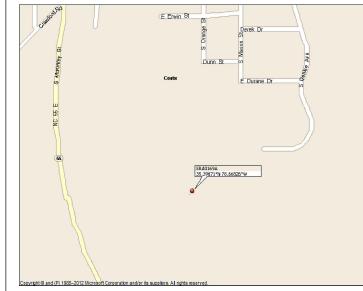
LOCATION MAP

-PROJECT DIRECTORY

APPLICATION/

ENGINEERING:

PROPERTY OWNER:



8051 CONGRESS AVE.

704.527.0003

478.542.3291

TONYA SYKES-McCLURE

BOCA RATON, FL 33487-2797

Tsykes-McClure@sbasite.com

P. MARSHALL & ASSOCIATES

TREVOR MCALLISTER

tmcallister@pmass.com

3545 WHITEHALL PARK DRIVE SUITE 450

CHARLOTTE, NORTH CAROLINA 28273

SBA COMMUNICATIONS CORPORATION

SBA

SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487

T - Mobile ·

PROPOSED WORK WILL CONSIST OF PREPARATION AND INSTALLATION OF

REQUIRED. NO NEW BUILDING BEING CONSTRUCTED, AND NO ELECTRICAL

WORK BEING DONE. ALL PROPOSED CONSTRUCTION WILL BE CONTAINED

LIMITED TO; ANTENNA SWAP & INSTALL, MOUNT WORK, COAX REMOVAL/

ALL CONSTRUCTION SPECIFIED ON DOCUMENTS SUBMITTED FOR BUILDING

PERMIT SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING & ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL

2018 NORTH CAROLINA BUILDING CODE (2015 IBC)

2018 NORTH CAROLINA ENERGY CONSERVATION CODE 2017 NORTH CAROLINA ELECTRICAL CODE - NFPA 70

FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

THERE IS "NO EMERGENCY RESPONSE EQUIPMENT ON THE TOWER AND

EXISTING &/OR PROPOSED EQUIPMENT WILL NOT INTERFERE WITH

115__mph

TIA-222-G, TIA-598-C, TIA-6087-B, TIA-569-B, TIA-568-C

2018 NORTH CAROLINA PLUMBING CODE 2018 NORTH CAROLINA MECHANICAL CODE

2018 NORTH CAROLINA FIRE CODE

WIND LOAD DESIGN:

EXPOSURE CATEGORY: OCCUPANCY:

CONSTRUCTION TYPE:

HANDICAP ACCESS IS NOT REQUIRED.

WITHIN THE LIMITS OF THE EXISTING FENCED TELECOM COMPOUND OR

WITHIN PROPOSED UTILITY EASEMENT. WORK WILL INCLUDE, BUT NOT

CELLULAR COMMUNICATION CARRIER EQUIPMENT, WHERE ALL WORK

SHALL BE CONTAINED WITHIN COMPOUND & SHALL NOT ADVERSELY

IMPACT THE SURROUNDING ADJACENT PARCELS. NO GRADING IS

-PROJECT SUMMARY -

SCOPE OF WORK

INSTALLATION.

GOVERNING AUTHORITIES :

ANSI/ TIA

• TIA-1019-A SITE DESIGN SUMMARY:

CODES

•

••

••

••

••

COATS SITE NAME: SITE NUMBER: NC02083-B

COATS SITE NUMBER: 5RA0169A

DESCRIPTION: 67D5A998C ODE+6160

ANCHOR 195' RAD CENTER

- SITE SUMMARY -SITE ADDRESS:

SBA NUMBER:

SBA NAME:

COMPANY:

TENANT ID/NAME:

CARRIER:

TOWER:

SITE NAME:

1275 NC HWY-55 JURISDIC COATS, NC 27521 PIN #: ZONING: NC02083-B ACREAGE COATS (E) IMPER MONOPOLE (P) IMPER SBA COMPOL T-MOBILE 5RA0169A UTILITIES:

POWER C

TELCO C

SITE LATITUDE(NAD83): 35.396714 (35° 23' 48.2") SITE LONGITUDE (NAD83): -78.668261 (-78° 40' 05.7")

GND ELEVATION (NAVD88): N/A

TOWER HEIGHT (AGL.) 225'

	EX
T-1	TITLE SHEET & PROJECT INFORMATION
T-1A - T1C	APPENDIX B
C-1	SITE PLAN
C-2	EQUIPMENT PLAN
C-3	TOWER ELEVATION
C-4	ANTENNA ORIENTATION AND CABLE SCHEDULE
C-5	PLUMBING DIAGRAM
C-6	EQUIPMENT SPECS
E-1	ELECTRICAL DETAILS
E-2	PANEL SCHEDULE & ONE-LINE DIAGRAM
E-3	GROUNDING DETAILS

CALL BEFORE YOU DIG



CALL NORTH CAROLINA ONE CALL (800) 632-4949 CALL 3 WORKING DAYS **BEFORE YOU DIG!**



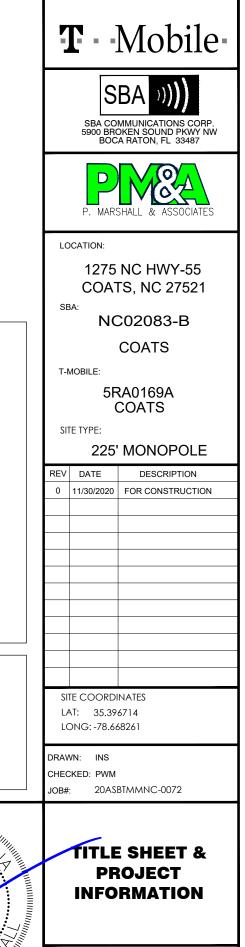
COUNTY EMERGENCY COMMUNICATIONS AND THAT, IF SUCH, INTERFERENCE IS FOUND TO EXIST, THEN APPLICANT WILL TAKE WHATEVER STEPS NECESSARY TO CORRECT INTERFERENCE."

FACILITY HAS NO SANITARY OR POTABLE WATER

FEMA PANEL

THIS SITE IS NOT IN ANY SPECIAL FLOOD HAZARD AREAS OR FUTURE CONDITIONS FLOOD HAZARD AREAS, AS SHOWN PER FIRM PANEL: 3720059900J. DATED: 10/03/2006

		NC	20208
CTION: HARNETT COUNTY			COAT
0599-98-5894.000 : I/R-AG	T-I	MOBILE:	
GE: 92.17 RVIOUS: NA RVIOUS: 0 SQFT.			RA0169 COATS
UND SIZE: 6,000 ± SQFT.	SI	TE TYPE:	
			MON
COMPANY: UNKNOWN	REV 0	DATE 11/30/2020	DESC FOR CON
COMPANY: UNKNOWN			
		TE COORDI	
		AT: 35.39 DNG: -78.66	
	DRAV	VN: INS	
	CHEC	: 20AS	BTMMNC-
SEAL D24136		TITLE PR INFO	OJE
W MARININ			T-1



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 Project: _	COATS-5RA0169A			
Address: 1275 NC H		521		Zip Code
	TONYA	RE Phone # (704) 527 9099	
	Agent. <u>STRES-MCCLUI</u>			
Owned By:		City/County	Private HARN	State
Code Enforcement	Jurisdiction:	City	County COUI	NTY State
CONTACT:				
DESIGNER F	IRM	NAME	LICENSE #	TELEPHONE # E-MAIL
Architectural _				()
	P. MARSHALL &	PATRICK MARSHALL	024136	(_678_) 280-2325
	ASSOCIATES			
Fire Alarm				
Plumbing				
Mechanical	2			
Structural				
Retaining Walls >5	' High			
Other	111gii			
	lude firms and ind	ividuals such as truss, r	precast, pre-engine	ered, interior designers, etc.)
		· *	· · · ·	
2018 NC BUILDI	NG CODE: 🗌 🗎	New Building	Shell/Core	□ 1 st Time Interior Completions
		Addition	Phased Construct	ion Shell Core
	~~~~	_	I hased Construct	ion – Shen Core
		ODE: Prescriptive	Alteration	
2018 NC EXISTIN (check all that apply		<b>DDE:</b> Prescriptive	Alteration	
			_	Level II Change of Use
(check all that apply		Chapter 14	Alteration	Level II Change of Use
(check all that apply	y) FED: (date)	Repair     Chapter 14     CURRE	Alteration	Level II         Change of Use           Level III         X(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATE)	y) TED: (date) D: (date)	Repair     Chapter 14     CURREI     PROPOS	Alteration Alteration Alteration SED OCCUPANC	a Level II          Change of Use          b Level III          Y(S) (Ch. 3):          2Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATE)	y) TED: (date) D: (date)	Repair     Chapter 14     CURRE	Alteration Alteration Alteration SED OCCUPANC	Level II         Change of Use           Level III         X(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATE)	y) TED: (date) D: (date) ATEGORY (Table	Repair     Chapter 14     CURREI     PROPOS	Alteration Alteration Alteration SED OCCUPANC	a Level II          Change of Use          b Level III          Y(S) (Ch. 3):          2Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY C4	y) TED: (date) D: (date) ATEGORY (Table G DATA	Repair     Chapter 14     CURREI     PROPOS	Alteration Alteration Alteration SED OCCUPANC	a Level II          Change of Use          b Level III          Y(S) (Ch. 3):          2Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING	y) TED: (date) D: (date) ATEGORY (Table G DATA e: X I-A	Repair     Chapter 14     CURREN     PROPOS     1604.5): Current:	Alteration Alteration Alteration SED OCCUPANC	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDIN Construction Type (check all that apply	y) TED: (date) D: (date) ATEGORY (Table G DATA e: X I-A	Repair     Chapter 14     CURRE1     PROPOS     1604.5): Current:     II-A	Alteration Alteration Alteration SED OCCUPANC UTILITY Pro IIII-A	a Level II       Change of Use         a Level III       Y(S) (Ch. 3):         CY(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers:	y) <b>FED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: ⊠ I-A y) □ I-B No □ Partial	Repair     Chapter 14     CURREN     PROPOS     1604.5): Current:      II-A     II-B     NFPA 13	Alteration Alteration Alteration SED OCCUPANC UTILITY Pro IIII-A IIII-B NFPA 13R	a Level II       Change of Use         a Level III       Y(S) (Ch. 3):         CY(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers:	y) <b>FED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: ⊠ I-A y) □ I-B ☑ No □ Partial ☑ No _ Class □	Repair     Chapter 14     CURREN     PROPOS     1604.5): Current:      II-A     II-B     NFPA 13     II    II    III	Alteration Alteration Alteration SED OCCUPANC UTILITY Pro IIII-A IIII-B	a Level II       Change of Use         a Level III       Y(S) (Ch. 3):         CY(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDIN Construction Type (check all that apply Sprinklers: Standpipes: Stand	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: ⊠ I-A y) □ I-B ③ No □ Partial ③ No Class □ <b>rict:</b> ⊠ No □	Repair     Chapter 14     CURREN     PROPOS     1604.5): Current:      II-A     II-B     NFPA 13     II    II    III	Alteration Alteration Alteration SED OCCUPANC UTILITY Pro IIII-A IIII-B NFPA 13R Wet Dry	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers: Standpipes: Stan	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: ⊠ I-A y) □ I-B ③ No □ Partial ③ No Class □ <b>rict:</b> ⊠ No □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area:	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers: Standpipes: Primary Fire Dista Special Inspection	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: □ I-A y) □ I-B ③ No □ Partial ③ No □ Class □ <b>rict:</b> ⊠ No □ <b>s Required:</b> □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILLDING Construction Type (check all that apply Sprinklers: Standpipes: Standpipes: Primary Fire Dist Special Inspection FLOOR	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: ⊠ I-A y) □ I-B ③ No □ Partial ③ No Class □ <b>rict:</b> ⊠ No □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers: Standpipes: Standpipes: Primary Fire Dist Special Inspection FLOOR 3rd Floor	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: □ I-A y) □ I-B ③ No □ Partial ③ No □ Class □ <b>rict:</b> ⊠ No □ <b>s Required:</b> □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers: Standpipes: Standpipes: Standpipes: Frimary Fire Dist Special Inspection FLOOR 3 rd Floor 2 nd Floor	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: □ I-A y) □ I-B ③ No □ Partial ③ No □ Class □ <b>rict:</b> ⊠ No □ <b>s Required:</b> □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply (check all that apply (check all that apply Sprinklers: Standpipes: Standpipes: Standpipes: Primary Fire Distr Special Inspection FLOOR 3 rd Floor 2 nd Floor Mezzanine	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: □ I-A y) □ I-B ③ No □ Partial ③ No □ Class □ <b>rict:</b> ⊠ No □ <b>s Required:</b> □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):
(check all that apply CONSTRUCT RENOVATED OCCUPANCY CA BASIC BUILDING Construction Type (check all that apply Sprinklers: Standpipes: Standpipes: Standpipes: Frimary Fire Dist Special Inspection FLOOR 3 rd Floor 2 nd Floor	y) <b>TED:</b> (date) <b>D:</b> (date) <b>ATEGORY</b> (Table <b>G DATA</b> e: □ I-A y) □ I-B ③ No □ Partial ③ No □ Class □ <b>rict:</b> ⊠ No □ <b>s Required:</b> □		Alteration Alteration Alteration NT OCCUPANC SED OCCUPANC IIII-A III-A III-B NFPA 13R Wet Dry Hazard Area: AREA TABLE	a Level II       Change of Use         b Level III       Y(S) (Ch. 3):         Y(S) (Ch. 3):

	<b>T</b> - Mobile
	SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487
ALLOWABLE AREA Primary Occupancy Classification(s):	
Assembly       A-1       A-2       A-3       A-4       A-5         Business	P. MARSHALL & ASSOCIATES
Institutional I-1 I-2 I-3 I-4	LOCATION:
I-1 Condition       I       2         I-2 Condition       I       2         I-3 Condition       I       2         I-3 Condition       I       2         Residential       R-1       R-2	1275 NC HWY-55 COATS, NC 27521
Storage     S-1 Moderate     S-2 Low     High-piled       Parking Garage     Open     Enclosed     Repair Garage	^{SBA:} NC02083-B
Utility and Miscellaneous	
Accessory Occupancy Classification(s):	COATS
This separation is not exempt as a Non-Separate ¹ (s).	T-MOBILE:
Special Uses (Chapter 4 – List Code Sections):	5RA0169A
Special Code Sections): Special Provisions: (Chapter 5 – List Code $\uparrow$ Mixed Occupancy: Select one Ser <u>Select one</u> <u>Actual Area of Occ</u> <u>Allowable Area c</u> $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$	COATS
Select one	SITE TYPE:
<u>Allowable Area of Occ</u> $M$	225' MONOPOLE
+ = ≤1.00	REV DATE DESCRIPTION
	0 11/30/2020 FOR CONSTRUCTION
STORY     DESCRIPTION AND     (A)     (B)     (C)     (D)       NO.     USE     JLDG AREA PER STORY (ACTUAL)     TABLE 506.2 ⁴ AREA     AREA FOR FRONTAGE INCREASE ^{1.5} ALLOWABLE AREA PER STORY OR UNLIMITED ^{2.3}	
¹ Frontage area increases from Section 506.2 are computed thus:	
<ul> <li>a. Perimeter which fronts a public way or open space having 20 feet minimum width =(F)</li> <li>b. Total Building Perimeter =(P)</li> <li>c. Ratio (F/P) =(F/P)</li> <li>d. W = Minimum width of public way =(W)</li> <li>² Unlimited area applicable under conditions of Section 507.</li> </ul>	
³ Maximum Building Area = total number of stories in the building x D (maximum3 stories) (506.2). ⁴ The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic	
control towers must comply with Table 412.3.1. ⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.	SITE COORDINATES
⁴ Frontage increase is based on the unsprinklered area value in Table 506.2.	LAT: 35.396714
	LONG: -78.668261
	DRAWN: INS
	CHECKED: PWM
	JOB#: 20ASBTMMNC-0072
	APPENDIX B
	T-1A

### ALLOWABLE HEIGHT

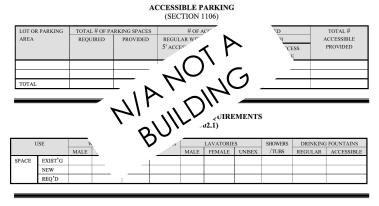
	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)			
Building Height in Stories (Table 504.4)			
¹ Provide code reference if the "Shown on Plans" qua	untity is not based on Table 504.3	3 or 504.4.	

### FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	RATING PROVIDED (W/* REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East					_		
West							
South							
Interior			[□] .()	<b>١</b>			
Nonbearing Walls and Partitions			NOT	$\langle \cdot \rangle$	1		
Exterior walls		. N	· · ·	$\sim$			
North		۱r	$\sim \sim$	1	1		
East		<b>۱</b>	$(\Lambda \Lambda)$	<b>`</b>			
West			VILY				
South	•	$\sim$	11-				
Interior walls and partitions		$\nabla$	$\sim$ $-$				
Floor Construction		$\mathbf{v}$					
Including supporting beams							
and joists							
Floor Ceiling Assembly							
Columns Supporting Floors							
Roof Construction, including supporting beams and joists							
Roof Ceiling Assembly							
Columns Supporting Roof							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation Occupancy/Fire Barrier Separation	on						
Party/Fire Wall Separation	~						
Smoke Barrier Separation							
Smoke Partition							
Tenant/Dwelling Unit/ Sleeping Unit Separation							
Incidental Use Separation							

### ACCESSIBLE DWELLING UNITS (SECTION 1107)

Total Units	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A Units Required	TYPE A Units Provided	TYPE B Units Required	TYPE B Units Provided	TOTAL ACCESSIBLE UNITS PROVIDED



SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

	PERCENTAGE OF WALL OPENING CALCULATIONS					
FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	Allowable area (%)	ACTUAL SH			

### LIFE SAFETY SYSTEM REQUIREMENTS

	LIFE SAFETT STSTEM REQUIREMENTS	
Emergency Lighting: Exit Signs: Fire Alarm: Smoke Detection Systems: Carbon Monoxide Detection:	Yes □ No     Yes □ No	
Life Safety Plan Sheet #:	LIFE SAFETY PLAN REQUIRE ^{M®}	
Assumed and real property Exterior wall opening area Occupancy Use for each ar Occupant loads for each ar Exit access travel distance	with respect to rea as it re ¹	.1.2)

- $\mathcal{A}_{1k}$ Common path of trav Dead end lengths ( B Clear exit widths for Maximum calculated oc sat door can accommodate based on egress width (1005.3)
- Actual occupant load for c A separate schematic plan in re fire rated floor/ceiling and/or roof structure is provided for
- purposes of occupancy separa.
- Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)
- The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

### 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 reference design vs annual energy cost for the

Existing building envelope complies with code: Select one

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: Select one

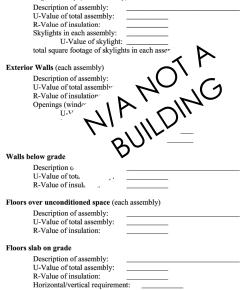
proposed design.

Method of Compliance: <u>Select one</u> (If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

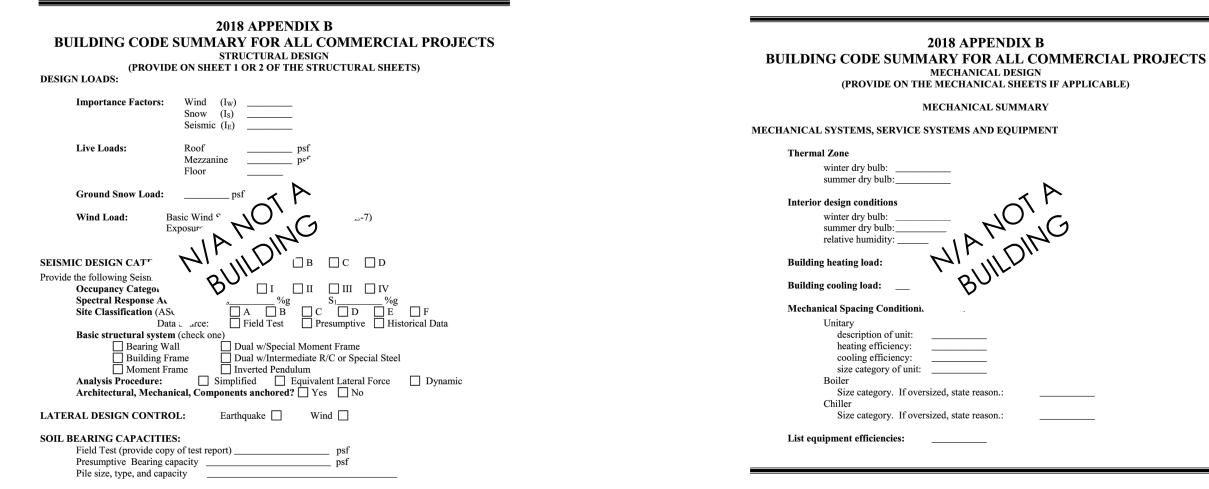
slab heated:

### Roof/ceiling Assembly (each assembly)



SHOWN ON PLANS (%)	

# **T** Mobile **SRA** SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487 LOCATION: 1275 NC HWY-55 COATS, NC 27521 SBA: NC02083-B COATS T-MOBILE: 5RA0169A COATS SITE TYPE: 225' MONOPOLE REV DATE DESCRIPTION 0 11/30/2020 FOR CONSTRUCTION SITE COORDINATES LAT: 35.396714 LONG: -78.668261 DRAWN: INS CHECKED: PWM JOB#: 20ASBTMMNC-0072 **APPENDIX B T-1B**



### 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: Select one

Lighting schedule (each fixture type)

lamp type required in fixture number of lamps in fixture ballast type used in the fixtynumber of ballasts in f total wattage per fitotal interior wattage total exterior wattage

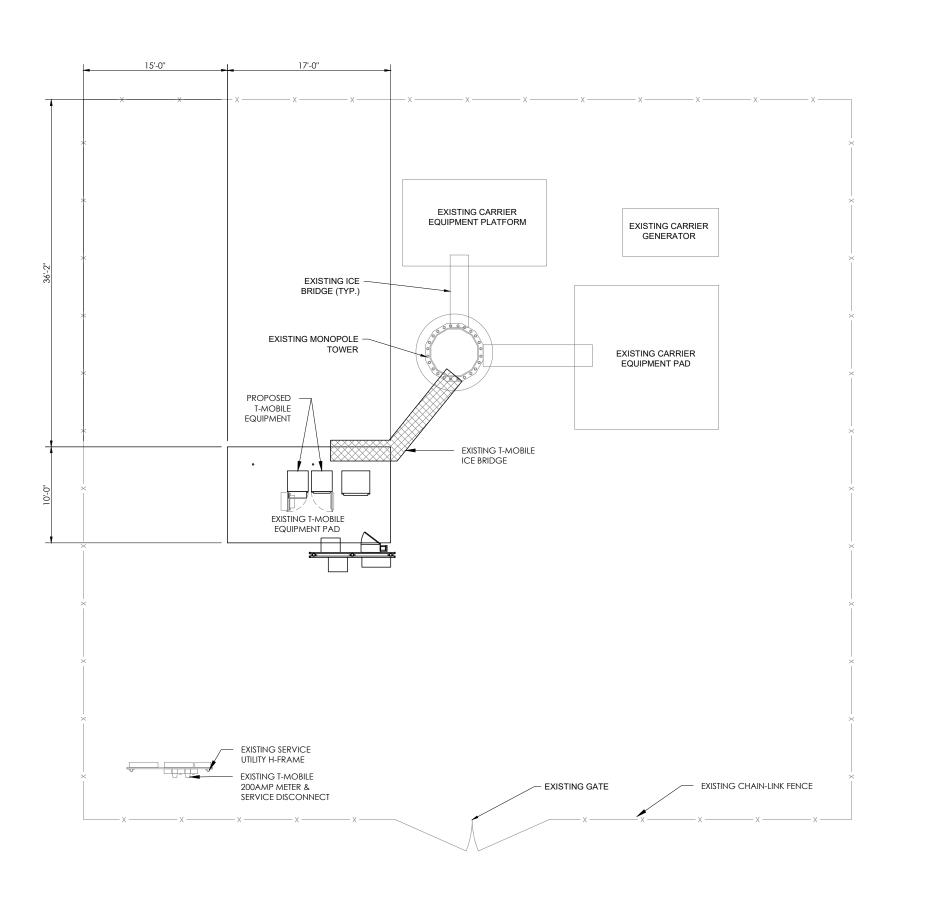
.e building or space by space)

### Additional Prescriptive Complia.

- 506.2.1 More Efficient N ... chanical Equipment
- 506.2.2 Reduced Lighting Power Density
- 506.2.3 Energy Recovery Ventilation Systems
- 506.2.4 Higher Efficiency Service Water Heating 506.2.5 On-Site Supply of Renewable Energy
- 506.2.6 Automatic Daylighting Control Systems

	SBA CO	Mobile BA ()))))
	P. MARS	SHALL & ASSOCIATES
LC	-	NC HWY-55 FS, NC 27521
SE	^{BA:} NC	C02083-B COATS
1-T		RA0169A COATS
SI	TE TYPE: <b>225</b>	' MONOPOLE
REV	DATE	DESCRIPTION
0	11/30/2020	FOR CONSTRUCTION
	AT: 35.39 DNG: -78.60	
	KED: PWM	
JOB#	: 20AS	BTMMNC-0072
	APP	PENDIX B





### -GENERAL NOTES

- GOOD QUALITY. FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY IN WRITING BY THE OWNER AND ENGINEER PRIOR TO INSTALLATION. CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND OF QUALITY OF MATERIAL AND EQUIPMENT BEING SUBSTITUTED.
- 2. ACCESS TO PROPOSED WORK SITE MAY BE RESTRICTED. THE WITH THE LEASING AGENT FOR APPROVAL.
- 3. CONTRACTOR SHALL HAVE PRESENT ON SITE CURRENT CARRIER RFDS, DESIGN DOCUMENTS SPECIFIC TO SITE AND DISCREPANCY PRIOR TO ARRIVAL AT SITE.
- BE FOLLOWED EXACTLY AND SHALL SUPERSEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
- 5. ALL DAMAGE TO EXISTING UNDERGROUND, OVERHEAD OBSTACLES AND/OR EXISTING EQUIPMENT, PAD OR SHELTERS SHALL BE REPLACED BACK TO FULL ORIGINAL OR BETTER GENERAL CONTRACTOR EXPENSE.
- THE REQUIRED SCREENING PER LOCAL ORDINANCE. IF THE SCREENING WILL BE INSTALLED TO MEET LOCAL ORDINAN REQUIREMENTS.

# -GRAPHIC SCALE SITE PLAN -NORTH ARROW



1. ALL MATERIAL AND EQUIPMENT FURNISHED SHALL BE NEW AND OF SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED

CONTRACTOR SHALL COORDINATE INTENDED CONSTRUCTION ACTIVITY, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS

SUPPLIED INFORMATION PRIOR TO COMMENCE OF WORK; IE. CONFIGURATION. NOTIFY CONSTRUCTION MANAGER OF ANY

4. ALL HARDWARE ASSEMBLY MANUFACTURER'S INSTRUCTION SHALL

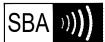
CONDITION & SHALL MATCH EXISTING CONDITIONS BY REPAIRS AT

6. THE EXISTING TREES AND VEGETATION ARE SUFFICIENT TO PROVIDE VEGETATION IS REMOVED OR DAMAGED, NEW LANDSCAPING/

1"=5'-0" (FULL SIZE) 1"=10'-0" (11x17)

SFA

# **T** - Mobile-



SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487



LOCATION:

1275 NC HWY-55 COATS, NC 27521 SBA:

NC02083-B

COATS

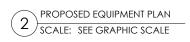
T-MOBILE:

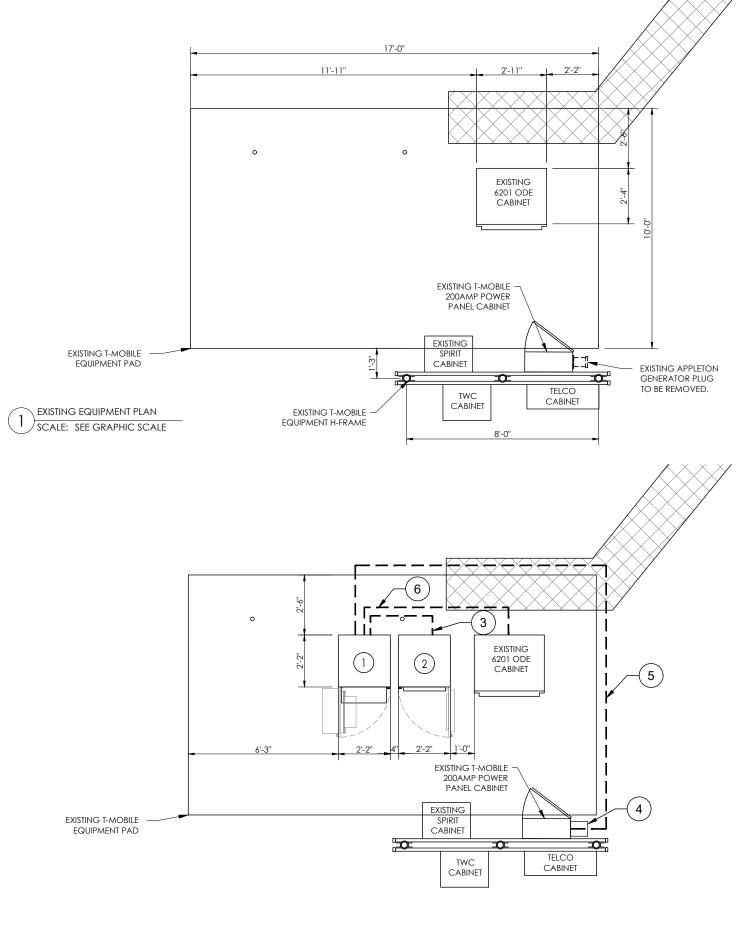
5RA0169A COATS

SITE TYPE:

225' MONOPOLE

VCE		225		
NCL	REV	DATE	DESCRIPTION	
	0	11/30/2020	FOR CONSTRUCTION	
		te coordi		
		AT: 35.39 DNG: -78.66		
	L \	5110. 70.00	0201	
	DRAV	VN: INS		
		KED: PWM		
	JOB#	: 20AS	BTMMNC-0072	
		SIT	E PLAN	
MARSHIM			C-1	
unuu.				







- AT EACH CORNER PER MANUFACTURER'S SPECIFICATIONS . TO EXISTING EQ. GROUND (TYP)
- 2. PROPOSED ENCLOSURE B160 BATTERY CABINET PLATFORM AT EACH CORNER PER MANUFACTURER'S SPECIFICATIONS. TO EXISTING EQ. GROUND. (TYP)
- FROM PROPOSED ENCLOSURE 6160 CABINET TO PROPOSED ENCLOSURE B160 BATTERY CABINET.
- 4. EXISTING PPC CABINET ATTACHED TO EXISTING H-FRAME. REMOVE EXISTING APPLE-TON GENERATOR PLUG & INSTALL PROPOSED CAM-LOC GENERATOR PLUG. MAINTAIN 36"x48" DETAILS.
- 5. PROPOSED (1) 3" PVC SCH. 80 NONFLEX CONDUIT WITH FROM EXISTING PPC TO PROPOSED ENCLOSURE 6160 CABINET.
- PROPOSED (1) 3" PVC SCH. 80 NONFLEX CONDUIT WITH 6. ENCLOSURE 6160 CABINET.

## -EQUIPMENT NOTE-

THE CABINETS ARE CONSTRUCTED OF NONCOMBUSTIBLE MATERIALS TO MEET THE REQUIREMENTS OF THE CURRENT NFPA 37 EDITION 2018. CABINET CONSTRUCTION THAT PASSED A SIMULATED BRUSH FIRE TEST TO DEMONSTRATE COMPLIANCE TO TELCORDIA GR-487-CORE SECTION 3.39 FIRE RESISTANCE REQUIREMENT R3-265. REFER TO THE NATIONAL TECHNICAL SYSTEMS (NTS) REPORT NO. PR067628-GR487.





## -NORTH ARROW



1. PROPOSED ENCLOSURE 6160 CABINET ATTACHED TO PLATFORM GROUND CABINET WITH MECHANICAL 2-LUG CONNECTION & #2 TINNED SOLID COPPER IN 3/4" NON METALLIC FLEX. CONDUIT

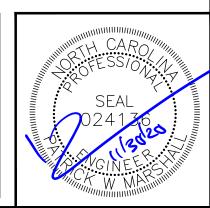
GROUND CABINET WITH MECHANICAL 2-LUG CONNECTION & #2 TINNED SOLID COPPER IN 3/4" NON METALLIC FLEX. CONDUIT

3. PROPOSED (2) 3" PVC SCH. 80 RIGID CONDUIT WITH PULLSTRINGS

CLEARANCE IN FRONT OF PANEL. GROUND PER MANUFACTURER

PULLSTRINGS FROM EXISTING EQUIPMENT CABINET TO PROPOSED

1"=2'-0" (FULL SIZE) 1"=4'-0" (11x17)



# **T** Mobile



SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487



LOCATION:

SBA:

1275 NC HWY-55 COATS, NC 27521

NC02083-B

COATS

T-MOBILE:

5RA0169A COATS

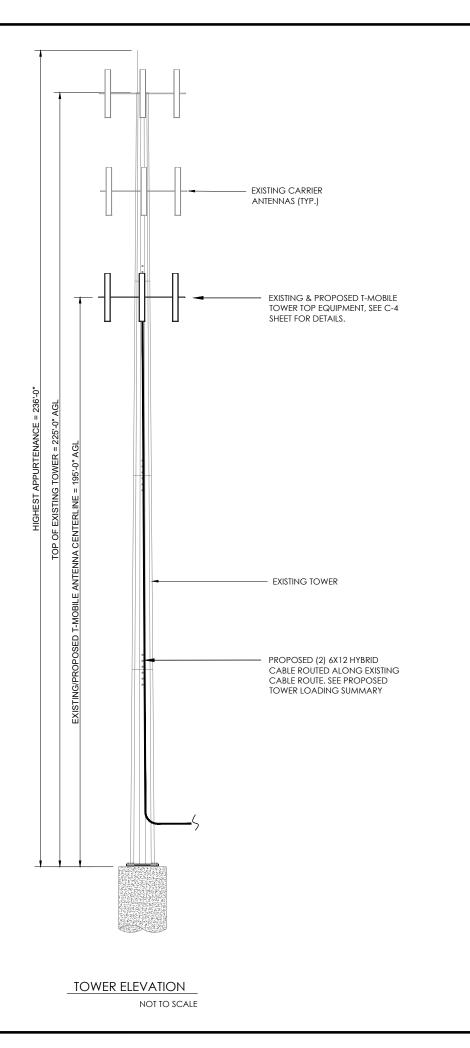
SITE TYPE:

225' MONOPOLE

REV	DATE	DESCRIPTION					
0	11/30/2020	FOR CONSTRUCTION					
SI	SITE COORDINATES						
LAT: 35.396714							
LONG: -78.668261							
DRAV	VN: INS						
CHEC	CHECKED: PWM						
JOB#: 20ASBTMMNC-0072							

**EQUIPMENT PLAN** 

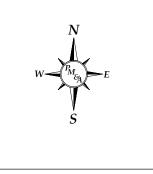


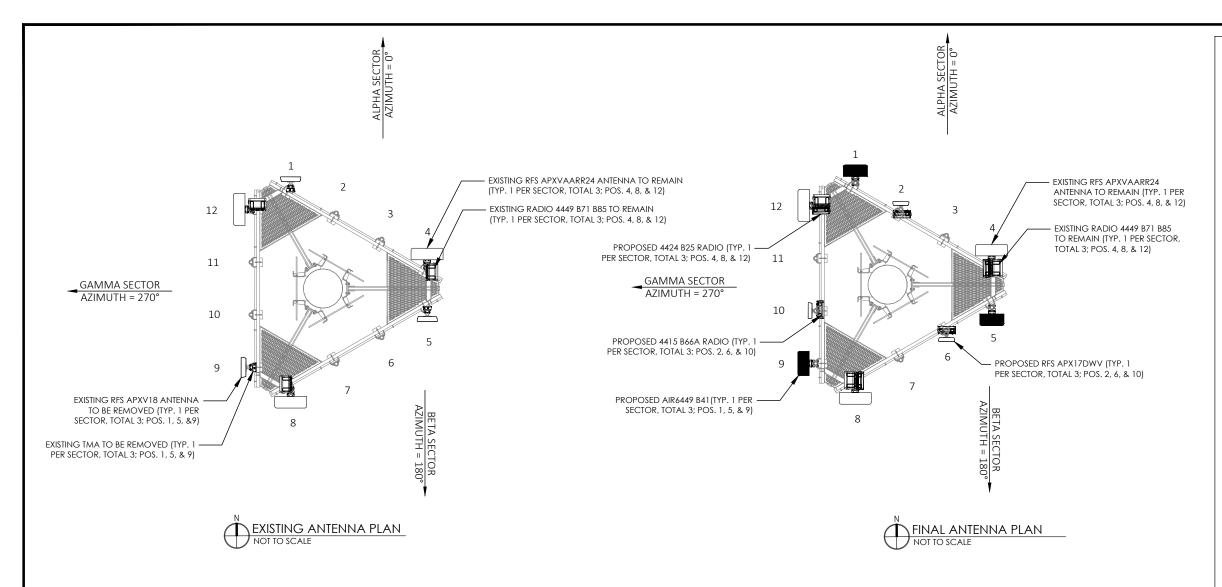


## CENERAL NOTES

GENER	AL NOTES	;				1		
THIS F	1. PM&A HAS NOT PERFORMED A TOWER STRUCTURAL ANAYSIS FOR THIS PROJECT. REFER TO TOWER STRUCTURAL ANALYSIS BY OTHERS FOR PROPOSED ANTENNA CABLE LOADING DETAILS							
INTEN	2. TOWER ELEVATION SHOWN IS NOT DRAWN TO SCALE AND IS ONLY INTENDED FOR REFERENCE PURPOSES. REFER TO ORIGINAL TOWER DESIGN FOR ADDITIONAL INFORMATION.							
TO C	3. ALL TOWER DIMENSIONS SHALL BE VERIFIED WITH THE PLANS PRIOR TO COMMENCING CONSTRCTION. NOTIFY TH EENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED.							DKEN SOUND PKWY NW
BE FC NOTE								SHALL & ASSOCIATES
GOC CON SUBS WRITI CON KIND	5. 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. CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND OF QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.							
6. CON PROJ		) REFER TO THE M	AOUNT ANA	lysis for t	HIS			COATS
TOWER- TOWER M ANTENNA	FINISH NOTES:     T-MOBILE:       TOWER- TOWER MOUNTS-     GALVANIZED PAINTED RED & WHITE GALVANIZED PAINTED WHITE     SITE TYPE:							
FOUNDAT		UNPAINT GALVAN	ED CONCRE IZED	TE		REV	DATE	DESCRIPTION
CABLES-		BLACK					11/30/2020	FOR CONSTRUCTION
BASE CAB	INEI3/EQUIP	MENT- NEUTRAL	(MANUFAC	IUKEK FIINIS	H)			
		G SUMMAR				ון 🖂		
EXISTING	REMOVE	EQUIP/	MENT	ADD	TOTAL			
6	3	ANTE	NNA	6	9			
3	0	ТМА		0	0			
3	0	RADIOS		6	9			
6	6         2         COAX         0         4         SITE COORDINATES LAT: 35.396714 LONG: -78.668261					6714		
1	1 0 HYBRIDS 2 3 DRAWN: INS CHECKED: PWM JOB#: 20ASBTMMNC-0072					BTMMNC-0072		
и	$N$ $W = P_{M_{c_{1}}} E$ $S$ $N$ $V = P_{M_{c_{1}}} E$ $S$							
	WARMING W MARMING							C-3

1	AL NOTES							
THIS F	PROJECT. RE	ERFORMED A TOWER STR FER TO TOWER STRUCTUR INTENNA CABLE LOADIN		<b>F</b> ··	Mobile			
INTEN	2. TOWER ELEVATION SHOWN IS NOT DRAWN TO SCALE AND IS ONLY INTENDED FOR REFERENCE PURPOSES. REFER TO ORIGINAL TOWER DESIGN FOR ADDITIONAL INFORMATION.							
TO C	3. ALL TOWER DIMENSIONS SHALL BE VERIFIED WITH THE PLANS PRIOR TO COMMENCING CONSTRCTION. NOTIFY TH EENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE DISCOVERED.							
BE FC								
GOC CON SUBS WRITI CON								
				211			C02083-B	
6. CON PROJ		) REFER TO THE MOUNT A	INALISIS FUK II	CII			COATS	
						MOBILE:	RA0169A	
FINISH NC	<u>)1ES</u> :						COATS	
TOWER- TOWER M ANTENNA	\-	GALVANIZED PAIN GALVANIZED PAIN NEUTRAL (MANUF,	NTED WHITE		SI	ITE TYPE: <b>225</b> '	MONOPOLE	
FOUNDAT		UNPAINTED CONC GALVANIZED	CREIE		REV	DATE	DESCRIPTION	
CABLES- BASE CAB	BINETS/EQUIP	BLACK MENT- NEUTRAL (MANUF.	ACTURER FINIS	H)	0	11/30/2020	FOR CONSTRUCTION	
	BASE CABINETS/EQUIPMENT- NEUTRAL (MANUFACTURER FINISH)							
				,				
		G SUMMARY	ADD					
			ADD 6	·				
EXISTING	REMOVE	EQUIPMENT		TOTAL				
EXISTING 6	REMOVE 3	EQUIPMENT	6	101AL 9				
EXISTING 6 3	REMOVE 3 0	EQUIPMENT ANTENNA TMA	6	TOTAL           9           0	L	ITE COORDI AT: 35.39 ONG: -78.66	6714	
EXISTING 6 3 3	REMOVE 3 0 0	EQUIPMENT ANTENNA TMA RADIOS	6 0 6	TOTAL           9           0           9	L L DRA	AT: 35.39 ONG: -78.66 WN: INS CKED: PWM	6714	
EXISTING 6 3 3 6	REMOVE           3           0           2	EQUIPMENT ANTENNA TMA RADIOS COAX HYBRIDS	6 0 6 0	TOTAL           9           0           9           4	DRA CHE	AT: 35.39 ONG: -78.66 WN: INS CKED: PWM	6714 68261	
EXISTING 6 3 3 6	REMOVE           3           0           2	EQUIPMENT ANTENNA TMA RADIOS COAX	6 0 6 0	TOTAL           9           0           9           4           3	L DRA' CHE' JOB#	AT: 35.39 ONG:-78.64 WN: INS CKED: PWM #: 20AS	6714 68261	





SECTOR	MARK	AZIMUTH	ANTENNA MODEL	RADIO MODEL	TMA MODEL	CABLE DESCRIPTION	CONTRACTOR TO
ALPHA	1	0	ERICSSON - AIR6449 B41 (MASSIVE MIMO) (P)	-	-	(2) 1 -5/8" COAX CABLES (235') (DISCONNECTED) (E)	ANTENNAS AND TO OBTAIN NEW
ALPHA	2	0	RFS - APX17DWV-17DWV-S-E-A20 (QUAD) (P)	RADIO 4415 B66A (P)	-	-	REFER TO FINAL R DOCUMENTS TO
	3	-	-	-	-	-	NEW AZIMUTHS
ALPHA	4	0	RFS - APXVAARR24_43-U-NA20 (OCTO) (E)	RADIO 4449 B71 B85 (E) RADIO 4424 B25 (P)	-	(1) ERICSSON 6X12 HCS 4AWG 80M (262') (E)	(E)- EXISTING (
BETA	5	180	ERICSSON - AIR6449 B41 (MASSIVE MIMO) (P)	-	-	(1) 1 -5/8" COAX CABLES (235') (DISCONNECTED) (E)	GC TO PROVIDE CONSTRUCTION DOCUMENTATIO
BETA	6	180	RFS - APX17DWV-17DWV-S-E-A20 (QUAD) (P)	RADIO 4415 B66A (P)	-	-	ANTENNA AZIMU COLOR CODING
-	7	-	-	-	-	-	
BETA	8	180	RFS - APXVAARR24_43-U-NA20 (OCTO) (E)	RADIO 4449 B71 B85 (E) RADIO 4424 B25 (P)	-	(1) ERICSSON 6X12 HCS 4AWG 80M (262') (P)	
GAMMA	9	270	ERICSSON - AIR6449 B41 (MASSIVE MIMO) (P)	-	-	(1) 1 -5/8" COAX CABLES (235') (DISCONNECTED) (E)	
GAMMA	10	270	RFS - APX17DWV-17DWV-S-E-A20 (QUAD) (P)	RADIO 4415 B66A (P)	-	-	
-	11	-	-	-	-	-	
GAMMA	12	270	RFS - APXVAARR24_43-U-NA20 (OCTO) (E)	RADIO 4449 B71 B85 (E) RADIO 4424 B25 (P)	-	(1) ERICSSON 6X12 HCS 4AWG 80M (262') (P)	
-	-	-	-		-	-	

ATE THE STAUC JTHS. IRM

OPOSED

ALL ND CABLES.

## EQUIPMENT NOTES

- THE HYBRID CABLE LENGTH SHOWN IS ONLY AN ESTIMATE AND SHOULD NOT BE USED FOR ORDERING MATERIALS. CONFIRM THE REQUIRED HYBRID CABLE LENGTH WITH T-MOBILE PRIOR TO ORDERING OR INSTALLATION.
- 2. THE CONTRACTOR SHALL TEST THE OPTICAL FIBER AFTER INSTALLATION IN ACCORDANCE WITH T-MOBILE STANDARDS AND SUPPLY THE RESULTS TO T-MOBILE.
- 3. THE CONTRACTOR SHALL CONFIRM THE TOWER TOP EQUIPMENT LIST ABOVE WITH THE FINAL T-MOBILE RFDS PRIOR TO INSTALLATION.
- 4. ALL PROPOSED ANTENNA CABLES SHALL BE COLOR CODED PER T-MOBILE MARKET STANDARDS.
- 5. REFER TO ERICSSON EQUIPMENT INSTALLATION STANDARDS FOR ADDITIONAL INFORMATION.
- 6. REFER TO EQUIPMENT MANUFACTURER'S SPECIFICATION SHEETS FOR ADDITIONAL INFORMATION NOT LISTED ABOVE.
- 7. CONTRACTOR TO FIELD COORDINATE EXACT LOCATION OF PROPOSED EQUIPMENT WITH EXISTING CONDITIONS ON SITE.
- 8. PROPOSED EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE FASTENERS SHALL BE HIGH STRENGTH (A325, A36)
- 9. DRILLING OF EXISTING STEEL MEMBERS IS NOT PERMITTED.
- **10.BOND PROPOSED EQUIPMENT** TO EXISTING SECTOR GROUND BAR PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ADDITIONAL SECTOR GROUND BARS AS REQUIRED.
- 11. ALL ANTENNAS, CABLES, AND MOUNTS SHALL BE INSTALLED IN ACCORDANCE WITH THE **ENGINEER'S RECOMMENDATIONS IN A** MANNER CONSISTENT WITH THE
- STRUCTURAL ANALYSIS REPORT. 12. CONTRACTOR TO CONTACT T-MOBILE FOR UP-TO-DATE RF DESIGN DATA. NOTIFY ENGINEER IF CONFLICT EXISTS.



# **T** - Mobile-



SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487



LOCATION:

SBA

1275 NC HWY-55 COATS, NC 27521

NC02083-B

COATS

T-MOBILE:

5RA0169A COATS

SITE TYPE:

## 225' MONOPOLE

REV	DATE	DESCRIPTION					
0	11/30/2020	FOR CONSTRUCTION					
SITE COORDINATES LAT: 35.396714 LONG: -78.668261							

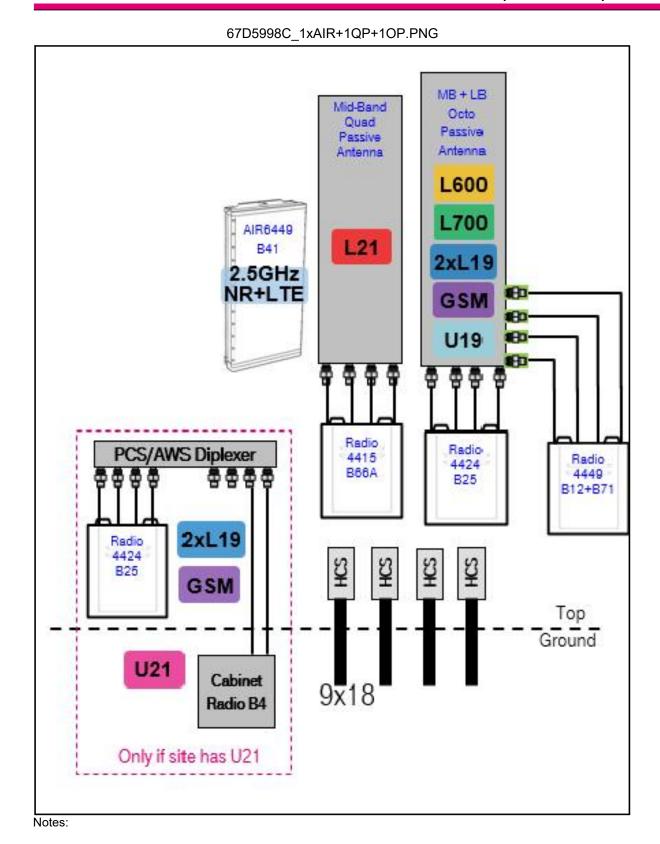
DRAWN:	INS
CHECKED:	PWM
JOB#:	20ASBTMMNC-0072

## ANTENNA **ORIENTATION & CABLE SCHEDULE**

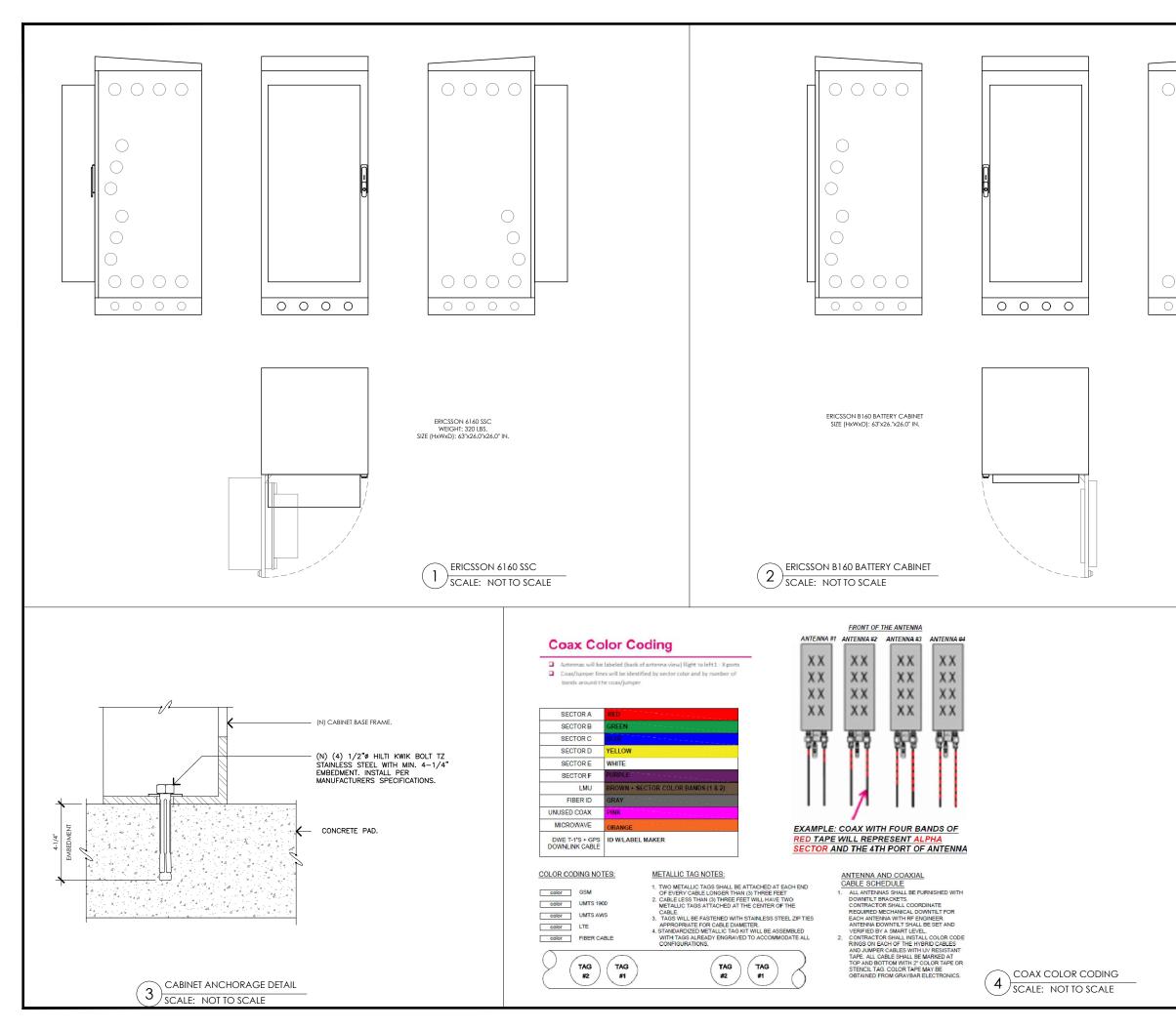
## **C-4**

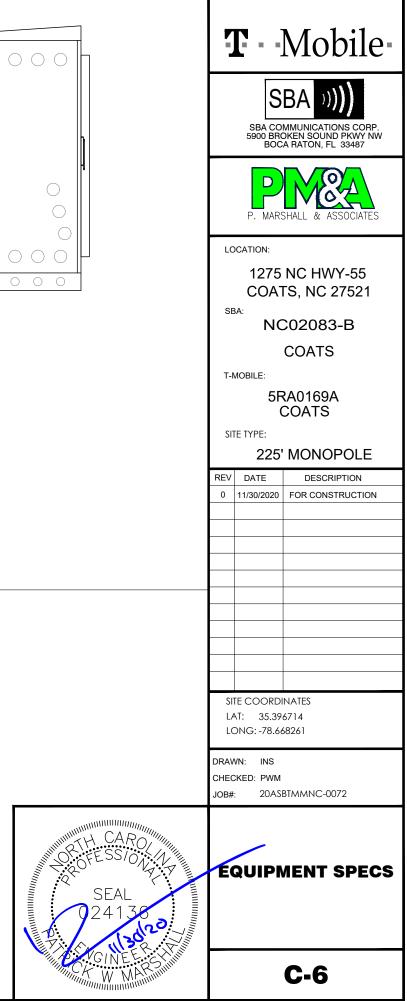
10/19/2020

## Section 3 - Proposed Template Images



	<b>·</b> · ·	Mobile				
	SBA CO 5900 BRO	BAD))))) MMUNICATIONS CORP. DKEN SOUND PKWY NW A RATON, FL 33487				
	P. MARSHALL & ASSOCIATES					
LC	CATION:					
	COAT	NC HWY-55 FS, NC 27521				
SE		С02083-В				
		COATS				
Т-М	MOBILE:					
		RA0169A COATS				
SIT	E TYPE:					
	225	MONOPOLE				
REV 0	DATE 11/30/2020	DESCRIPTION FOR CONSTRUCTION				
0	11/30/2020					
SITE COORDINATES LAT: 35.396714 LONG: -78.668261						
DRAV CHEC JOB#	KED: PWM	BTMMNC-0072				
550ff						
PLUMBING DIAGRAM						
		C-5				





## EQUIPMENT NOTES

### DEMO NOTES:

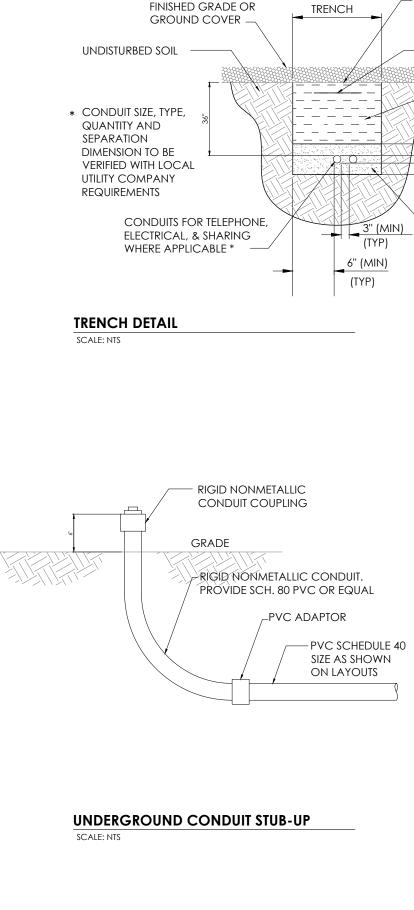
- 1. REWORK ALL TERMINATION, ELECTRICAL CONNECTORS, CONDUCTORS, CONDUITS, ETC. TO FACILITATE NEW WORK.
- 2. VERIFY LOCATION IN THE FIELD OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING. COORDINATE WITH PUBLIC UTILITIES AS NECESSARY TO COMPLETE REQUIRED WORK AS INDICATED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR / REPLACEMENT OF ALL DAMAGED UTILITIES AT THE EXPENSE OF THE CONTRACTOR.
- 3. DEMOLITION IS INCLUDED TO GIVE A COMMON BASIS FOR QUOTATIONS AND MAY NOT SHOW EVERY ITEM TO BE DEMOLISHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF WORK, COORDINATION, DEMOLITION, TEMPORARY FACILITIES, UTILITIES, ETC. NECESSARY TO COMPLETE THE PROJECT AS INDICATED ON THE CONTRACT DOCUMENTS.
- 4. PROTECT NETWORK EQUIPMENT, RECTIFIERS, FIBER CABLE, RACEWAYS, UTILITIES, BUILDING SYSTEMS, ETC. FROM DAMAGE.
- 5. EQUIPMENT DESIGNATED TO BE RELOCATED SHALL BE CLEANED, STORED AND PROTECTED FROM DAMAGE UNTIL REINSTALLED. REPLACE ALL EQUIPMENT DAMAGED DURING RELOCATING.
- 6. PROVIDE TEMPORARY POWER TO ALL ESSENTIAL SYSTEMS AS REQUIRED TO FACILITATE DEMOLITION. PROVIDE TEMPORARY COOLING UNITS AS REQUIRED.
- 7. MAINTAIN CIRCUIT CONTINUITY TO EXISTING CIRCUITS AND EQUIPMENT TO REMAIN OR TO BE RELOCATED.
- 8. WHERE ALLOWED BY CODE IT IS PERMISSIBLE TO REUSE EXISTING CONDUIT. PROVIDE NEW CONDUIT AND CONDUCTORS FOR NEW CIRCUITS AND THE EXTENSION OF EXISTING CIRCUITS.
- 9. PROVIDE EQUIPMENT PROTECTION ABOVE ALL NETWORK EQUIPMENT (INCLUDING BUT NOT LIMITED TO CABLING, BUS, CABLE TRAY, EQUIPMENT BAYS, RECTIFIERS, BATTERIES, INVERTERS, DISTRIBUTION PANELS, ETC.) WHEN WORKING ABOVE ALL EQUIPMENT. ALL PROTECTION SHALL BE COORDINATED WITH THE SWITCH MANAGER TO ENSURE THAT THE PROTECTION WILL NOT BLOCK ACCESS TO EQUIPMENT OR CAUSE OVERHEATING. PROVIDE TEMPORARY COOLING AS REQUIRED.
- 10. PROVIDE APPROPRIATE SEALING AND PATCHING OF ANY BUILDING PENETRATIONS AFTER REMOVAL OF ELECTRICAL DEVICES, EQUIPMENT, ETC. MATCH EXISTING WALLS. SEE ARCHITECTURE.

### GENERAL NOTES:

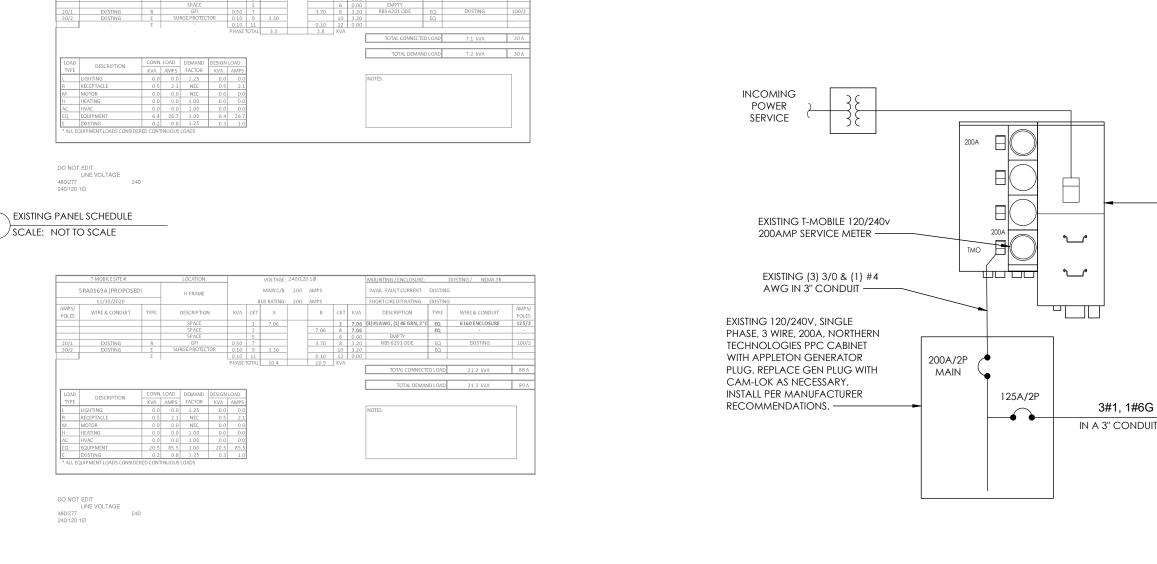
- 1. IT IS CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE & DETERMINE THE EXACT EXTENT OF WORK, COORDINATION, DEMOLITION, TEMPORARY FACILITIES, UTILITIES, ETC. NECESSARY TO COMPLETE THE PROJECT AS INDICATED ON THE CONTRACT DOCUMENTS.
- 2. VERIFY LOCATION IN THE FIELD OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATING. COORDINATE WITH PUBLIC UTILITIES AS NECESSARY TO COMPLETE REQUIRED WORK AS INDICATED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR/REPLACEMENT OF ALL DAMAGED UTILITIES AT THE EXPENSE OF THE CONTRACTOR.
- 3. PROVIDE SEPARATE INSULATED GROUNDING CONDUCTOR IN ALL FEEDER & BC.
- 4. PROVIDE 2-HOLE LUGS CAPABLE OF ACCEPTING MULTIPLE CRIMPS FOR ALL POWER & GROUNDING CONNECTIONS TO A BUS OR WHERE FEASIBLE. USE MANUFACTURER'S COMPRESSION TOOL WITH PROPER DIE FOR EACH CONNECTOR. MANUFACTURER'S EMBOSSED CODING SYSTEM IS REQUIRED. A UNIVERSAL OR DIE-LESS TYPE CRIMPING TOOL SHALL NOT BE USED. PROVIDE LUGS WITH INSPECTOR HOLE FOR ALL INTERIOR INSTALLATIONS. PROVIDE CLOSED LUGS (NO INSPECTION HOLE) FOR EXTERIOR OR UNDERGROUND CONNECTIONS.
- 5. FEEDER CIRCUITS, GROUND LEADS, & DEDICATED EQUIPMENT CIRCUITS SHALL NOT BE SPLICED.
- 6. VERIFY LASHING REQUIREMENTS FOR SERVICE ENTRANCE & MAIN DISTRIBUTION EQUIPMENT WITH MANUFACTURER. INSTALL LASHING PER MANUFACTURER'S REQUIREMENTS.

### COMPRESSION LUG NOTES:

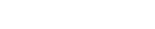
REFER TO SPECIFICATION SECTION 260519 & NSTD516 REGARDING REQUIREMENTS FOR A SAMPLE COMPRESSION LUG SUBMITTAL ON ALL PROJECTS. FAILURE TO PROVIDE CORRECT LUGS & SUBMIT A SAMPLE COMPRESSION LUG TO VZW PRIOR TO INSTALLATION OF ANY LUGS MAY RESULT IN REJECTION OF THE INSTALLATION & REPLACEMENT OF ALL LUGS & ASSOCIATED CABLE, WHERE REQUIRED, AT NO COST TO VZW.



MIRAFI 500X GEOFABRIC UNDERLAYMENT		<b>C</b>	Mobile-		
	SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487				
IMPORTED SOIL	P. MARSHALL & ASSOCIATES				
Compacted sand bed			NC HWY-55 IS, NC 27521		
			CO2083-B COATS		
	T-I	MOBILE:			
			RA0169A COATS		
	SI	TE TYPE:			
		225'	MONOPOLE		
	REV 0	DATE 11/30/2020	DESCRIPTION FOR CONSTRUCTION		
	0	11/30/2020	FOR CONSTRUCTION		
	-				
	Sľ	TE COORDI	NATES		
		AT: 35.39 DNG: -78.66			
	DRAV				
	CHEC JOB#	: 20AS	BTMMNC-0072		
MUMMUM CARO					
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The Coression of the state of t			CTRICAL ETAILS		
SEAL			ETAILS		
SEAL 02413020					
THE REPORT					
W MARMINI			E-1		



(2) PROPOSED PANEL SCHEDULE SCALE: NOT TO SCALE



ONE-LINE DIAGRAM SCALE: NOT TO SCALE

### GENERAL ELECTRICAL NOTES

5RA0169A (EXISTING

WIRE & CONDUIT

H-ERAME

DESCRIPTION

- 1. NO SITE SPECIFIC LOAD STUDY WAS ACQUIRED. DEMAND LOADING KVA SHOWN AS ASSUMPTIONS PER MANUFACTURER SPECIFICATION DOCUMENTS & INDUSTRY STANDARD. WHEN OVERAGES ARE VERIFIED ON SITE, ALL DISCREPANCY SHALL BE BROUGHT TO THE ENGINEER OF RECORD PRIOR TO COMMENCING WORK.
- 2. ELECTRICAL SERVICE SHALL BE 200A, 240/120v, 1 P, 3W
- 3. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER TO VENDER PRINTS PROVIDED BY EQUIPMENT MANUFACTURER.

MAIN C/B: 200 AMP

BUS RATING: 200 AMPS

А

В

AVAIL. FAULT CURRENT: EXISTING

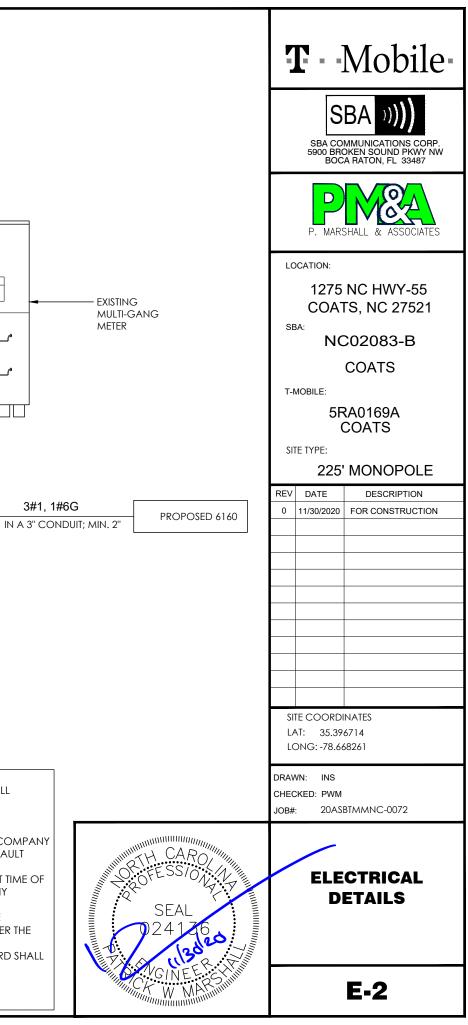
SHORT CIRCUIT RATING: EXISTING

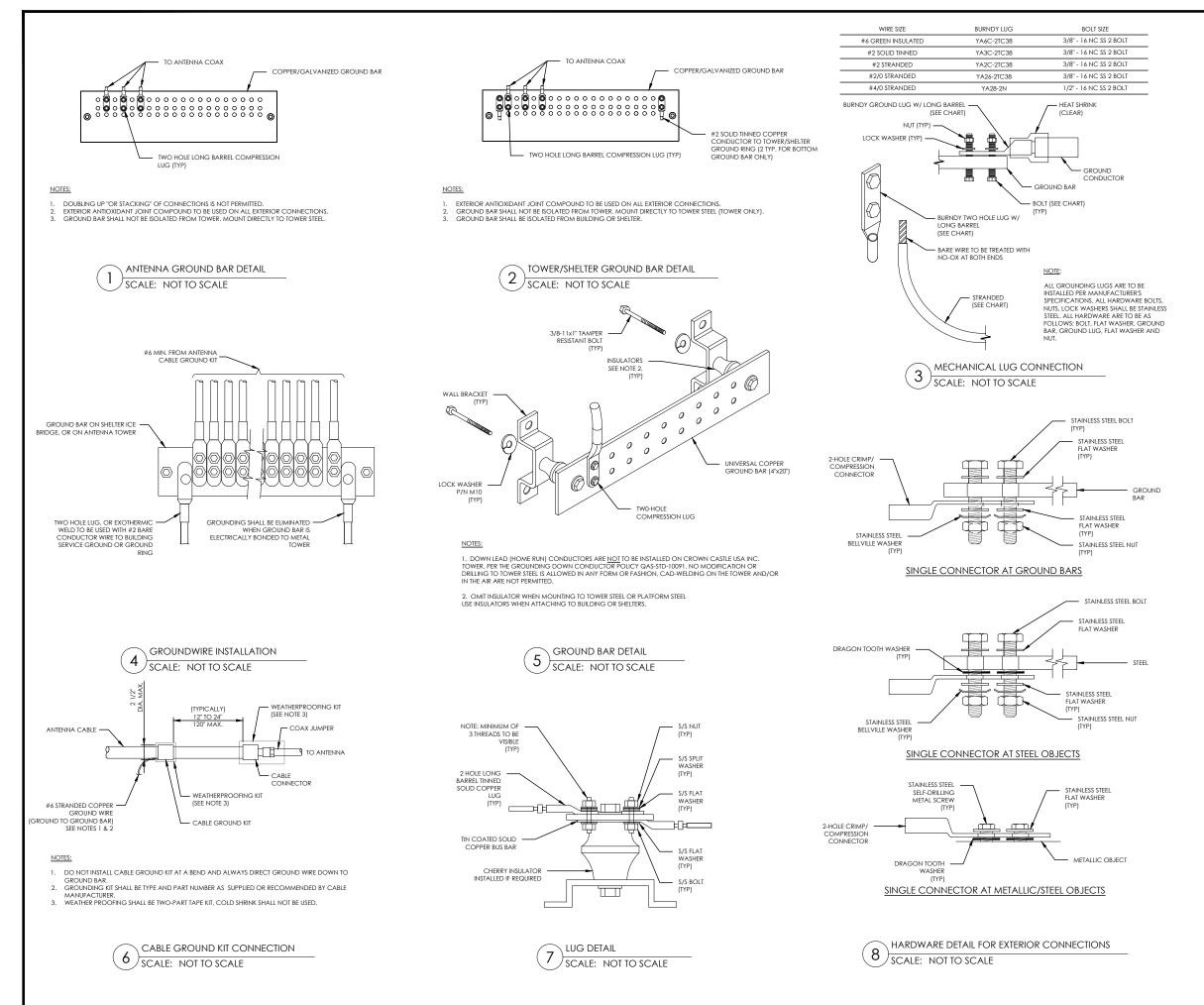
DESCRIPTION

TYPE WIRE & CONDUIT

EXISITING

- 4. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH POWER COMPANY AND ENSURE ALL ELECTRICAL EQUIPMENT IS SUITABLE FOR AVAILABLE FAULT CURRENT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY AND CALCULATE SHORT CIRCUIT FAULT CURRENT AND ARC FLASH AND PROVIDE LABELS ON ELECTRICAL EQUIPMENT PER THE N.E.C. AND LOCAL JURISDICTION. CONTRACTOR SHALL PROVIDE EQUIPMENT RATED FOR FAULT CURRENT.
- 5. CONTRACTOR SHALL COORDINATE UTILITY SERVICES WITH LOCAL UTILITY COMPANIES. VERIFY ALL REQUIREMENTS WITH UTILITY COMPANY STANDARDS. THE MAXIMUM 12-MONTH DEMAND LOAD WAS NOT AVAILABLE AT TIME OF PRINTING. CONTRACTOR SHALL COORDINATE WITH POWER CO., OBTAIN MAXIMUM DEMAND LOAD, MULTIPLY VALUE BY 1.25, ADD ALL NEW LOADS & VERIFY NEW MAXIMUM DEMAND LOAD DOES NOT OVERLOAD ANY PORTION OF THE EXISTING ELECTRICAL SYSTEM. CONTACT EOR IF OVERLOAD IS POSSIBLE BEFORE START OF WORK.
- 6. ONE-LINE DIAGRAM IS SCHEMATIC ONLY AND NOT INDICATIVE OF ACTUAL EQUIPMENT LAYOUT. CONTRACTOR IS RESPONSIBLE FOR LOADING ON ALL PANELS AND FEEDERS PER THE N.E.C. CONTRACTOR SHALL ENSURE CONTINUITY OF EXISTING CIRCUITS TO REMAIN. ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL EXISTING AND PROPOSED LOADS PLACED ON EXISTING PANELS DO NOT EXCEED THE MAXIMUM LOADING REQUIRED PER THE LATEST EDITION OF THE N.E.C. NOTIFY EOR IF OVERLOAD IS POSSIBLE
- 7. 6160 ENCLOSURE STANDARD CONFIGURATION INCLUDES (4) 3500W RECTIFIERS. LOAD PROVIDED IN PANEL SCHEDULE IS BASED ON THIS CONFIGURATION. IF ADDITIONAL RECTIFIERS ARE REQUIRED, ENGINEER OF RECORD SHALL BE CONTACTED TO DETERMINE ADEQUACY OF EXISTING PANEL FOR ADDITIONAL LOAD
- 8. CONTRACTOR SHALL FIELD VERIFY EXISTING AC PANEL MODEL AND ENSURE 125A, 2P,2-POSITION BREAKER IS COMPATIBLE, CONTACT EOR IF DISCREPANCIES ARE FOUND.
- 9. CONTRACTOR TO FIELD VERIFY ALL EQUIPMENT RATINGS AND WIRE SIZES. IF ANY DISCREPANCIES EXIST, CONTACT ENGINEER PRIOR TO ROUGH IN.





	<b>T</b> - Mobile-
	SBA COMMUNICATIONS CORP. 5900 BROKEN SOUND PKWY NW BOCA RATON, FL 33487
	P. MARSHALL & ASSOCIATES
	LOCATION: 1275 NC HWY-55 COATS, NC 27521 SBA:
	NC02083-B COATS
	T-MOBILE: 5RA0169A COATS
	SITE TYPE: 225' MONOPOLE
	REV         DATE         DESCRIPTION           0         11/30/2020         FOR CONSTRUCTION
	SITE COORDINATES LAT: 35.396714 LONG: -78.668261
	DRAWN: INS CHECKED: PWM JOB#: 20ASBTMMNC-0072
MUMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	GROUNDING
SEAL 024130	DETAILS
WIND KONEEKS HUM	E-3