



404.371.2155 (o)  
404.371.4556 (f)  
DeKalbCountyGa.gov

Clark Harrison Building  
330 W. Ponce de Leon Ave  
Decatur, GA 30030

Chief Executive Officer  
Michael Thurmond

DEPARTMENT OF PLANNING & SUSTAINABILITY

Director  
Andrew A. Baker, AICP

Application for Certificate of Appropriateness

Date Received: \_\_\_\_\_ Application No.: 3083424

Address of Subject Property: 1256 Briarcliff Rd. NE, Atlanta, GA 30306

Applicant: Alyse Roe, Towersource, LLC, agent for T-Mobile E-Mail: aroe@towersourceinc.com

Applicant Mailing Address: 1080 Holcomb Bridge Road, Bldg. 100, #350, Roswell, GA 30076

Applicant Phone(s): (512) 554-1104 Fax: \_\_\_\_\_

Applicant's relationship to the owner: Owner  Architect:  Contractor/Builder  Other  Agent for T-Mobile

Owner(s): Emory University E-Mail: sara.lu@emory.edu

E-Mail: \_\_\_\_\_

Owner(s) Mailing Address: 1440 Clifton Road NE 318A, Atlanta, GA 30322

Owner(s) Telephone Number: 404-727-8439

Approximate age or date of construction of the primary structure on the property and any secondary structures affected by this project: UNKNOWN

Nature of work (check all that apply):

- New construction  Demolition  Addition  Moving a building  Other building changes 
New accessory building  Landscaping  Fence/Wall  Other environmental changes 
Sign installation or replacement  Other

Description of Work:

THE PROPOSED SCOPE OF WORK WILL CONSIST OF MODIFYING EXISTING TELECOMMUNICATIONS EQUIPMENT ON AN EXISTING ROOFTOP SITE. THE PROPOSED CONSTRUCTION WILL INCLUDE THE INSTALLATION OF ANTENNA(S), CABLE(S) AND ANCILLARY EQUIPMENT ON THE ROOFTOP.

This form must be completed in its entirety and be accompanied by supporting documents, such as plans, list of materials, color samples, photographs, etc. All documents should be in PDF format, except for photographs, which may be in JPEG format. Email the application and supporting material to plansustain@dekalbcountyga.gov An incomplete application will not be accepted.

Alyse Roe 6/24/2021
Signature of Applicant/Date



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**DEPARTMENT OF PLANNING & SUSTAINABILITY**

**Authorization of a Second Party to Apply for a Certificate of Appropriateness**


This form is required if the individual making the request is **not** the owner of the property.

I/ We, Senbao "Sara" Lu, Associate Vice President for Real Estate on behalf of Emory University

being owner(s) of the property at 1256 Briarcliff Rd. NE, Atlanta, GA 30306,

hereby delegate authority to Alyse Roe, Towersource, LLC, agent for T-Mobile

to file an application for a certificate of appropriateness in my/our behalf.

DocuSigned by:  
  
4BA259DFE977462...

Signature of Owner(s)

6/23/2021

Date

**Please review the following information**

**Approval of this Certificate of Appropriateness does not release the recipient from compliance with all other pertinent county, state, and federal regulations.**

Before making any changes to your approved plans, contact the preservation planner (404/371- 2155). Some changes may fall within the scope of the existing approval, but others will require review by the preservation commission. If work is performed which is not in accordance with your certificate, a Stop Work Order may be issued.

If your project requires that the county issue a Certificate of Occupancy at the end of construction, an inspection may be made to verify that the work has been completed in accord with the Certificate of Appropriateness. If the work as completed is not the same as that approved in the Certificate of Appropriateness you will not receive a Certificate of Occupancy. You may also be subject to other penalties including fines and/or required demolition of the non-conforming work.

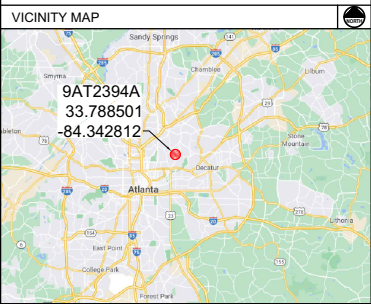
If you do not commence construction within twelve months of the date of approval, your Certificate of Appropriateness will become void and you will need to apply for a new certificate if you still intend to do the work.

- BUILDING CODES**
- INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH 2020 GEORGIA STATE AMENDMENTS
  - INTERNATIONAL MECHANICAL CODE, 2018 EDITION, WITH 2020 GEORGIA STATE AMENDMENTS
  - INTERNATIONAL FUEL GAS CODE, 2018 EDITION, WITH 2020 GEORGIA STATE AMENDMENTS
  - INTERNATIONAL PLUMBING CODE, 2018 EDITION, WITH 2020 GEORGIA STATE AMENDMENTS
  - NATIONAL ELECTRICAL CODE, 2020 EDITION (NO GEORGIA AMENDMENTS)
  - INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, WITH 2020 GEORGIA SUPPLEMENTS AND AMENDMENTS
  - STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES - (ANSI/TIA-222-H)

**HANDICAP REQUIREMENTS**  
 FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAP ACCESS IS NOT REQUIRED

**PLUMBING REQUIREMENTS**  
 FACILITY HAS NO SANITARY OR POTABLE WATER.

**SITE ACCESS**  
 ACCESS SITE VIA PARKING ACCESS FOUND ON NORTH SIDE OF BUILDING.



**2021 ANCHOR PROJECT**  
**T-MOBILE SITE #: 9AT2394A**  
**ROOFTOP**  
**CONFIGURATION: 56794EZ\_SR\_U21**  
**SITE ADDRESS:**  
**1256 BRIARCLIFF ROAD NE**  
**ATLANTA, GA 30306**

**PROJECT SCOPE**  
 THE PROPOSED SCOPE OF WORK WILL CONSIST OF MODIFYING EXISTING TELECOMMUNICATIONS EQUIPMENT ON AN EXISTING ROOFTOP SITE. THE PROPOSED CONSTRUCTION WILL INCLUDE THE INSTALLATION OF ANTENNA(S), CABLE(S) AND ANCILLARY EQUIPMENT ON THE ROOFTOP.

**DRAWING INDEX**

SHEET	DESCRIPTION	REV
T1	TITLE SHEET	0
GN1	GENERAL NOTES	0
C1	ROOFTOP PLAN	0
C2	DETAILED EQUIPMENT PLAN	0
C3	BUILDING ELEVATION	0
C3.1	ANTENNA MOUNT DETAILS	0
C4	EQUIPMENT SCHEDULE AND LOADING SUMMARY	0
C5	RFDS CONFIGURATION	0
E1	ELECTRICAL AND GROUNDING DETAILS	0

**SITE SUMMARY**

**SITE TYPE:** ANTENNA MODIFICATION  
**LATITUDE:** N 33° 47' 18.6"  
**LONGITUDE:** W 84° 20' 34.1"  
**JURISDICTION:** DEKALB COUNTY  
**POWER COMPANY:** NIP  
**TELCO COMPANY:** NIP  
**BUILDING OWNER:** EMORY UNIVERSITY  
 OFFICE OF BUSINESS MANAGEMENT  
 301 PM DRIVE, SUITE 102  
 DECATUR, GA 30322  
**CARRIER:** T-MOBILE  
 1 RAVINIA DRIVE  
 SUITE 1000  
 ATLANTA, GA 30346  
**ENGINEER:** TOWERSOURCE  
 1080 HOLCOMB BRIDGE ROAD  
 BUILDING 100, SUITE 350  
 ROSWELL, GA 30076  
 678-990-2338

**GENERAL NOTES**

- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTORS SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
- THE SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNERS DESIGNATED LOCATION.
- THE SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITIONS.
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWING MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.



**A&E FIRM:**  
  
 1080 HOLCOMB BRIDGE ROAD  
 BUILDING 100, SUITE 350  
 ROSWELL, GA 30076  
 TEL: 678-990-2338 FAX: 678-990-2342

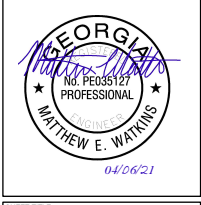
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**9AT2394A**  
 1256 BRIARCLIFF ROAD NE  
 ATLANTA, GA 30306

**DRAWN BY:** MDS  
**CHECKED BY:** MEW  
**APPROVED BY:** MEW

**REVISIONS**

REV	DATE	DESCRIPTION
0	04/06/21	ISSUED FOR CONSTRUCTION



**SHEET TITLE:**  
**TITLE SHEET**

**SHEET #:** T1 **REVISION:** 0

**GENERAL NOTES:**

- CONTRACTOR IS TO COMPLY WITH THE REQUEST FOR QUOTATION (RFQ) AND CONSTRUCTION SPECIFICATIONS (LATEST REVISION) & BUILDING MANUFACTURERS DRAWINGS.
- DIMENSIONS TO ALL EXISTING SITE FEATURES SHALL BE FIELD VERIFIED BY THE CONTRACTOR & ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES, PIPES, OR ANY OTHER SUBSURFACE STRUCTURES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY LOCATING SERVICE 48 HRS PRIOR TO DIGGING, DRILLING, OR BLASTING.
- T-MOBILE CONSTRUCTION PROJECT MANAGER OR T-MOBILE REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED WRITTEN APPROVAL OF T-MOBILE'S CONSTRUCTION PROJECT MANAGER OR T-MOBILE'S REPRESENTATIVE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL DRAWINGS & SPECIFICATIONS AND TO COORDINATE HIS WORK WITH THE WORK OF ALL OTHERS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.
- CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE PROPERTY OWNER AS TO AVOID ANY INTERRUPTIONS WITH THE PROPERTY OWNER'S OPERATIONS.
- CONTRACTOR SHALL KEEP THE PROJECT SITE FREE FROM ACCUMULATION OF WASTE MATERIALS & RUBBISH AT ALL TIMES DURING THE CONSTRUCTION PERIOD, & SHALL REMOVE ALL WASTE MATERIALS & RUBBISH FROM THE PROJECT SITE AT THE COMPLETION OF WORK, EXCEPT THOSE SPECIFICALLY REQUIRED BY THE CONTRACT DOCUMENTS TO BE LEFT FOR THE OWNER'S MAINTENANCE.
- THE CONTRACTOR SHALL RESTORE ALL PROPERTY TO ITS PRE-CONSTRUCTION CONDITION TO THE OWNER'S SATISFACTION.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY DISTURBED, DAMAGED, OR REMOVAL OF MONUMENTATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR.
- DAMAGE TO EXISTING STRUCTURES & UTILITIES SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE. MAINTAIN FLOW FOR ALL UTILITIES.
- ALL UTILITY CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY COMPANY PRIOR TO EACH CONNECTION.
- UNLESS OTHERWISE INDICATED, T-MOBILE SHALL OBTAIN & PROVIDE CONSTRUCTION PERMITS. THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL REQUIRED LOCAL, CITY, STATE AND/OR COUNTY CONSTRUCTION LICENSES. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL APPLY FOR & PROVIDE A CERTIFICATE OF OCCUPANCY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE FOR CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, & FEDERAL REGULATIONS.
- CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO AN APPROVED LANDFILL.
- SECURITY TO THE SITE SHALL BE MAINTAINED AT ALL TIMES.
- CONTRACTOR IS RESPONSIBLE FOR THE CONDITION OF THE EQUIPMENT DURING AND AFTER CONSTRUCTION. THE EQUIPMENT SHALL NOT BE USED FOR STORAGE OF TOOLS, CONSTRUCTION MATERIALS OR EQUIPMENT. CONTRACTOR SHALL ENSURE THE SHELTER IS CLEANED AT CONCLUSION OF CONSTRUCTION.
- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR - GENERAL CONTRACTOR  
SUBCONTRACTOR - SUBCONTRACTOR HIRED BY GENERAL CONTRACTOR.  
OEM - ORIGINAL EQUIPMENT MANUFACTURER
- PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF OWNER.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL, AN UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONS CODES, ORDINANCES AND APPLICABLE REGULATIONS
- DRAWING PROVIDED WERE DESIGN AND SCALED TO 1/4"=1' FORMAT.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE OWNER.
- CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND T1/CO PLAN DRAWINGS.

- CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

- CONTRACTORS SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIAL.

**SITE WORK GENERAL NOTES:**

- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR IS TO POT HOLE UTILITY LOCATES POST MARKING TO VERIFY UTILITY LOCATES ARE CORRECT.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WERE ENCOUNTERED IN THE WORK. SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR/SUBCONTRACTOR WHEN EXCAVATION OR DRILLING PIERS AROUND OR NEAR UTILITIES.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILIZES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, OWNER AND/OR LOCAL UTILITIES.
- THE OWNER SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE (TO BE INSTALLED BY CONTRACTOR).
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE BTS EQUIPMENT AND TOWER AREAS.
- NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE PROJECT SPECIFICATIONS.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- CONTRACTOR SHALL NOT INSTALL EQUIPMENT THAT WILL IMPEDE DOOR OR ACCESS PANELS.

**MASONRY NOTES:**

- HOLLOW CONCRETE MASONRY UNITS SHALL MEET A S.T.M. SPECIFICATION C90, GRADE N, TYPE 1. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (Fm) SHALL BE 1500 PSI.
- MORTAR SHALL MEET THE PROPERTY SPECIFICATION OF A S.T.M. C270 TYP. "S" MORTAR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
- GROUT SHALL MEET A S.T.M. SPECIFICATION C475 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI
- CONCRETE MASONRY SHALL BE LAID IN RUNNING (COMMON) BOND.
- WALL SHALL RECEIVE TEMPORARY BRACING, TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL GROUT IS FULL CURED.

**STRUCTURAL STEEL NOTES:**

- ALL STEEL WORK SHALL BE PAINTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND IN ACCORDANCE WITH ASTM A58 UNLESS OTHERWISE NOTED.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC 360 "SPECIFICATION FOR THE DESIGN, FABRICATION & ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- ALL INTERIOR STRUCTURAL STEEL SHALL BE FINISHED WITH ONE COAT FABRICATOR'S NON-LEAD, RED OXIDE PRIMER. PRIMING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARKS, & WELDS IN THE PRIMED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
- ALL EXTERIOR STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATION ASTM A123 UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARKS, & WELDS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK. ALL DINGS, SCRAPES, MARKS AND WELDS SHALL BE COATED WITH SHERWIN WILLIAMS "ZINC CLAD IV" APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- INSTALLATION OF CONCRETE EXPANSION WEDGE ANCHOR, SHALL BE PER MANUFACTURER'S RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO THE EMBEDMENT DEPTH SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR CONTRACTOR APPROVAL WHEN DRILLING HOLES IN CONCRETE. SPECIAL INSPECTIONS, REQUIRED BY GOVERNING CODES SHALL BE PERFORMED IN ORDER TO MAINTAIN MANUFACTURERS MAXIMUM ALLOWABLE LOADS.
- HOLES SHALL NOT BE PLACED THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON THE DRAWINGS.

**7. CONNECTIONS:**

- ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE 2.2.4 IN THE AISC 360 "MANUAL OF STEEL CONSTRUCTION". AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED. SEE NOTE 4.
  - BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4") AND SHALL HAVE A MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
  - NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA GALVANIZED ASTM A307 BOLTS UNLESS NOTED OTHERWISE.
  - CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.
- 8. STEEL SHAPE:**
- W SHAPES - ASTM A992, GR 50
  - PLATES, ANGLES, CHANNELS - ASTM A36
  - PIPES A53 GR B

**SYMBOLS:**

- SOLID GROUND BUSS BAR
- SOLID NEUTRAL BUSS BAR
- SUPPLEMENTAL GROUND CONDUCTOR
- 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER
- DISCONNECT SWITCH
- METER
- EXOTHERMIC WELD (CADMOLD) (UNLESS OTHERWISE NOTED)
- MECHANICAL WELD
- 
- 
- GROUNDING WIRE
- FENCE
- CONTOUR LINE
- PROPERTY LINE / ROW
- LEASE AREA
- EASEMENT

**ABBREVIATIONS:**

- ACL ABOVE GRADE LEVEL
- BTS BASE TRANSFER STATION
- (E) EXISTING
- MIN. MINIMUM
- N.T.S. NOT TO SCALE
- REF REFERENCE
- T.B.D. TO BE DETERMINED
- T.B.R. TO BE RESOLVED
- TYP TYPICAL
- REQ REQUIRED
- EGR EQUIPMENT GROUND RING
- AWG AMERICAN WIRE GAUGE
- MGB MASTER GROUND BUSS
- EGS EQUIPMENT GROUND
- BCW BARE COPPER WIRE
- SIW SMART INTEGRATED ACCESS DEVICE
- GEN GENERATOR
- IGR INTERIOR GROUND RING (HALD)
- RBS RADIO BASE STATION
- U.N.O. UNLESS NOTED OTHERWISE

1 RAVINIA DRIVE  
SUITE 1000  
ATLANTA, GA 30346

**A&E FIRM:**

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TEL: 678-990-2338 FAX: 678-990-2342

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DRAWN BY: **MDS**  
CHECKED BY: **MEW**  
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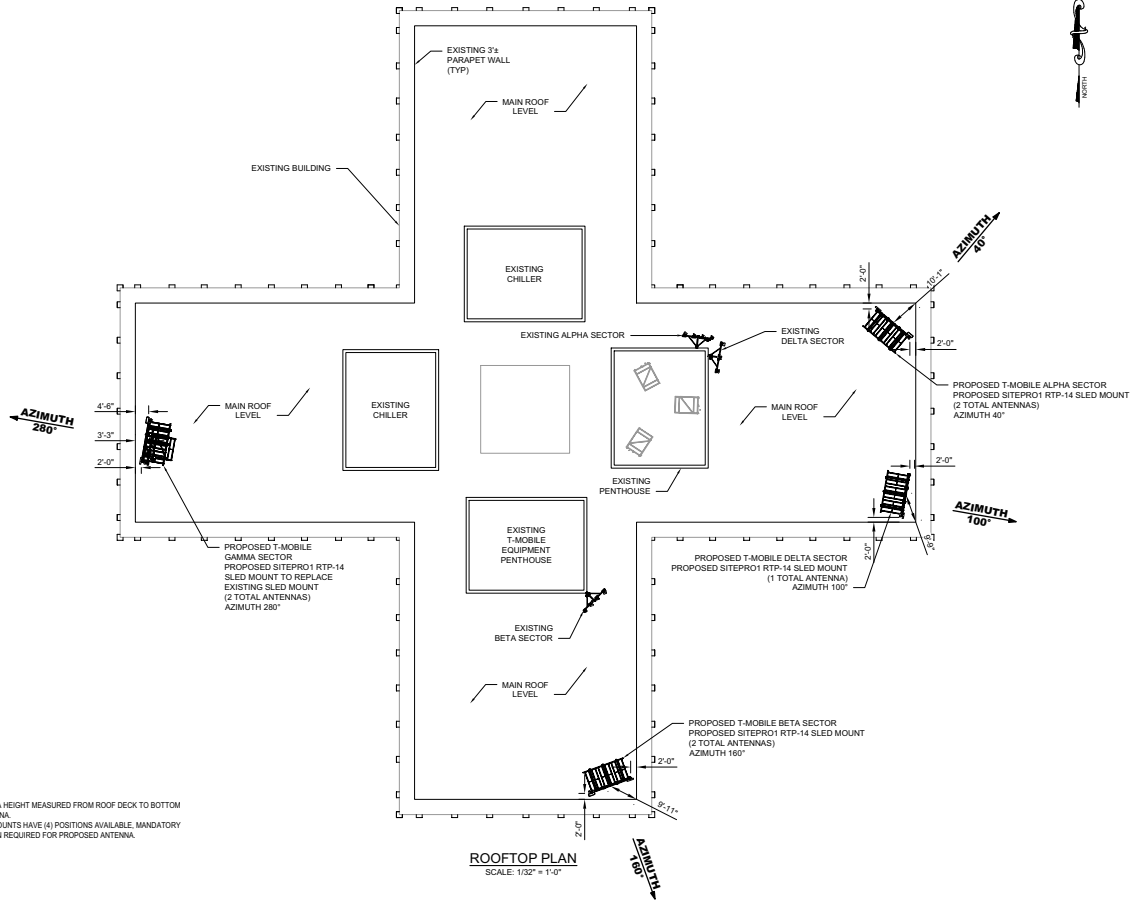
REVISIONS		
REV	DATE	DESCRIPTION
1	04/06/21	ISSUED FOR CONSTRUCTION

SHEET TITLE:  
**GENERAL NOTES**

SHEET #:  
**GN1**

REVISION:  
**0**

ALL SECTORS REQUIRE  
10'-0" OF CLEARANCE FROM  
ROOF DECK



**T-Mobile**  
1 RAVINIA DRIVE  
SUITE 1000  
ATLANTA, GA 30346

A&E FIRM:  
**towersource**  
1080 HOLCOMB BRIDGE ROAD  
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REVISIONS		
REV	DATE	DESCRIPTION

**GEORGIA**  
**PE035127**  
PROFESSIONAL ENGINEER  
**MATTHEW E. WATKINS**  
04/06/21

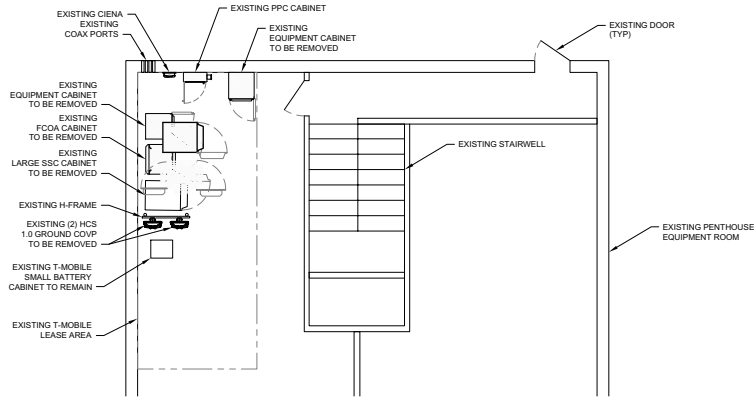
SHEET TITLE:  
**ROOFTOP PLAN**

SHEET #: **C1** REVISION: **0**

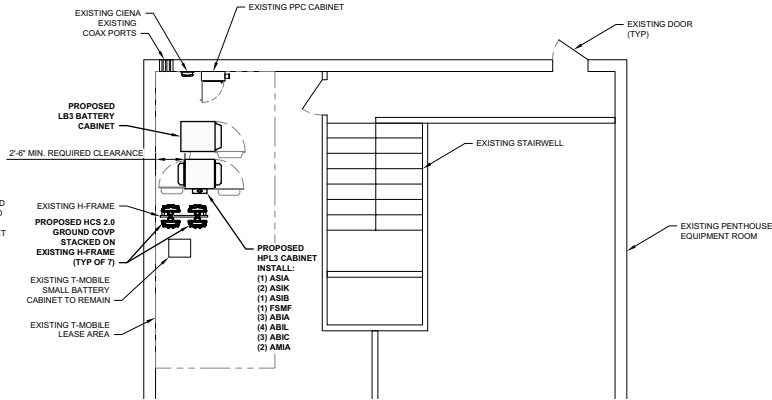
**EQUIPMENT INSTALLATION NOTES:**

1. INSTALL 1" FLEX CONDUIT WITH 90 DEGREE CONNECTOR AT THE TOP KNOCKOUT.
2. INSTALL ONE PROVIDED MM FIBER (SAP# 33542/33503) AND ONE CAT6 (WHITE) CABLE FOR BACKUP.
3. INSTALL 3/4" FLEX CONDUIT WITH ONE CAT6 CABLE (WHITE) FOR EACH LEGACY SYSTEM MODULE.
4. FLEX CONDUIT WILL STOP AT THE SIDE EMHA CASE.
5. COVER EXPOSED WIRE WITH BLACK HEAT SHRINK.
6. INSTALL 1" FLEX CONDUIT WITH 90 DEGREE CONNECTOR AT THE TOP KNOCKOUT WITH ONE #6 TELCO FLEX PAIR WIRES (BLUE/BLACK).
7. INSTALL 3/4" FLEX CONDUIT WITH ONE #6 TELCO FLEX PAIR WIRES (BLUE/BLACK) FOR EACH LEGACY MODULE.
8. FLEX CONDUIT WILL STOP AT THE SIDE EMHA CASE.
9. WIRE TRANSITION FROM FLEX CONDUIT TO INSIDE EMHA CASE NEED TO BE COVERED BY 1" BLACK HEAT SHRINK.
10. INSTALL ONE LEAD #6 THHN GREEN TO THE NEAREST GROUND BAR, THIS CABLE MUST BE INSTALLED USING 3/4" FLEX CONDUIT.
11. INSTALL CAT6 R4 FROM COVP OVER TO FSEB/FSEE EXTERNAL ALARM BOARD. THIS CABLE MUST BE INSTALLED USING 3/4" FLEX CONDUIT.
12. INSTALL 2" FLEX CONDUIT FROM SSC TO COVP.
13. BOTTOM JUNCTION BOX REQUIRES 3 CD-BREAKERS, THREE 100A BREAKERS, AND THREE PAIRS #2 THHN WIRE (RED/BLACK). ALL ALARM CABLES MUST BE CAT6E (BLACK).
14. WATERTIGHT HUB MUST BE INSTALLED ON ANY CONDUIT CONNECTION AT SSC.
15. INSTALL A 3/4" OR 1" FLEX CONDUIT FROM TELCO J-BOX UP TO FSEB/FSEE LOCATION.
16. USE ONLY CAT6E UNRATED CABLE (BLACK) SINCE THIS CABLE WILL BE EXPOSED BETWEEN FLEX CONDUIT INTO FSEB/FSEE GLANDS.
17. USE POWER J-BOX FOR ALL ALARMS CABLE JUNCTION POINT.
18. ALL EXTERNAL ALARMS CABLES MUST BE LABELED INSIDE FSEB/FSEE.
19. INSTALL A #6 THHN GROUND WIRE FROM FSEB/FSEE TO MGB.
20. USE 3/4" FLEX CONDUIT TO PROTECT GROUND WIRE.
21. CSR MUST BE RELOCATED INSIDE SSC CABINET. THIS MAY REQUIRE TO RELOCATE THE UNIT.
22. CSR NEED TWO CIRCUIT BREAKER 10A.
23. INSTALL TWO PAIRS OF WIRES #12-14 TO FEED EACH SIDE ON THE CRS (A-B).
24. INSTALL A #12-14 GROUND WIRE FROM CSR GROUNDING POINT TO SSC MGB.

- NOTES:**
- REPLACE EXISTING LARGE SSC CABINET WITH PROPOSED HPL3 CABINET AND LBS BATTERY CABINET
  - RELOCATE EXISTING CSR INSIDE PROPOSED HPL3 CABINET
  - RELOCATE EXISTING 190A BATTERY STRING IN PROPOSED LBS BATTERY CABINET
  - REPLACE EXISTING FSEB WITH PROPOSED FSEE AND INSTALL INSIDE PROPOSED HPL3 CABINET. FMAB BRACKET WILL BE PROVIDED IN THE BOM.
  - REMOVE (2) EXISTING 1 0 HCS AND COVPs
  - INSTALL (7) PROPOSED 2 0 HCS AND JUNCTION BOXES



**EXISTING EQUIPMENT PLAN**  
SCALE: 1/8" = 1'-0"



**PROPOSED EQUIPMENT PLAN**  
SCALE: 1/8" = 1'-0"

**T-Mobile**  
1 RAVINIA DRIVE  
SUITE 1000  
ATLANTA, GA 30346

**A&E FIRM:**  
**towersource**  
1080 HOLCOMB BRIDGE ROAD  
BUILDING 100, SUITE 350  
ROSWELL, GA 30076  
TEL: 678-990-2338 FAX: 678-990-2342

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PROJECT INFORMATION:  
**9AT2394A**  
1256 BRIARCLIFF ROAD NE  
ATLANTA, GA 30306

DRAWN BY:	MDS
CHECKED BY:	MEW
APPROVED BY:	MEW

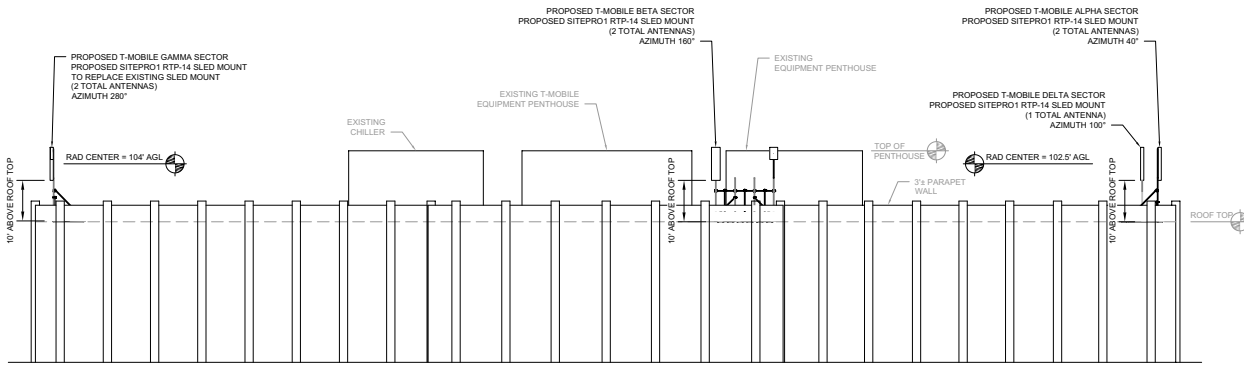
REVISIONS		
REV	DATE	DESCRIPTION
1	04/06/21	ISSUED FOR CONSTRUCTION

GEORGIA  
Professional Seal  
No. PE035127  
PROFESSIONAL  
MATTHEW E. WATKINS  
04/06/21

SHEET TITLE:  
**DETAILED EQUIPMENT PLAN**

SHEET #: <b>C2</b>	REVISION: <b>0</b>
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ALL SECTORS REQUIRE  
10'-0" OF CLEARANCE FROM  
ROOF DECK



**T-Mobile**  
1 RAVINIA DRIVE  
SUITE 1000  
ATLANTA, GA 30346

A&E FIRM:  
**towersource**  
1080 HOLCOMB BRIDGE ROAD  
BUILDING 100, SUITE 350  
ROSWELL, GA 30076  
TEL: 678-990-2338 FAX: 678-990-2342

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**9AT2394A**  
1256 BRIARCLIFF ROAD NE  
ATLANTA, GA 30306

DRAWN BY: MDS  
CHECKED BY: MEW  
APPROVED BY: MEW

REVISIONS		
REV	DATE	DESCRIPTION
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**GEORGIA**  
No. PE035127  
PROFESSIONAL ENGINEER  
**MATTHEW E. WATKINS**  
04/06/21

**BUILDING ELEVATION**  
SCALE: NOT TO SCALE

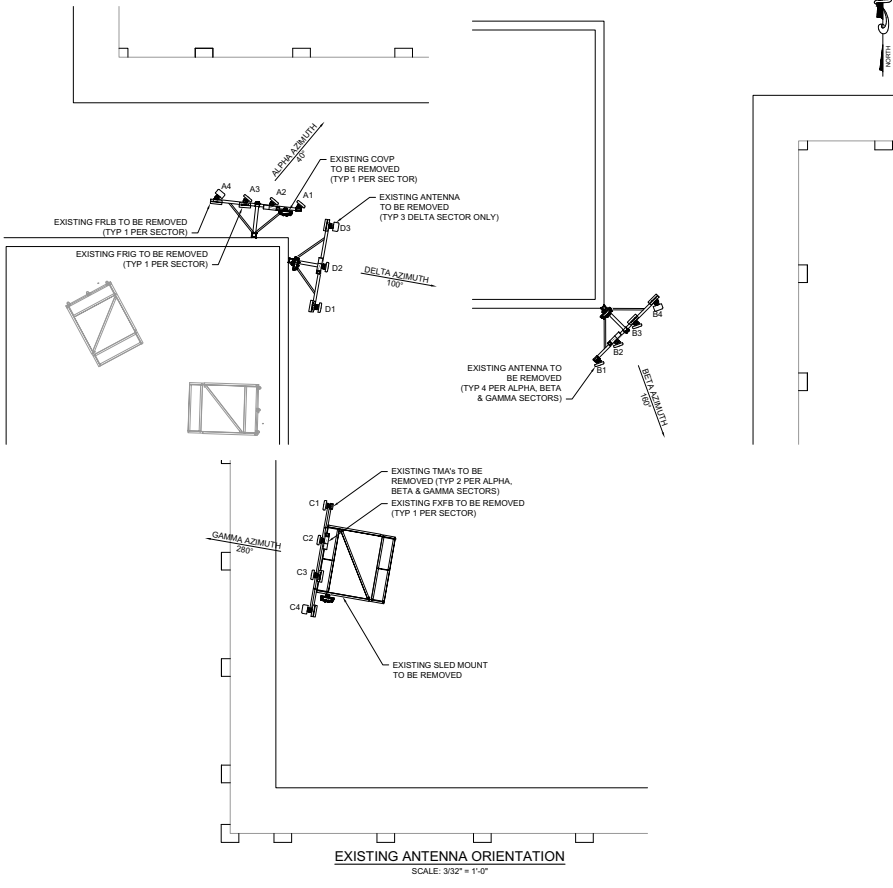
- NOTE:
- REQUIRED ANTENNA HEIGHT MEASURED FROM ROOF DECK TO BOTTOM OF LARGEST ANTENNA.
  - PROPOSED SLED MOUNTS HAVE (4) POSITIONS AVAILABLE. MANDATORY 1'-0" OF SEPARATION REQUIRED FOR PROPOSED ANTENNA.

SHEET TITLE:  
**BUILDING ELEVATION**

SHEET #: **C3**      REVISION: **0**

- NOTES:**
1. ALL INFORMATION ON THIS PAGE IS PROVIDED BY T-MOBILE AND/OR OTHERS AND IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL CONTACT THE T-MOBILE CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION FOR ALL DETAILED ANTENNA, MOUNT, AND COAX CABLE INFORMATION.
  2. RRHS INSTALLED EVENLY AMONGST ANTENNA MOUNT PIPES (SEE RFDS AND STRUCTURAL ANALYSIS FOR EXACT NUMBER OF RRHS AND LOCATION)
  3. CONFIGURATION TO BE CONFIRMED BY OBTAINING THE LATEST RFDS FROM T-MOBILE PRIOR TO BEGINNING CONSTRUCTION.
  4. CONTRACTOR SHALL PERFORM SWEEP TEST AND SUPPLY THE RESULTS TO T-MOBILE AFTER INSTALLATION.
  5. CONTRACTOR SHALL CONFIRM EQUIPMENT CONFIGURATION WITH THE FINAL T-MOBILE RFDS PRIOR TO INSTALLATION.
  6. CONTRACTOR SHALL COLOR CODE EXISTING AND NEW ANTENNA CABLES PER T-MOBILE INSTRUCTIONS.
  7. CONTRACTOR SHALL INSTALL ALL EQUIPMENT ACCORDING TO T-MOBILE INSTALLATION STANDARDS.
  8. MOUNT ANTENNA IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURE.
  9. DETAIL SHOWN FOR MOUNTING PURPOSES ONLY. NOT ALL MEMBERS SHOWN

STRUCTURAL ANALYSIS AND MOUNT ANALYSIS HAS BEEN PERFORMED BY OTHERS. TOWERSOURCE ACCEPTS NO RESPONSIBILITY FOR THE STRUCTURAL CAPACITY OF THE ROOFTOP, MOUNTS OR FOUNDATION(S). CONTRACTOR SHALL COORDINATE WITH AND COMPLY WITH THE PROVISIONS OF THE STRUCTURAL ANALYSIS AND MOUNT ANALYSIS PRIOR TO INSTALLATION OF EQUIPMENT ON THE ROOFTOP.



EXISTING ANTENNA ORIENTATION  
SCALE: 3/32" = 1'-0"

**T-Mobile**  
1 RAVINIA DRIVE  
SUITE 1000  
ATLANTA, GA 30346

**A&E FIRM:**  
**towersource**  
1080 HOLCOMB BRIDGE ROAD  
BUILDING 100, SUITE 350  
ROSWELL, GA 30076  
TEL: 678-990-2338 FAX: 678-990-2342

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PROJECT INFORMATION:  
**9AT2394A**  
1256 BRIARCLIFF ROAD NE  
ATLANTA, GA 30306

DRAWN BY: MDS  
CHECKED BY: MEW  
APPROVED BY: MEW

REVISIONS		
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0	04/06/21	ISSUED FOR CONSTRUCTION

**GEORGIA**  
No. PE035127  
PROFESSIONAL  
ENGINEER  
**MATTHEW E. WATKINS**  
04/06/21

SHEET TITLE:  
**EXISTING ANTENNA MOUNT DETAILS**

SHEET #: **C3.1**      REVISION: **0**



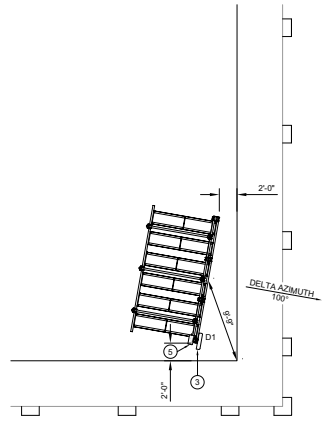
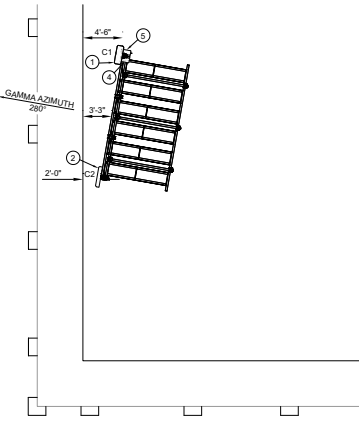
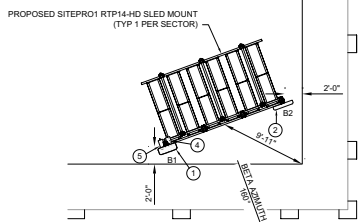
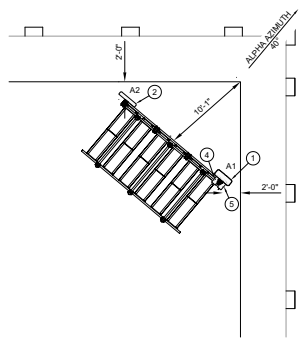
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- RRHS INSTALLED EVENLY AMONGST ANTENNA MOUNT PIPES (SEE RFDS AND STRUCTURAL ANALYSIS FOR EXACT NUMBER OF RRHS AND LOCATION)
- CONFIGURATION TO BE CONFIRMED BY OBTAINING THE LATEST RFDS FROM T-MOBILE PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL PERFORM SWEEP TEST AND SUPPLY THE RESULTS TO T-MOBILE AFTER INSTALLATION.
- CONTRACTOR SHALL CONFIRM EQUIPMENT CONFIGURATION WITH THE FINAL T-MOBILE RFDS PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COLOR CODE EXISTING AND NEW ANTENNA CABLES PER T-MOBILE INSTRUCTIONS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT ACCORDING TO T-MOBILE INSTALLATION STANDARDS.
- MOUNT ANTENNA IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURE.
- DETAIL SHOWN FOR MOUNTING PURPOSES ONLY. NOT ALL MEMBERS SHOWN

**NOTES:**

- REFER TO THE MOUNT STRUCTURAL ANALYSIS BY XXXX DATED XXXXX.
- REFER TO THE STRUCTURAL ANALYSIS REPORT BY XXXX DATED XXX (PROJECT NUMBER: XXXX).
- IF THE TOWER STRUCTURAL ANALYSIS SHOWS NEED FOR TOWER REINFORCEMENT, REFER TO THE TOWER REINFORCEMENT DESIGN PRIOR TO THE INSTALLATION OF PROPOSED EQUIPMENT.
- REFER TO THE TOWER STRUCTURAL ANALYSIS FOR PROPOSED CABLE ROUTING LOCATION DETAILS.
- TOWERS ELEVATION IS NOT DRAWN TO SCALE AND IS INTENDED FOR REFERENCE PURPOSES. REFER TO ORIGINAL TOWER DESIGN FOR ADDITIONAL INFORMATION.

STRUCTURAL ANALYSIS AND MOUNT ANALYSIS HAS BEEN PERFORMED BY OTHERS. TOWERSOURCE ACCEPTS NO RESPONSIBILITY FOR THE STRUCTURAL CAPACITY OF THE ROOFTOP MOUNTS OR FOUNDATION(S). CONTRACTOR SHALL COORDINATE WITH AND COMPLY WITH THE PROVISIONS OF THE STRUCTURAL ANALYSIS AND MOUNT ANALYSIS PRIOR TO INSTALLATION OF EQUIPMENT ON THE ROOFTOP.



**PROPOSED ANTENNA ORIENTATION**  
SCALE: 3/32" = 1'-0"

KEYED NOTES	
1	COMMSCOPE - FFVV-65C-R3-V1
2	NOKIA AEHC
3	ANDREW HBXX-3319DS-A2M
4	JHLGA
5	AHFG



**A&E FIRM:**  
  
 1080 HOLCOMB BRIDGE ROAD  
 BUILDING 100, SUITE 350  
 ROSWELL, GA 30076  
 TEL: 678-990-2338 FAX: 678-990-2342

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**PROJECT INFORMATION:**  
**9AT2394A**  
 1256 BRIARCLIFF ROAD NE  
 ATLANTA, GA 30306

**DRAWN BY:** MDS  
**CHECKED BY:** MEW  
**APPROVED BY:** MEW

REVISIONS		
REV	DATE	DESCRIPTION
1	04/06/21	ISSUED FOR CONSTRUCTION

**SHEET TITLE:**  
 PROPOSED ANTENNA MOUNT DETAILS

**SHEET #:** C3.2 **REVISION:** 0

**T-Mobile**  
 1 RAVINIA DRIVE  
 SUITE 1000  
 ATLANTA, GA 30346

A&E FIRM:  
  
 1080 HOLCOMB BRIDGE ROAD  
 BUILDING 100, SUITE 350  
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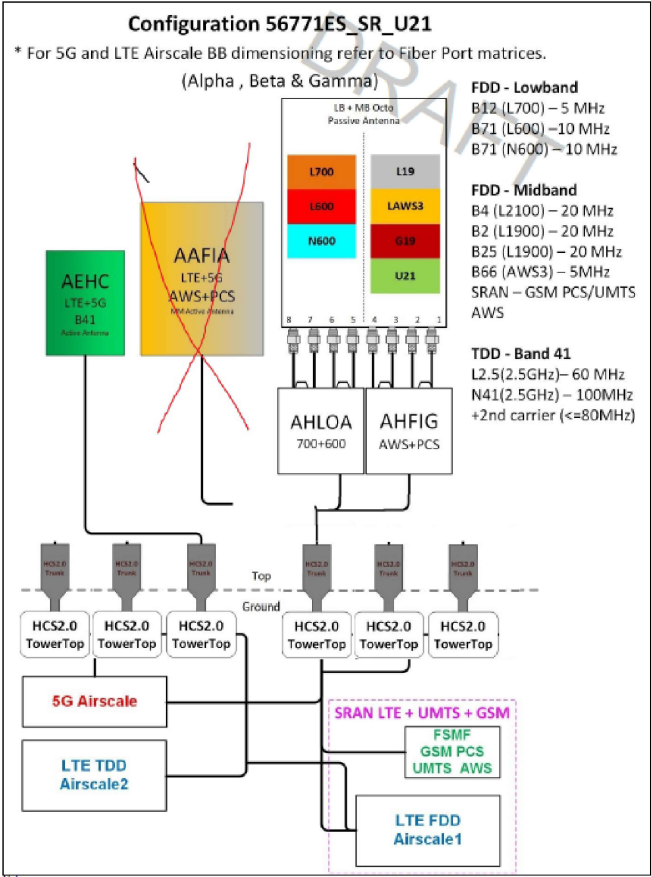


SHEET TITLE:  
**EQUIPMENT SCHEDULE AND LOADING SUMMARY**

SHEET #: **C4**      REVISION: **0**

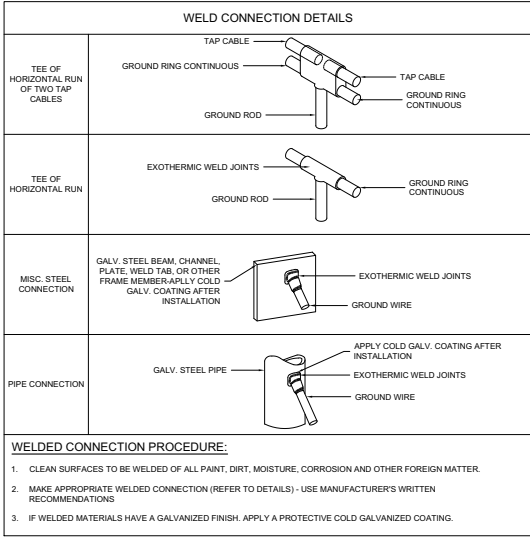
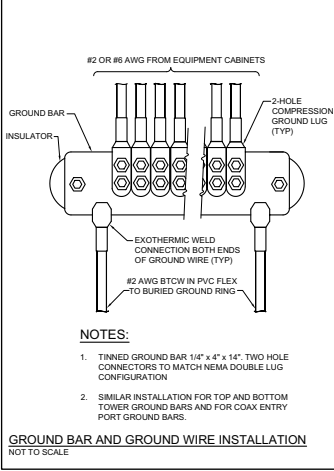
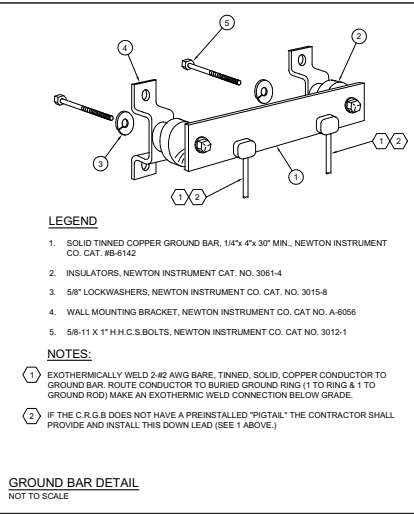
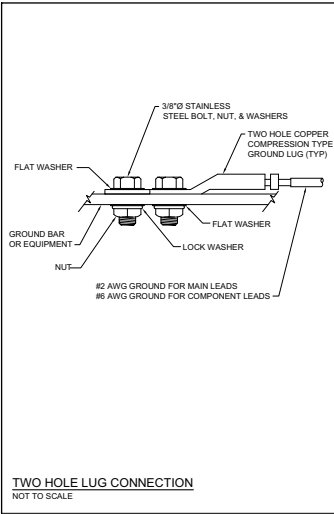
ROOFTOP EQUIPMENT SCHEDULE							
ANTENNA SECTOR	ANTENNA MARK	ANTENNA MAKE/MODEL #	AZIMUTH (0° NORTH)	RAD CENTER	RRH MODEL	TOWER TOP JUNCTION BOX MODEL	ANTENNA CABLE DESCRIPTION
ALPHA	A1	COMMSCOPE FFVV-65C-R3-V1 (OCTO)	40°	104'-0"	(1) PROPOSED AHLOA (1) PROPOSED AHFIG		(2) PROPOSED HCS 2.0 TRUNK - 12#6AWG 24 SM FIBER PR (150 FT.)
	A2	NOKIA AEHC (MASSIVE MIMO)	40°	106'-6"			
BETA	B1	COMMSCOPE FFVV-65C-R3-V1 (OCTO)	160°	104'-0"	(1) PROPOSED AHLOA (1) PROPOSED AHFIG		(2) PROPOSED HCS 2.0 TRUNK - 12#6AWG 24 SM FIBER PR (200 FT.)
	B2	NOKIA AEHC (MASSIVE MIMO)	160°	106'-6"			
GAMMA	C1	COMMSCOPE FFVV-65C-R3-V1 (OCTO)	280°	104'-0"	(1) PROPOSED AHLOA (1) PROPOSED AHFIG		(2) PROPOSED HCS 2.0 TRUNK - 12#6AWG 24 SM FIBER PR (225 FT.)
	C2	NOKIA AEHC (MASSIVE MIMO)	280°	106'-6"			
DELTA	D1	ANDREW HBXX-3319DS-A2M (QUAD)	100°	102'-6"	(1) PROPOSED AHFIG		(1) PROPOSED HCS 2.0 TRUNK - 12#6AWG 24 SM FIBER PR (250 FT.)

ROOFTOP LOADING SUMMARY				
EXISTING QUANTITY	REMOVED QUANTITY	EQUIPMENT TYPE	ADD QUANTITY	TOTAL QUANTITY
15	15	PANEL ANTENNA	7	7
4	4	NSN LOW CAP HCS	0	0
4	4	LARGE COVP	0	0
4	4	FXFB	0	0
4	4	FRLB	0	0
4	4	FRIG	0	0
0	0	AHLOA	3	3
0	0	AHFIG	4	4
6	6	TMA	0	0
14	14	COAX CABLE	0	0
0	0	HCS 2.0 TRUNK - 12#6AWG 24 SM FIBER PR	7	7



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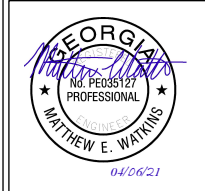


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ATLANTA, GA 30306

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CHECKED BY: MEW  
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SHEET TITLE:  
**ELECTRICAL AND GROUNDING DETAILS**

SHEET #: **E1**      REVISION: **0**