

Town of Chapel Hill Office of Planning and Sustainability Development Services 919-969-5066 planning@townofchapelhill.org

Chapel Hill Historic District	Project:	SC-NC-0500
Certificate of Appropriateness Application		18-071
Project Description: Place new 29' AGL (35' CL-3) Fibertech wood pole in ROW on E Franklin St. Please see attached drawings for further details.	Permit:	
		STAFF REVIEW
	X Applica	ition complete and accepted
		ition not complete and ith a notation of deficiencies
	DATE: 9/2	
Instructions: Submit one paper copy and a digital copy of all application materials coll	ated in one f	île (pdf preferred)
Deadlines: Applications are due by the close of business 30 calendar days prior to the	scheduled m	neeting date.
Note: Only complete applications may be accepted for Certificate of Appropriateness complete will be returned with a notation of deficiencies.	review. Appl	ications that are not

A: Prope	erty Informat	tion							
Property	Address:	220 E Frankli	St			Parcel II	Number:	9788543697	
Property	Owner(s):	University o	f N C		1	Email:			
Property	Owner Addre	ss: Property Offi	e UNC						
City:	Chapel Hill	State:	NC	Zip:	27599	Phor	ne:		
Historic D	District : □Car	meron-McCauley	⊠ Frai	nklin-Rosemary	☐ Gimgho	oul	Zoning Dist	rict: OI-4	

B: Ap	pplicant Information	1 1 1 1 1 1 1 1			William Francisco	
Appli	cant: Fiber Technologies Netwo	orks, L.L.C.			Role (owner, architect, other):	
Addr	ess (if different from above): 30	00 Meridian Cen	tre Blvd			
City:	Rochester	State:	NY	Zip:	14618	



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Email: Adrienne.Olson@crowncastle.com	Phone: 585-445-	
	5899	

C. Application Type (check all boxes that apply,				
☐ Minor Work Exterior works that do not involve any substantial alterations, and do not involve additions or removals that could impair the integrity of the property and/or the district as a whole. See Design Guidelines (p. 69) for a list of minor works.				
Historic District Commission Review Includes all exterior changes to structures and features other than minor works				
\square Site-work only (walkways, fencing, walls, etc.)	☐ After-the-fact application (for unauthorized work already performed).			
☐ Restoration or alteration	☐ Demolition or moving of a site feature.			
⊠ New construction or additions	☐ Request for review of new application after previous denial			
□Sign				

D. Basic information about size, scale, and lot placement.

Provide measurements in feet and square feet where applicable. Where possible, please provide accurate measurements from a licensed surveyor, architect, engineer, etc. If exact measurements are not available, please provide estimated information. Current estimated information about lots and buildings can be found on the Orange County Real Estate Data website. Information about lot placement can be found on the Chapel Hill and Orange County Interactive GIS portals.

Zoning District:	N	linimum setb	acks	Maximum heights			Lot size
	Street	Interior	Solar	Primary	Secondary		
Required by zoning	N/A	N/A	N/A	N/A	N/A		
Proposed	16'	N/A	N/A	32'	N/A		
	Existing	Change +/-	Total	Total Flo	or Area Ratio		
Floor Area (main structure)	N/A	N/A	N/A	Existing	Proposed	ISA	/NLA ratio
Floor Area (all other)	N/A	N/A	N/A	N/A	N/A	Existing	Proposed
Impervious Surface Area (ISA)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
New Land Disturbance			N/A		707-0-0		



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E: Applicable Design Guidelines

The Town's <u>Design Guidelines for the Chapel Hill Historic Districts</u> are integral to the application and review process. These guidelines supplement the required review criteria for Certificate of Appropriateness applications (provided in <u>Section 3.6.2(e)(4)</u> of the Land Use Management Ordinance) by providing detailed, practical considerations for how to make changes to properties while preserving the special character of their Historic District context. Please review the Design Guidelines and consider their applicability to your proposed project. (Attach additional sheets, as necessary.)

Section/Page	Topic	Brief description of the applicable aspect of your proposal
9/49	Utilities and Energy Retrofit	By installing a new wood pole that is similar to other wooden poles along E Franklin St, our proposed installation will blend in with the current surroundings and create minimal aesthetic disruption.



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ATTAC TO BE COMP BY APPLIC YES	PLETED		COMPLE	
YES	N/A			
		YES	N/A	NO



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QUESTIONS? Call or email us!

J. Architectural scale.			
4. Photographs of existing conditions are required. Minimum image size 4" x 6" as printed or the digital equivalent. Maximum 2 images per page.			
5. Site Plan Set showing existing and proposed conditions. (Min. scale: 1 in. = 20 ft.) Site plans must show the relationships between, and dimensions of, existing and proposed buildings, additions, sidewalks, walls, fences, driveways, and/or other structures on the property, as well as property lines and			
 applicable zoning setbacks. Include both written and drawn scales and show accurate measurements. You may also use a copy of a survey with surveyor's seal deleted. Revise the copy as needed to show existing conditions and your proposed work. Indicate the area of all structural footprints (existing and proposed) in 			
square feet; also, indicate lot size in square feet.			
6. Elevation Drawings showing existing structural facades and proposed changes. Drawings should be submitted as 11" x 17" or 8-1/2" x 11" reductions of full-size drawings. All details should be reasonably legible. Photographs are okay for facades with no changes.			
 Elevation drawings showing all proposed changes above current grade from front, back, and both sides. 			
Include scale bar, written scale, and label major dimensions (including width of structures and heights from finished grade to fascia/eaves and heights to top of roofs).			
$\ \square$ Label materials to be used (roofing, siding, windows, trim, light fixtures, etc.)			7
7. Information about context (required for all construction of new structures, proposed impervious surfaces greater than 1500 SF, additions greater than 150 SF, and/or proposed land disturbance greater than 5000 SF.) Detailed information about lots and structures can be found on the Orange County Real Estate Data website; information about lot placement can be found on the Chapel Hill and Orange County GIS portals.			
For each of the nearest adjacent and opposite properties, provide:			
\square The height of each building (if an estimate, indicate that).			
 The setbacks and lots placement of each building (an image from the Town GIS database, including scale, is sufficient). 			+
\square The size of each lot (net land area in square feet).			
☐ The size of all buildings on the nearest adjacent and opposite properties, including building footprint areas, Floor Areas (in square feet), and Floor Area Ratios. Provide current figures from Orange County Real Estate Data ; indicate any corrections for accuracy you believe necessary and your basis for doing so.			
8. Demolition/Relocation Information (required only if demolition or relocation of a feature is proposed).			



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QUESTIONS? Call or email us!

 Provide a written description of architectural features, additions, remodeling, and any alterations to the structure(s). Make note of any outbuildings on the site plan of the property. 			
☐ Provide a history of the structure, giving the construction date and architect or carpenter, briefly noting any significant events, persons and/or families associated with the property. Provide current exterior photographs of the property (4" x 6" as printed or the digital equivalent). If information is unknown, please provide a summary of sources consulted.		mant.	
☐ If an argument about structural soundness is being made, attach a signed and sealed report from a professional engineer.			
 As necessary, attach a statement explaining how a delay in demolition would cause the property owner to suffer extreme hardship or be permanently deprived of all beneficial use or return from such property by virtue of the delay. 			
☐ Provide any records about the structure to be demolished.			
9. Mailing notification fee per <u>Planning & Sustainability Fee Schedule</u> . For a list of addresses, please refer to the Town's <u>Development Notification Tool</u> .			
10. Certificate of Appropriateness fee per Planning & Sustainability Fee Schedule			



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G: Applicant signature

I hereby certify that I am authorized to submit this application; that all information is correct to the best of my knowledge, and all work will comply with the State Building Code and all other applicable State and local laws, ordinances, and regulations.

I acknowledge and agree that the Historic District Commission members, Town employees, and Town agents may enter, solely in performance of their official duties and only at reasonable times, upon the applicant's property for examination or survey thereof pursuant to North Carolina General Statute 160A-400.8. However, no member, employee, or agent of the Historic District Commission may enter any private building or structure without the express consent of the owner or occupant thereof.

I understand and agree that an approved Certificate of Appropriateness is valid only for the particular application, plans, specifications and related project details presented to, and approved by, the Historic District Commission. If any of the data contained in this application, any plans or any specifications presented to the Commission are changed or altered for any reason, including, but not limited to, changes or alternations deemed practically necessary during construction, required due to subsequent Town reviews, or otherwise, a new hearing before the Historic District may be required. By signing below, the applicant agrees to notify the Development Services Center of any changes or alternations in the data contained in this application, the approved plans or the approved specifications related to the project that is the subject of this application.

Hearings on Certificate of Appropriateness applications before the Commission are quasi-judicial proceedings. Therefore, Historic District Commission members are not permitted to discuss a pending application with the applicant or other party. By signing below, the applicant agrees to refrain from speaking with or contacting any member of the Historic District Commission about an application outside of the formal evidentiary hearing on the application.

Adrienne Olson			
Fiber Technologies Networks, L.L.C.	alum	COM 8/31/18	
Applicant (printed name)	Signature	Date /	
Property Owner	Signature	Date	
(if different from above)			



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Certificate of Appropriateness Supplemental Requirements

*In addition to Residential Zoning OR Administrative Zoning Compliance Permit Requirements

Certificate of Appropriateness applications are subject to review and approval by the Historic District Commission as well as by Town staff. For assistance with this application, please contact the Chapel Hill Planning Department.

Please submit *all* **materials listed** <u>on this sheet</u>. The Historic District Commission meets on the second Tuesday of each month at 6:30 pm. For confirmation of a meeting date and the placement of your request on the agenda, please call the Planning Department. **Applications are due one month in advance of meeting.**

Application Process:

- 1. Historic District Commission Review of Certificate of Appropriateness (COA) Supplemental materials
- 2. Staff review of Residential / Administrative Zoning Compliance Permit (ZCP) materials
- **COA (step 1) and ZCP (step 2) materials may be submitted simultaneously or separately.

Required Application Materials

(In addition to Residential Zoning Compliance Permit or Administrative Zoning Compliance Permit Requirements)

An Electronic copy of each document is required in addition to paper copies.

Provide a single set of the following materials:

1. Application Form. Either Residential Zoning Compliance or Administrative Zoning Compliance.
2. Recorded plat or deed verifying property's current ownership
3. Recorded plat of easements, right-of-way, and dedications, if applicable
4. Mailing List of Property Owners, applicable within 100 feet of property boundaries The Town will prepare a formal notice to be mailed to surrounding property owners about the application. You may find it helpful to discuss the proposed changes with your neighbors in person so you can address their concerns both in your planning and presentation.
 5. Mailing notification fee. The fee per address can be found on the <u>Planning Department's Fee Schedule</u>. 6. Certificate of Appropriateness fee per <u>Planning Department's Fee Schedule</u>
7. Reduced Site Plan Set (reduced to 8.5" x 11")
8. Building Elevations (label building height from top of roof to finished grade line)
9. Floor Plan, only if accessory apartment, duplex, or commercial application.

(Continued)



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10. Written Description Describe all proposed changes to the property, list all materials to be used, and address the criteria (listed below) that the Commission uses to determine appropriateness. Presenting your proposal with these criteria in mind will provide a clear basis for the Commission's deliberations. The height of the building in relation to the average height of the nearest adjacent and opposite buildings: The setback and placement of the building on the lot in relation to the average setback and placement of b) the nearest adjacent and opposite buildings; The exterior construction materials, including textures and patterns; c) The architectural detailing such as lintels, cornices, brick bond, and foundation materials; e) The roof shape, form, and materials; f) The proportion, shape, location, pattern, and size of any elements of fenestration (windows, doors); g) The general form and proportion of the buildings; h) The accessory fixture and other features (including lighting fixtures, hardware, awnings, etc.); i) The architectural scale in relation to existing structures and surrounding buildings; and i) Structural conditions and soundness. Provide photographs of existing property and elevation drawings of the proposed changes. Depict changes in as much detail as possible, paying special attention to those features which the Commission uses to determine appropriateness. This section of the application allows the Commission to see the current state of the property, to visualize the proposed changes, and to assess the impact. The visual description must include dimensions. For new buildings and major additions, the visual description must include the interior floor plan. 11. Information Regarding Surrounding Properties For new construction or large projects, the applicant is required to provide information on: The height of the nearest adjacent and opposite buildings; The setback and placement of the nearest adjacent and opposite buildings; The scale of the nearest adjacent and opposite buildings, including percentage of lot coverage. 12. Demolition Information (if applicable)

Provide a description of architectural features, additions, remodeling, and any alterations to the structure(s). Make note of any outbuildings on the site plan of the property. Provide a history of the structure, giving the construction date and architect or carpenter, briefly noting any significant events, persons, and/or families

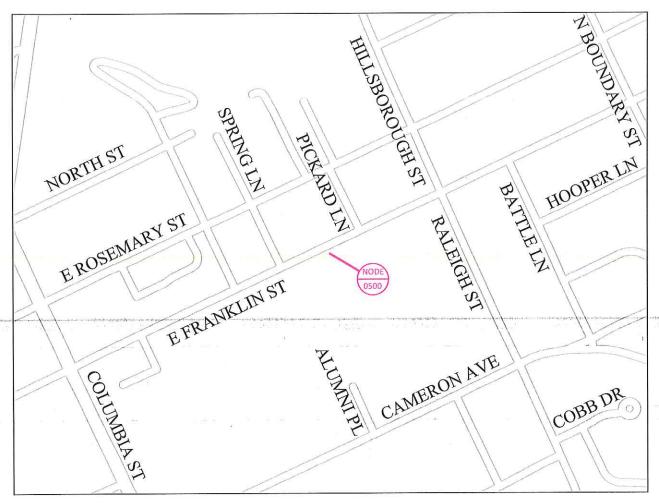
associate with the property.

Certificate of Appropriateness Application: Pole Set at 220 E Franklin St

We are proposing to install a new 29' AGL Fibertech wood pole with wireless fiber optic infrastructure at 220 E Franklin St within NCDOT right-of-way, which has no historical context or history associated with it. The purpose of this installation is to improve wireless performance from both a capacity and coverage standpoint within the immediate surrounding area. Prior to developing these plans, significant fieldwork was done to ensure compliance with historic criteria/infrastructure.



SMALL CELL PROPOSED NODE SC-NC 0500 LOCATION CHAPEL HILL, NC



EFRANKLIN ST (SR-1010)

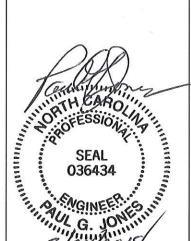
REFRANKLIN ST (SR-1010)

P.NT

2)

LOCATION MAP LAT: 35.914788° LONG: -79.051209° 1" = 500'

NODE PLACEMENT



CHAPEL HILL, NORTH CAROLINA

35.914788°, -79.051209°

LE OWNER:

FIBER

DDFD4DFD FOD



DREPARED E

Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048

MANSFIELD, MA 02048 Jucseng.com 1-508-337

FIBERTECH SMALL CELL LOCATION MAPS

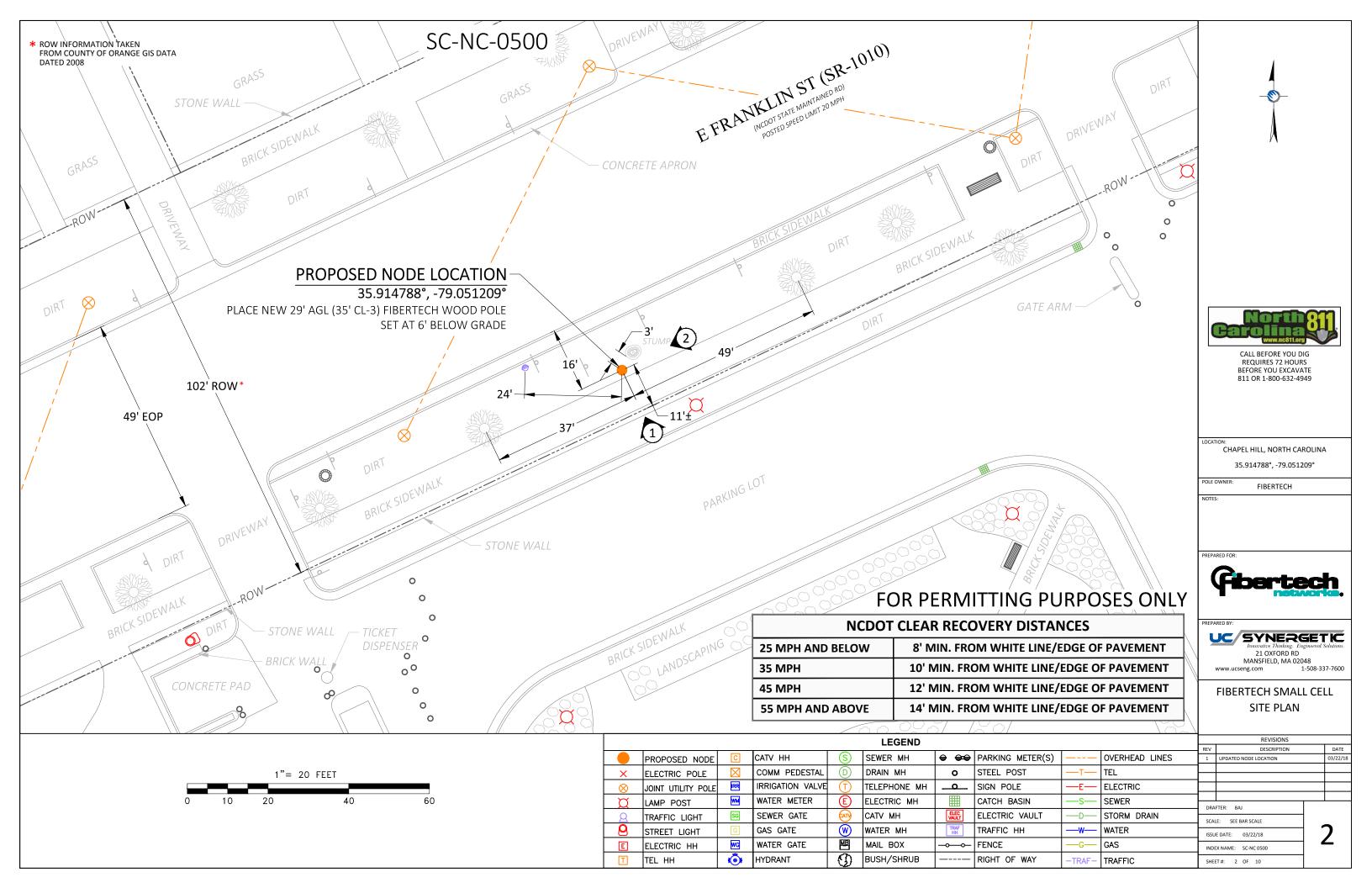
| REVISIONS | | DESCRIPTION | DATE | | DESCRIPTION | DATE | DESCRIPTION | DATE | DESCRIPTION | DESCR

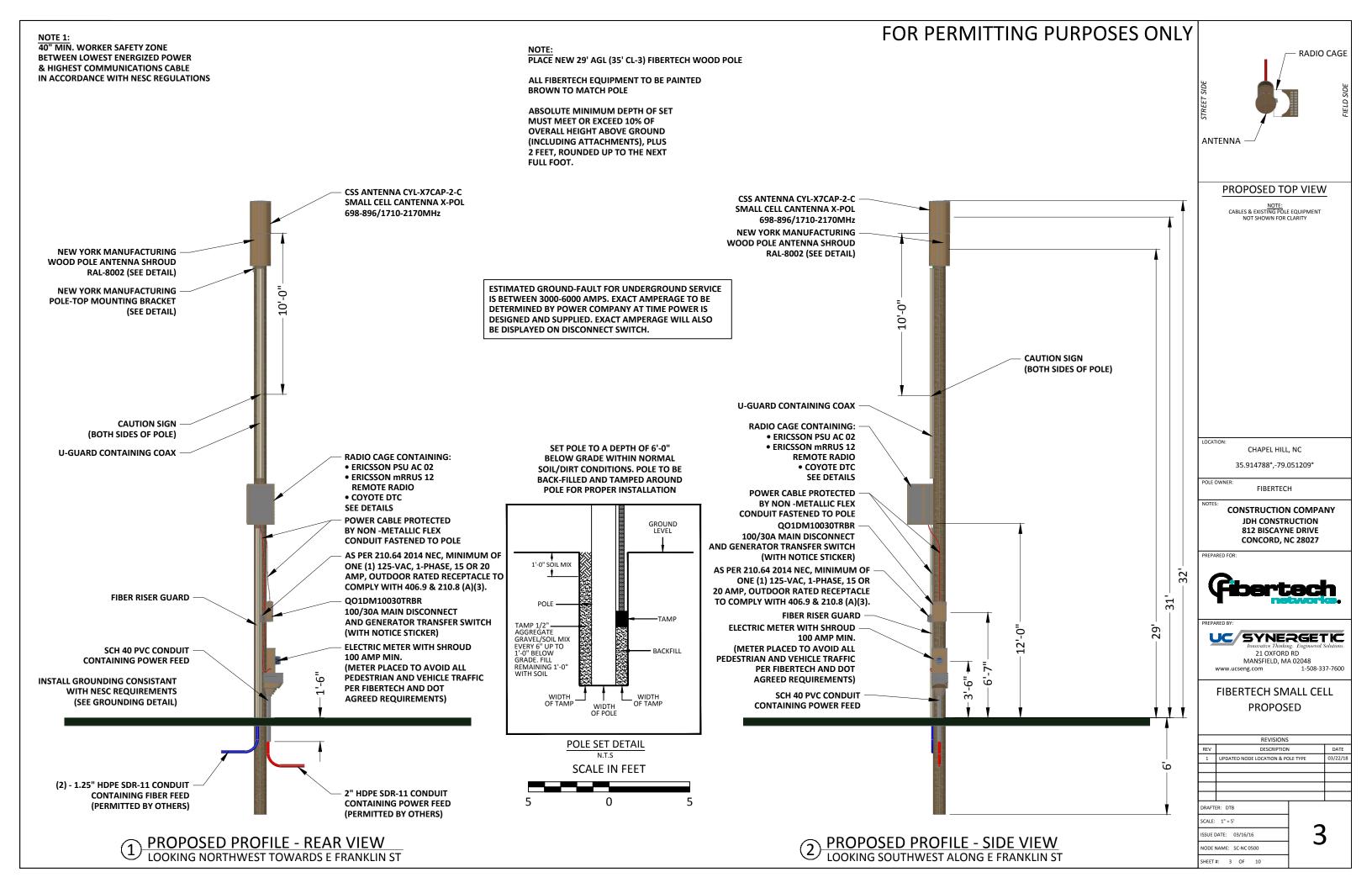
DRAFTER: DTB

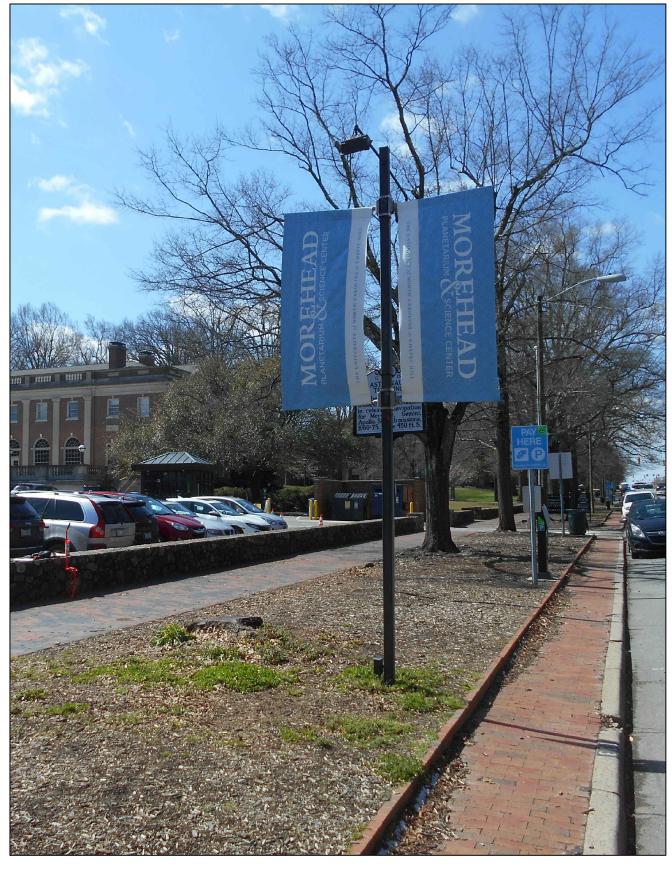
SCALE: AS NOTED

ISSUE DATE: 03/16/3

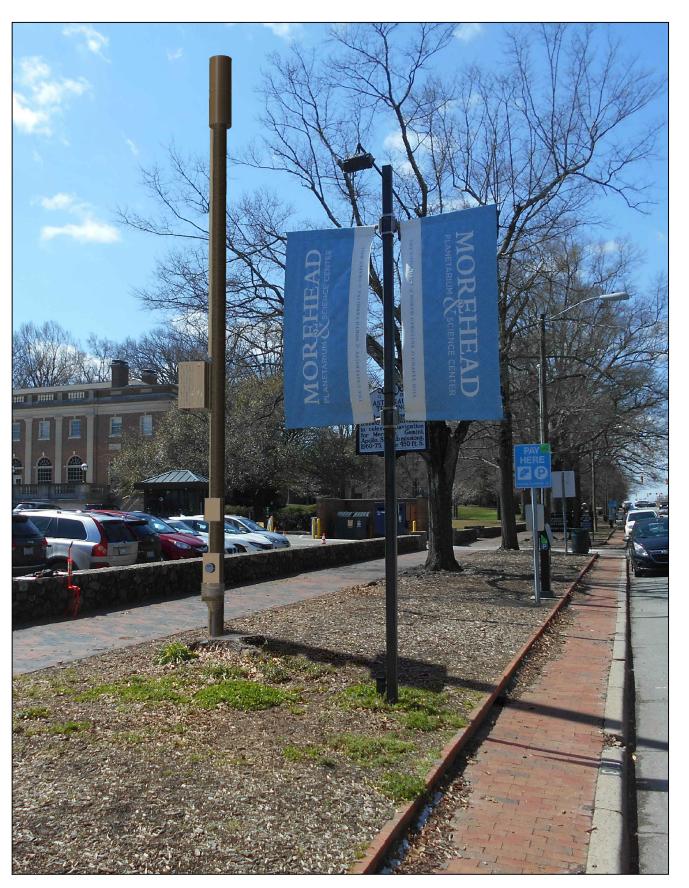
INDEX NAME: SC-NC 0500 SHEET #: 1 OF 10 -











PROPOSED PHOTOGRAPHIC SIMULATION

CHAPEL HILL, NC 35.914788°,-79.051209°

E OWNER: FIBERTECH

PREPARED EOR∙



PREPARED BY:

Innovative Thinking. Engineered Solutions.
21 OXFORD RD
MANSFIELD, MA 02048
www.ucseng.com 1-508-337-7600

v.ucseng.com 1-508-337-7

FIBERTECH SMALL CELL PHOTOSIM

	REVISIONS	
REV	DESCRIPTION	DATE
1	UPDATED NODE LOCATION & POLE TYPE	03/22/18

DRAFTER: DTB

SCALE: NTS





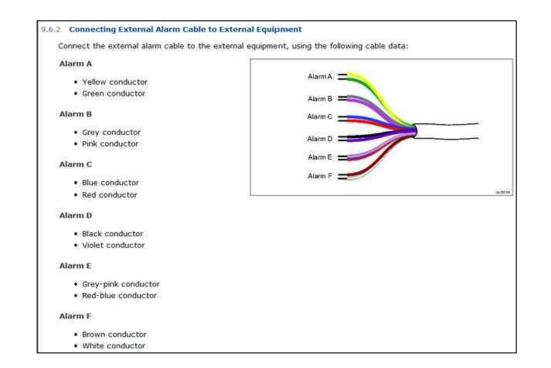


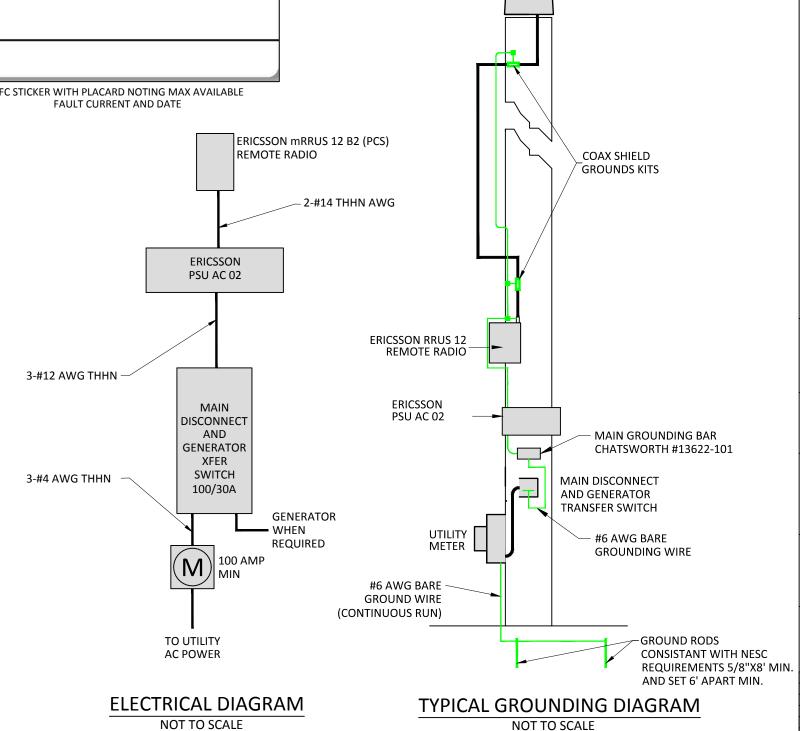
POLE SIGNAGE

NOT TO SCALE

	Host (B	1)		Remote (D1)				
Color	TX	RX	Technologies	Color	TX	RX		
		SFP Label			<i>y</i>	SFP Label		
Purple	1471	1491	1900 PCS LTE	Gray	1491	1471		
Green	1511	1531	850 CDMA	Blue	1531	1511		
Orange	1551	1571	700 LTE	Yellow	1571	1551		
Brown	1591	1611	2100 AWS LTE	Red	1611	1591		

SFP/CWDM COLOR CODING REFERENCE





WIRING OPTION 1 - RRUS12 AWS

NOT TO SCALE

FOR PERMITTING PURPOSES ONLY

LOCATION: CHAPEL HILL, NC

> 21 OXFORD RD MANSFIELD, MA 02048 1-508-337-7600 FIBERTECH SMALL CELL

UC/SYNERGETIC

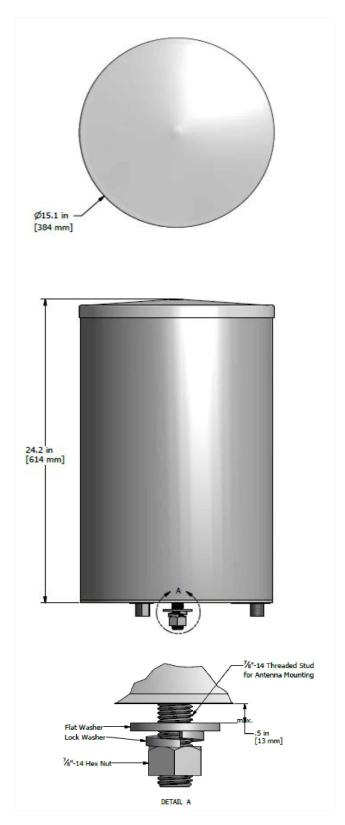
POLE SIGNAGE & WIRING DIAGRAMS

	REVISIONS	i				
REV	DESCRIPTION	ı	DATE			
1	UPDATED NODE LOCATION & PO	UPDATED NODE LOCATION & POLE TYPE				
DRAFT	ER: DTB					
SCALE:	NTS	_	,			
ISSUE E	DATE: 03/16/16	<u> </u>)			
		: _	,			

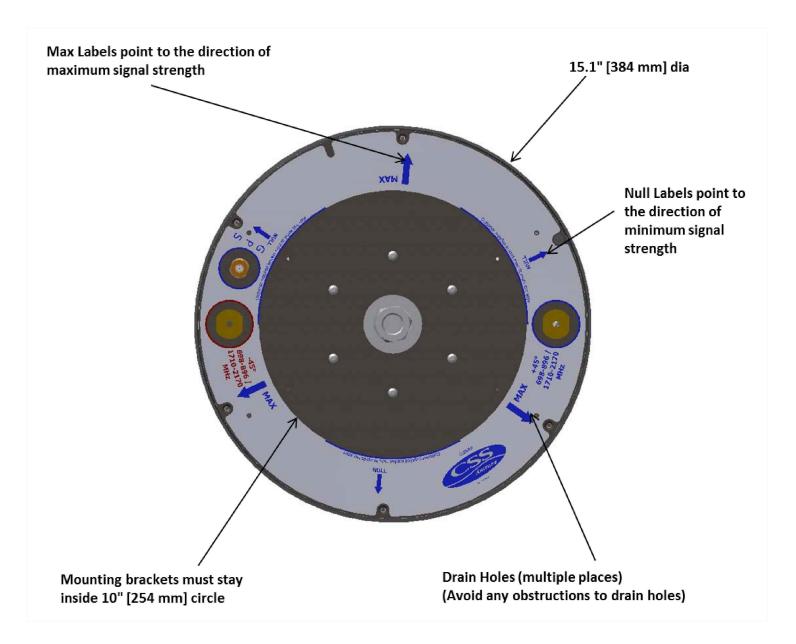
NODE NAME: SC-NC 0500 SHEET#: 5 OF 10

CSS ANTENNA

CYL-X7CAP-2-C



CSS ANTENNA CYL-X7CAP-2-C SMALL CELL CANTENNA X-POL 698-896/1710-2170MHz SIDE VIEW (FOR ANTENNA COLOR SEE PROPOSED PAGE)



CSS ANTENNA CYL-X7CAP-2-C SMALL CELL CANTENNA X-POL 698-896/1710-2170MHz **BOTTOM VIEW**

FOR PERMITTING PURPOSES ONLY

LOCATION:	CHAPEL HILL, NC	
	,	
NOTES:		
PREPARED FOR:		



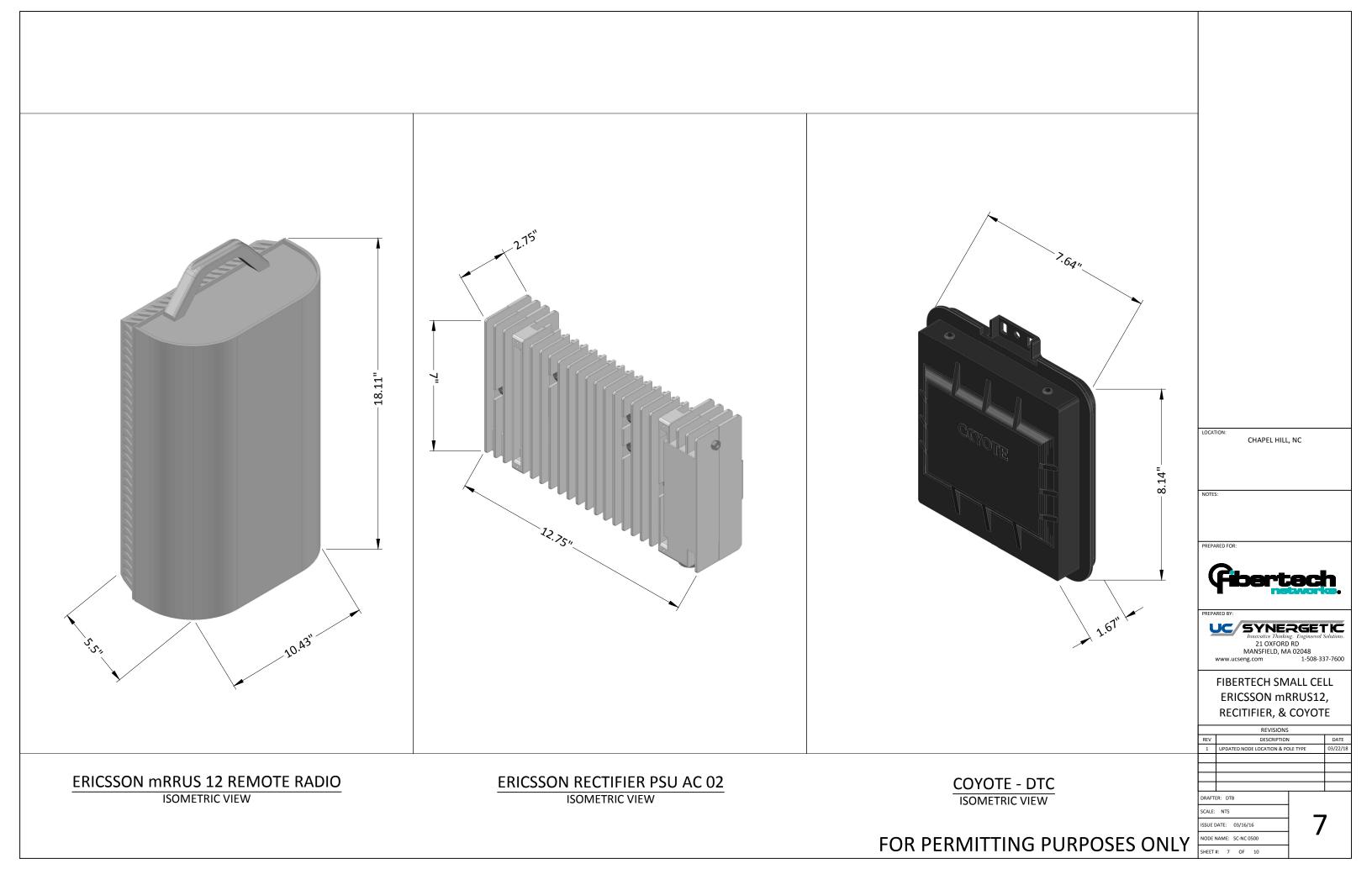
1-508-337-7600 FIBERTECH SMALL CELL

CSS CYL-X7CAP-2-C ANTENNA DETAIL

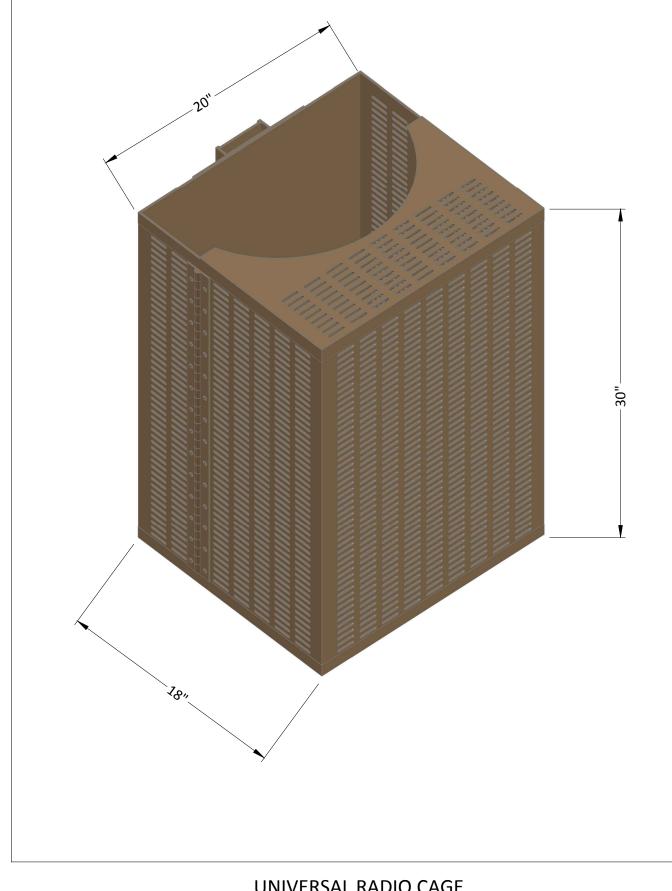
	REVISIONS							
REV	DESCRIPTION		DATE					
1	UPDATED NODE LOCATION & POLE	UPDATED NODE LOCATION & POLE TYPE						
DRAFT	ER: DTB							

NODE NAME: SC-NC 0500

6







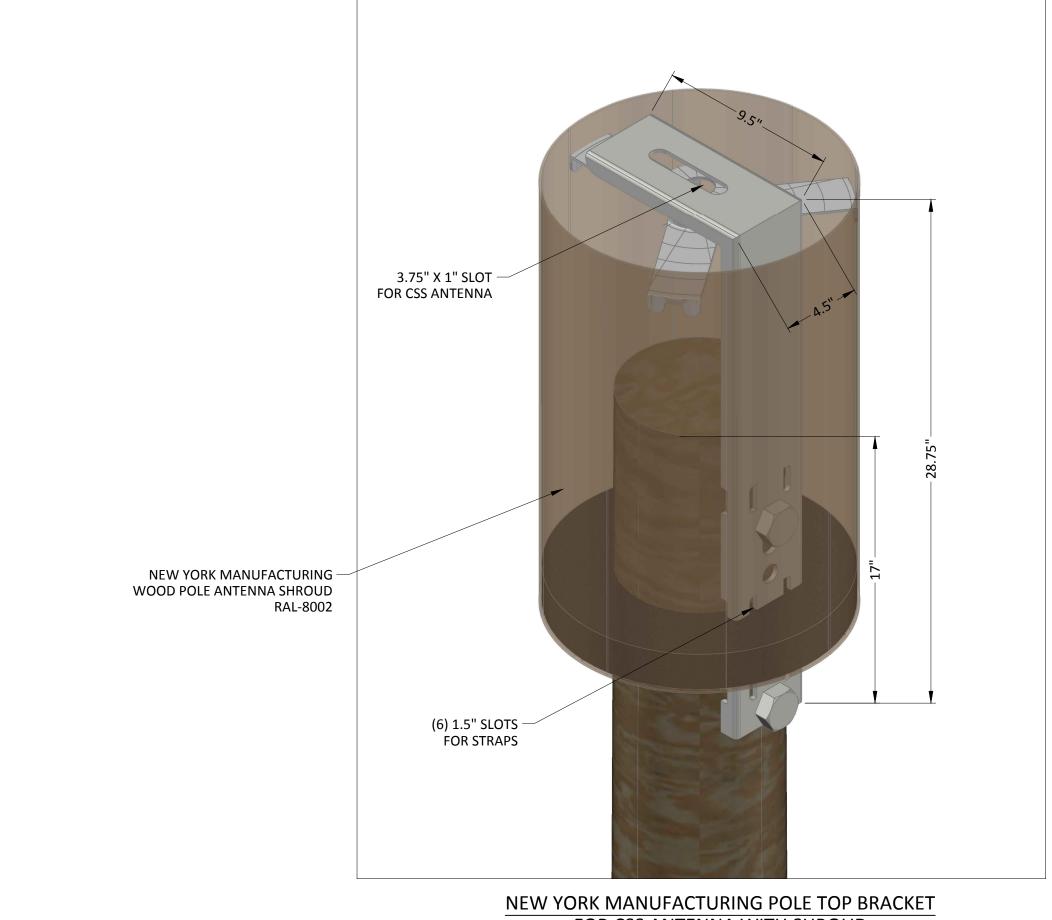
UNIVERSAL RADIO CAGE ISOMETRIC VIEW

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FIBERTECH SMALL CELL RADIO CAGE



FOR CSS ANTENNA WITH SHROUD

CONCEPTUAL VIEW

CHAPEL HILL, NC

NOTES:

REPARED FOR:



PREPARED B



21 OXFORD RD
MANSFIELD, MA 02048
www.ucseng.com 1-508-337-7600

MOUNTING BRACKET DETAILS

	REVISIONS					
REV	DESCRIPTION	DATE				
1	UPDATED NODE LOCATION & POLE TYPE	03/22/18				
DRAFT	ER: DTB					

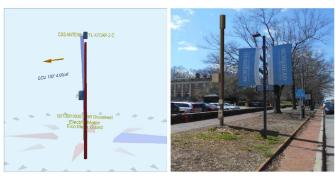
DRAFTER: DTB

SCALE: NTS

ISSUE DATE: 03/16/16

9

				0		,			
Pole Num:	NT	Pole Length / Class:		35 / 3	Code:	NESC	Structure Type:	Unguyed Tanger	
Aux Data 1	SC-NC 0500	Species:	SOU	THERN PINE	NESC Rule:	Rule 250B	Status		Unguyed
Aux Data 2	Unset	Setting Depti	h (ft):	6.00	Construction Grade:	С	Pole Strength Factor	r:	0.85
Aux Data 3	Unset	G/L Circumference (in):		34.00	Loading District:	Medium	Transverse Wind LF:		1.75
Aux Data 4	Unset	G/L Fiber Str	ess (psi):	8,000	Ice Thickness (in):	0.25	Wire Tension LF:		1.00
Aux Data 5	Unset	Allowable Str	ress (psi):	6,800	Wind Speed (mph):	39.53	Vertical LF:		1.90
Aux Data 6	Unset	Fiber Stress	Ht. Reduc:	No	Wind Pressure (psf):	4.00			
Latitude:		0.0000	00 Deg Longit	ude:		0.000000 Deg	Elevation:		0 Feet



Pole Capacity Utili	zation (%)	Height (ft)	Wind Angle (deg)
Maximum	6.0	0.0	130.0
Groundline	6.0	0.0	130.0
Vertical	2.3	13.2	130.0

Pole Moments (ft-I	b)	Load Angle (deg)	Wind Angle (deg)
Max Cap Util	4,006	130.8	130.0
Groundline	4,006	130.8	130.0
GL Allowable	70,520		

Groundline Load Summary	Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 130.8°												
	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)			
GenericEquipments	90	35.2	1,446	36.1	2.1	132	169	2	134	2.0			
Pole	154	59.9	2,467	61.6	3.5	225	1,502	16	241	3.5			
Risers	13	4.9	93	2.3	0.1	9	28	0	9	0.1			
Pole Load	256	100.0	4,006	100.0	5.7	365	1,699	18	383	5.6			
Pole Reserve Capacity			66,514		94.3	6,435			6,417	94.4			

User:bj589q PIKE OCP:5.03 ² Worst Wind Per Guy Wire *Includes Load Factor(s) Page 1 of 3 3 Wind At 130° Pole ID:SC-NC 0500.pplx Friday, March 23, 2018 9:40 AM O-Calc® Pro Analysis Report

Load Summary by Owner	Load Summary by Owner - Reporting Angle Mode: Load - Reporting Angle: 130.8°													
	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (+/- psi)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)				
Fibertech	81	31.5	1,419	35.4	2.0	129	162	2	131	1.9				
Elco	22	8.6	120	3.0	0.2	11	34	0	11	0.2				
Pole	154	59.9	2,467	61.6	3.5	225	1,502	16	241	3.5				
Totals:	256	100.0	4,006	100.0	5.7	365	1,699	18	383	5.6				

GenericEquipn	nent	Owner	Height (ft)	Horiz. Offset (in)	Offset Angle (deg)	Rotate Angle (deg)	Unit Weight (lbs)	Unit Height (in)	Unit Depth (in)	Unit Diameter (in)	Unit Length (in)	Offset Moment* (ft-lb)	Wind Moment* (ft-lb)	Moment at GL* (ft-lb)
Cylinder	CSS ANTENNA CYL- X7CAP-2-C	Fibertech	31.00	0.92	90.0	0.0	22.00	24.20		15.08		-2	550	547
Box	RADIO CAGE	Fibertech	13.25	13.61	180.0	0.0	40.00	30.00	18.00		20.00	56	582	639
Вох	Q01DM10030TRBR Disconnect	Fibertech	7.17	7.48	90.0	0.0	12.00	14.00	5.00		10.00	11	62	72
Box	Electric Meter	Elco	5.50	8.08	90.0	0.0	10.00	12.00	6.00		10.00	10	43	52
Box	Elco Meter Guard	Elco	4.17	7.41	90.0	0.0	5.00	19.00	8.50		8.00	4	51	55
											Totals:	79	1,287	1,366

Pole Buckling													
Buckling Constant	Buckling Column Height* (ft)	Buckling Section Height (% Buckling Col. Hgt.)	Buckling Section Diameter (in)	Minimum Buckling Diameter at GL (in)	Diameter at Tip (in)	Diameter at GL (in)	Modulus of Elasticity (psi)	Pole Density (pcf)	Ice Density (pcf)	Pole Tip Height (ft)	Buckling Load Capacity at Height (lbs)	Buckling Load Applied at Height (Ibs)	Buckling Load Factor of Safety
2.00	13.23	32.21	10.31	8.32	7.32	10.83	1.60e+6	60.00	57.00	29.00	73,772	738.71	43.48

 Height (ft)
 Horiz. Offset (ft)
 Rotate Angle (deg)
 Unit Weight (deg)
 Unit Height (in)

 3.00
 5.53
 90.0
 90.0
 3.00
 36.00

 11.50
 5.53
 180.0
 180.0
 11.50
 138.00

Totals:

User:bj589q PIKE OCP:5.03 ² Worst Wind Per Guy Wire ³ Wind At 130° *Includes Load Factor(s) Page 2 of 3

Pole ID:SC-NC 0500.pplx Friday, March 23, 2018 9:40 AM O-Calc® Pro Analysis Report

Riser

E Riser 2" 90.0°

E Riser 2"

Date	Author	
1/13/2017	UCS	URC Note
UNIVERSAL RA ERICSSON PSU ERICSSON mRI COYOTE DTC.		NS:
EQUIPMENT W	EIGHTS (10lbs ea.) l	NCLUDED IN TOTAL WEIGHT OF RADIO CAGE.

FOR PERMITTING PURPOSES ONLY

LOCATION:

CHAPEL HILL, NC



UC/SYNERGETIC 21 OXFORD RD MANSFIELD, MA 02048

1-508-337-7600 www.ucseng.com

O-CALC

REV	DESCRIPTION	DATE
1	UPDATED NODE LOCATION & POLE TYPE	03/22/1

DRAFTER: DTB SCALE: NTS ISSUE DATE: 03/16/16 NODE NAME: SC-NC 0500

SHEET#: 10 OF 10

User:bj589q PIKE OCP:5.03 *Includes Load Factor(s) Page 3 of 3 ² Worst Wind Per Guy Wire ³ Wind At 130°