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TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS

PROJECT: T-MOBILE NORTHEAST LLC
PROJECT NO.: 2015-07
PROJECT LOCATION: SECTION 60, BLOCK 3, LOT 35.1
PROJECT REPRESENTATIVE: SNYDER & SNYDER, LLP, Cara Bonomolo
REVIEW DATE: 10 APRIL 2015
MEETING DATE: 16 APRIL 2015

1. County Planning referral is required. MH&E has forwarded required documents to the County for review.
2. Mike Donnelly's comments regarding the Applicant's Representative's cover letter should be received regarding the need for a special permit.

Respectfully submitted,

McGoey, Hauser & Edsall
Consulting Engineers, D.P.C.

Patrick J. Hines
Principal

LAW OFFICES OF
SNYDER & SNYDER, LLP

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TARRYTOWN, NEW YORK 10591

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LESLIE J. SNYDER
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DAVID L. SNYDER
(1956-2012)

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ONE GATEWAY CENTER, SUITE 2600
NEWARK, NEW JERSEY 07102
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FAX (973) 824-9774

REPLY TO:

Tarrytown Office

April 2, 2015

By Overnight Delivery

Honorable Chairman John P. Ewasutyn
and Members of the Planning Board
Town of Newburgh
308 Gardnertown Road
Newburgh, New York 12550

Re: Request for Site Modification
T-Mobile Northeast LLC
7 Meadow Hill Road, Newburgh, NY
Town of Newburgh ("Town")

Hon. Chairman Ewasutyn
and Members of the Planning Board:

We represent T-Mobile Northeast LLC ("T-Mobile") in connection with T-Mobile's Eligible Facilities Request to modify an existing tower ("Existing Tower") that does not substantially change the physical dimensions of such Existing Tower pursuant to Section 6409 (codified as 47 U.S.C.S. § 1455(a)) of the Middle Class Tax Relief and Job Creation Act of 2012 ("Tax Relief Act"), enacted on February 22, 2012 (a copy of which is attached hereto).¹

Specifically, T-Mobile's proposed modification of the Existing Tower will consist of the replacement of three (3) existing panel antennas with three (3) new panel antennas and related equipment on the Existing Tower at the above referenced property. Also, T-Mobile proposes to replace one (1) existing equipment cabinet on the existing concrete pad within the existing equipment compound at the base thereof.

Section 6409 of the Tax Relief Act, states that a local government "may not deny, and shall approve, any eligible facilities request for a modification of an existing wireless tower or base station that does not substantially change the physical dimensions of such tower or base station." It is, therefore, respectfully submitted that T-Mobile's proposed modification is an "eligible facilities request" since the modification will not substantially change the physical dimensions of the Existing Tower. **First**, the proposed modification will not increase the height of

¹ Please also see FCC Order 14-153, adopted October 17, 2014.

the Existing Tower. **Second**, the proposed antennas will not increase the width of the Existing Tower. **Third**, there will be no excavation and the related proposed equipment will be located on the existing concrete pad within the existing equipment compound. **Fourth**, the total number of equipment cabinets will not be increased. **Fifth**, the proposed modification will not defeat any existing concealment elements of the Existing Tower. **Sixth**, the proposed modification does not violate any prior approvals.

Accordingly, we respectfully submit that an amended special permit is not required and the proposed modification should be permitted by building permit. In the alternative, T-Mobile hereby applies for an amended special permit, under protest.

In furtherance of the foregoing, I have enclosed four (4) checks, payable to the Town of Newburgh, in the amounts of \$2,000.00, representing the required application fee, \$7,500.00, representing the required escrow deposit, \$1,000.00, representing the EAF fee and \$150.00, representing the public hearing fee, along with a copy of the following materials:

1. Town of Newburgh Application Form for Subdivision/Site Plan Review;
2. T-Mobile's FCC Licenses;
3. Structural Analysis Report, dated March 28, 2014, prepared by Paul J. Ford and Company;
4. RF Statement from Per Ljungberg, dated March 30, 2015, explaining the need for the proposed modification;²
5. Antenna Site FCC RF Compliance Assessment Report, prepared by Pinnacle Telecom Group, dated March 11, 2015;
6. Short EAF; and
7. Site Plan, prepared by Tectonic Engineering & Surveying Consultants, P.E., last revised March 13, 2015.

To the extent the information required by Chapter 168 of the Town Code is not included in the enclosed materials, we respectfully request a waiver from same in light of the fact that T-Mobile's existing facility was previously approved by this Honorable Board and T-Mobile merely proposes a minor modification to its existing facility. Moreover, as explained above, the proposed modification will not result in a substantial physical change to the Existing Tower and must be approved pursuant to the Tax Relief Act.

² T-Mobile respectfully submits the RF Statement under protest. Pursuant to the Tax Relief Act the Town is preempted from requiring a statement of need for the proposed modification.

If you have any questions please do not hesitate to contact me. Thank you for your consideration.

Respectfully submitted,
SNYDER & SNYDER, LLP

By: 
Cara M. Bonomolo

CMB:jg

Enclosures

cc: Michael Musso (by overnight delivery)
T-Mobile

Y:\WPDATA\SS3\RDG\T-Mobile\Newburgh\NY10029\NY100029 - PB Letter.docx

..T..Mobile..

NORTHEAST LLC.

SITE NAME: NEWBURGH

SITE ID NUMBER: NY10029A

SITE ADDRESS: 7 MEADOW HILL RD.,
NEWBURGH, NY 12550

TECTONIC

- PLANNING
- ENGINEERING
- SURVEYING
- CONSTRUCTION MANAGEMENT

TECTONIC Engineering & Survey Consultants P.C.

1279 ROUTE 300
NEWBURGH, NY 12550
Phone: (845) 567-8858
Fax: (845) 567-8703

..T..Mobile..

T-MOBILE NORTHEAST, LLC.
4 SYLVAN WAY
PARISPPANY, NJ 07054



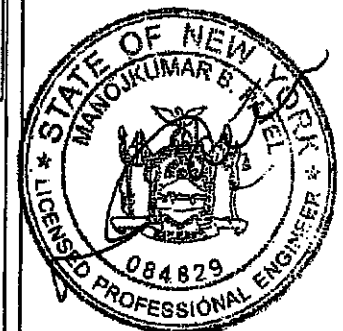
APPROVALS

LANDLORD _____
RF _____
CONSTRUCTION _____
OPERATIONS _____
SITE ACQ. _____

PROJECT NUMBER: 7081.NY10029A
DESIGNED BY: JQ

REV	DATE	REVISION	DRAWN BY
Δ	05/16/14	FOR COMMENT	JT
Δ	05/28/14	FOR CONSTRUCTION	DC
Δ	03/13/15	PER COMMENTS	MP

ISSUED BY: JMQ
DATE: 3/13/15



SITE INFORMATION

NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1

PROJECT SUMMARY

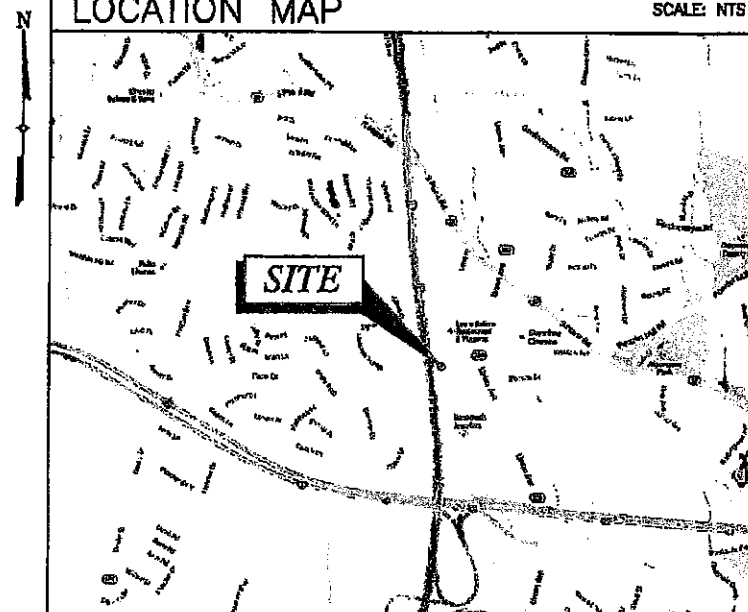
SITE ID NUMBER: NY10029A
SITE NAME: NEWBURGH
CROWN BU#: 878851
SITE ADDRESS: 7 MEADOW HILL RD.,
NEWBURGH, NY 12550
COUNTY: ORANGE
PROPERTY OWNER: CROWN CASTLE USA
APPLICANT: T-MOBILE NORTHEAST, LLC.
4 SYLVAN WAY
PARISPPANY, NJ 07054
ENGINEER: TECTONIC ENGINEERING AND
SURVEYING CONSULTANTS P.C.
1279 ROUTE 300
NEWBURGH, NY 12550
CONTACT: JAMES QUICKSELL
PHONE: (845) 567-6656 EXT. 2835
SITE ACQUISITION: CROWN CASTLE
1200 MACARTHUR BLVD
SUITE 200
MAHWAH, NJ 07430
CONTACT: PETE TISI
PHONE: (201) 491-6009
PARCEL INFO: 60-3-35.1
LATITUDE: (NAD 83) 41.52136° N
LONGITUDE: (NAD 83) 74.07351° W

SITE DIRECTIONS

HEAD NORTHWEST ON SYLVAN WAY. TURN RIGHT ONTO US-202 N/LITTLETON RD. CONTINUE TO FOLLOW LITTLETON RD. SLIGHT RIGHT TO MERGE ONTO I-287 N. ENTERING NEW YORK. KEEP LEFT AT THE FORK, FOLLOW SIGNS FOR I-87 N/NY-17 N/ALBANY AND MERGE ONTO I-87 N/NY-17 N. CONTINUE TO FOLLOW I-87 N. TAKE EXIT 17 FOR NEW YORK 300/NEW YORK 17K. TURN LEFT ONTO UNION AVE. TURN LEFT ONTO MEADOW HILL RD. DESTINATION WILL BE ON THE LEFT.

LOCATION MAP

SCALE: NTS



SHEET INDEX

SHEET NO	DESCRIPTION	REV NO
T-1	TITLE SHEET	2
A-1	SITE PLAN	2
A-2	EQUIPMENT LAYOUT PLANS	2
A-3	ELEVATION & DETAIL	2
A-4	ANTENNA LAYOUT PLANS & DETAILS	2
A-5	DETAILS	2
A-6	DETAILS	2
A-7	NOTES	2
A-8	NOTES	2

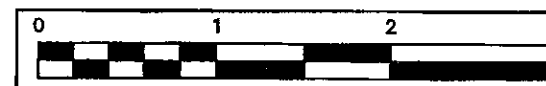
THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL ITEMS HAVE BEEN ADDRESSED AND EACH OF THE DRAWINGS HAS BEEN REVISED AND ISSUED "FOR CONSTRUCTION".



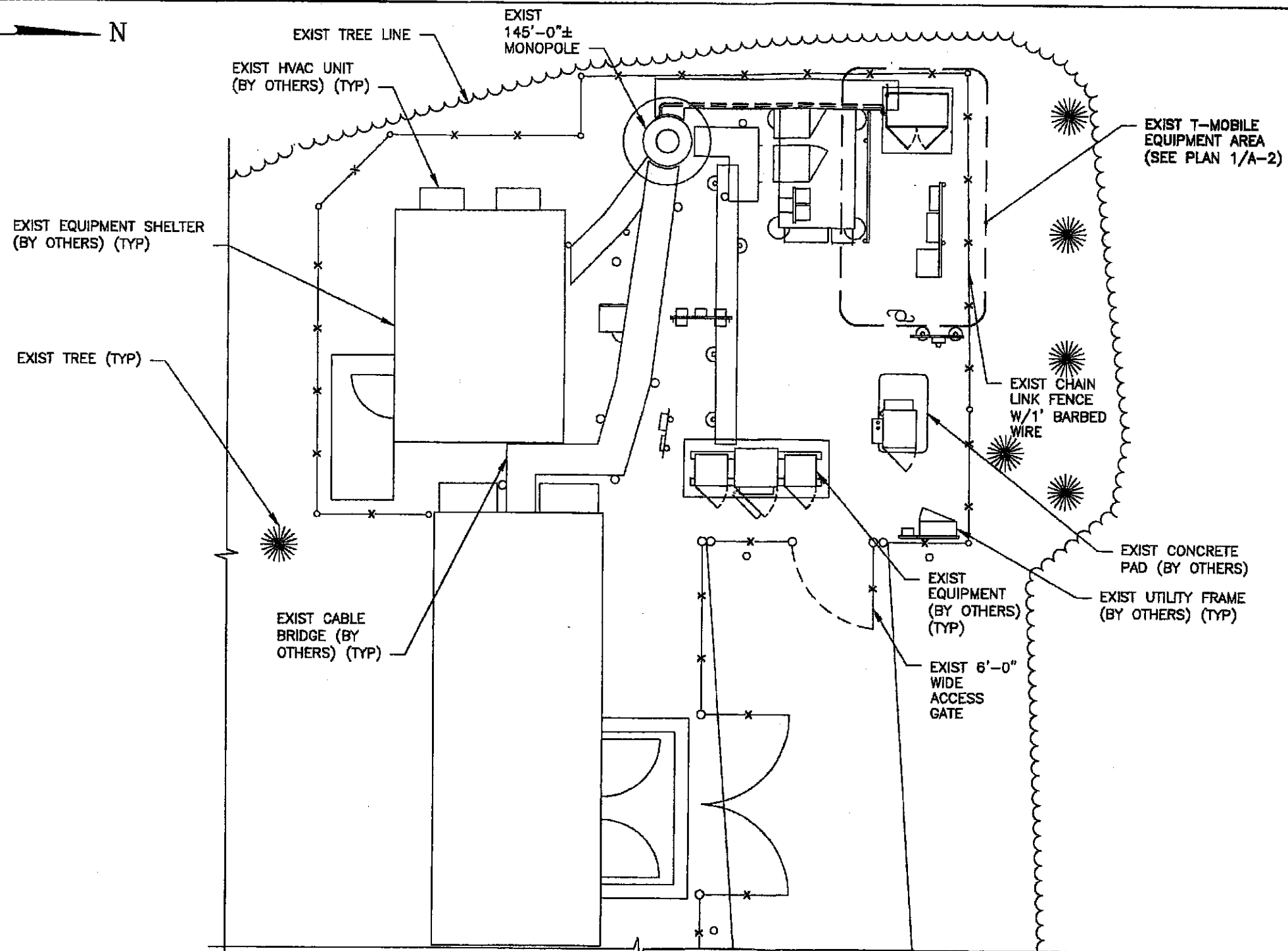
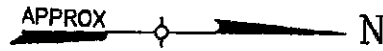
CONFIGURATION

1B

REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



ORIGINAL SIZE IN INCHES



NOTES:

1. CONTRACTOR SHALL FIELD VERIFY THE ADEQUACY TO ROUTE THE HCS 9x18 MLE (FIBER) CABLE ALONG THE EXTERIOR OF THE MONOPOLE PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO MATCH ANTENNA AZIMUTHS AND DOWNTILTS TO EXISTING CONDITION AND NOTIFY RF ENGINEER OF ANY DISCREPANCY.
3. LOCK & TAG BREAKERS FOR ALL EQUIPMENT BEING TURNED OFF (WHEN APPLICABLE).
4. CONTRACTOR TO RE-VERIFY CABLE LENGTHS PRIOR TO CONSTRUCTION.
5. SEE RFDS FOR FINAL EQUIPMENT CONFIGURATION.

1 SITE PLAN
 SCALE: 3/32" = 1'-0"

CONFIGURATION
1B
 REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



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T-Mobile

T-MOBILE NORTHEAST, LLC.
 4 SYLVAN WAY
 PARISSPANY, NJ 07054

CROWN CASTLE

APPROVALS

LANDLORD _____
 RF _____
 CONSTRUCTION _____
 OPERATIONS _____
 SITE ACQ. _____

PROJECT NUMBER _____ DESIGNED BY _____
 7061.NY10029A JQ

REV	DATE	REVISION	DRAWN BY
Δ	05/18/14	FOR COMMENT	JT
Δ	05/28/14	FOR CONSTRUCTION	DC
Δ	03/13/15	PER COMMENTS	MP

ISSUED BY **JMQ** DATE **3/13/15**



SITE INFORMATION

NY10029A
 NEWBURGH
 7 MEADOW HILL RD.,
 NEWBURGH, NY 12550

SHEET TITLE

SITE PLAN

SHEET NUMBER

A-1

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T-Mobile

T-MOBILE NORTHEAST, LLC.
4 SYLVAN WAY
PARISPPANY, NJ 07054



APPROVALS		
LANDLORD		
RF		
CONSTRUCTION		
OPERATIONS		
SITE ACQ.		
PROJECT NUMBER	DESIGNED BY	
7081.NY10029A	JQ	
REV	DATE	REVISION
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Δ	05/28/14	FOR CONSTRUCTION
Δ	05/13/15	PER COMMENTS
		DRAWN BY
		JT
		DC
		MP

ISSUED BY: JMQ DATE: 3/13/15

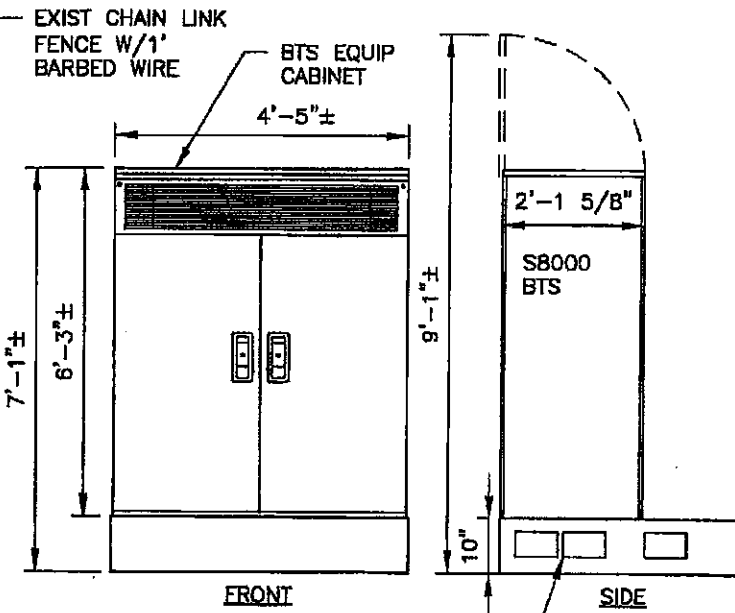


NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE
EQUIPMENT LAYOUT
PLANS

SHEET NUMBER
A-2

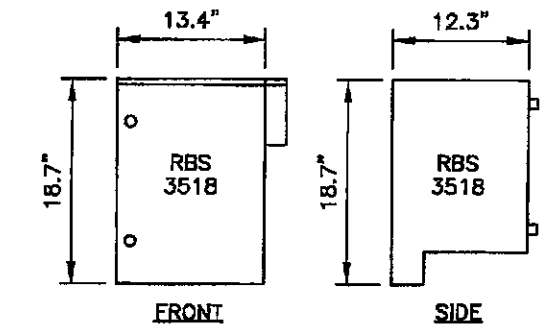
HCS LENGTH			
FROM EQUIPMENT CABINET TO ANTENNA			
SECTOR	ALPHA	BETA	GAMMA
LENGTH	155'±	155'±	155'±
SIZE	1"		
HCS 9x18 MLE			



CABLE ACCESS PANEL (TYP OF 8)
EQUIPMENT TO BE REMOVED

3 EQUIPMENT DETAIL

SCALE: 3/8" = 1'-0"

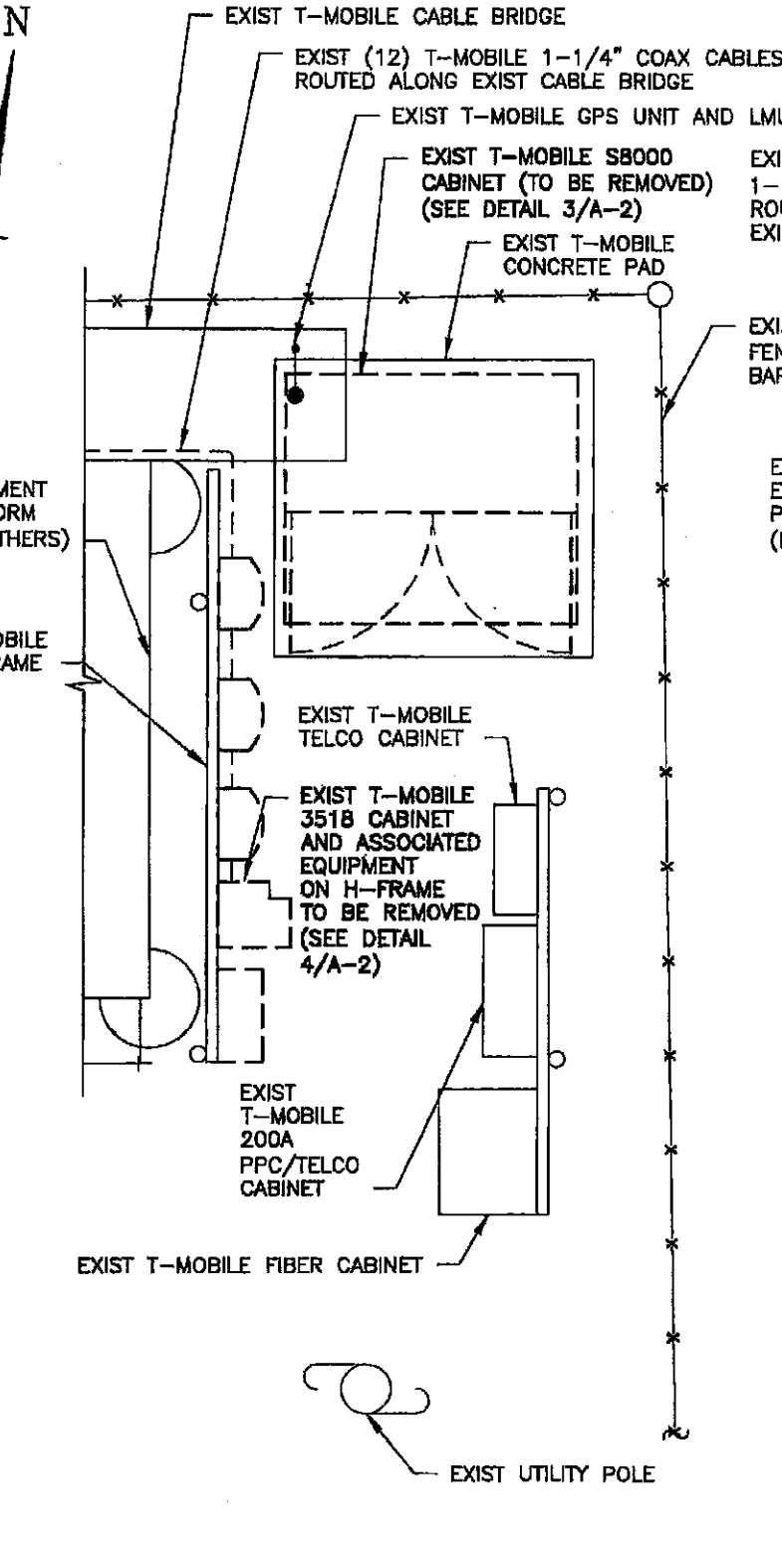


EQUIPMENT TO BE REMOVED

4 EQUIPMENT DETAIL

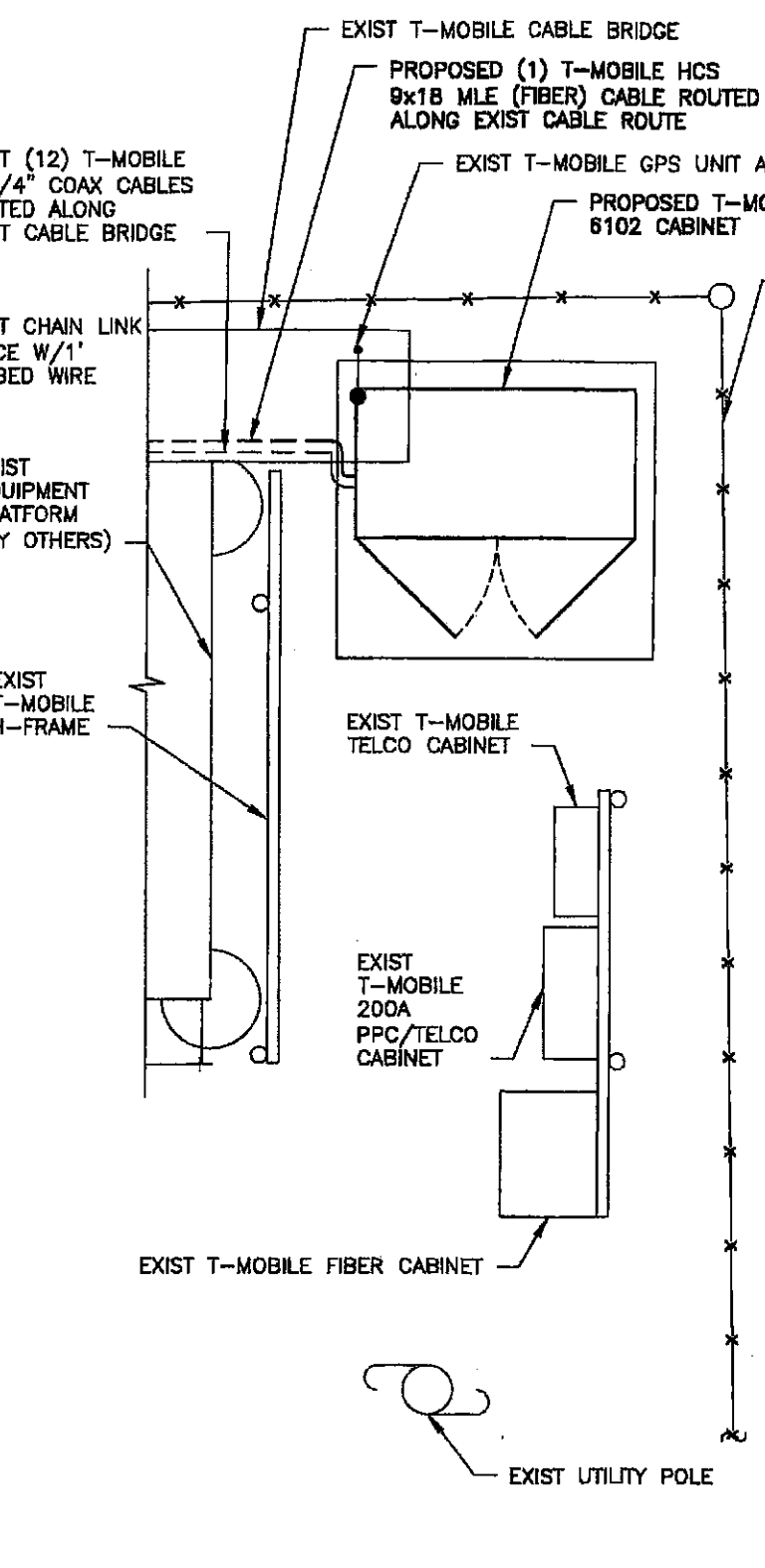
SCALE: 1" = 1'-0"

CONFIGURATION
1B
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



1 EXIST EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"



2 PROPOSED EQUIPMENT PLAN

SCALE: 3/8" = 1'-0"

T/ EXIST
MONOPOLE
145'-0"± AGL

☉ EXIST ANTENNAS (BY OTHERS) (TYP)
148'-0"± AGL

☉ REPLACEMENT T-MOBILE ANTENNAS
(TYP OF 1 PER SECTOR, TOTAL OF 3)
137'-0"± AGL (SEE DETAIL 2/A-3)

☉ EXIST ANTENNAS
(BY OTHERS) (TYP)
127'-0"± AGL

☉ EXIST ANTENNAS
(BY OTHERS) (TYP)
117'-0"± AGL

☉ EXIST ANTENNAS
(BY OTHERS) (TYP)
108'-0"± AGL

☉ EXIST GPS UNIT (BY OTHERS)
81'-0"± AGL

EXIST (6) T-MOBILE 1-1/4"
COAX CABLES ROUTED ALONG
EXTERIOR OF EXIST MONOPOLE
UP TO REPLACEMENT ANTENNAS

EXIST (6) T-MOBILE
1-1/4" COAX CABLES
ROUTED IN INTERIOR
OF MONOPOLE TO
REPLACEMENT ANTENNAS

PROPOSED (1) T-MOBILE
HCS 9x18 MLE (FIBER)
CABLE ROUTED ALONG
EXTERIOR OF MONOPOLE
ALONG EXIST COAX CABLES

EXIST EQUIPMENT
SHELTER
(BY OTHERS) (TYP)

EXIST CHAIN
LINK FENCE
W/1' BARBED WIRE

EXIST GPS UNIT (BY OTHERS)

EXIST CABLE BRIDGE (BY OTHERS) (TYP)

EXIST EQUIPMENT (BY OTHERS) (TYP)

EXIST T-MOBILE CABLE BRIDGE

EXIST T-MOBILE GPS UNIT

PROPOSED T-MOBILE 6102 CABINET
TO REPLACE EXIST S8000 CABINET

EXIST T-MOBILE H-FRAME (TYP)

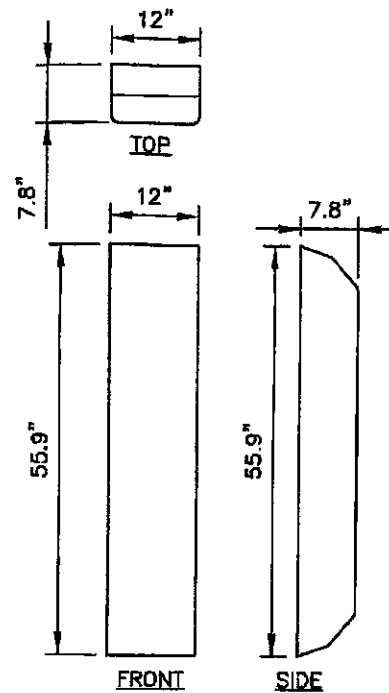
EXIST LANDSCAPING

EXIST GRADE

NOTE: SOME EQUIPMENT NOT SHOWN FOR CLARITY

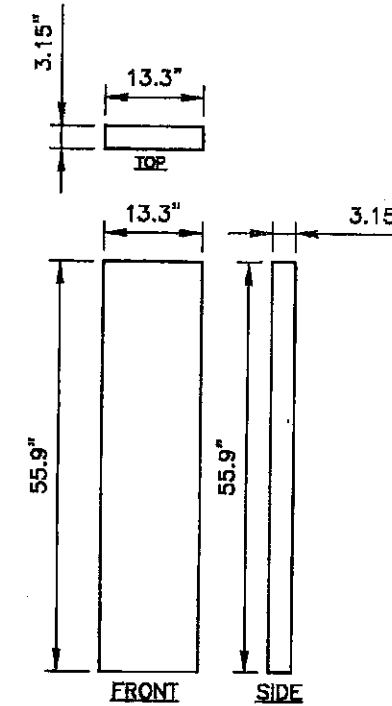
1
A-3
ELEVATION
SCALE: 1/16" = 1'-0"

THE PROPOSED INSTALLATION, EXIST MOUNTS & EXISTING MONOPOLE SHALL BE STRUCTURALLY ANALYZED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK (TO BE COORDINATED BY OTHERS).



AIR 21

ANTENNA TO BE INSTALLED



APX16DWV-16DWV-S-E-A2D

ANTENNA TO BE REMOVED

2
A-3
ANTENNA DETAILS
SCALE: 1/2" = 1'-0"

ELEVATION NOTE:

ELEVATION OF EXIST SELF SUPPORT TOWER HAS BEEN ARBITRARILY ASSIGNED AS EL 510'-0"±. THIS IS APPROXIMATELY 145'-0"± ABOVE GRADE WHICH WAS ESTIMATED AS EL 365'-0"± TAKEN FROM U.S.G.S. QUAD MAP, AND DOES NOT NECESSARILY CORRESPOND TO ACTUAL ELEVATION ABOVE SEA LEVEL. ALL OTHER ELEVATIONS INDICATED WERE DETERMINED ON THIS BASIS.

CONFIGURATION
1B
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



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T-Mobile
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4 SYLVAN WAY
PARISPPANY, NJ 07054

CROWN CASTLE

APPROVALS
LANDLORD _____
RF _____
CONSTRUCTION _____
OPERATIONS _____
SITE ACQ. _____

PROJECT NUMBER 7081.NY10029A DESIGNED BY JQ

REV	DATE	REVISION	DRAWN BY
1	05/16/14	FOR COMMENT	JT
2	05/28/14	FOR CONSTRUCTION	DC
3	03/13/15	PER COMMENTS	MP

ISSUED BY JMQ DATE 3/13/15

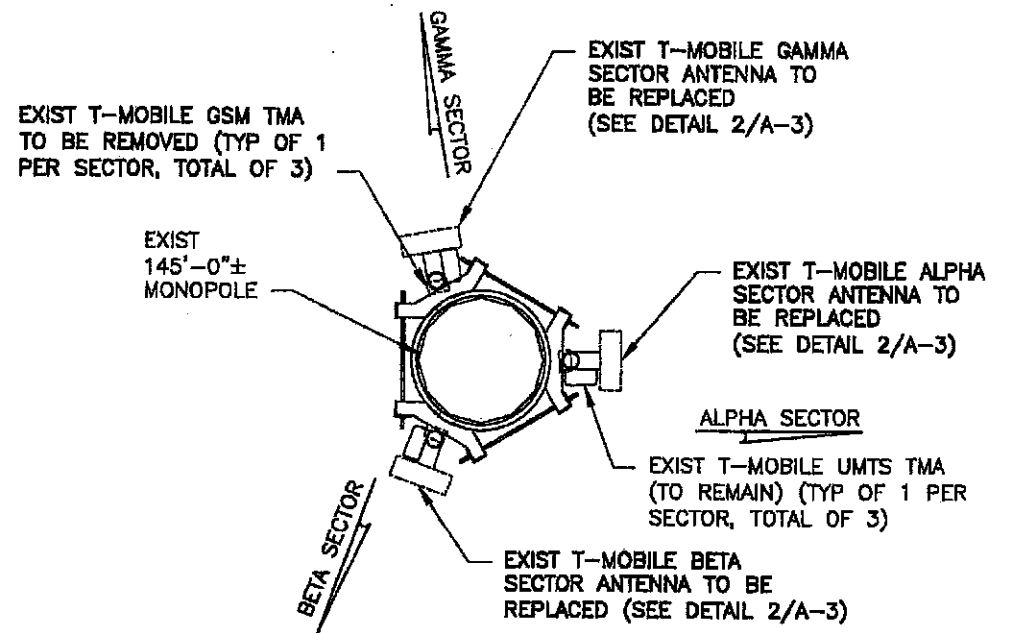


NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

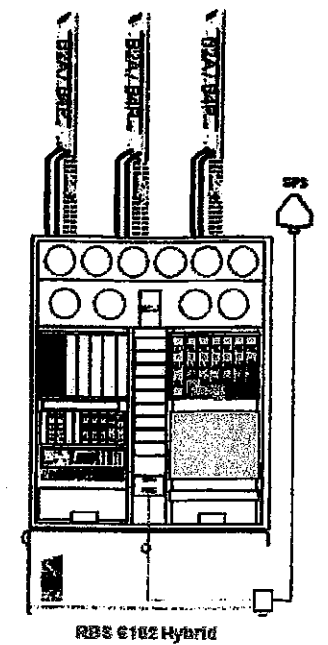
SHEET TITLE
ELEVATION & DETAIL

SHEET NUMBER
A-3

N
APPROX



1
A-4
EXIST ANTENNA PLAN
SCALE: 1/2" = 1'-0"



3
A-3
CONFIG DIAGRAM
SCALE: N.T.S

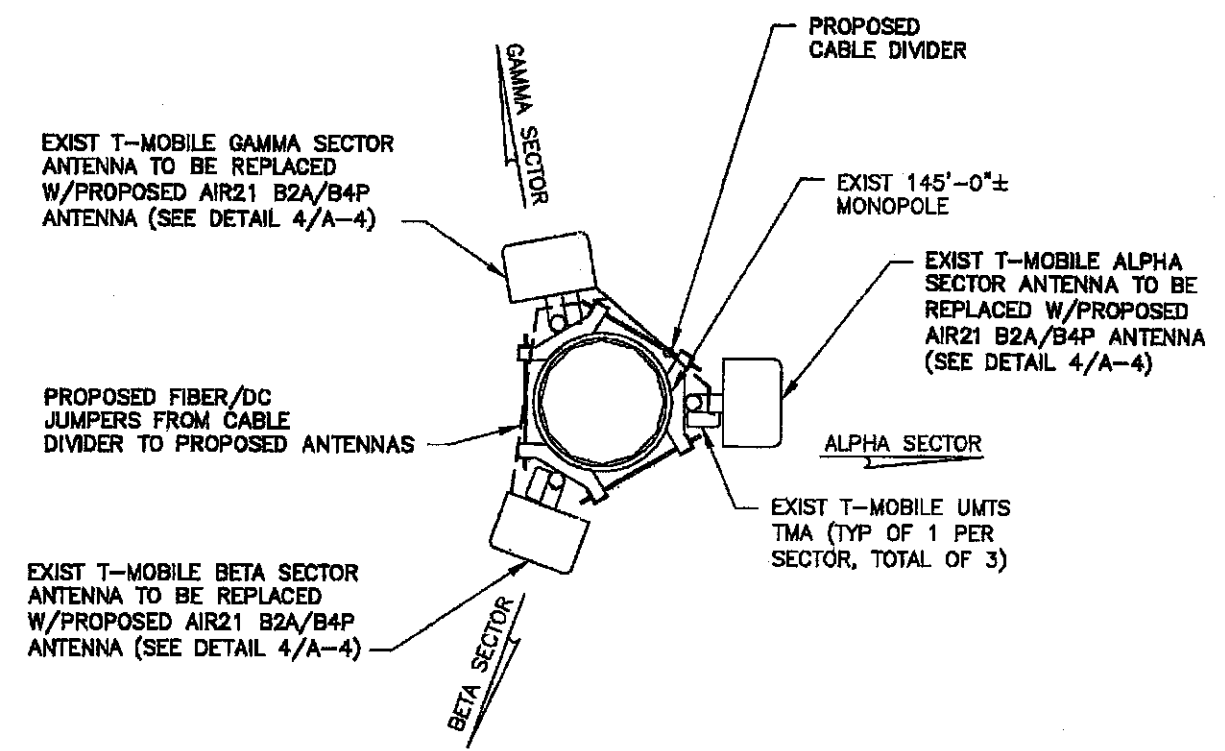
THE PROPOSED INSTALLATION, EXIST MOUNTS & EXISTING MONOPOLE SHALL BE STRUCTURALLY ANALYZED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK (TO BE COORDINATED BY OTHERS).

EXIST ANTENNA SCHEDULE

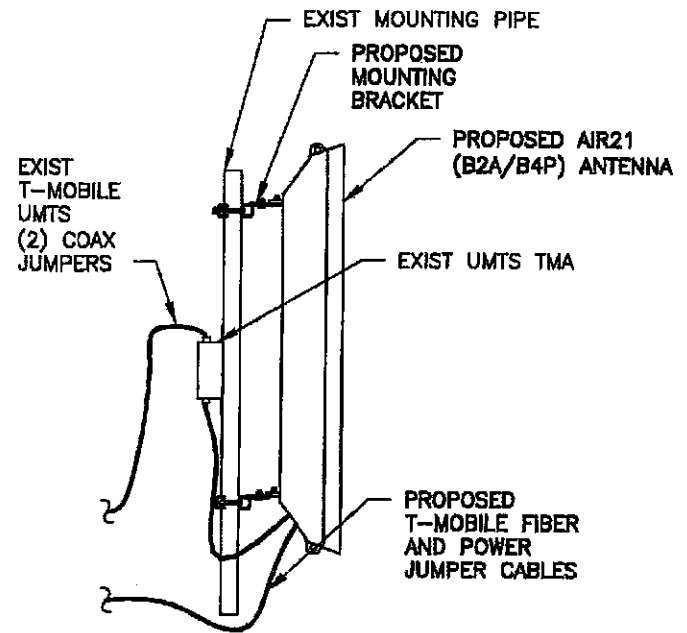
SECTOR	MAKE	QUANTITY	MODEL#	SIZE
ALPHA	RFS	1	APX16DWV-16DWV-S-E-A20	55.9x13.3x3.15
BETA	RFS	1	APX16DWV-16DWV-S-E-A20	55.9x13.3x3.15
GAMMA	RFS	1	APX16DWV-16DWV-S-E-A20	55.9x13.3x3.15

PROPOSED ANTENNA SCHEDULE

SECTOR	MAKE	QUANTITY	MODEL#	SIZE
ALPHA	ERICSSON	1	AIR21 B2A/B4P	12x8x56
BETA	ERICSSON	1	AIR21 B2A/B4P	12x8x56
GAMMA	ERICSSON	1	AIR21 B2A/B4P	12x8x56



2
A-4
PROPOSED ANTENNA PLAN
SCALE: 1/2" = 1'-0"



4
A-4
ANTENNA DETAIL
SCALE: 1/2" = 1'-0"

CONFIGURATION
1B
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



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4 SYLVAN WAY
PARISPPANY, NJ 07054

CROWN CASTLE

APPROVALS

LANDLORD	_____	
RF	_____	
CONSTRUCTION OPERATIONS	_____	
SITE ACQ.	_____	
PROJECT NUMBER	DESIGNED BY	
7081.NY10029A	JQ	
REV DATE	REVISION	DRAWN BY
05/16/14	FOR COMMENT	JT
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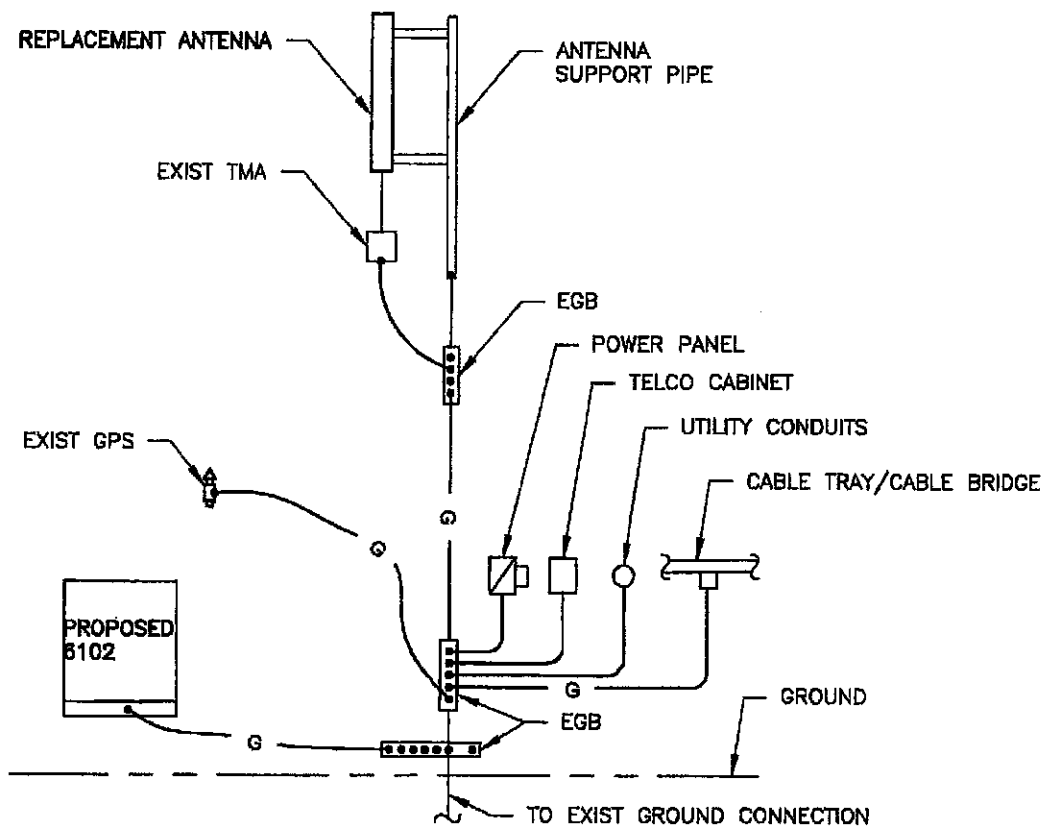
ISSUED BY: **JMG** DATE: **3/13/15**



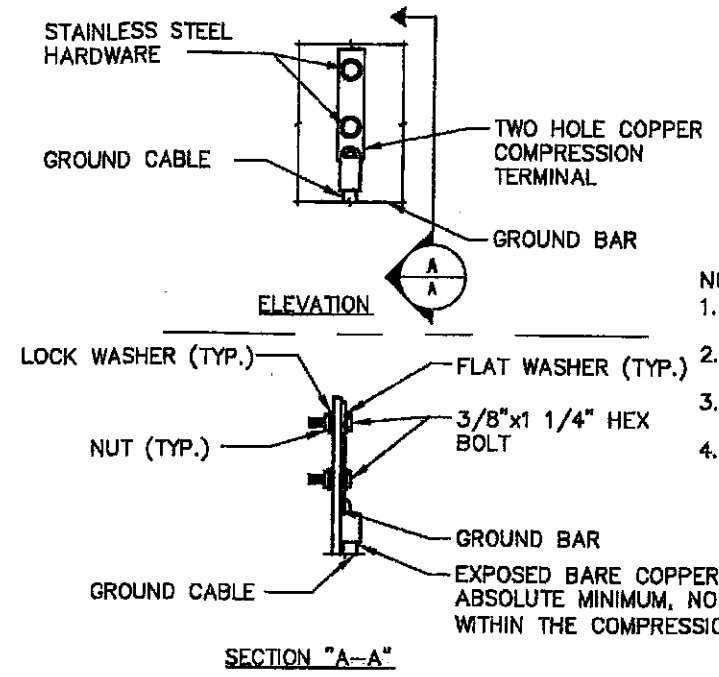
NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE
ANTENNA LAYOUT PLANS & DETAILS

SHEET NUMBER
A-4

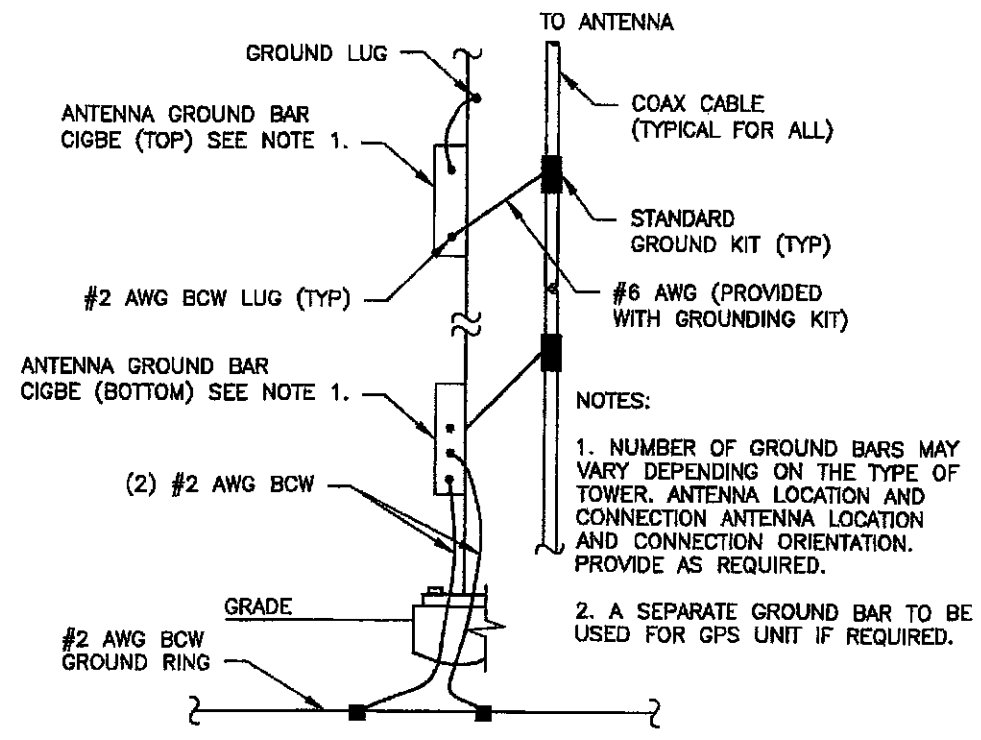


1 **GROUNDING RISER DIAGRAM**
A-5 SCALE: NTS



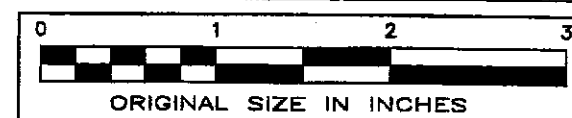
- NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 3. CADWELD DOWNLOADS FROM UPPER EGB, LOWER EGB AND MGB.
 4. ALL GROUND LUGS MUST NE HEAT SHRUNK AT WIRE/LUG CONNECTION.

2 **GROUNDING BAR CONN. DETAIL**
A-5 SCALE: NTS



3 **ANTENNA CABLE GROUNDING**
A-5 SCALE: NTS

CONFIGURATION
1B
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



TECTONIC
• PLANNING • CONSTRUCTION
• ENGINEERING • MANAGEMENT
• SURVEYING

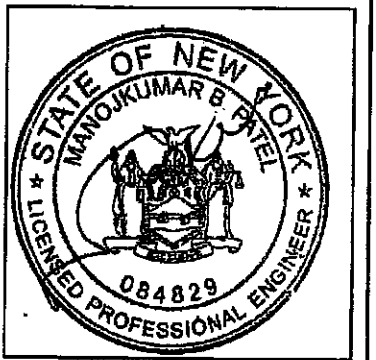
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4 SYLVAN WAY
PARISPFANY, NJ 07054

CROWN CASTLE
APPROVALS

LANDLORD	REVISION	DESIGNED BY
RF	CONSTRUCTION	JQ
OPERATIONS	SITE AGG.	
PROJECT NUMBER	7081.NY10029A	
REV DATE	REVISION	DRAWN BY
05/15/14	FOR COMMENT	JT
05/25/14	FOR CONSTRUCTION	DC
05/13/15	PER COMMENTS	MP

ISSUED BY: JMG DATE: 3/13/15



SITE INFORMATION
NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE
DETAILS

SHEET NUMBER
A-5

GENERAL NOTES

1. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL HE OBTAINS, AT HIS OWN EXPENSE, ALL INSURANCE REQUIRED BY T-MOBILE, THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
2. THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSES OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HAVE BEEN SATISFIED AND EACH OF THE DRAWINGS HAVE BEEN REVISED TO INDICATE "ISSUED FOR PERMIT"
3. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES OR OTHER PUBLIC AUTHORITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
6. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THIS PROJECT IN ACCORDANCE WITH THE OVERALL INTENT OF THESE DRAWINGS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
8. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
9. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
10. POWER TO THE FACILITY IS MONITORED BY AN EXISTING METER.
11. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
12. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
13. IF ANY PIPING EXISTS BENEATH THE SITE AREA, CONTRACTOR MUST LOCATE IT AND CONTACT OWNER'S REPRESENTATIVE.
14. THE CONSTRUCTION CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ALL CONSTRUCTION MEANS AND METHODS. THE CONSTRUCTION CONTRACTOR IS ALSO RESPONSIBLE FOR ALL JOB SITE SAFETY.
15. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES AND EXISTING CONDITIONS AT THE SITE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA AND SUBMIT TO THE ENGINEER ANY DISCREPANCIES FROM THE DRAWINGS.
16. THE CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. THE CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUB-CONTRACTORS AND RELATED PARTIES. THE SUB-CONTRACTOR SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
17. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
18. ALL MATERIAL PROVIDED BY T-MOBILE IS TO BE REVIEWED BY THE CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTORS PRIOR TO INSTALLATION. ANY DEFICIENCIES TO PROVIDE MATERIALS SHALL BE BROUGHT TO THE CONSTRUCTION MANAGER'S ATTENTION IMMEDIATELY.
19. THE MATERIALS INSTALLED SHALL MEET REQUIREMENTS OF CONTRACTORS DOCUMENTS. NO SUBSTITUTIONS ARE ALLOWED.

GENERAL NOTES

20. THE CONTRACTOR SHALL RECEIVE CLARIFICATION AND AUTHORIZATION IN WRITING TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONSTRUCTION DOCUMENTS.
21. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ALL PRODUCTS OR ITEMS NOTED AS "EXISTING" WHICH ARE NOT FOUND TO BE IN THE FIELD.
22. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMEN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST-ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAND PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
23. THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE HIS ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROPERTY OWNER AND/OR PROPERTY MANAGEMENT COMPANY.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO RADIO EQUIPMENT, ANTENNAS AND ANY OTHER PORTIONS OF THE WORK.
25. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OR WHERE LOCAL CODES OR REGULATIONS MAY TAKE PRECEDENCE.
26. THE CONTRACTOR SHALL REPAIR ALL EXISTING SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND WITH ADJACENT SURFACES.
27. THE CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE AND DISPOSE OF ALL DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITIONS AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
28. BEFORE FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT, TEMPORARY WORK, UNUSED AND USELESS MATERIALS, RUBBISH AND TEMPORARY STRUCTURES.
29. CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2010 BUILDING CODE OF NEW YORK STATE.

CONFIGURATION
1B
REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.



TECTONIC

- PLANNING
- CONSTRUCTION MANAGEMENT
- ENGINEERING
- SURVEYING

TECTONIC Engineering & Survey Consultants P.C.

1278 ROUTE 300
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Phone: (845) 567-8659
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T-Mobile

T-MOBILE NORTHEAST, LLC.
4 SYLVAN WAY
PARISSPANY, NJ 07054

CROWN CASTLE

APPROVALS			
LANDLORD	DESIGNED BY		
RF	PROJECT NUMBER		
CONSTRUCTION	7081-NY10029A	JQ	
OPERATIONS			
SITE ACQ.			
REV	DATE	REVISION	DRAWN BY
Δ	05/16/14	FOR COMMENT	JT
Δ	05/28/14	FOR CONSTRUCTION	DC
Δ	03/13/15	PER COMMENTS	MP

ISSUED BY: JMQ DATE: 3/13/15



SITE INFORMATION

NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE

NOTES

SHEET NUMBER

A-7

TECTONIC

- PLANNING
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4 SYLVAN WAY
PARISPPANY, NJ 07054



APPROVALS

LANDLORD _____
RF _____
CONSTRUCTION _____
OPERATIONS _____
SITE ACC. _____

PROJECT NUMBER: 7081.NY10029A DESIGNED BY: JQ

REV	DATE	REVISION	DRAWN BY
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SITE INFORMATION

NY10029A
NEWBURGH
7 MEADOW HILL RD.,
NEWBURGH, NY 12550

SHEET TITLE

NOTES

SHEET NUMBER

A-8

GROUNDING NOTES

1. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.
2. ALL GROUNDING WORK SHALL BE IN ACCORDANCE WITH T-MOBILE STANDARD PRACTICE.
3. ALL BUS CONNECTORS SHALL BE TWO-HOLE, LONG-BARREL TYPE COMPRESSION LUGS, T&B OR EQUAL, UNLESS OTHERWISE NOTED ON DRAWINGS. ALL LUGS SHALL BE ATTACHED TO BUSES USING BOLTS, NUTS, AND LOCK WASHERS. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED.
4. ALL CONNECTORS SHALL BE CRIMPED USING HYDRAULIC CRIMPING TOOLS, T&B #TBM 8 OR EQUIVALENT.
5. ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FILED TO ENSURE PROPER CONTACT. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT APPLIED PRIOR TO INSTALLATION.
6. ALL COPPER BUSES SHALL BE CLEANED, POLISHED, AND A NON-OXIDIZING AGENT APPLIED. NO FINGERPRINTS OR DISCOLORED COPPER WILL BE PERMITTED.
7. ALL BENDS SHALL BE AS SHALLOW AS POSSIBLE, WITH NO TURN SHORTER THAN AN 8-INCH NOMINAL RADIUS.
8. GROUNDING CONDUCTORS SHALL BE SOLID TINNED COPPER AND ANNEALED #2. ALL GROUNDING CONDUCTORS SHALL RUN THROUGH PVC SLEEVES WHEREVER CONDUCTORS RUN THROUGH WALLS, FLOORS, OR CEILINGS. IF CONDUCTORS MUST RUN THROUGH EMT, BOTH ENDS OF CONDUIT SHALL BE GROUNDED. SEAL BOTH ENDS OF CONDUIT WITH SILICONE CAULK.
9. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 10 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
10. ALL ROOF TOP ANTENNA MOUNTS SHALL BE GROUNDED WITH A #2 GROUND WIRE CONNECTED TO THE NEAREST GROUND BUS. ALL CONNECTIONS ARE TO BE CAD-WELDED IF POSSIBLE.
11. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO THE PROJECT MANAGER.
12. GROUNDING CONNECTION TO TRAVEL IN A DOWNWARD DIRECTION.
13. ALL EXPOSED #2 WIRE MUST BE TINN NOT BTW.
14. TECTONIC TAKES NO RESPONSIBILITY OR LIABILITY FOR THE GROUNDING SYSTEM AS SHOWN ON THIS SITE. THIS IS A STANDARD GROUNDING SYSTEM.

CONFIGURATION

1B

REFER TO LATEST T-MOBILE RF DATA SHEET FOR FINAL RF DESIGN & BOM.

