AT&T SITE NUMBER: 368-762

PROJECT DESCRIPTION: **CO-LOCATION ON AN**

EXISTING SELF-SUPPORT

TOWER

290.6' SELF-SUPPORT **TOWER TYPE:**

SITE ADDRESS: **538 SMITH PRINCE ROAD**

FUQUAY VARINA, NC 27526

(HARNETT COUNTY)

JURISDICTION: **HARNETT COUNTY**

AREA OF CONSTRUCTION: 360 ± SQ. FT. (LEASE AREA)

TELECOMMUNICATIONS PRESENT OCC. TYPE:

FACILITY

CURRENT ZONING: RA-30

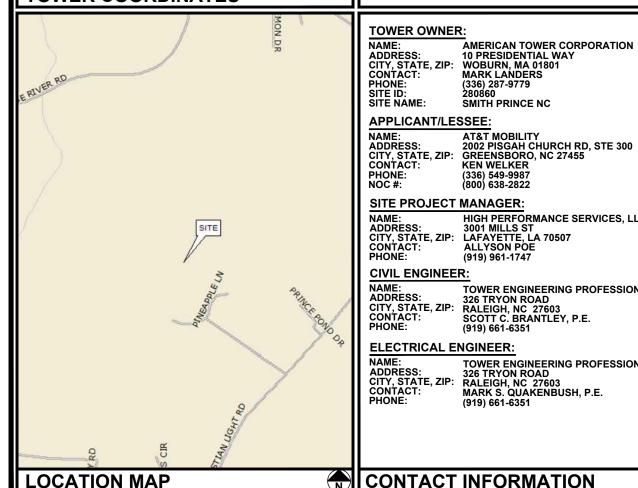
PIN #: 0634-60-0332.000

PROJECT INFORMATION

LATITUDE: N 35° 30' 30.718" (35.508532849) LONGITUDE: W 78° 52' 47.745" (-78.879929248)

GROUND ELEVATION: ±331.7' (AMSL)

TOWER COORDINATES





538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)

AT&T SITE #: 368-762 FA LOCATION CODE: 12682141

AMERICAN TOWER CORPORATION

HIGH PERFORMANCE SERVICES, LLC

TOWER ENGINEERING PROFESSIONALS

TOWER ENGINEERING PROFESSIONALS 326 TRYON ROAD RALEIGH, NC 27603 MARK S. QUAKENBUSH, P.E.

10 PRESIDENTIAL WAY

(336) 287-9779 280860

(336) 549-9987 (800) 638-2822

ALLYSON POF

(919) 961-1747

(919) 661-6351

(919) 661-6351

326 TRYON ROAD RALEIGH, NC 27603 SCOTT C. BRANTLEY, P.E.

SMITH PRINCE NC

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING

1. NORTH CAROLINA BUILDING CODE 4. 2017 NCEC (2018 EDITION)
2. NORTH CAROLINA CODE COUNCIL

(2017 NEC & NC ADDENDUM)
5. LOCAL BUILDING CODE
6. CITY/COUNTY ORDINANCES

CODE COMPLIANCE

UTILITIES:

DUKE ENERGY PROGRESS POWER COMPANY: CONTACT: CUSTOMER SERVICE

(800) 777-9898 18CH29 50 Z XFMR # NEAR SITE:

TELEPHONE COMPANY: SPRINT CUSTOMER SERVICE (800) 743-3793 (919) 427-3104 PHONE # NEAR SITE: PEDESTAL # NEAR SITE: 1412RP133E

PROPERTY OWNER:

NAME: LINDA L. SEARS 2434 OAK RIDGE RIVER ROAD FUQUAY VARINA, NC 27526 LINDA L. SEARS CITY, STATE, ZIP: CONTACT: PHONE: UNKNOWN

PROPOSED COMPOUND DETAIL C1 C2 TOWER ELEVATION C3 WIC DETAILS C4-C4A FOUNDATION DETAILS C5 ICE BRIDGE DETAILS I ICE BRIDGE DETAILS II C7A GENERATOR SPECIFICATIONS I GENERATOR SPECIFICATIONS II C7B C9 ANTENNA MOUNTING DETAILS C10 SIGNAGE DETAILS ELECTRICAL NOTES E1 ONE-LINE DIAGRAM

F5 GROUNDING DETAILS I GROUNDING DETAILS II APPENDIX PROPOSED MOUNT SPECIFICATIONS

INDEX OF SHEETS

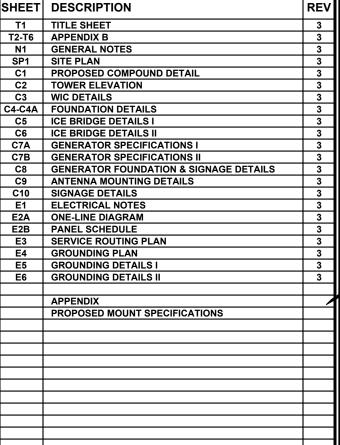


2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455 OFFICE: (336) 286-6163 NOC #: (800) 638-2822

PLANS PREPARED FOR:



3001 MILLS STREET LAFAYETTE, LA 70507





326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net

N.C. LICENSE # P-1403

3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
- 1	10-15-20	PRELIMINARY
0	09-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY:



October 28, 2020



SHEET NUMBER:

REVISION: 3

TEP#: 47297.4443

CONTACT INFORMATION

2018 APPENDIX B **BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS**

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Decision	ATO T 200 702 FA # 12002141				
5	AT&T 368-762 FA# 12682141 H PRINCE ROAD, FUQUAY VAI	DINIA NC		Zin Co.	do 27526
) 540 0007		de <u>27526</u>
	d Agent: KEN WELKER (AT&T)	`	´		
Owned By:		//County	⊠ Private	☐ Sta	
Code Enforcemen	nt Jurisdiction: L City		County_ HARN	ETT Sta	te
CONTACT:	T	ower Engineering Profe	essionals		
DESIGNER Architectural	FIRM	NAME	LICENSE #	TELEPHONE # ()	E-MAIL
Civil	Tower Engineering Professionals	Scott C. Brantley	048226	(919) 661-6351	sbrantley@tepgroup.net
Electrical	Tower Engineering Professionals	Mark S. Quakenbush	042109	(<u>919</u>) <u>661-6351</u>	mquakenbush@tepgroup
Fire Alarm				()	
Plumbing Mechanical					
	pe				
Structural					
Retaining Walls >	>5' High			()	
Other				()	
("Other" should in	nclude firms and individua	ls such as truss, p	recast, pre-enginee	ered, interior design	gners, etc.)
CONSTRUC RENOVATI OCCUPANCY (☐ 1st Tim ☐ Shell/C proced ☐ Phased possibl ING BUILDING CODE: CTED: (date) ED: (date) CATEGORY (Table 1604	te Interior Comple Core - Contact the tures and requirem Construction - St te additional proce EXISTING: Alteration: CURREN PROPOS	tion local inspection juents nell/Core- Contact dures and requirer Prescriptive Level I Historic Propert T OCCUPANCY ED OCCUPANC	the local inspection ments Repair Level II y ((S) (Ch. 3):	on jurisdiction for Chapter 14 Level III Change of Use
BASIC BUILDID Construction Ty (check all that app Sprinklers: Standpipes: Fire District: Special Inspection	pe:	☐ I ☐ II Flood Hazard A Yes (Contact th	☐ III ☐ Wet	Dry Yes jurisdiction for ac	

	Gross Building Area Table	
FLOOR	EXISTING (SQ FT) NEW (SQ FT)	SUB-TOTAL
3 rd Floor	N/A	
2 nd Floor	N/A	
Mezzanine	N/A	
1 st Floor	96 SQ FT CONCRETE PA	AD .
Basement	N/A 96 SQ FT CONCRETE PA	D
TOTAL	96 SQ F1 CONCRETE PA	AD
	ALLOWABLE AREA	
Primary Occup	pancy Classification(s): Select one Select o	elect one Select one Select one
Assembly	\square A-1 \square A-2 \square A-3 \square A-4 \square A-5	
Business		
Educationa	1 🔲	
Factory	F-1 Moderate F-2 Low	_
Hazardous	☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H	H-4 Health H-5 HPM
Institutiona	l	
	☐ I-2 Condition ☐ 1 ☐ 2	
	\square I-3 Condition \square 1 \square 2 \square 3 \square 4 \square 5	
	☐ I-4	
Mercantile		
Residential		
Storage	S-1 Moderate S-2 Low High-piled	
TTATIS 1	Parking Garage Open Enclosed Repair Garag	ge
•	Miscellaneous	
•	upancy Classification(s): N/A	
Incidental Uses	` '	
• `	Chapter 4 – List Code Sections): N/A	
•	ons: (Chapter 5 – List Code Sections): N/A	
Mixed Occupa	ncy: No Yes Separation:	Exception:
☐ No	n-Separated Use (508.3) - The required typ	the building shall be determined by
	applying the	ns for each of the applicable
	constru	The most restrictive type of ply to the entire building.
	constitution and applications and applications and applications are applications are applications and applications are applications are applications and applications are applic	
∐ Ser		ory, the area of the occupancy shall tual floor area of each use divided by not exceed 1.
Actu	ual Area of Occupan	≤ 1
	ible Area of Occupancy	
	70	
		+ = ≤ 1.00

2018 NC Administrative Code and Policies



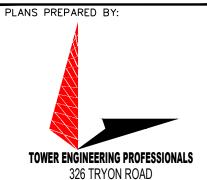
PLANS PREPARED FOR:



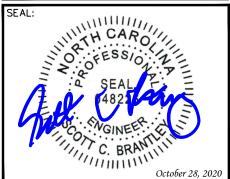
PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
RFV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

APPENDIX B

SHEET NUMBER:

REVISION: 3

TEP#: 47297.44433

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ST	ORY	DESCRIPTION AND	(A)	(B)	(C)	(D)
1	NO.	USE	BLDG AREA PER	TABLE 506.24	REA FOR FRONTAGE	ALLOWABLE AREA PER
			STORY (ACTUAL)	AREA	INCREASE ^{1,5}	STORY OR UNLIMITED ^{2,3}
					70	
Fronta	ige area	increases from Sect	ion 506.2 are	Li. Air		
a.	Perim	eter which fronts a p	ublic way	4. 11.	feet minimum width	=(F)
b.	Total	Building Perimeter		· 65//		
c.	Ratio	(F/P) =	(F/ y	~ ~ //		

c. Ratio (F/P) = ___

d. W = Minimum width of pub

e. Percent of frontage increas

² Unlimited area applicable under con-

³ Maximum Building Area = total number

W/30 = (%) W/30 = (%) W/307. In the building x D (maximum3 stories) (506.2). W/307. Comply with Table 406.5.4. The maximum area of air traffic ⁴ The maximum area of open parking garag control towers must comply with Table 412...1.

⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

	ALLOWABLE HEIGHZ	
	ALLOWABLE	CODE REFERENCE
Building Height in Feet (Table 504.3)		
Building Height in Stories (Table 504.4)		
¹ Provide code reference if the "Shown on Plans" quan	tity is not by	

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE		RATING	DETAIL#	DESIGN#	SHEET # FOR	SHEET #
	SEPARATION	REQ'D	PROVIDED	AND	FOR	RATED	FOR
	DISTANCE		(W/* REDUCTION)	SHE	RATED	PENETRATION	RATED
	(FEET)		REDUCTION)	/ / \	ASSEMBLY		JOINTS
Structural Frame,							
including columns, girders, trusses				. (' > >>		
Bearing Walls			_//	.4'			
Exterior				0,,	/		
North				N ^V //			
East			4.7	N			
West			6				
South		//	· • /				
Interior			~' //				
Nonbearing Walls and			REDUCTION) REDUCTION				
Partitions]	1 /					
Exterior walls			//				
North							
East							
West				·// `			
South				_	• //		
Interior walls and partitions				70	າ //		
Floor Construction							
Including supporting beams				Y	(
and joists		/	71.1				
Floor Ceiling Assembly		_//	````				
Columns Supporting Floors							
Roof Construction, including supporting beams and joists			OTABL				
Roof Ceiling Assembly							
Columns Supporting Roof			-//				
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation	i.a						
Occupancy/Fire Barrier Separat	1011						
Party/Fire Wall Separation							
Smoke Barrier Separation Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

* Indicate section number permitting reduction

2018 NC Administrative Code and Policies



2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



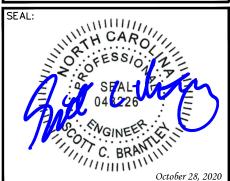
PROJECT INFORMATION:

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538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # P-1403



CONSTRUCTION 10-28-20 PRELIMINARY 10-23-20 DATE ISSUED FOR: REV

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

APPENDIX B

SHEET NUMBER:

REVISION: 3

TEP#: 47297.44433

2018 NC Administrative Code and Policies

	PERCENTAGE OF WA	LL OPENING CALCUL	ATIONS
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8) LIE LIE es Par	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
		(4)	
	JIP.		
	LIE PO	REQUIREMENTS	
Emergency Lighting:			
Exit Signs:	« .o^//		
Fire Alarm: Smoke Detection Systems:	es \square Par	rial	
Panic Hardware:	Yes		
	LIFE SAFETY PLAN R	EQUIREMENTS	
Life Safety Plan Sheet #:			
Fire and/or smoke rated v	` ' '		
	ty line locations (if not on the a with respect to distance to a	A 11 (705	9)
	as with respect to distance to a area as it relates to occupant learea es (1017) istances (Tables 1006 leave area des in indicate area es (1017) and the area ectromas gress locks (1	ion (Table 1004	
Occupant loads for each	area	Jon (Table 100)	.1.2)
Exit access travel distance	es (1017)	CA	
☐ Common path of travel d	istances (Tables 1006		
Dead end lengths (1020.4	4)		
Clear exit widths for each	n exit door		
Maximum calculated occ	upant load	an accommodate base	ed on egress width (1005.3)
Actual occupant load for A separate schematic pla	each exy	oor/ooiling and/or roof atmy	oturo ia providad for
purposes of occupancy se	en A	oor/ceiling and/or roof struc	cture is provided for
Location of doors with pa	(O) (O)		
Location of doors with de	elayed and the an	nount of delay (1010.1.9.7)	
Location of doors with el		010.1.9.9)	
	ed with hold-open devices		
Location of emergency e			
The square footage of each		ou 100 .1	· 10= =)
	ch smoke compartment for Oc	• •	
Note any code exception:	s or table notes that may have	been utilized regarding the i	items above

ACCESSIBLE DWELLING UNITS (SECTION 1107) TOTAL ACCESSIBLE ACCESSIBLE TYPE A TYPE B TOTAL MOTABUILDING Units ACCESSIBLE UNITS UNITS Units Units PROVIDED REQUIRED PROVIDED PROVIDED LOT OR PARKING TOTAL # OF PARKING ESSIBLE SPACES PROVIDED TOTAL# REQUIRED VAN SPACES WITH ACCESSIBLE 8' ACCESS PROVIDED AISLE TOTAL

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		W	WATERCLOSETS URINALS		LAVATORIES		SHOWERS	DRINKING FOUNTAINS		
		MALE	FEMALE	UNISEX		MALE FEM	UNISEX	/TUBS	REGULAR	ACCESSIBLE
SPACE	EXIST'G									
	NEW									
	REQ'D						C			
						7/ .				
					SPE A	11. 'II.\				
Special :	approval:	(Local	Jurisdictio		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ABUILD!	DPI, DHHS	S, etc., des	cribe below	·)
pecial	approval:	(Local	Jurisdictio			ABUIL	DPI, DHHS	S, etc., des	cribe below	·)

2018 NC Administrative Code and Policies



PLANS PREPARED FOR:

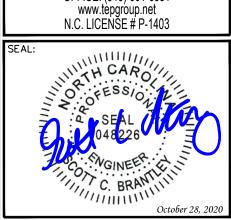


PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





REV	DATE	ISSUED FOR:
2	10-23-20	PRELIMINARY
3	10-28-20	CONSTRUCTION

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

APPENDIX B

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TEP#: 47297.44433

2018 NC Administrative Code and Policies

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard ference design vs annual energy cost for the proposed design.

Existing building envelope complies with code:
Exempt Building: No Yes (Provide code or
Climate Zone: 3A 4A
Method of Compliance: Energy
ASV Ance Prescriptive Arce here)
Existing building envelope complies with code: Descriptive
Root/ceiling Assembly (each ass
Description of assembly: U-Value of total assembly: R-Value of insulation: Skylights in each assembly: U-Value of skylight: total square footage of skylights in each assembly:
Exterior Walls (each assembly)
Description of assembly: U-Value of total assembly: R-Value of insulation: Openings (windows or doors with glazing) U-Value of assembly: Solar heat gain coefficient: projection factor: Door R-Values: Walls below grade (each assembly) Description of assembly: U-Value of total assembly R-Value of insulation Floors over uncondition Description of assembly: U-Value of total assembly: U-Value of total assembly: U-Value of total assembly: Description of assembly: U-Value of total assembly: Description of assembly: U-Value of total assembly: Description of assembly: Description of assembly: U-Value of total assembly: U-Value of total assembly: Description of assembly:
Walls below grade (each assembly)
Description of assembly: U-Value of total assemble R-Value of insulation
Floors over uncondition
Description of assa U-Value of total assa R-Value of insulation:
Floors slab on grade
Description of assembly: U-Value of total assembly: R-Value of insulation: Horizontal/vertical requirement: slab heated:

2018 NC Administrative Code and Policies

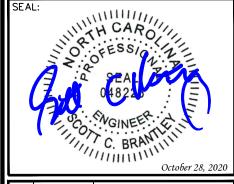
2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS STRUCTURAL DESIGN

(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:	
<u> </u>	Snow (I _S) Seismic (I _E)
N	Roof psf Mezzanine psf Floor
Ground Snow Load:	psf
	Wind Speed sure Category St%g
SEISMIC DESIGN CATEGORY:	
Provide the following Seismic Design Risk Category (Table 160 Spectral Response Acc	%g III □ IV S ₁ %g
Site Classification (ASCE) Data Source	B C D E F e: Fest Presumptive Historical Data
Basic structural system	Caring Wall Dual w/Special Moment Frame Dual w/Intermediate R/C or Special Steel Moment Frame Inverted Pendulum
Analysis Procedure:	☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical,	, Components anchored?
LATERAL DESIGN CONTROL:	Earthquake Wind
SOIL BEARING CAPACITIES: Field Test (provide copy of t Presumptive Bearing capacit Pile size, type, and capacity	test report) psf ty psf

2018 NC Administrative Code and Policies





RFV	DATE	ISSUED FOR:				
2	10-23-20	PRELIMINARY				
3	10-28-20	CONSTRUCTION				

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

APPENDIX B

SHEET NUMBER:

REVISION:

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

	Zone			
W	inter dry bulb:	//		
SI	ımmer dry bulb:			
Interior d	esign conditions	NOT A BI		
W	inter dry bulb:) *//	
	ımmer dry bulb:	, V ,		
	lative humidity:	. ~ //		
	ooling load:			
	al Spacing Conditionin	ig System		
U	nitary			
	description of unit:			
	heating efficiency:			
	1:CC-:			
	cooling efficiency:			
р	size category of unit:			
В	size category of unit:	rsized state reason	•	
	size category of unit:	rsized, state reason	u:	

2018 NC Administrative Code and Policies

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN

(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT
Method of Compliance: Energy Code Perf
Method of Compliance: Energy Code ASHRAE 90.1 Perconstitute Perconstitut
Lighting schedule (each fixture type)
lamp type required in fixtur
number of lamps in fixty ballast type used in the
number of ballasts
total wattage per
total interior www (whole building or space by space)
total exterior wah.
Additional Efficiency Package ons
(When using the 2018 NCECC; not required for ASHRAE 90.1)
C406.2 More Efficient HVAC Equipment Performance
C406.3 Reduced Lighting Power Density
C406.4 Enhanced Digital Lighting Controls
C406.5 On-Site Renewable Energy C406.6 Dedicated Outdoor Air System
C406.7 Reduced Energy Use in Service Water Heating

2018 NC Administrative Code and Policies



2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

APPENDIX B

SHEET NUMBER:

T-6

REVISION:

- 1. ALL REFERENCES MADE TO OWNER IN THESE DOCUMENTS SHALL BE CONSIDERED AT&T OR IT'S DESIGNATED REPRESENTATIVE
- 2. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE OF NORTH CAROLINA.
- 3. THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH ANSI/TIA-222-H. THIS CONFORMS TO THE REQUIREMENTS OF THE NORTH CAROLINA BUILDING CODE, 2018 EDITION.
- 4. WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE, 2018 EDITION.
- 5. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS, OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
- ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- 7. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE STRUCTURE AND IT'S COMPONENT PARTS DURING ERECTION AND/OR FIELD MODIFICATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
- 8. ALL DIMENSIONS, ELEVATIONS, AND EXISTING CONDITIONS SHOWN ON THE DRAWINGS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BEGINNING ANY MATERIALS ORDERING, FABRICATION OR CONSTRUCTION WORK ON THIS PROJECT. CONTRACTOR SHALL NOT SCALE CONTRACT DRAWINGS IN LIEU OF FIELD VERIFICATION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE PROCEDURES.
- 9. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK. RENTAL CHARGES, SAFETY, PROTECTION AND MAINTENANCE OF RENTED EQUIPMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 11. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE AT&T PROJECT MANAGER.
- 12. BILL OF MATERIALS AND PART NUMBERS LISTED ON CONSTRUCTION DRAWINGS ARE INTENDED TO AID CONTRACTOR/OWNER. CONTRACTOR/OWNER SHALL VERIFY PARTS AND QUANTITIES WITH MANUFACTURER PRIOR TO BIDDING AND/OR ORDERING MATERIALS.
- 13. ALL PERMITS THAT MUST BE OBTAINED ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- 14. 24 HOURS PRIOR TO THE BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE APPLICABLE JURISDICTIONAL (STATE, COUNTY OR CITY) ENGINEER.
- 15. THE CONTRACTOR SHALL REWORK (DRY, SCARIFY, ETC.) ALL MATERIAL NOT SUITABLE FOR SUBGRADE IN ITS PRESENT STATE. AFTER REWORKING, IF THE MATERIAL REMAINS UNSUITABLE, THE CONTRACTOR SHALL UNDERCUT THIS MATERIAL AND REPLACE WITH APPROVED MATERIAL. ALL SUBGRADES SHALL BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK PRIOR TO PAVING. ANY SOFT MATERIAL SHALL BE REWORKED OR REPLACED.
- 16. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PIPES, DITCHES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURE IN OPERABLE CONDITION.
- 17. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHILE WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY GOVERNING AGENCY INSPECTORS.

- 18. ANY BUILDINGS ON THIS SITE ARE INTENDED TO SHELTER EQUIPMENT WHICH WILL ONLY BE PERIODICALLY MAINTAINED AND ARE NOT INTENDED FOR HUMAN OCCUPANCY.
- 19. TEMPORARY FACILITIES FOR PROTECTION OF TOOLS AND EQUIPMENT SHALL CONFORM TO LOCAL REGULATIONS AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 20. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL CARRY LIABILITY INSURANCE IN THE AMOUNTS AND FORM IN ACCORDANCE WITH AT&T SPECIFICATIONS. CERTIFICATES DEMONSTRATING PROOF OF COVERAGE SHALL BE PROVIDED TO AT&T PRIOR TO THE START OF THE WORK ON THE PROJECT.
- 21. THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY SERVICES TO VERIFY LOCATIONS OF EXISTING UTILITIES AND REQUIREMENTS FOR NEW UTILITY CONNECTIONS PRIOR TO EXCAVATING.
- 22. THE CONTRACTOR SHALL MAINTAIN THE JOB CLEAR OF TRASH AND DEBRIS. ALL WASTE MATERIALS SHALL BE REMOVED FROM THE SITE PRIOR TO SUBSTANTIAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL FURNISH ONE 55 GALLON BARREL, AND TRASH BAGS, AND SHALL REMOVE TRASH, DEBRIS, ETC., ON A DAILY BASIS.
- 23. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS WITH THOSE AT THE SITE. ANY VARIATION WHICH REQUIRES PHYSICAL CHANGE SHALL BE BROUGHT TO THE ATTENTION OF THE AT&T PROJECT ENGINEER FOR FACILITIES/CONSTRUCTION.
- 24. THE CONTRACTOR SHALL GUARANTEE THE WORK PERFORMED ON THE PROJECT BY THE CONTRACTOR AND ANY OR ALL OF THE SUBCONTRACTORS WHO PERFORMED WORK FOR THE CONTRACTOR ON THIS PROJECT. THE GUARANTEE SHALL BE FOR A FULL YEAR FOLLOWING ISSUANCE OF THE FINAL PAYMENT OF RETAINAGE. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE YEAR FROM ACCEPTANCE DATE.



2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



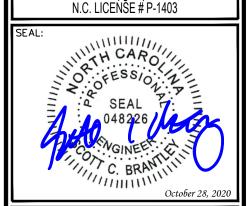
LAFAYETTE, LA 70507

PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





www.tèpgroup.net

3 10-28-20 CONSTRUCTION
2 10-23-20 PRELIMINARY
REV DATE ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JK

SHEET TITLE:

GENERAL NOTES

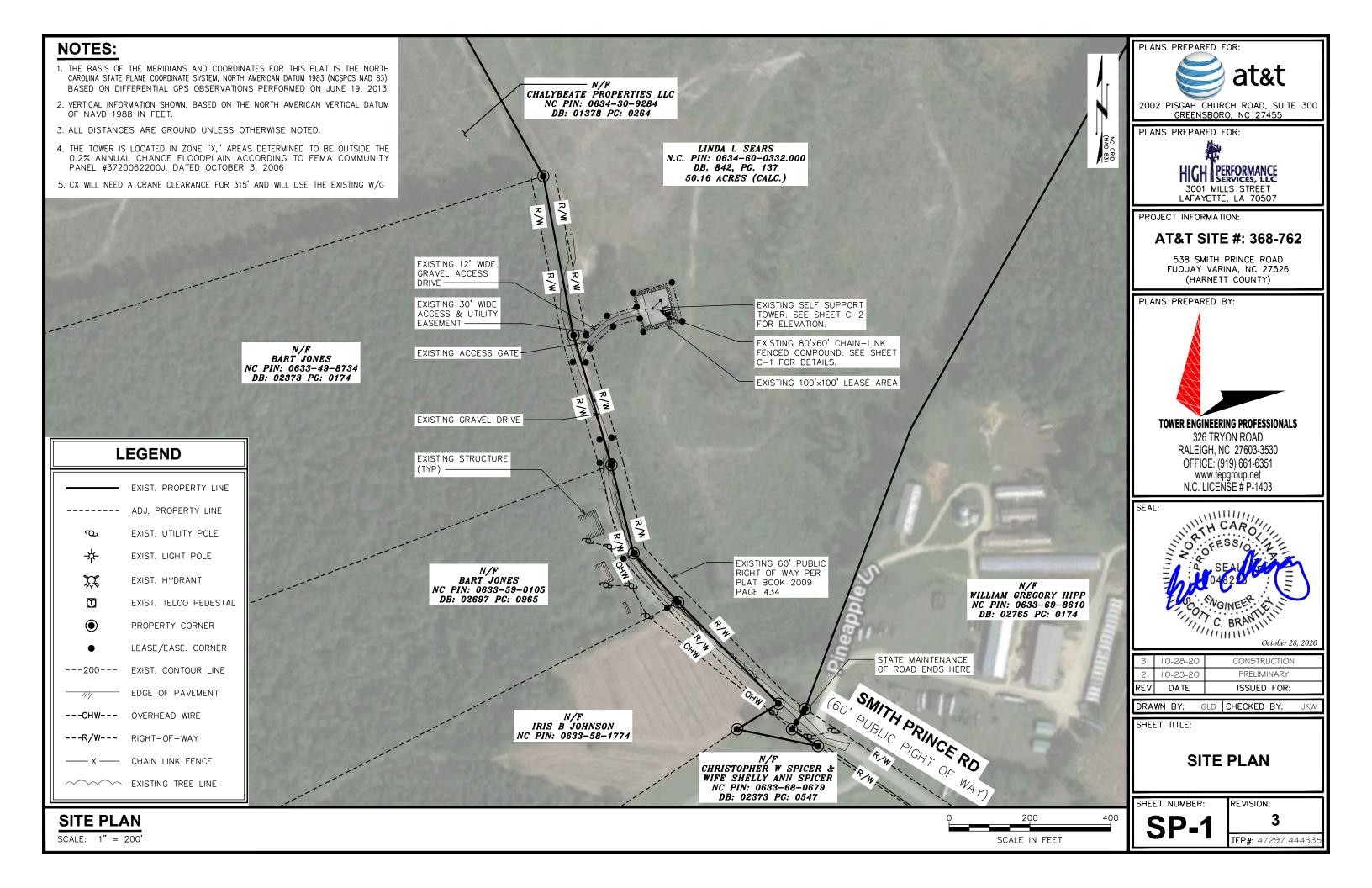
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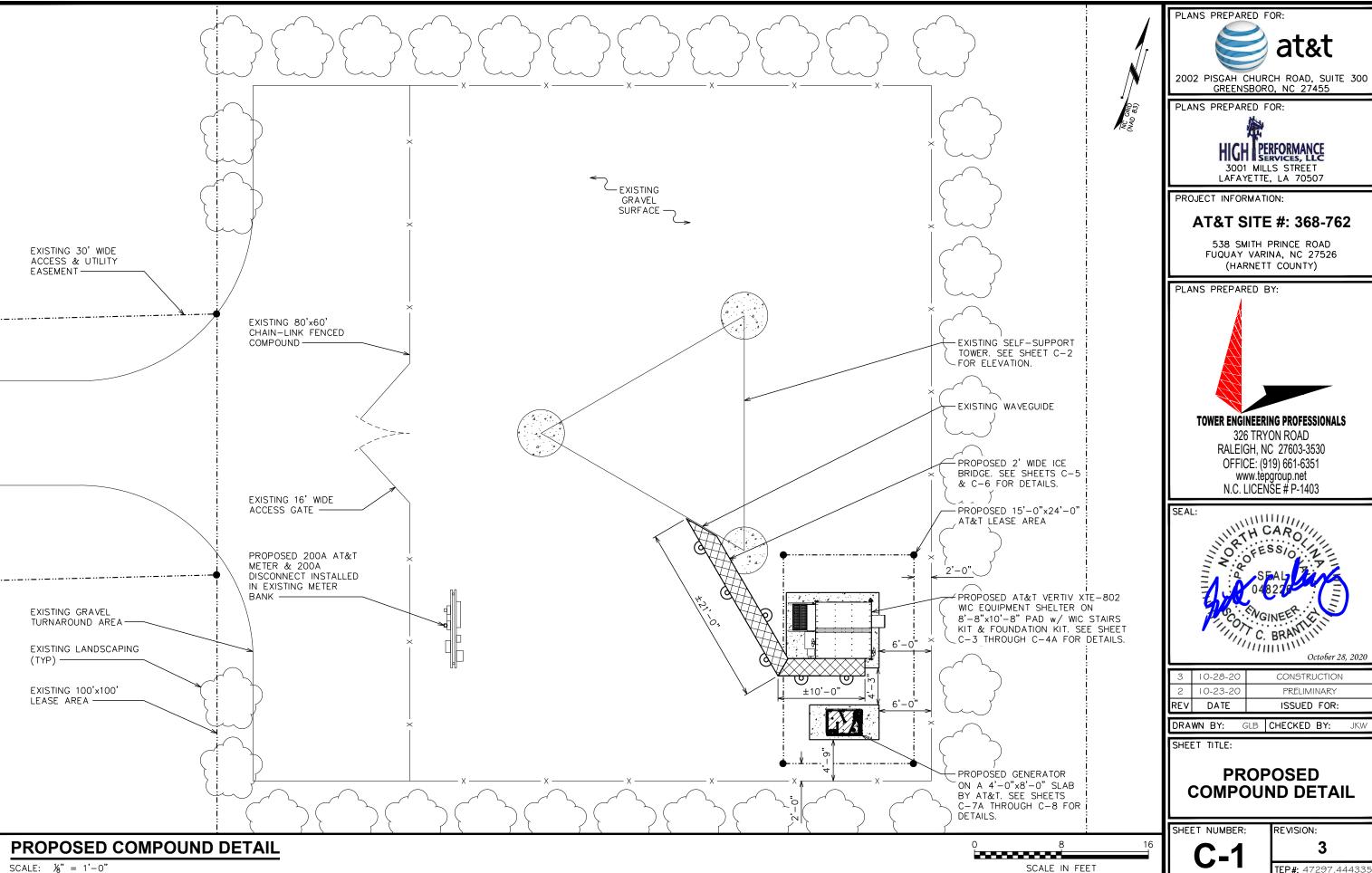
N-1

REVISION:

TEP#: 47297.444335

GENERAL NOTES





PLANS PREPARED FOR: at&t

PLANS PREPARED FOR:



LAFAYETTE, LA 70507

PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # P-1403



10-28-20 CONSTRUCTION PRELIMINARY 10-23-20 DATE ISSUED FOR:

GLB CHECKED BY: DRAWN BY:

SHEET TITLE:

PROPOSED COMPOUND DETAIL

SHEET NUMBER:

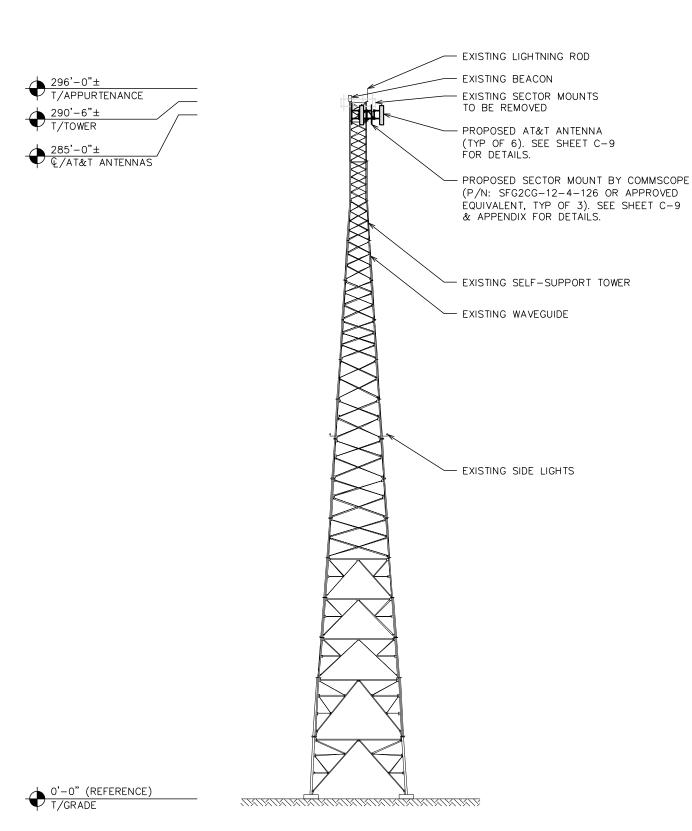
REVISION:

TEP#: 47297.4443

October 28, 2020

NOTES:

- 1. PROPOSED CABLES TO BE ROUTED PER SPECIFICATIONS OF STRUCTURAL ANALYSIS.
- 2. TOWER DRAWING IS ONLY A GRAPHIC REPRESENTATION OF THE STRUCTURE. THE ACTUAL TOWER IN THE FIELD MAY VARY.
- 3. PER ANTENNA MOUNT ANALYSIS REPORT COMPLETED BY SMW ENGINEERING GROUP, INC, DATED AUGUST 14, 2020, THE PROPOSED MOUNT CAN ADEQUATELY SUPPORT THE PROPOSED LOADING.
- 4. CX WILL NEED A CRANE CLEARANCE FOR 315' AND WILL USE THE EXISTING W/G.





PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



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RALEIGH, NC 27603-3530

OFFICE: (919) 661-6351

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N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

TOWER ELEVATION

SHEET NUMBER:

REVISION:

1 TEP#: 47297.4443

TOWER ELEVATION

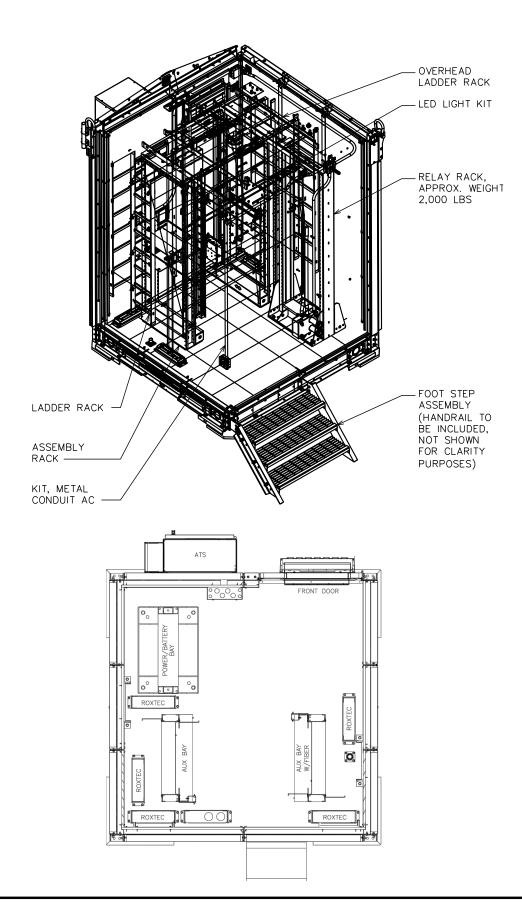
SCALE: 1" = 40'

0 40 80

SCALE IN FEET

NOTE:

REFER TO MANUFACTURER'S INSTALLATION SPECIFICATIONS FOR MORE DETAILS.





PLANS PREPARED FOR:



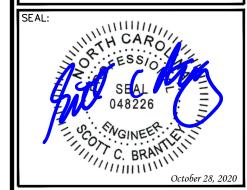
PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
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N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

WIC DETAILS

SHEET NUMBER:

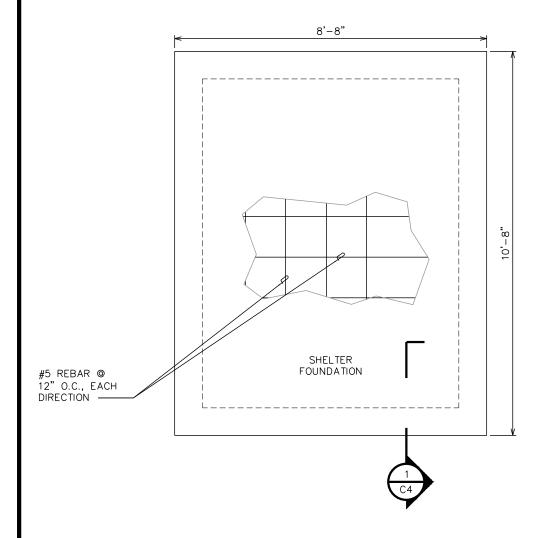
REVISION:

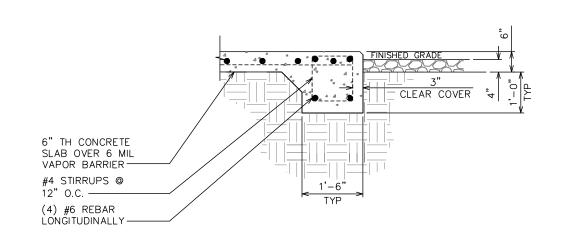
3 TEP#: 47297.4443

VERTIV XTE-802 WIC DETAILS

FOUNDATION NOTES:

- 1. FOUNDATION DESIGN BASED ON 2,000 PSF SOIL BEARING CAPACITY.
- 2. CONCRETE SHALL BE 3,000 PSI @ 28 DAYS.
- 3. REINFORCING STEEL Fy = 60,000 PSI.
- 4. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO A MINIMUM OF 95% DENSITY USING THE MODIFIED PROCTOR METHOD.
- 5. SURFACE OF FINISHED SLAB SHALL BE LEVEL AND FLAT WITHIN χ ".
- 6. CONTRACTOR SHALL VERIFY WITH MANUFACTURER ACTUAL DIMENSIONS OF EQUIPMENT PRIOR TO LAYING OUT FOUNDATION.
- 7. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318-14.







2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



www.tepgroup.net N.C. LICENSE # P-1403 THE C. BRIDE October 28, 2020

OFFICE: (919) 661-6351

REV DATE ISSUED FO	P.
2 10-23-20 PRELIMINAR	Ϋ́
3 10-28-20 CONSTRUCT	ION

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

FOUNDATION DETAILS

SHEET NUMBER:

REVISION:

3 TEP#: 47297.4443

FOUNDATION PLAN DETAIL

SCALE: N.T.S.

SHELTER FOUNDATION SECTION CUT DETAIL

GENERAL STRUCTURAL NOTES:

SPECIFICATION/CODES:

- 1. CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE ACI CODE.
- 2. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".
- 3. DESIGN SHALL BE PER NORTH CAROLINA BUILDING CODE, 2018 EDITION.

FOUNDATION NOTES:

- FOUNDATION DESIGN BASED ON 2000 PSF SOIL BEARING CAPACITY. IF OTHER CONDITIONS EXIST, FOUNDATION SHALL BE REDESIGNED. CONTRACTOR SHALL HAVE SOIL BEARING CAPACITY VERIFIED BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES.
- 2. CONCRETE SHALL BE 4,000 PSI.
- 3. REBAR Fy = 60,000 PSI.
- 4. ALL BACKFILL SHALL BE THOROUGHLY COMPACTED TO A MINIMUM OF 95% DENSITY USING THE MODIFIED PROCTOR



PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





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3	10-28-20	CONSTRUCTION				
2	10-23-20	PRELIMINARY				
RΕV	DATE	ISSUED FOR:				

DRAWN BY: GLB CHECKED BY:

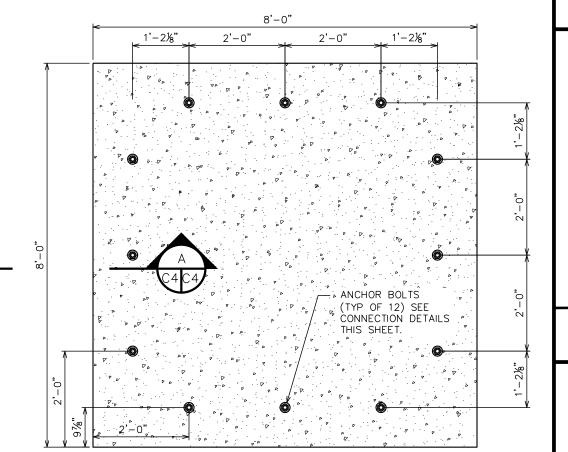
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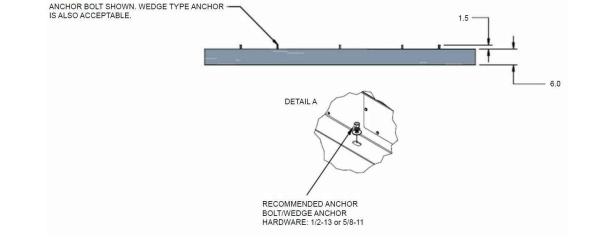
FOUNDATION DETAILS

SHEET NUMBER:

REVISION:

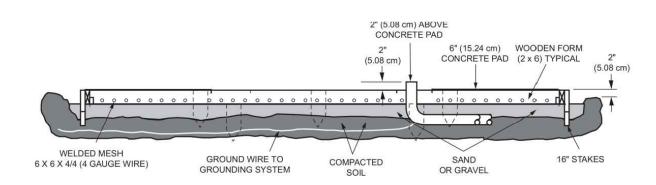
3 TEP#: 47297.4443





CONNECTION DETAIL

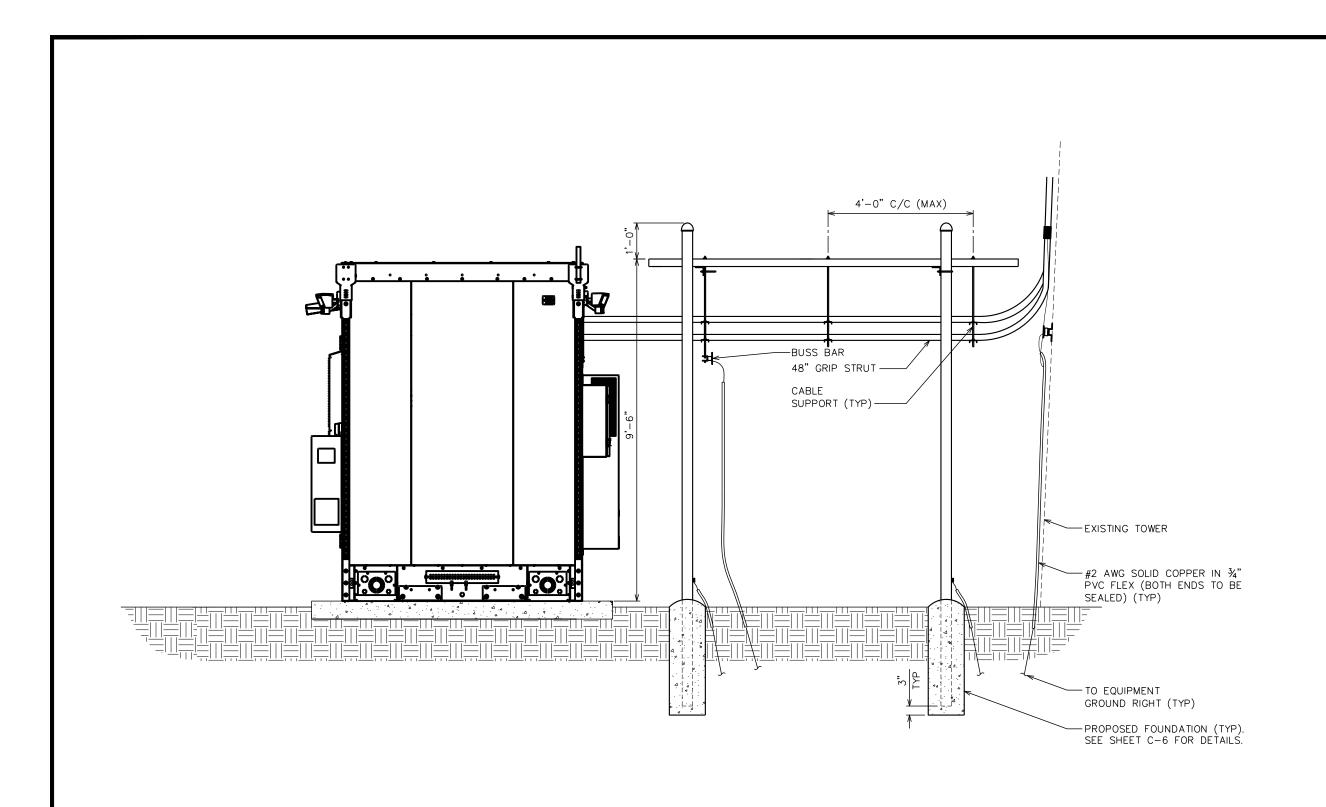
SCALE: N.T.S.





PAD SECTION







2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



LAFAYETTE, LA 70507

PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





TOWER ENGINEERING PROFESSIONALS

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CONSTRUCTION 10-28-20 PRELIMINARY 10-23-20 DATE ISSUED FOR: REV

GLB CHECKED BY: DRAWN BY:

SHEET TITLE:

ICE BRIDGE DETAILS I

SHEET NUMBER:

SCALE IN FEET

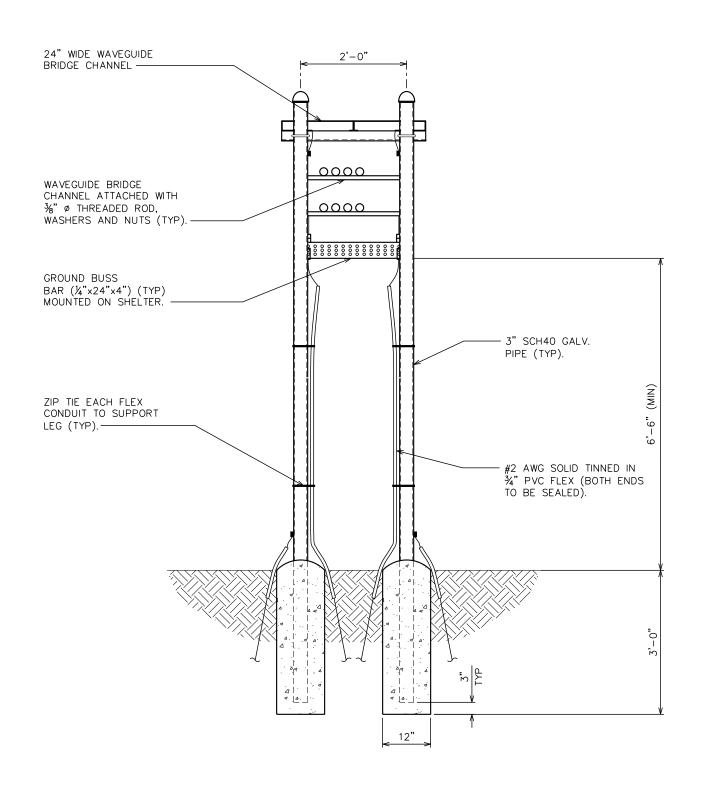
REVISION:

3 TEP#: 47297.4443

October 28, 2020

ICE BRIDGE DETAILS - SIDE VIEW

SCALE: $\frac{3}{8}$ " = 1'-0"





PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net
N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

ICE BRIDGE DETAILS II

SHEET NUMBER:

SCALE IN FEET

REVISION:

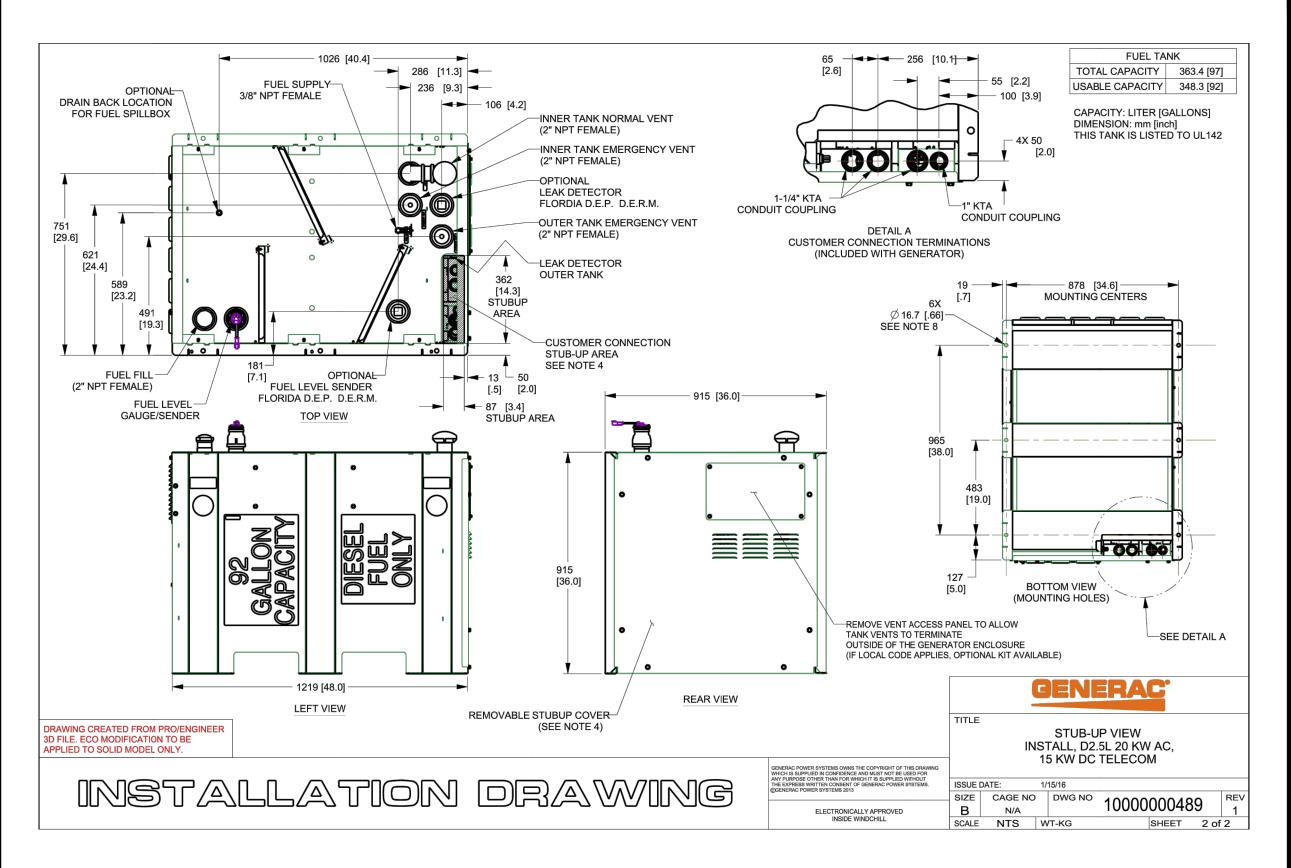
C-6

3

TEP#: 47297.444335

ICE BRIDGE DETAILS - FRONT VIEW

SCALE: $\frac{1}{2}$ " = 1'-0"





2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # P-1403



3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
RΕV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

GENERATOR SPECIFICATIONS I

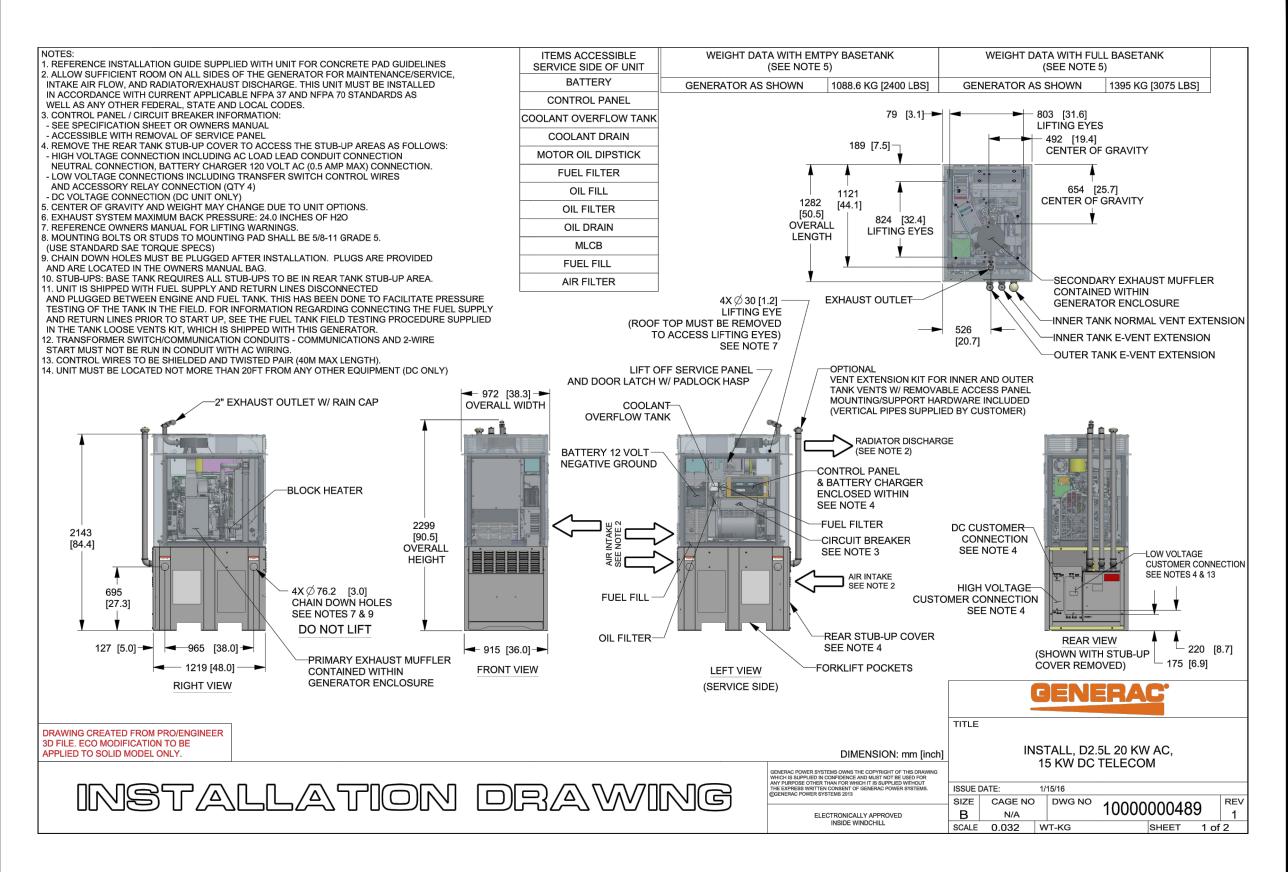
SHEET NUMBER:

REVISION:

TEP#: 47297.44433

GENERATOR SPECIFICATIONS

SCALE: N.T





PROJECT INFORMATION:

AT&T SITE #: 368-762

HIGH PERFORMANCE

3001 MILLS STREET

LAFAYETTE, LA 70507

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

GENERATOR SPECIFICATIONS II

SHEET NUMBER

REVISION:

TEP#: 47297.44433

GENERATOR SPECIFICATIONS

4'-0"

NOTE:

THESE PLACARDS ARE REQUIRED TO BE INSTALLED ON PROPOSED GENERATOR FREE OF ANY OBSTRUCTION AS TO BE CLEARLY VISIBLE WITHIN COMPOUND







FOR FUEL & OTHER ENVIRONMENTAL EMERGENCIES CALL EH&S 1-800-566-9347 (1-800-KNOW-EHS) HIGH PERFORMANCE
3001 MILLS STREET
LAFAYETTE, LA 70507

PROJECT INFORMATION:

AT&T SITE #: 368-762

PLANS PREPARED FOR:

PLANS PREPARED FOR:

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)

at&t

2002 PISGAH CHURCH ROAD, SUITE 300

GREENSBORO, NC 27455

PLANS PREPARED BY: TOWER ENGINEERING PROFESSIONALS

326 TRYON ROAD

RALEIGH, NC 27603-3530

OFFICE: (919) 661-6351

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N.C. LICENSE # P-1403



3 | 10-28-20 | CONSTRUCTION 2 | 10-23-20 | PRELIMINARY REV | DATE | ISSUED FOR:

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

GENERATOR FOUNDATION & SIGNAGE DETAILS

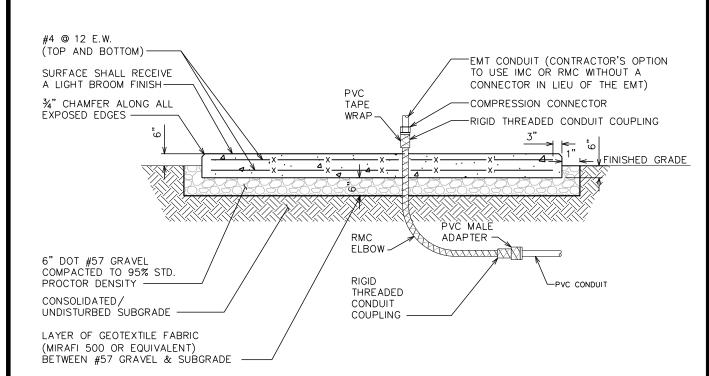
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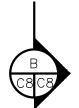
REVISION:

TEP#: 47297.44433

PROPOSED GENERATOR SIGNAGE

SCALE: N.T.S.

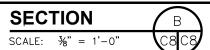


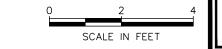


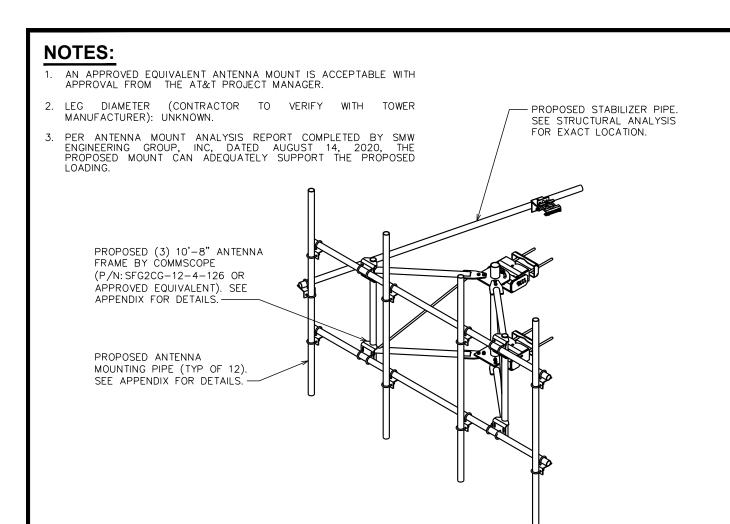
GENERATOR FOUNDATION

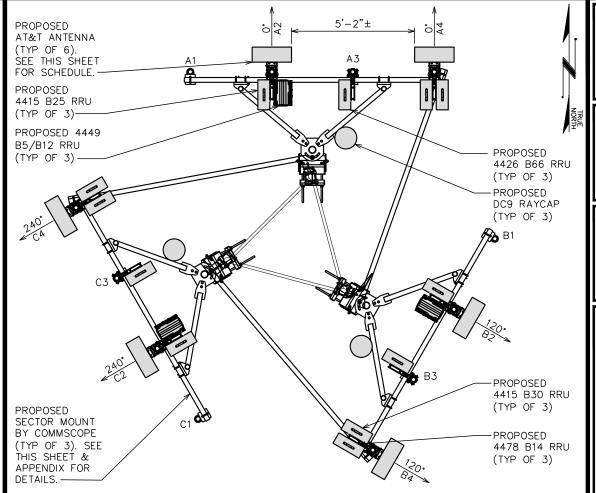
SCALE: $\frac{3}{4}$ " = 1'-0"











PROPOSED MOUNT DETAIL

SCALE: N.T.S.

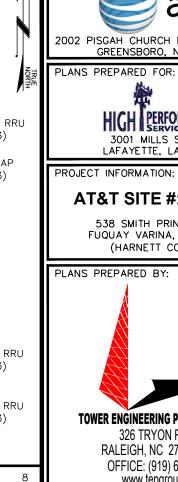
PROPOSED ANTENNA ORIENTATION SCALE: $\frac{1}{4}$ " = 1'-0" SCALE IN FEET

GENERAL NOTES:

- THIS ANTENNA ORIENTATION PLAN IS A SCHEMATIC. THE CONTRACTOR SHALL VERIFY TOWER ORIENTATION AND FIELD COORDINATE REQUIRED ADJUSTMENTS TO ACHIEVE THE DESIRED ANTENNA AZIMUTHS.
- 2. ANTENNA CENTERLINE HEIGHT BASED ON TOP OF FOOTING ELEVATION.
- 3. ALL ANTENNAS, CABLES AND MOUNTS SHALL BE INSTALLED IN ACCORDANCE WITH THE STRUCTURAL ENGINEER'S RECOMMENDATIONS IN A MANNER CONSISTENT WITH THE STRUCTURAL ANALYSIS REPORT.
- 4. ALL ANTENNA BRACKETS PER ANTENNA MANUFACTURER, OR EQUAL. CONTRACTOR TO COORDINATE REQUIRED MECHANICAL DOWN TILT WITH AT&T.
- 5. ALL ANTENNA INFORMATION TO BE CONFIRMED WITH AT&T RF DESIGN PRIOR TO INSTALLATION.
- 6. TEP DID NOT PERFORM A STRUCTURAL ANALYSIS ON THE MOUNT OR THE TOWER. IT IS THE CARRIER'S RESPONSIBILITY TO ENSURE MOUNT AND TOWER CAN SUPPORT ADDITIONAL
- 7. EXISTING LOADING INFORMATION PROVIDED BY HIGH PERFORMANCE, AT&T RFDS ID: 4066802.
- 8. CABLE LENGTH TAKEN FROM AT&T RFDS. CONTRACTOR TO VERIFY LENGTH PRIOR TO ORDERING MATERIALS.

	PROPOSED ANTENNA/CABLE SCHEDULE											
ANT. MARK	SECTOR	TECH.	STATUS	MANUFACTURER/ MODEL #	DIMS (HxWxD)	AZIMUTH (TN)	RAD CENTER	ELEC. D-TILT	COAX/ CABLE	CABLE LENGTH	SURGE PROTECTION	RRU MODEL
A2	ALPHA	LTE 700 LTE AWS LTE 1900	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	0°	285'	2° 2° 2°	(1) 0.39"ø FIBER ₂₄ (2) 0.92"ø DC POWER	336'	(1) DC9-48- 60-24-8C-EV	(1) 4449 B5/B12 (1) 4426 B66 (1) 4415 B25
A4	ALPHA	LTE 700 LTE WCS	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	0°	285'	2° 2°	-	-	SHARED	(1) 4478 B14 (1) 4415 B30
B2	BETA	LTE 700 LTE AWS LTE 1900	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	120°	285'	2° 2°	(1) 0.39"ø FIBER ₂₄ (2) 0.92"ø DC POWER	336'	(1) DC9-48- 60-24-8C-EV	(1) 4449 B5/B12 (1) 4426 B66 (1) 4415 B25
B4	BETA	LTE 700 LTE WCS	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	120°	285'	2° 2°	-	-	SHARED	(1) 4478 B14 (1) 4415 B30
C2	GAMMA	LTE 700 LTE AWS LTE 1900	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	240°	285'	2° 2°	(1) 0.39"ø FIBER ₂₄ (2) 0.92"ø DC POWER	336'	(1) DC9-48- 60-24-8C-EV	(1) 4449 B5/B12 (1) 4426 B66 (1) 4415 B25
C4	GAMMA	LTE 700 LTE WCS	PROPOSED	COMMSCOPE NNH4-65C-R6-V3	H 96.0" W 19.6" D 7.8"	240°	285'	2° 2°	-	-	SHARED	(1) 4478 B14 (1) 4415 B30

PROPOSED ANTENNA/CABLE SCHEDULE



PLANS PREPARED FOR: at&t 2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





N.C. LICENSE # P-1403

3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

ANTENNA MOUNTING DETAILS

SHEET NUMBER:

REVISION: 3

property of



AUTHORIZED PERSONNEL ONLY!

In case of emergency or prior to performing maintenance on this site, call 1-800-638-2822 and reference cell site number:

1) WHITE/BLUE BACKGROUND W/ BLACK LETTERING QUANTITY: (1)

SIZE: 9"X12"

(TO BE MOUNTED ON EQUIPMENT SHELTER DOOR ADJACENT TO COMPOUND ENTRY - SEE NOTE 3)

DO NOT CLIMB TOWER WITHOUT OWNER'S WRITTEN PERMISSION

(3) WHITE BACKGROUND W/ RED LETTERING
QUANTITY: (1)

(TO BE MOUNTED AT EYE LEVEL ON TOWER NEAR SAFETY CLIMB)

NOTICE



Radio Frequency fields beyond this point may exceed the FCC general public exposure limit.

OBEY ALL POSTED SIGNS AND SITE GUIDELINES FOR WORKING IN RADIO FREQUENCY ENVIRONMENTS

In accordance with Federal Communications Commission rule on radio frequency exposure 47 CFR 1.1307(b)

- 2 WHITE/BLUE BACKGROUND W/ BLACK LETTERING
 - QUANTITY: (1)

(TO BE MOUNTED AT EYE LEVEL ON TOWER NEAR SAFETY CLIMB)

000

- (4) WHITE BACKGROUND W/ BLACK LETTERING
 E911 STREET #
 QUANTITY: (1 TYP)
 LETTERS MUST BE A MINIMUM 6" TALL
 (TO BE MOUNTED ON THE GATE OF COMPOUND)
- (1) SITE IDENTIFICATION SIGN
- (2) FCC/RF EXPOSURE SIGN
- (3) TOWER CLIMBING SIGN
- (4) STREET ADDRESS SIGN

NOTES:

- SIGNS SHALL MEASURE 8"x12", BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING UV RESISTANT COATINGS.
- 2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.
- 3. AT&T SITE # AND EMERGENCY CONTACT # SHALL BE MOUNTED ON THE EQUIPMENT SHELTER DOOR ADJACENT TO THE COMPOUND ENTRY WITH PERMANENT SET ADHESIVE. TWO-SIDED TAPE SHALL BE UTILIZED AT EACH CORNER ON THE BACKSIDE TO AID PLACEMENT UNTIL ADHESIVE SETS.
- 4. ADDITIONAL E911 ADDRESS SIGNS ARE REQUIRED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF. LETTERING ON 911 ADDRESS SIGNS MUST BE A MINIMUM OF 6" TALL.
- 5. ADDITIONAL FCC REGISTRATION # SIGNS ARE REQUIRED AT EACH ACCESS ROAD GATE LEADING TO THE COMPOUND AS WELL AS ON THE COMPOUND GATE ITSELF.
- 6. RECOMMENDED SOURCE FOR OBTAINING SIGNAGE:

ST. CLAIR SIGNS 3184 WADE HAMPTON BLVD. TAYLORS, SC 29687 (864) 244-0040 RF EXPOSURE SIGNS RICHARD TELL ASSOCIATES 3433 RINGSTAR ROAD, SUITE 3 NORTH LAS VEGAS, NV 89030 (702) 645-3338



HIGH PERFORMANCE SERVICES, LLC 3001 MILLS STREET

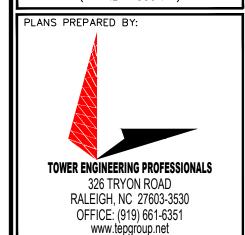
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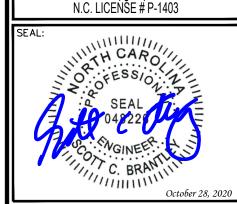
PLANS PREPARED FOR:

AT&T SITE #: 368-762

LAFAYETTE, LA 70507

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





2 10-23-20 PRELIMINARY	
3 10-28-20 CONSTRUCTION	

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

SIGNAGE DETAILS

SHEET NUMBER

REVISION:

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TEP#: 47297.444335

TYPICAL SIGNS AND SPECIFICATIONS

SCOPE:

1. PROVIDE LABOR, MATERIALS, INSPECTION, AND TESTING TO PROVIDE CODE COMPLIANCE FOR ELECTRIC, TELEPHONE, AND GROUNDING/LIGHTNING SYSTEMS.

- 1. THE INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND CODES. THESE INCLUDE BUT ARE NOT LIMITED TO THE LATEST ADOPTED EDITIONS OF:
 - A. THE NATIONAL ELECTRICAL SAFETY CODE
- D. LOCAL AND STATE AMENDMENTS
- B. THE NATIONAL ELECTRIC CODE NFPA-70 C. REGULATIONS OF THE SERVING UTILITY COMPANY
- E. THE INTERNATIONAL ELECTRIC CODE -
- IEC (WHERE APPLICABLE)
- 2. PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR.
- 3. AFTER COMPLETION AND FINAL INSPECTION OF THE WORK, THE OWNER SHALL BE FURNISHED A CERTIFICATE OF COMPLETION AND APPROVAL.

TESTING:

1. UPON COMPLETION OF THE INSTALLATION, OPERATE AND ADJUST THE EQUIPMENT AND SYSTEMS TO MEET SPECIFIED PERFORMANCE REQUIREMENTS. THE TESTING SHALL BE DONE BY QUALIFIED PERSONNEL.

GUARANTEE:

- 1. IN ADDITION TO THE GUARANTEE OF THE EQUIPMENT BY THE MANUFACTURER, EACH PIECE OF EQUIPMENT SPECIFIED HEREIN SHALL ALSO BE GUARANTEED FOR DEFECTS OF MATERIAL OR WORKMANSHIP OCCURRING DURING A PERIOD OF ONE (1) YEAR FROM FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND WITHOUT EXPENSE TO THE OWNER
- 2. THE WARRANTEE CERTIFICATES & GUARANTEES FURNISHED BY THE MANUFACTURERS SHALL BE TURNED OVER TO THE OWNER.

UTILITY CO-ORDINATION:

1. CONTRACTOR SHALL COORDINATE WORK WITH THE POWER AND TELEPHONE COMPANIES AND SHALL COMPLY WITH THE SERVICE REQUIREMENTS OF EACH UTILITY COMPANY.

EXAMINATION OF SITE:

1. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL VISIT THE SITE OF THE JOB AND SHALL FAMILIARIZE HIMSELF WITH THE CONDITIONS AFFECTING THE PROPOSED ELECTRICAL INSTALLATION AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. FAILURE TO COMPLY WITH THE INTENT OF THIS SECTION WILL IN NO WAY RELIEVE THE CONTRACTOR OF PERFORMING THE WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM OR SYSTEMS.

CUTTING. PATCHING AND EXCAVATION:

- 1. COORDINATION OF SLEEVES, CHASES, ETC., BETWEEN SUBCONTRACTORS WILL BE REQUIRED PRIOR TO THE CONSTRUCTION OF ANY PORTION OF THE WORK. CUTTING AND PATCHING OF WALLS, PARTITIONS, FLOORS, AND CHASES IN CONCRETE, WOOD, STEEL OR MASONRY SHALL BE DONE AS PROVIDED ON THE DRAWINGS.
- 2. NECESSARY EXCAVATIONS AND BACKFILLING INCIDENTAL TO THE ELECTRICAL WORK SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWING.
- 3. SEAL PENETRATIONS THROUGH RATED WALLS, FLOORS, ETC., WITH APPROVED METHOD AS LISTED BY UL.

RACEWAYS / CONDUITS GENERAL:

- CONDUCTORS SHALL BE INSTALLED IN LISTED RACEWAYS. CONDUIT SHALL BE RIGID STEEL, EMT, SCH40 PVC, OR SCH80PVC AS INDICATED ON THE DRAWINGS. THE RACEWAY SYSTEM SHALL BE COMPLETE COMPLETE BEFORE INSTALLING CONDUCTORS.
- 2. EXTERIOR RACEWAYS AND GROUNDING SLEEVES SHALL BE SEALED AT POINTS OF ENTRANCE AND EXIT. THE RACEWAY SYSTEM SHALL BE BONDED PER NEC.

EXTERIOR CONDUIT:

- 1. EXPOSED CONDUIT SHALL BE NEATLY INSTALLED AND RUN PARALLEL OR PERPENDICULAR TO STRUCTURAL ELEMENTS. SUPPORTS AND MOUNTING HARDWARE SHALL BE HOT DIPPED GALVANIZED STEEL.
- 2. THE CONDUIT SHALL BE RIGID STEEL AT GRADE TRANSITIONS OR WHERE EXPOSED TO DAMAGE.
- 3. UNDERGROUND CONDUITS SHALL BE RIGID STEEL, SCH40 PVC, OR SCH80 PVC AS INDICATED ON THE DRAWINGS.
- 4. BURIAL DEPTH OF CONDUITS SHALL BE AS REQUIRED BY CODE FOR EACH SPECIFIC CONDUIT TYPE AND APPLICATION, BUT SHALL NOT BE LESS THAN THE FROST DEPTH AT THE SITE.
- 5. CONDUIT ROUTES ARE SCHEMATIC. CONTRACTOR SHALL FIELD VERIFY ROUTES BEFORE BID. COORDINATE ROUTE WITH WIRELESS CARRIER AND/OR BUILDING OWNER.

INTERIOR CONDUIT:

- 1. CONCEALED CONDUIT IN WALLS OR INTERIOR SPACES ABOVE GRADE MAY BE EMT OR PVC.
- 2. CONDUIT RUNS SHALL USE APPROVED COUPLINGS AND CONNECTORS. PROVIDE INSULATED BUSHING FOR ALL CONDUIT TERMINATIONS. CONDUIT RUNS IN A WET LOCATION SHALL HAVE WATERPROOF FITTINGS.
- 3. PROVIDE SUPPORTS FOR CONDUITS IN ACCORDANCE WITH NEC REQUIREMENTS. CONDUITS SHALL BE SIZED AS REQUIRED BY NEC

EQUIPMENT:

- 1. DISCONNECT SWITCHES SHALL BE SERVICE ENTRANCE RATED, HEAVY DUTY TYPE.
- 2. CONTRACTOR SHALL VERIFY MAXIMUM AVAILABLE FAULT CURRENT AND COORDINATE INSTALLATION WITH THE LOCAL UTILITY BEFORE STARTING WORK. CONTRACTOR WILL VERIFY THAT EXISTING CIRCUIT BREAKERS ARE RATED FOR MORE THAN AVAILABLE FAULT CURRENT AND REPLACE AS NECESSARY.
- 3. NEW CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AS DETERMINED BY THE LOCAL UTILITY.

CONDUCTORS:

- 1. FURNISH AND INSTALL CONDUCTORS SPECIFIED IN THE DRAWINGS. CONDUCTORS SHALL BE COPPER AND SHALL HAVE TYPE THWN (MIN) (75° C) INSULATION, RATED FOR 600 VOLTS.
- 2. THE USE OF ALUMINUM CONDUCTORS SHALL BE LIMITED TO THE SERVICE FEEDERS INSTALLED BY THE UTILITY.
- 3. CONDUCTORS SHALL BE PROVIDED AND INSTALLED AS FOLLOWS:
 - A. MINIMUM WIRE SIZE SHALL BE #12 AWG.
 - CONDUCTORS SIZE #8 AND LARGER SHALL BE STRANDED. CONDUCTORS SIZED #10 AND #12 MAY BE SOLID OR STRANDED.
 - CONNECTION FOR #10 AWG #12 AWG SHALL BE BY TWISTING TIGHT AND INSTALLING INSULATED PRESSURE OR WIRE NUT CONNECTIONS.
 - D. CONNECTION FOR #8 AWG AND LARGER SHALL BE BY USE OF STEEL CRIMP-ON SLEEVES WITH NYLON INSULATOR.
- 3. CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC STANDARDS.

UL COMPLIANCE:

1. ELECTRICAL MATERIALS, DEVICES, CONDUCTORS, APPLIANCES, AND EQUIPMENT SHALL BE LABELED/LISTED BY UL OR ACCEPTED BY JURISDICTION (I.E., LOCAL COUNTY OR STATE) APPROVED THIRD PARTY TESTING AGENCY.

GROUNDING:

- 1. ELECTRICAL NEUTRALS, RACEWAYS AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250. THIS SHALL INCLUDE NEUTRAL CONDUCTORS, CONDUITS, SUPPORTS, CABINETS, BOXES, GROUND BUSSES, ETC. THE NEUTRAL CONDUCTOR FOR EACH SYSTEM SHALL BE GROUNDED AT A SINGLE POINT.
- 2. PROVIDE GROUND CONDUCTOR IN RACEWAYS PER NEC.

GLOBAL POSITIONING SYSTEM

INTERIOR GROUND RING (HALO)

PERSONAL COMMUNICATION SYSTEM

ISOLATED GROUND BAR

NATIONAL ELECTRIC CODE

GROUND

PHASE

PANEL

ΚW

NEC

PCS

РΗ

PNL

KILOWATTS

- 3. PROVIDE BONDING AND GROUND TO MEET NFPA 780 "LIGHTNING PROTECTION" AS A MINIMUM.
- 4. PROVIDE GROUNDING SYSTEM AS INDICATED ON THE DRAWINGS, AS REQUIRED BY THE NATIONAL ELECTRIC CODE, RADIO EQUIPMENT MANUFACTURERS, AND MOTOROLA R56 (AS APPLICABLE).

ABBREVIATIONS AND LEGEND

PNIBD - PANFIBOARD AMPERE ABOVE FINISHED GRADE - RIGID NON-METALLIC CONDUIT - AUTOMATIC TRANSFER SWITCH RGS RIGID GALVANIZED STEEL CONDUIT AMERICAN WIRE GAUGE SW SWITCH BARE COPPER WIRE BCW TGB TOWER GROUND BAR BFG BELOW FINISHED GRADE UNDERWRITERS LABORATORIES UL BKR BREAKER V VOLTAGE CONDUIT W WATTS CKT - CIRCUIT XFMR - TRANSFORMER DISCONNECT XMTR - TRANSMITTER EXTERNAL GROUND RING ELECTRIC METALLIC TUBING ---E--- UNDERGROUND ELECTRICAL CONDUIT FLEXIBLE STEEL CONDUIT GENERATOR

----T--- UNDERGROUND TELEPHONE CONDUIT KILOWATT-HOUR METER UNDERGROUND BONDING AND GROUNDING CONDUCTOR. GROUND ROD CADWELD GROUND ROD WITH INSPECTION WELL



2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:



PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tepgroup.net N.C. LICENSE # P-1403



CONSTRUCTION PRFLIMINARY DATE ISSUED FOR:

DRAWN BY: GLB CHECKED BY:

SHEET TITLE:

ELECTRICAL NOTES

SHEET NUMBER:

REVISION:

GENERAL NOTES:

- 1. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT.
- 2. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS.
- 3. ONE-LINE DIAGRAM IS FOR SCHEMATIC PURPOSES ONLY AND IS NOT INDICATIVE OF THE ACTUAL EQUIPMENT LAYOUT.
- 4. CONTRACTOR SHALL LABEL METER SOCKET WITH SERVICE OWNER NAMEPLATE WITH 1/2" HEIGHT MINIMUM LETTERS.
- 5. ALL EQUIPMENT WILL HAVE A MINIMUM AIC OF 10 KA. CONTRACTOR TO DETERMINE AVAILABLE FAULT CURRENT BEFORE ENERGIZING EQUIPMENT. THE AMOUNT OF AVAILABLE FAULT CURRENT SHALL BE MARKED ON THE SERVICE EQUIPMENT PER NEC 110.24.
- 6. CONTRACTOR WILL NOTIFY UTILITY COMPANY OF CHANGES IN ELECTRICAL LOAD.
- 7. GROUNDING ELECTRODE CONDUCTOR IS SIZED FOR A SINGLE 200A SERVICE ONLY. IF METER BANK SHARES A COMMON NEUTRAL/GROUND, CONTRACTOR WILL INSTALL (1) 3/0 COPPER GEC INSTEAD.

ONE-LINE DIAGRAM NOTES:

- 1. ELECTRICAL SERVICE SHALL BE 200A, 120/240V, 1ø, 3W.
- FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER
 TO VENDOR PRINTS PROVIDED BY EQUIPMENT MANUFACTURER.





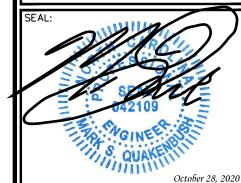
PROJECT INFORMATION:

PLANS PREPARED FOR:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)





3	10-28-20	CONSTRUCTION
2	10-23-20	PRELIMINARY
REV	DATE	ISSUED FOR:

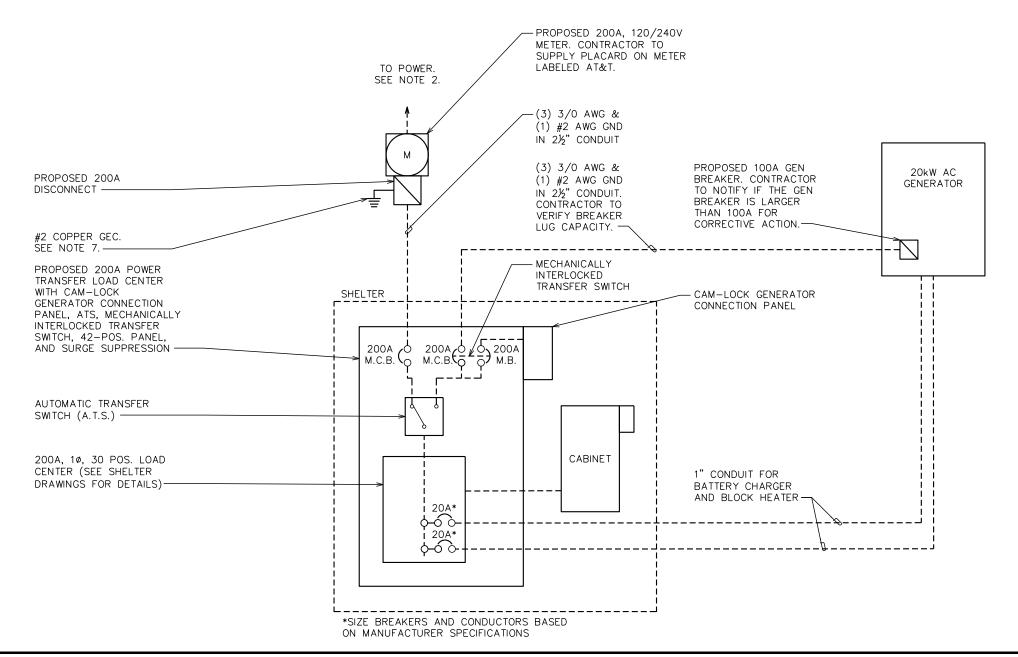
DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

ONE-LINE DIAGRAM

SHEET NUMBER:

REVISION:



LOADING SHOWN TAKEN FROM VERTIV WIC DRAWINGS APPROVED JANUARY 16, 2017

PROPOSED 200A, 120/240 VAC AT&T POWER PANEL SCHEDULE														
LOAD SERVED	VOLT A (WA	MPERES TTS)	WIRE	BR P	EAKER TRIP	CKT #	PHASE	CKT #	BREA TRIP	KER P	WIRE	VOLT A (WA	MPERES TTS)	LOAD SERVED
RECTIFIER #1	2000		10	2	30	1	A	2	20	1	12	360		GFCI RECEPTACLES
<u> </u>	2000	2000				3 5	$\frac{A}{A}$	6	30	2	10	2000	2000	RECTIFIER #3
RECTIFIER #2		2000	10	2	30	7	B	8	20	1	12		1200	GEN. BATTERY CHARGER
BLANK	_		_	_	_	9		10	20	1	12	1000		GEN. BLOCK HEATER
DEAINI						11	B T	12	_	_	_		_	BLANK
BLANK	_		_	_	_	13	<u>-</u>	14		1		-		
	_	_				15 17	$\frac{B}{A}$	16 18		-	_	_	_	BLANK
BLANK	_	-	-	_	_	17		20				_	_	
	_					21		22		-	-	_		BLANK
BLANK		-	-	_	_	23	B	24					-	DLANU
HVAC	1920		12	2	20	25		26		_	_	_		BLANK
TIVAC		1920	12		20	27		28	20	1	12		200	FLOOD LIGHTS
APPLIANCE OUTLETS	180		12	2	20	29		30	_	_	_	_		BLANK
VOLT AMPS	6100	5920										3360	3400	VOLT AMPS
L1 VOLT AMPERES 9460 9320 L2 VOLT AMPERES														
L1 AMPS			S 7	78.8 77.7 L2 AMPS										
78.8 MAX AMPS														
NOTE: 97.9 *MAX AMPS X 125%														
CONTRACTOR TO LIMIT TOTAL AC LOAD TO 20,000 WATTS														



PLANS PREPARED FOR:



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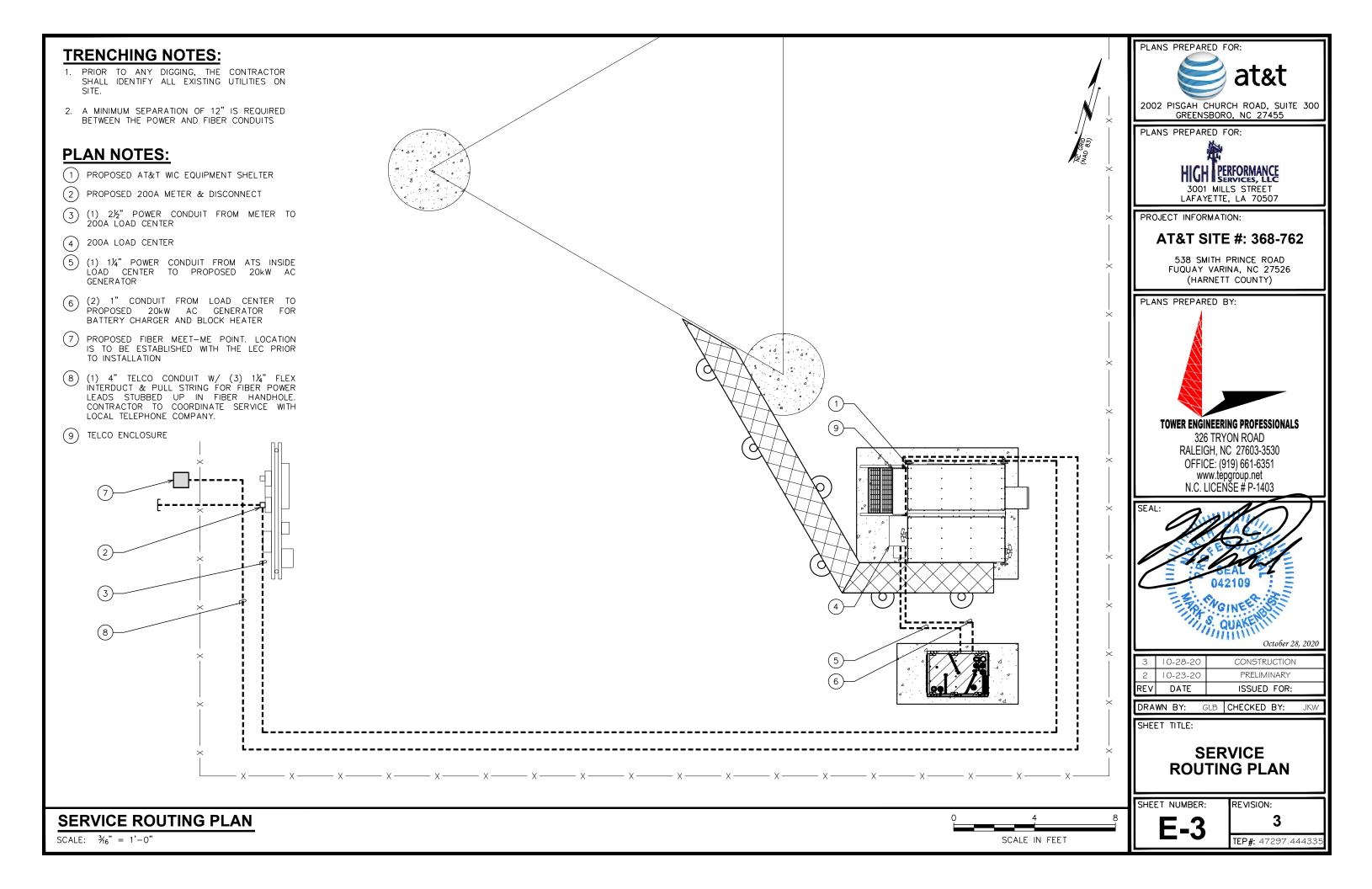
PANEL SCHEDULE

SHEET NUMBER:

REVISION:

TEP#: 47297.44433

PANEL SCHEDULE

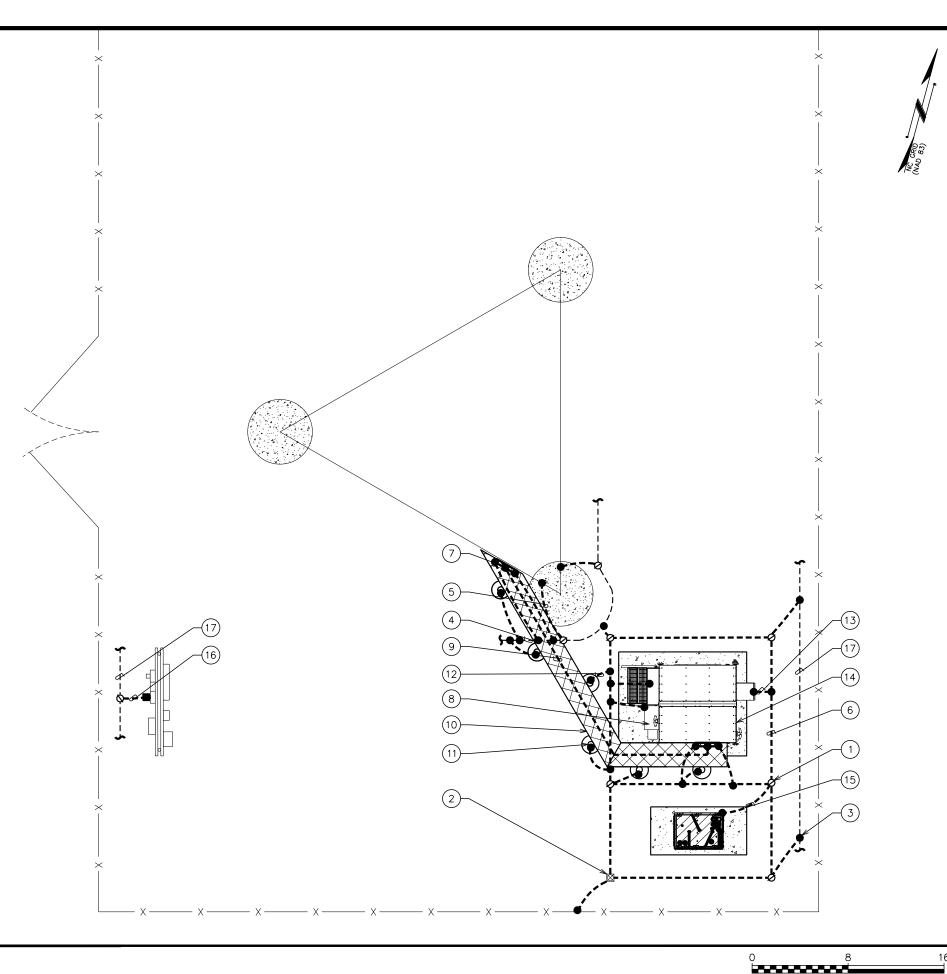


DRAWING NOTES:

- GROUND ROD %"x10' LONG (TYP)
- GROUND ROD WITH INSPECTION WELL (TYP)
- CADWELD (TYP)
- TOWER GROUND RING (CONTRACTOR TO VERIFY)
- (2) #2 AWG SOLID BARE TINNED COPPER BONDS BETWEEN TOWER AND TOWER GROUND RING (INSTALL (2) LEADS ON RING ON EITHER SIDE OF THE GROUND ROD IN OPPOSITE DIRECTIONS ON RING. (1) MINIMUM BOND PER TOWER LEG AND (2) MINIMUM BONDS PER TOWER).
- #2 AWG BARE SOLID BARE TINNED COPPER WIRE GROUND RING (SHELTER)
- PROPOSED BOTTOM TOWER BUS BAR
- PROPOSED ICE BRIDGE BUS BAR
- #2 AWG BARE SOLID TINNED COPPER WIRE BETWEEN BUS BARS
- PROPOSED ICE BRIDGE
- PROPOSED ICE BRIDGE POST (TYP)
- #2 AWG ICE BRIDGE BOND BURIED 30" BFG (TYP)
- HVAC GROUND. MECHANICAL CONNECTIONS AT HVAC UNITS ABOVE GRADE AS ALLOWED BY CODE.
- PROPOSED AT&T WIC EQUIPMENT SHELTER
- #2 AWG BOND BETWEEN GENERATOR AND GROUND RING
- #2 AWG BOND BONDING PROPOSED METER TO EXISTING EARTH GROUND GROUND SYSTEM
- EXISTING EARTH GROUND SYSTEM (CONTRACTOR TO VERIFY)

GROUNDING NOTES

- GROUNDING ELECTRODES SHALL BE CONNECTED IN A RING USING #2 AWG BARE TINNED COPPER WIRE. THE TOP OF THE GROUND RODS AND THE RING CONDUCTOR SHALL BE 2 FEET BELOW FINISHED GRADE. GROUNDING ELECTRODES SHALL BE DRIVEN ON 10'-0" CENTERS. (MIN. 15'-0" MAX)
- 2. BONDING OF THE GROUNDED CONDUCTOR (NEUTRAL) AND THE GROUNDING CONDUCTOR SHALL BE AT THÉ SERVICE DISCONNECTING MEANS/ BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250.30.
- 3. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE GROUNDING SYSTEM IS COMPLETE. THE CONSTRUCTION MANAGER SHALL INSPECT THE GROUNDING SYSTEM PRIOR TO BACKFILLING.





2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:

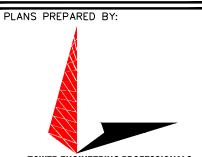


LAFAYETTE, LA 70507

PROJECT INFORMATION:

AT&T SITE #: 368-762

538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



TOWER ENGINEERING PROFESSIONALS 326 TRYON ROAD RALEIGH, NC 27603-3530 OFFICE: (919) 661-6351 www.tèpgroup.net N.C. LICENŠE # P-1403

October 28, 2020

3	10-28-20	CONSTRUCTION
2 EV	10-23-20	PRELIMINARY ISSUED FOR:
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GLB CHECKED BY: DRAWN BY:

SHEET TITLE:

GROUNDING PLAN

SHEET NUMBER:

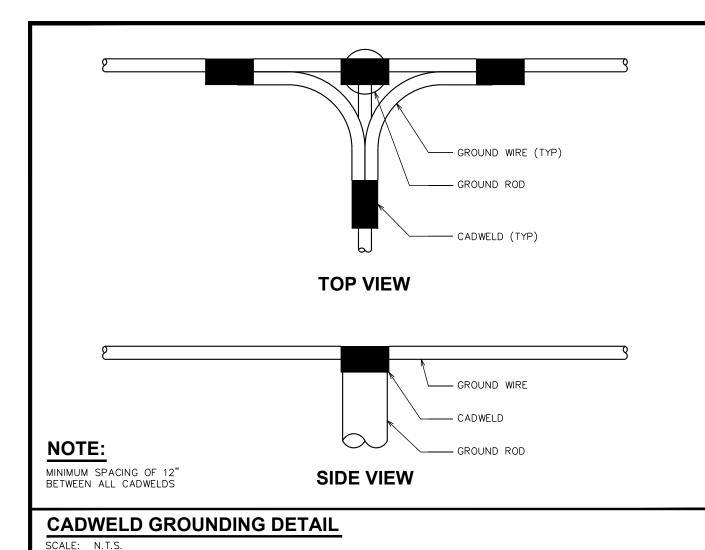
SCALE IN FEET

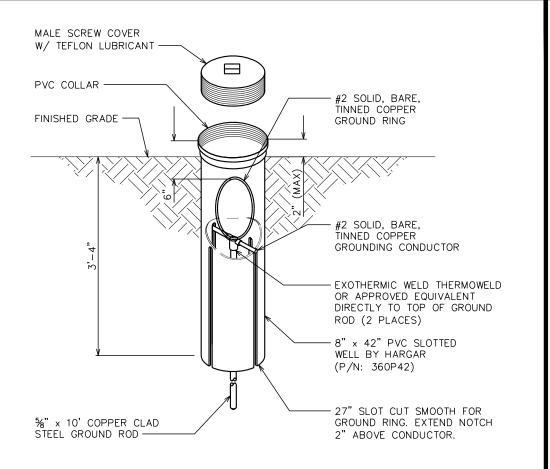
REVISION: 3

TEP#: 47297.4443

TOWER GROUNDING PLAN

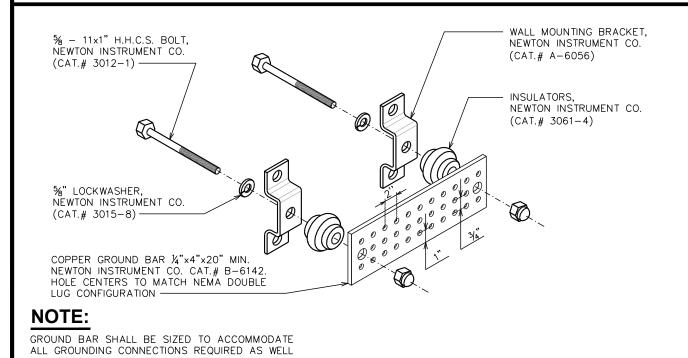
SCALE: $\frac{1}{2}$ " = 1'-0"





GROUND ROD WITH INSPECTION WELL DETAIL

SCALE: N.T.S.



GROUND RING #2 AWG BCW (TINNED) COPPER GROUND ROD (%" Ø x 10'-0" LONG)

COPPER-CLAD STEEL GROUND ROD DETAIL

SCALE: N.T.S.

PLANS PREPARED FOR: at&t

2002 PISGAH CHURCH ROAD, SUITE 300 GREENSBORO, NC 27455

PLANS PREPARED FOR:

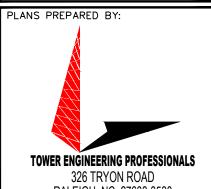


3001 MILLS STREET LAFAYETTE, LA 70507

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538 SMITH PRINCE ROAD FUQUAY VARINA, NC 27526 (HARNETT COUNTY)



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2	10 28 20	CONSTRUCTION

DRAWN BY: GLB CHECKED BY: JKW

SHEET TITLE:

GROUNDING DETAILS I

SHEET NUMBER:

REVISION:

E-5

3 TEP#: 47297.4443

STANDARD GROUND BAR DETAIL

AS PROVIDE 50% SPARE CAPACITY

SCALE: N.T.

SCALE

