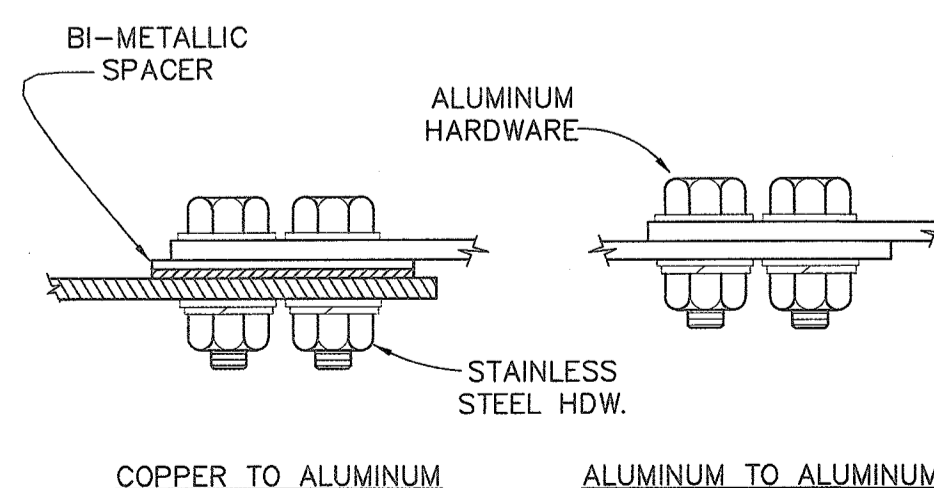
WEEP HOLE REQUIREMENT
DETAIL No. 14
N.T.S.



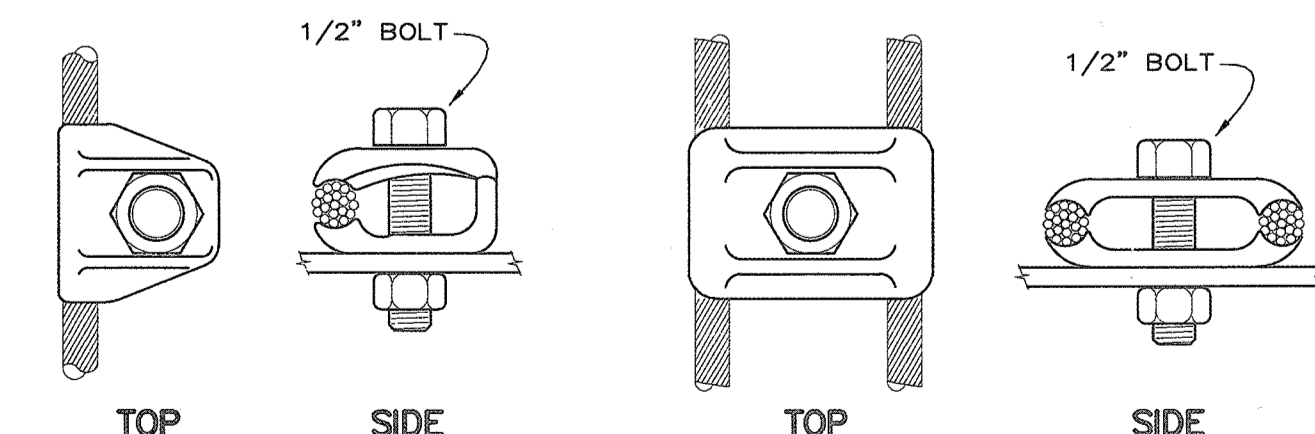
DETAIL No. 12
N.T.S.



DETAIL No. 13
N.T.S.

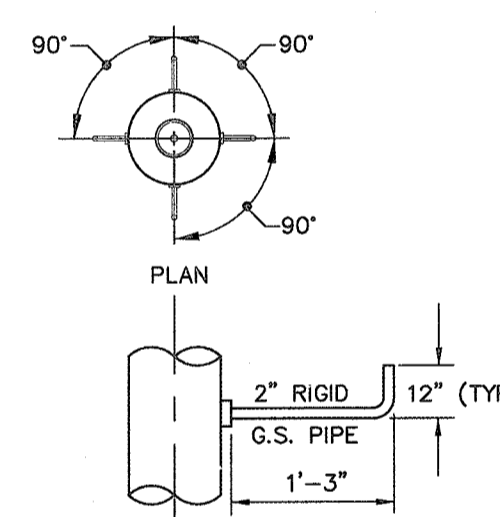


DETAIL No. 15 ELECTRICAL CONNECTIONS
N.T.S.

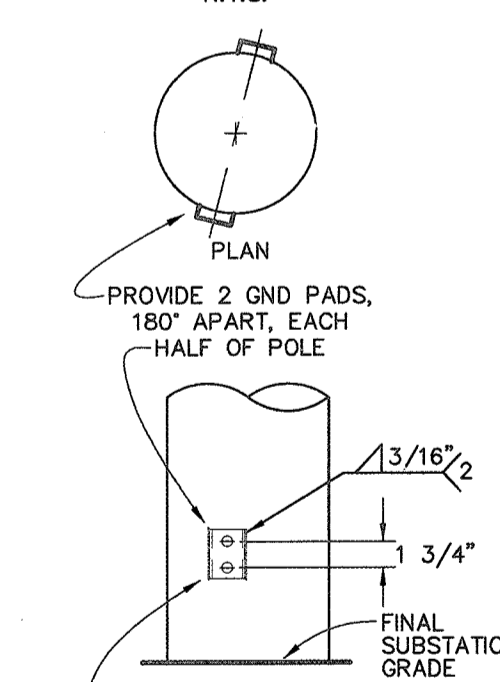


DETAIL No. 16
N.T.S.

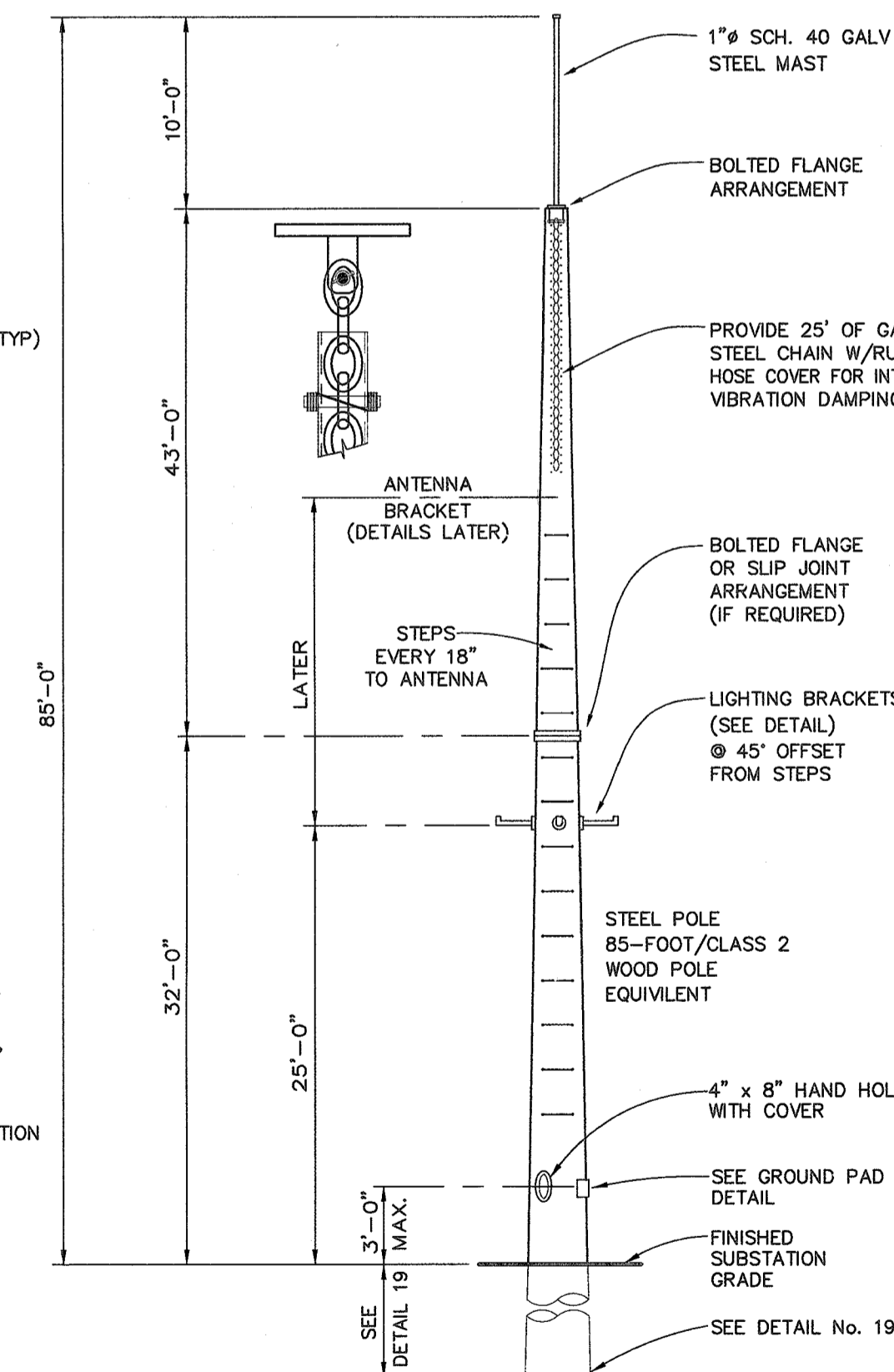
DETAIL No. 17
N.T.S.



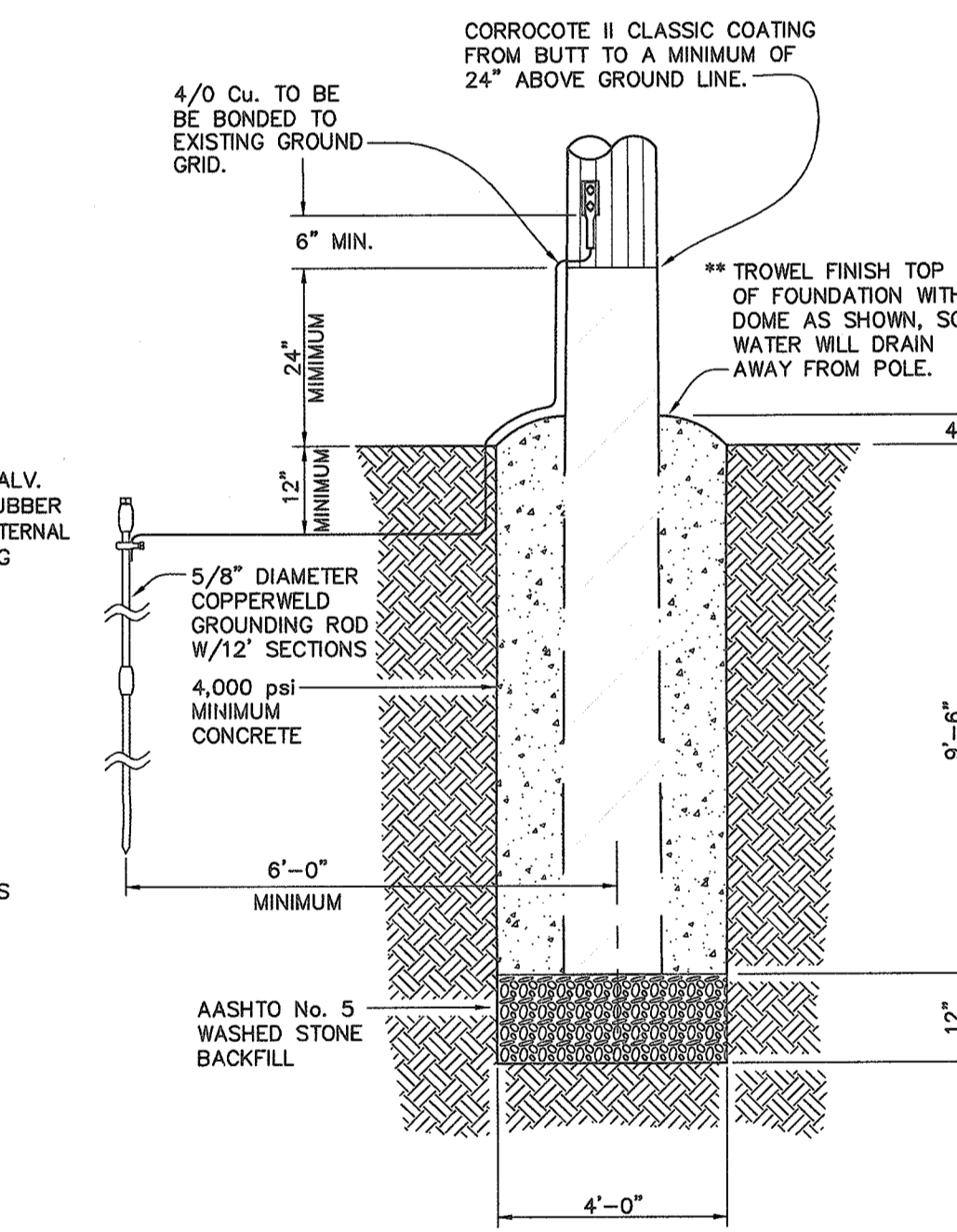
LIGHTING BRACKET
DETAIL
N.T.S.



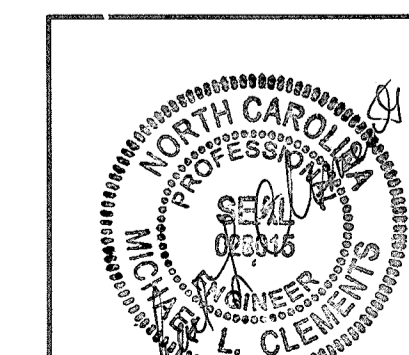
GROUND PAD
DETAIL
N.T.S.



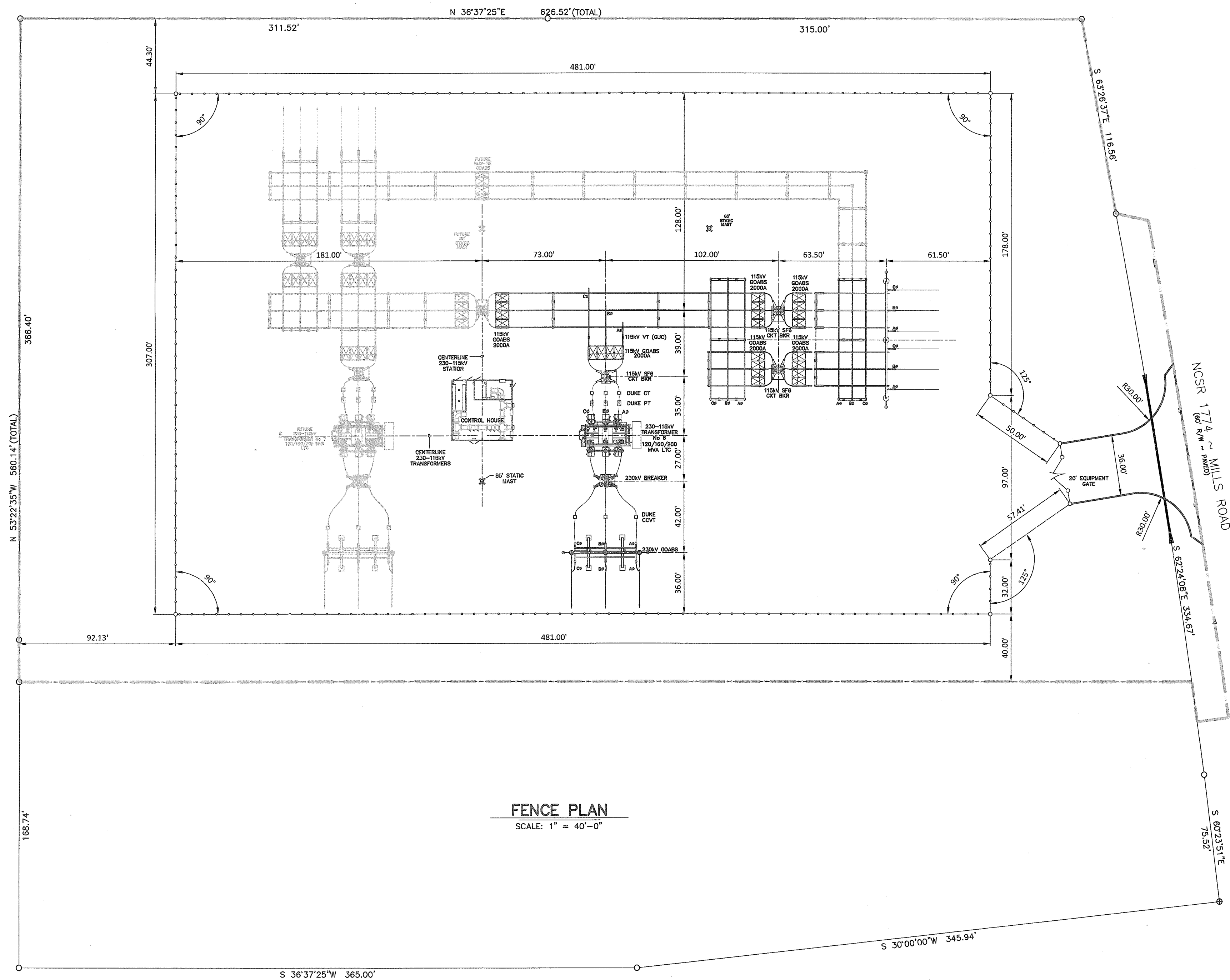
DETAIL No. 18
N.T.S.



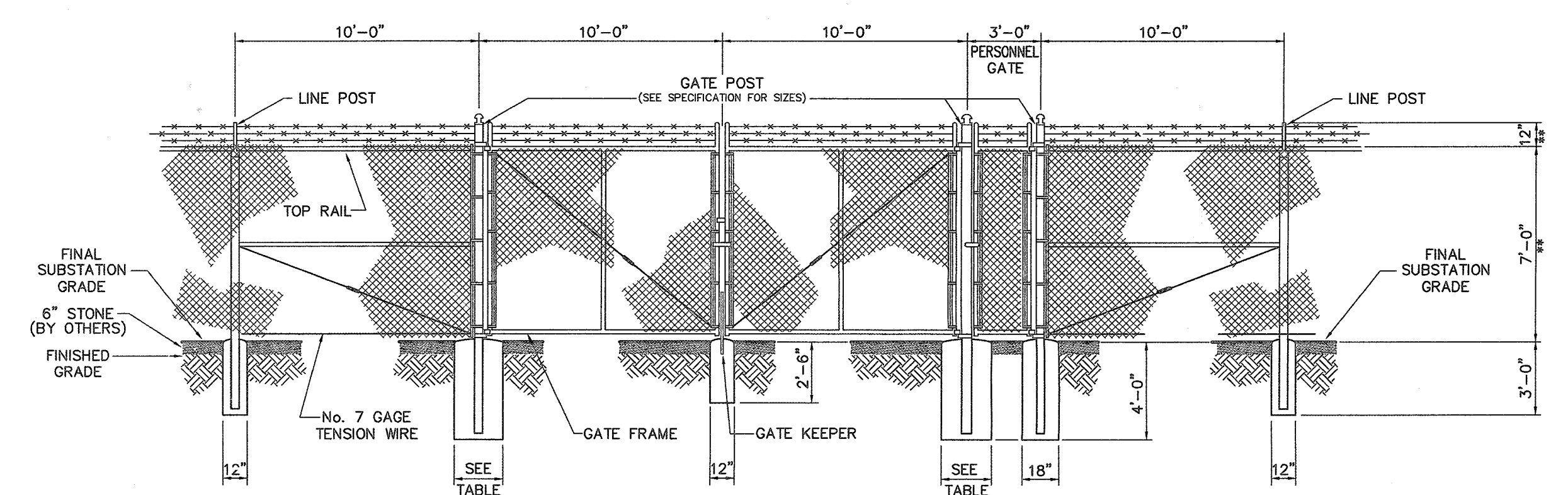
DETAIL No. 19 EMBEDMENT DETAIL STEEL POLE STATIC MAST
N.T.S.



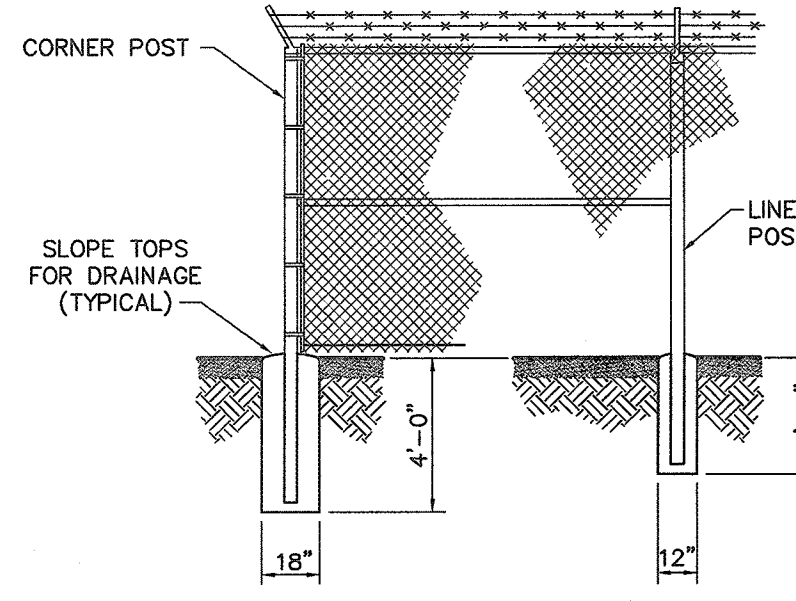
GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA			
GREENVILLE POD #3 230KV TO 115KV SUBSTATION DETAILS			
Booth & Associates, LLC 8813 Glenwood Avenue Raleigh, NC 27612 CONSULTING ENGINEERS REG # 02921			
DWN. JRT	DATE: 03/01/16	DWG. NO. S5	
A INITIAL DESIGN	03/01/16	SCALE: NTS	1402255
NO. REVISIONS	DATE	SCALE: NTS	PLOT: 1:1



FENCE PLAN
SCALE: 1" = 40'-0"



GATE & LINE POST DETAIL
N.T.S.



CORNER POST DETAIL
N.T.S.

FENCE POST SIZES		WEIGHT	
DESCRIPTION	NPS DESIGNATOR	O.D. (INCHES)	(LB. PER FOOT)
CORNER POST	2 1/2	2.875	5.79
3 1/2" GATE POST	3 1/2	4.000	9.11
4" GATE POST	4	4.500	10.79
6" GATE POST	6	6.625	18.97
LINE POST	2	2.375	3.65
GATE FRAME	1 1/2	1.900	2.72
TOP RAIL	1 1/4	1.660	2.27

CONCRETE FOUNDATIONS		
DESCRIPTION	DEPTH	DIAMETER
CORNER POST	4'-0"	1'-6"
3 1/2" GATE POST	4'-0"	1'-6"
4" GATE POST	4'-0"	1'-6"
6" GATE POST	4'-0"	2'-0"
LINE POST	3'-0"	1'-0"
GATE KEEPER	2'-6"	1'-0"

FENCE DETAILS
N.T.S.

FENCE QUANTITIES	
Gates: 20' Equipment	1
Corner Posts:	8
Line Posts:	35
Linear Ft. of Fabric*	1,590±

*Including gates

LEGEND

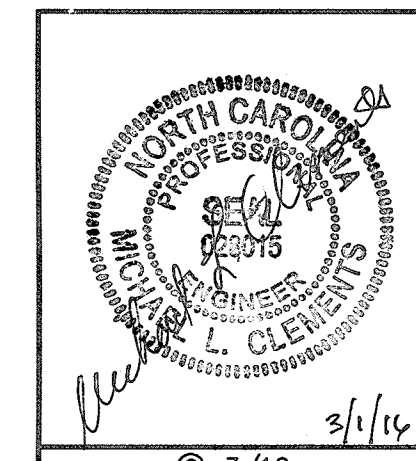
- ⊙ E.I.P. EXISTING IRON PIPE
- R/W APPARENT HIGHWAY RIGHT-OF-WAY
- PROPERTY LINE
- - - LIMITS OF DISTURBANCE
- NEW FENCE

NOTES

1. FINAL SUBSTATION GRADE WILL INCLUDE 6" OF STONE ON TOP OF THE FINISHED GRADE. THE FENCE CONTRACTOR SHOULD TAKE THIS INTO ACCOUNT WHEN POURING CONCRETE AND SETTING FENCE COMPONENTS. THE FENCE HEIGHT DIMENSIONS ARE TO BE MAINTAINED FROM FINAL SUBSTATION GRADE, NOT THE INITIAL FINISHED GRADE.

REFERENCES

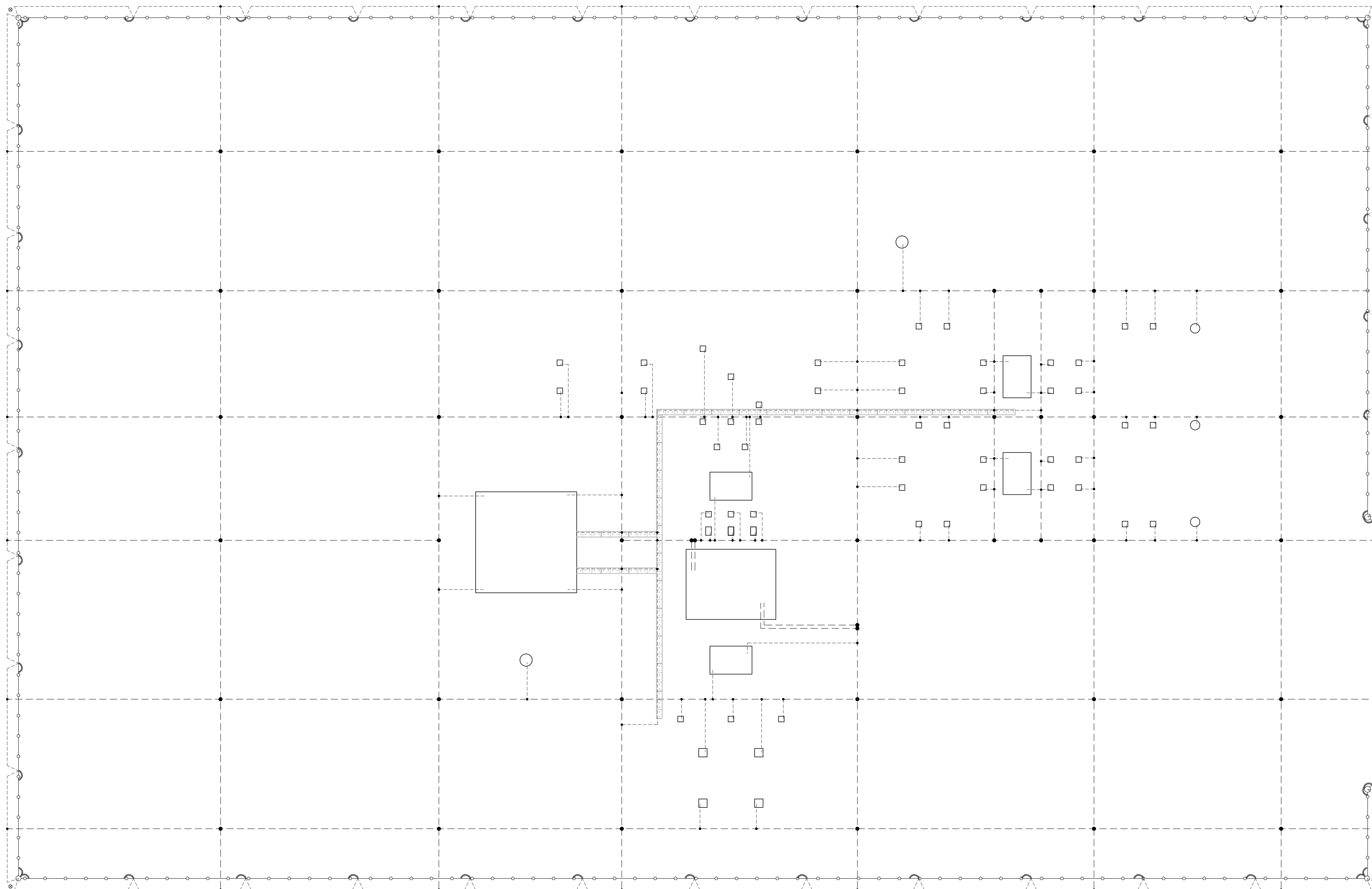
SITE PLAN	1402251
PLAN VIEW	1402252



GREENVILLE UTILITIES
GREENVILLE, NORTH CAROLINA
GREENVILLE POD #3
230KV TO 115KV SUBSTATION
FENCE PLAN

Booth & Associates LLC

APPROVED	DWN. JRT	DATE: 03/01/16	DWG. NO.
DATE: 03/01/16	CKD. MLC	APPD. MLC	F1
NO. REVISIONS	DATE	SCALE: 1"=40'	PLOT: 1:1



GROUNDING NOTES:

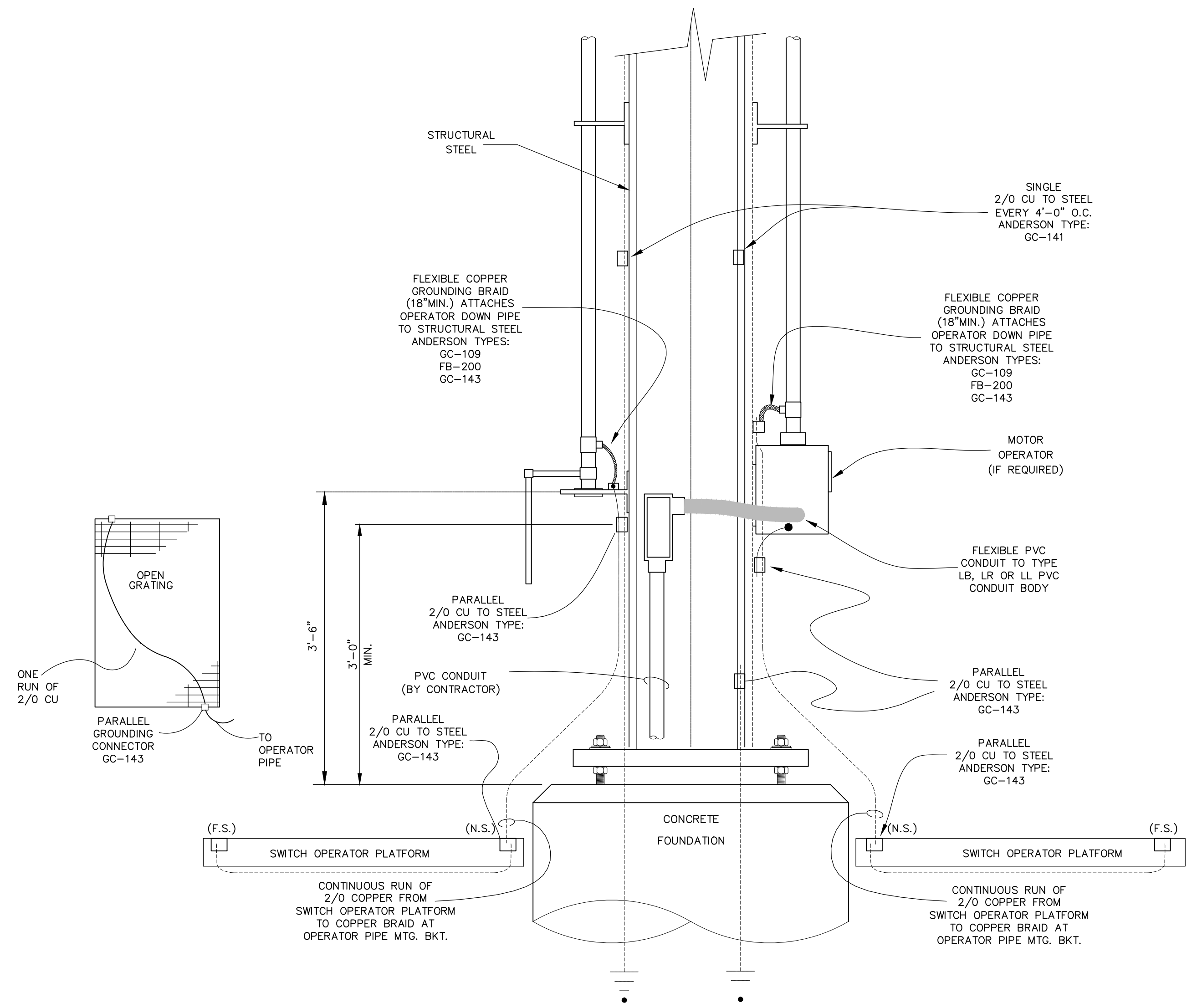
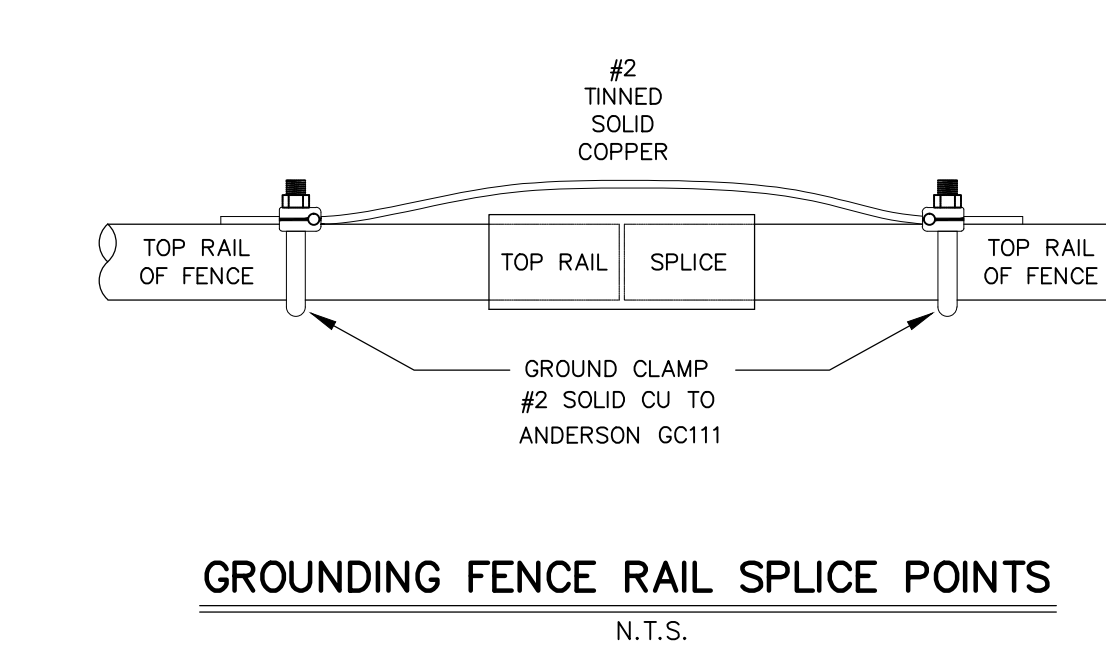
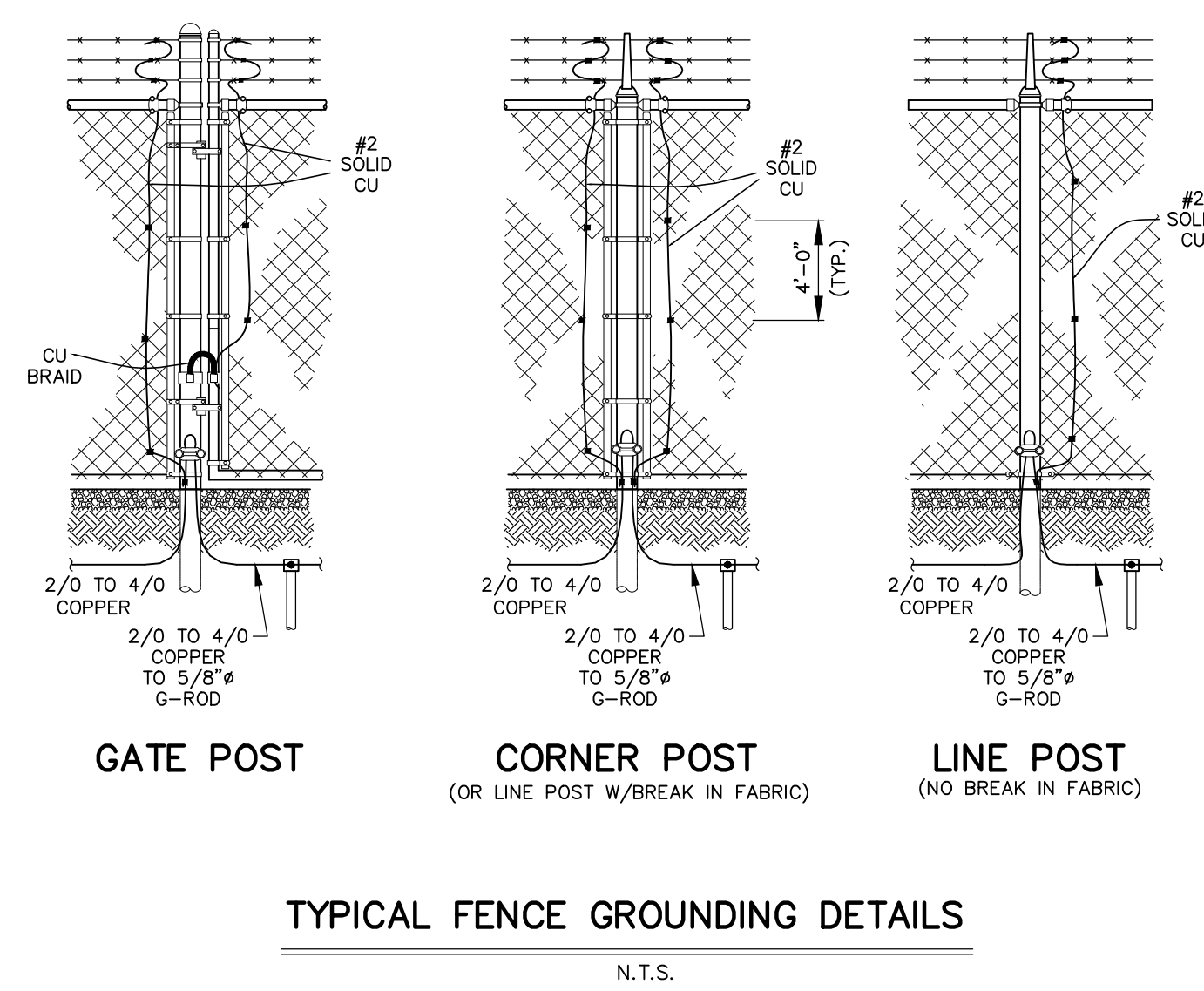
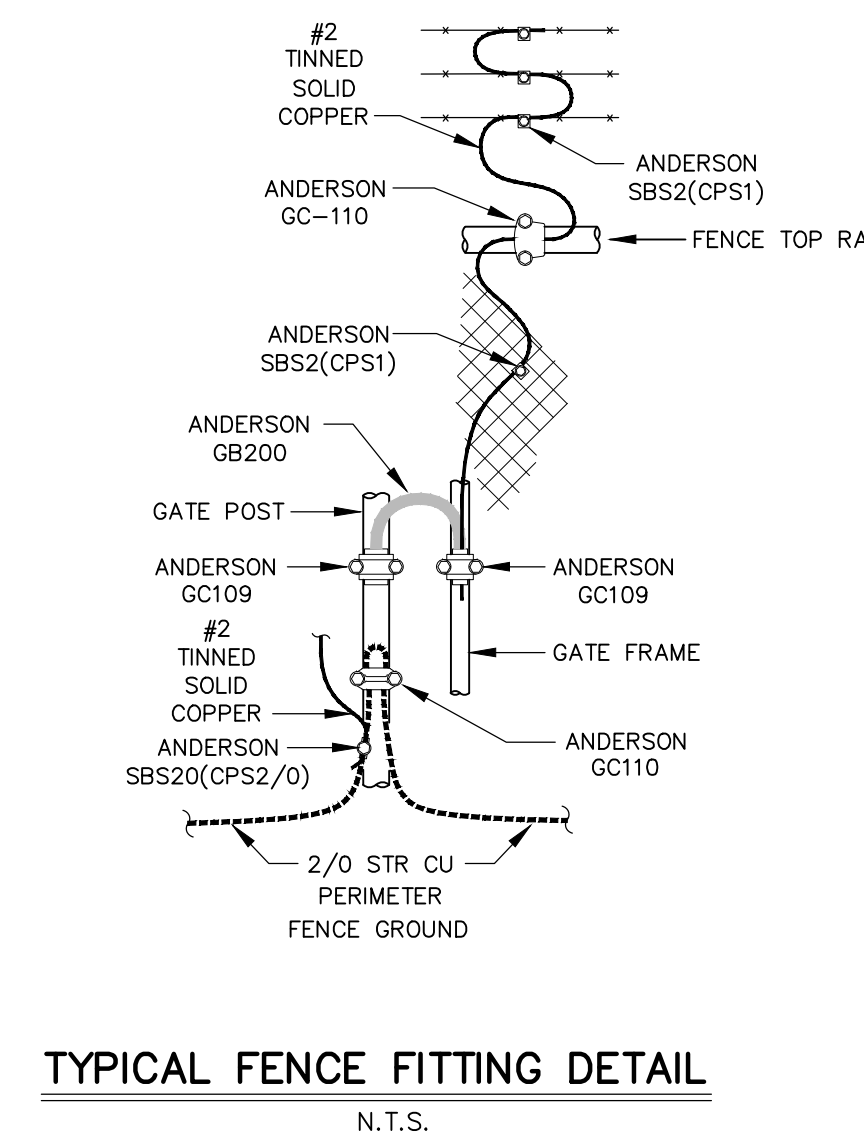
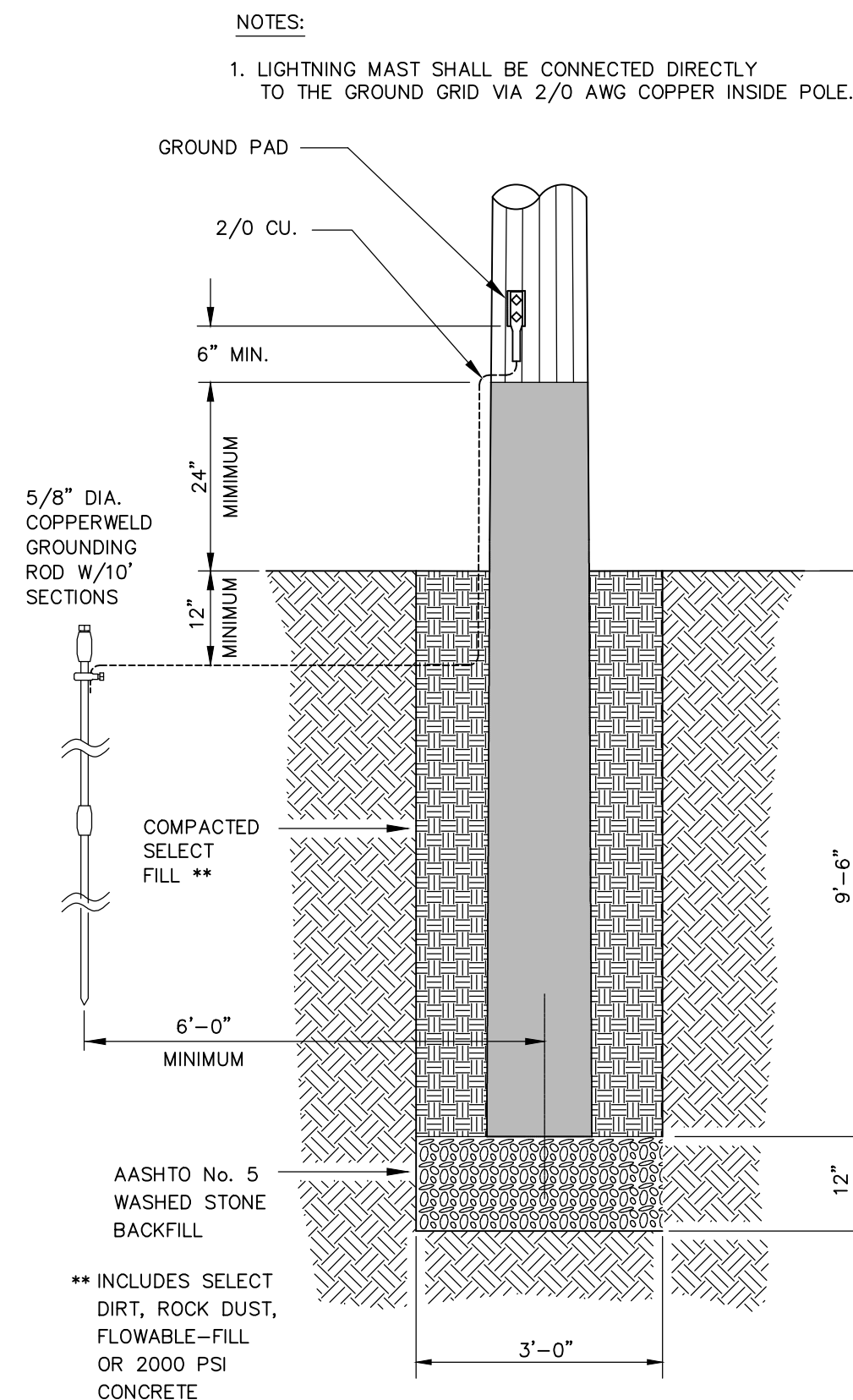
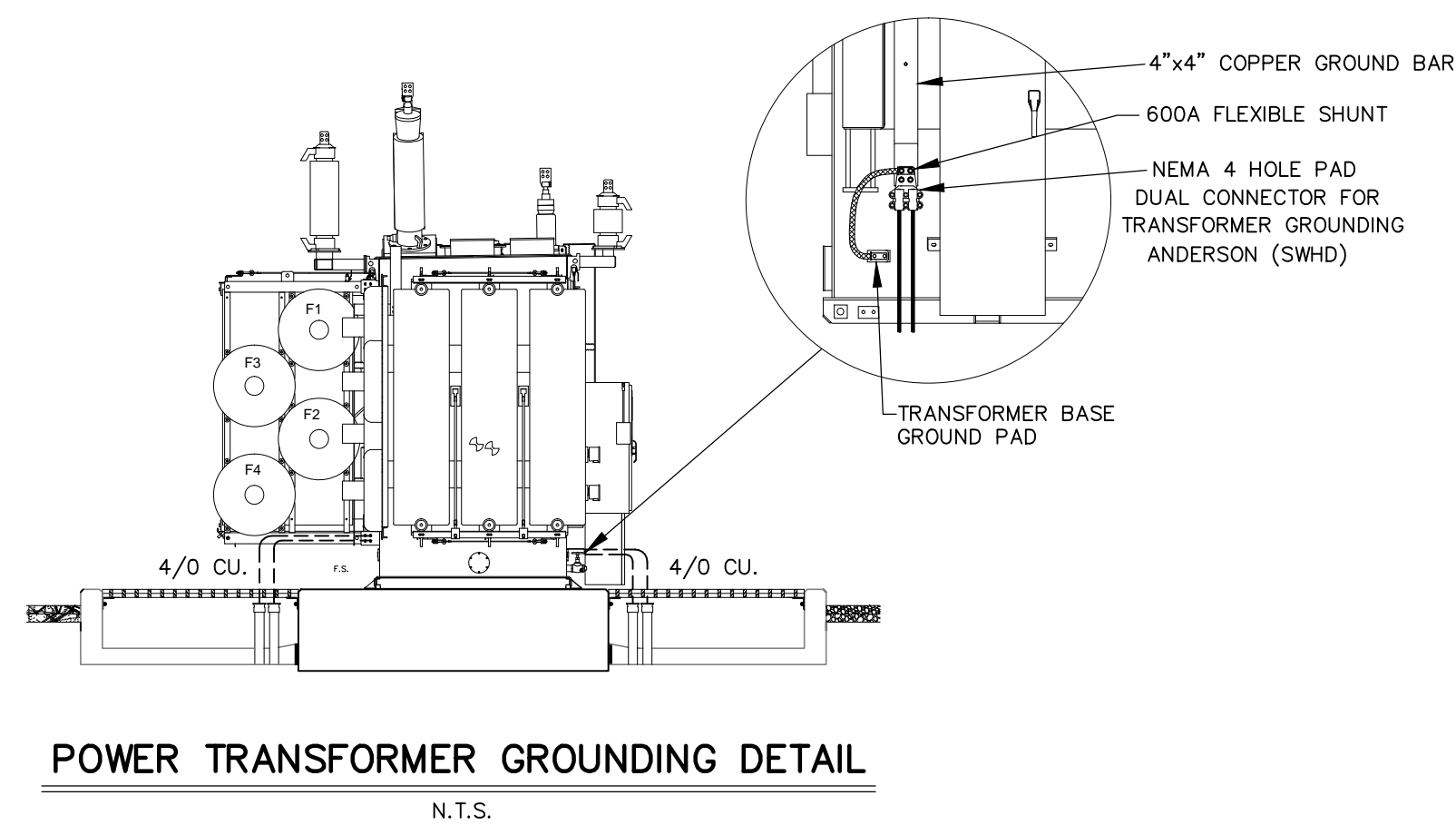
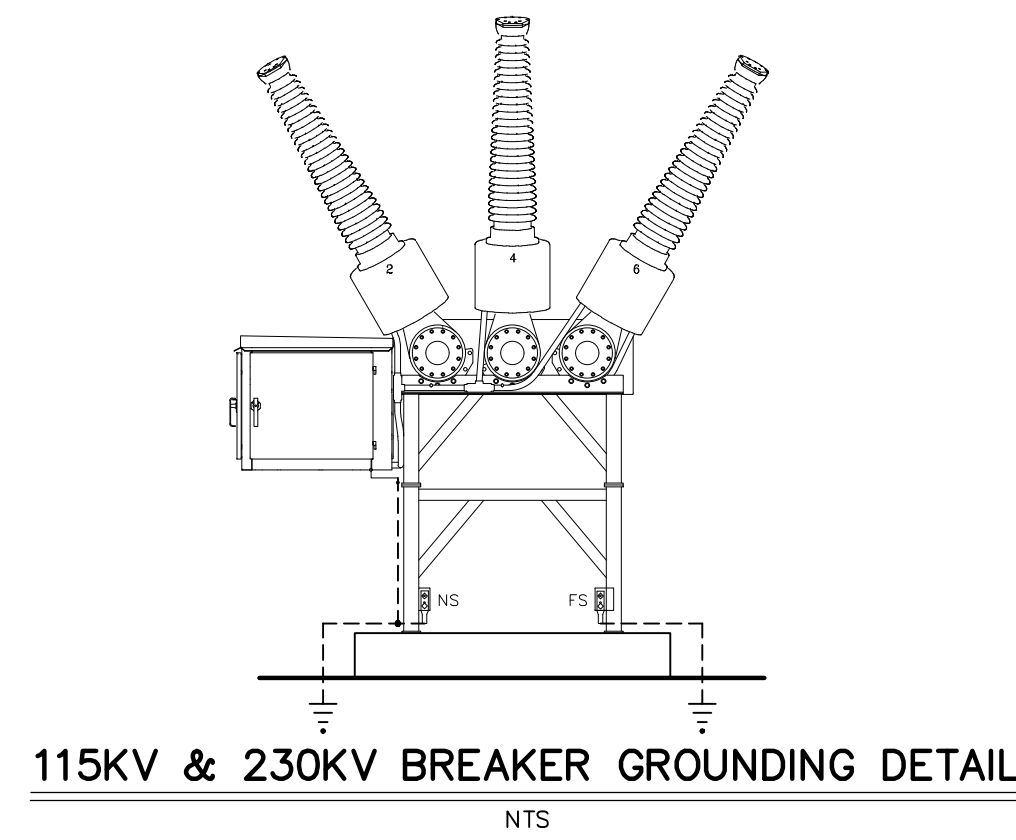
1. ALL APPARATUS (TRANSFORMERS, REGULATORS, CIRCUIT BREAKERS, ETC.) SHALL HAVE TWO SEPARATE CONNECTIONS TO GROUND GRID.
2. TRANSFORMER CONNECTIONS TO THE GROUND GRID SHALL BE PARALLEL 4/0 AWG BARE COPPER.
3. GROUND GRID SHALL BE BURIED A MINIMUM OF 36" BELOW FINISHED SUBSTATION GRADE.
4. FINISHED SUBSTATION GRADE INCLUDES 3" WASHED STONE AND 3" OF CRUSHER RUN ABOVE SUBGRADE.
5. LOCATE ALL UNDERGROUND FACILITIES (DUCT BANKS, TRENCH, CONTROL OR POWER CABLES, ETC.) BEFORE INSTALLING GRID CONDUCTORS. COORDINATE CONSTRUCTION WITH BELOW GRADE UTILITIES.
6. SWITCH OPERATOR PLATFORMS SHALL BE LOCATED ON THE SAME SIDE OF SWITCH AS OPERATING HANDLE.
7. TEST EACH GROUND ROD PRIOR TO CONNECTION TO THE GROUND GRID. EACH 10' GROUND ROD SHOULD READ ____ OHMS OR LESS. IF THE READING EXCEEDS THIS VALUE CONTACT THE ENGINEER.
8. TEST THE GROUND GRID SYSTEM BEFORE ENERGIZING THE SUBSTATION AND WHILE ISOLATED FROM TRANSMISSION OR DISTRIBUTION SYSTEM(S). IF THE READING EXCEEDS 0.____ OHMS, CONTACT THE ENGINEER.
9. GROUND GRID MUST BE INSTALLED BEFORE THE OIL CONTAINMENT SYSTEM.
10. INSTALL GROUND GRID BEFORE INSTALLING CABLE TRENCH. COORDINATE CONSTRUCTION EFFORTS.
11. INSTALL 2/0 AWG. CU. GROUND ALONG LENGTH OF ALL TRENCH. SUPPORT GROUND AT TOP OF TRENCH INSIDE WALL. BOND TO GROUND GRID AT EACH INTERSECTION.

LEGEND

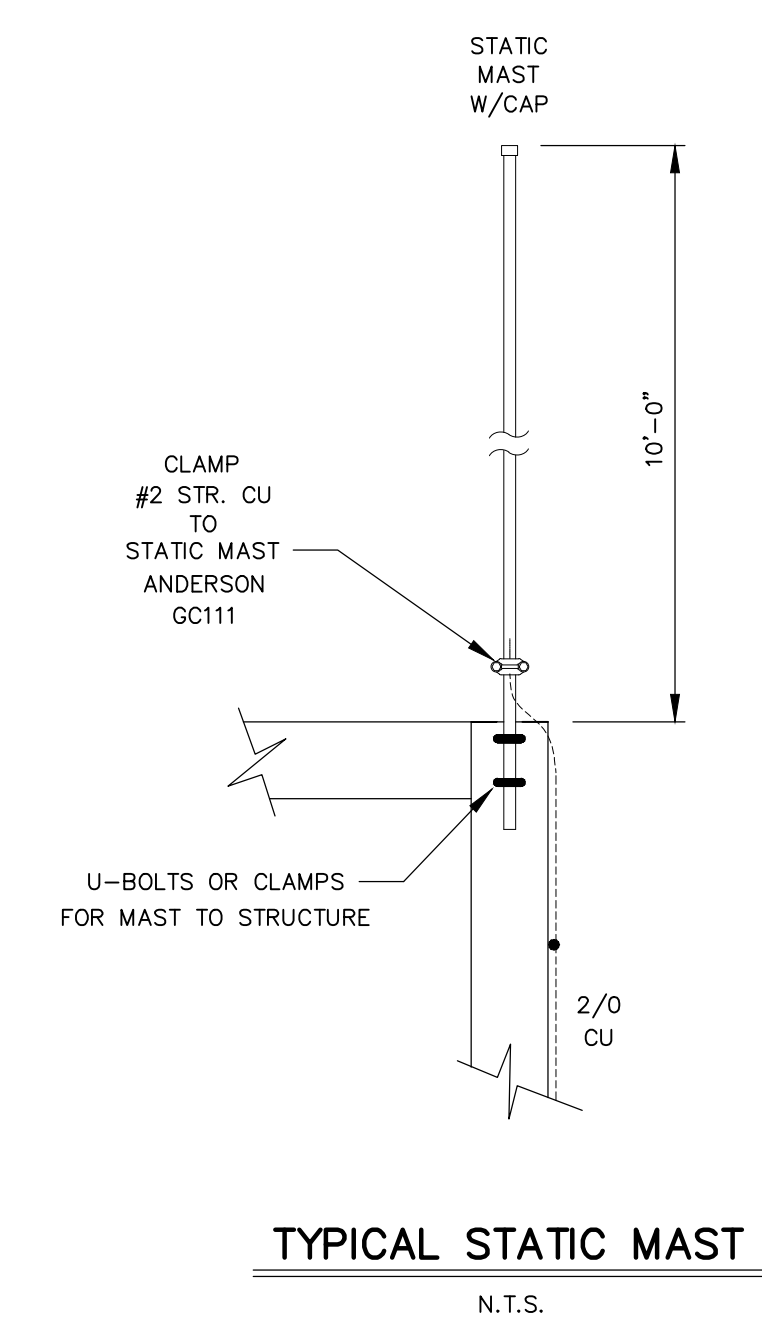
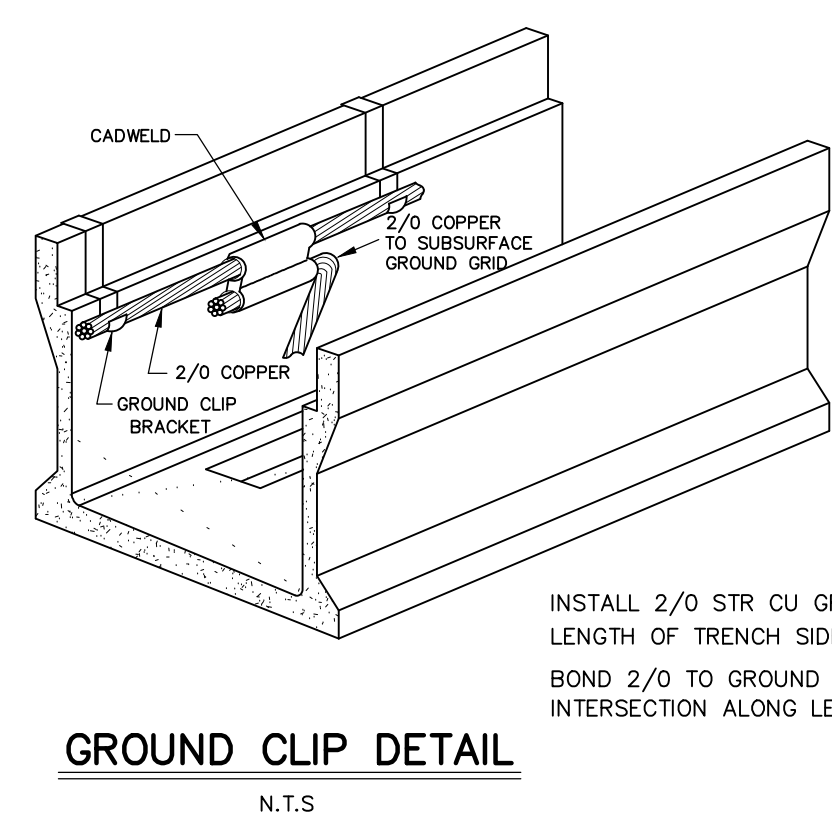
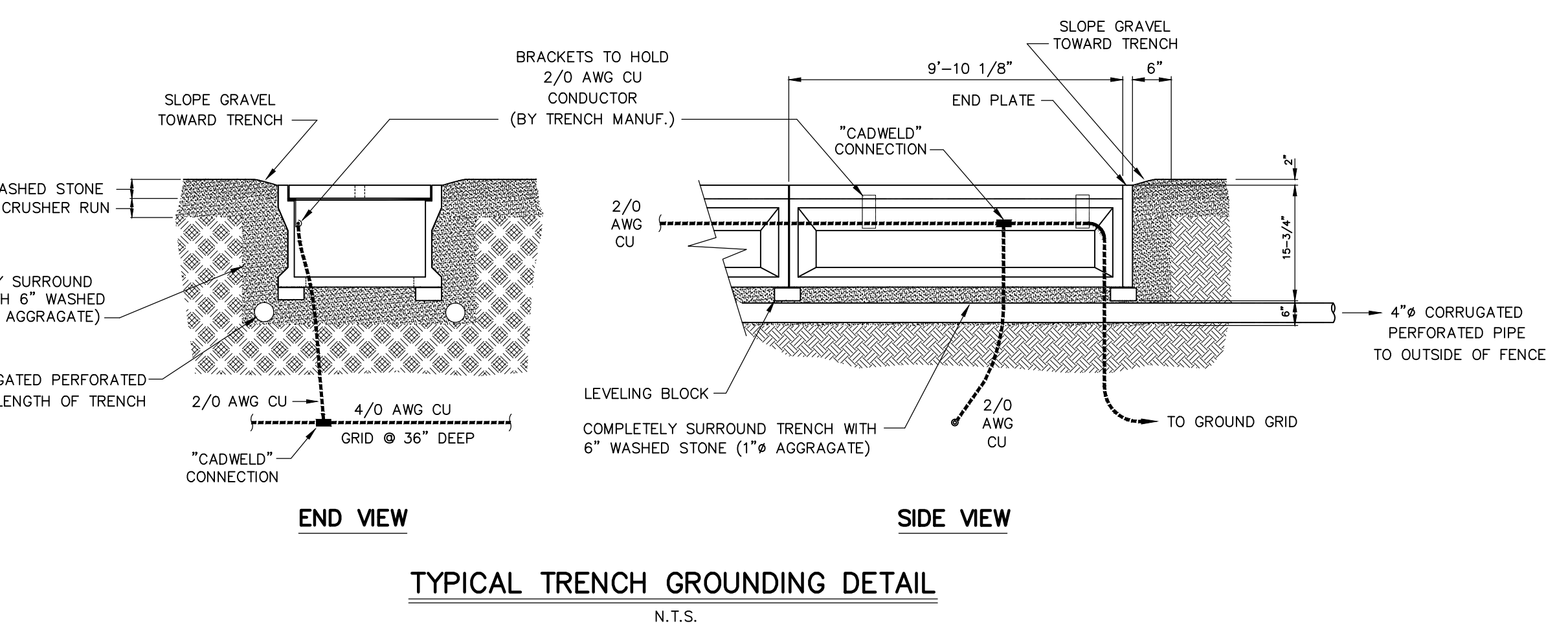
- 4/0 AWG. S.D. BARE COPPER
- 2/0 AWG. S.D. BARE COPPER
- ⊙ #2 S.D. TINNED COPPER
- GRID CONNECTORS: CADWELD TYPE
- ⊗ 5/8" DIA. COPPERWELD GROUND RODS, 10' SECTIONS (UNLESS NOTED OTHERWISE)
- ▨ SWITCH OPERATOR PLATFORM
- ▭ CONCRETE FOUNDATION
- - - - - CABLE TRENCH

GROUNDING PLAN
SCALE: 1" = 20'-0"

PRELIMINARY - DO NOT USE FOR CONSTRUCTION			GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA		
			GREENVILLE POD #3 230KV TO 115KV SUBSTATION GROUNDING PLAN		
			Booth & Associates, LLC <small>9815 Glenwood Avenue • Raleigh, NC 27612 • CONSULTING ENGINEERS AND ARCHITECTS</small>		
	A	INITIAL DESIGN	03/01/16	DWN. JRT	DATE: 03/01/16
NO.	REVISIONS	DATE	CKD. MLC	APPD. MLC	G1
© 3/16			SCALE: 1"=20'	PLOT: 1:1	14022G1



- NOTES:
1. COPPER BRAIDS, ATTACHMENT FITTINGS AND PLATFORM TO BE PROVIDED BY FABRICATOR.
 2. ANY DEVIATIONS FROM FITTING TYPES OR MANUF. TO BE APPROVED BY ENGINEER.
 3. SWITCH GROUND PLATFORM TO BE GALVANIZED STEEL, OPEN GRID, 4'-0" x 3'-0" MINIMUM.



INSTALL 2/0 STR CU GROUND WIRE ALONG ENTIRE LENGTH OF TRENCH SIDEWALL, SUPPORTED BY GROUND CLIP BRACKETS BOND 2/0 TO GROUND GRID AT EACH INTERSECTION ALONG LENGTH OF TRENCH

PRELIMINARY - DO NOT USE FOR CONSTRUCTION				GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA		
				GREENVILLE POD #3 230KV TO 115KV SUBSTATION GROUNDING DETAILS		
				Booth & Associates, LLC <small>9611 Greenleaf Avenue, Raleigh, NC 27612, (919) 876-1100</small>		
	A	INITIAL DESIGN	03/01/16	DWN. JRT	DATE: 03/01/16	DWG. NO.
				CKD. MLC	APPD. MLC	G2
	NO	REVISIONS	DATE	SCALE: 3/16" = 1'-0"	PLOT: 1:1	14022G2