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Also admitted in Massachusetts
and New York

January 4, 2022

Via Electronic Mail

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification
Aces High RV Park and Campground
301 Chesterfield Road, East Lyme, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains an existing wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of a pipe-mounted cannister antenna on the roof of the building, a remote radio head (“RRH”) attached to the façade of the building and associated equipment located inside the building. The cannister antenna is concealed within a faux stovepipe extending to a height of 29 feet above ground level. The facility was approved by the Siting Council in January of 2015 (Petition No. 1127). A copy of the Council’s Petition No. 1127 Staff Report is included in Attachment 1.

Cellco now intends to modify its facility by removing the existing cannister antenna and installing a new model antenna in the same location. Cellco also intends to replace its wall mounted RRH with a new model RRH. A set of project plans showing Cellco’s proposed facility modifications and the new antenna and RRH specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to East Lyme’s Chief Elected Official and Land Use Officer.

Melanie A. Bachman, Esq.

January 4, 2022

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The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the height of the existing antenna. Cellco's new antenna will be installed on the existing pipe mount within the faux stovepipe and extend to an overall height of 28'-8". The RRH will be installed on the façade of the building.

2. The proposed modifications will not involve any change to any of the equipment inside the building and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new antenna will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Cellco's Far Field calculations are included in Attachment 3. The modified facility will not be capable of providing Cellco's 5G wireless service.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached engineer's certification letter, the existing mounts, with certain modifications, and the existing building have adequate capacity to support Cellco's proposed facility modifications. A copy of the engineer's certification letter is included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Melanie A. Bachman, Esq.
January 4, 2022
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Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

Enclosures

Copy to:

Kevin A. Seery, East Lyme First Selectman
Gary Goeschel, II, Director of Planning
East Lyme RF & Resort LLC, Property Owner
Elizabeth Glidden

ATTACHMENT 1

Petition No. 1127: Cellco
301 Chesterfield Road, East Lyme
Staff Report
January 14, 2015

On December 12, 2014, the Connecticut Siting Council (Council) received a petition from Cellco Partnership d/b/a Verizon Wireless for a declaratory ruling that no certificate of environmental compatibility and public need is required for the proposed installation of a small cell telecommunications facility at 301 Chesterfield Road, East Lyme. Cellco is currently experiencing a capacity issue in this area. In an effort to resolve this capacity problem and provide customers with improved wireless services in the area, Cellco proposes to install a small cell facility. Specifically, Cellco would install a single canister-type antenna at the top of a small mast structure attached to the roof of a two-story office and activities building at the Aces High RV Park and Campground. The mast and antenna would extend approximately 4-feet 4-inches above the peak of the roof and would be enclosed by a faux stovepipe made of RF transparent material. Cellco preformed a visual analysis. (See photograph on next page).

Equipment associated with the facility would be located inside the building in a first floor equipment room. Power and telephone service would extend underground, through an existing conduit from an existing garage structure on the property.

The plans have been stamped by a Professional Engineer duly licensed in the State of Connecticut. The maximum worst-case power density would be 1.44 percent of the applicable limit. Cellco also confirmed that no notice is required to the Federal Aviation Administration.

The visual impact of the project is expected to be negligible as the stealth design is intended to look like a flue pipe from the building's heating system. Furthermore, the faux stove pipe would extend less than five feet above the building.

Notice was provided to abutting property owners, the Town of East Lyme, as well as the Town of Waterford (located within 2,500 feet of the project). No comments have been received to date.

Cellco contends that this proposed project would not have a substantial adverse environmental impact.



ATTACHMENT 2



EAST LYME SC 2 - CT NENG_SC_ESNAP

301 CHESTERFIELD RD.
EAST LYME, CT 06333

FUZE PROJECT ID: 16773996
PSLC: 467444



VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

**EAST LYME SC 2 CT -
NENG_SC_ESNAP**
FUZE ID:
16773996
LOCATION CODE:
467444

CONSTRUCTION DRAWINGS		
2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL



Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310



ENGINEER
DEWBERRY ENGINEERS INC.
99 SUMMER ST.
SUITE 700
BOSTON, MA 02110
PHONE # (617) 531-0800
CONTACT: BENJAMIN REVETTE, PE

CONSTRUCTION
VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

COORDINATES*:
LATITUDE: N 41.405478°
LONGITUDE: W 72.224858°
*PER RFDS

GROUND ELEVATION*:
87'±
*PER GOOGLE EARTH

PROJECT INFORMATION

SMART TOOL VENDOR: N/A
PROJECT NUMBER:
VZW LOCATION CODE (PSLC): 467444
FUZE NUMBER: 16773996

CONTRACTOR PMI REQUIREMENTS

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

A.D.A. COMPLIANCE:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

EQUIPMENT TO BE REMOVED:

- EXISTING (1) ANTENNA AND (1) RRH TO BE REMOVED FROM THE EXISTING SITE.

EQUIPMENT TO BE INSTALLED:

- INSTALL (1) NEW ANTENNA AND (1) RRH INSIDE THE EXISTING FENCED AREA.
- INSTALL JUMPERS AS REQUIRED BETWEEN SECTOR OVPS, RRH'S & ANTENNAS.
- CAP AND WEATHERPROOF UNUSED ANTENNA PORTS.
- GROUND EXISTING PIPE MOUNTS PER VERIZON WIRELESS SPECIFICATIONS.

RFDS NOTE:

- SCOPE OF WORK BASED ON ANTENNA REC FOR EAST LYME SC2 CT DATED 09/26/22. VERIFY SCOPE OF WORK WITH FINAL RFDS PRIOR TO CONSTRUCTION.

SCOPE OF WORK

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
GN-1	GENERAL NOTES
C-1	AERIAL MAP & SITE PLAN
C-2	SITE PHOTO & PROPOSED EQUIPMENT PLAN
C-3	ELEVATION
C-4	CONSTRUCTION DETAILS

SHEET INDEX

DRAWN BY: 12/14/2022 MR

REVIEWED BY: OAS

CHECKED BY: BBR

PROJECT NUMBER: 50121487

JOB NUMBER: 50156141

COORDINATES:
N 41.405478°
W 72.224858°

APPROXIMATE ADDRESS:
301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

GENERAL CONSTRUCTION NOTES :

- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, AND COMPLY WITH VERIZON WIRELESS SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT "DIG SAFE" (888-344-7233) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR WILL NOTIFY ENGINEER, VERIZON WIRELESS PROJECT CONSTRUCTION MANAGER, AND LANDLORD IMMEDIATELY.
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- ALL ROOF WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED ROOFING CONTRACTOR IN COORDINATION WITH ANY CONTRACTOR WARRANTING THE ROOF TO ENSURE THAT THE WARRANTY IS MAINTAINED.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH VERIZON WIRELESS WITH THREE AS-BUILT SETS OF DRAWINGS UPON COMPLETION OF WORK.
- ANTENNAS AND CABLES ARE TYPICALLY PROVIDED BY VERIZON WIRELESS. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH PROJECT MANAGER TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED BY VERIZON WIRELESS. ALL ITEMS NOT PROVIDED BY VERIZON WIRELESS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY VERIZON WIRELESS.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR WILL COORDINATE WITH VERIZON WIRELESS PROJECT MANAGER TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY VERIZON WIRELESS. ALL REQUIRED PERMITS NOT OBTAINED BY VERIZON WIRELESS MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
- GENERAL CONTRACTOR SHALL HAVE A LICENSED HVAC CONTRACTOR START THE HVAC UNITS, SYNCHRONIZE THE THERMOSTATS, ADJUST ALL SETTINGS ON EACH UNIT ACCORDING TO VERIZON WIRELESS CONSTRUCTION MANAGER'S SPECIFICATIONS, AND THOROUGHLY TEST AND BALANCE EACH UNIT TO ENSURE PROPER OPERATION PRIOR TO TURNING THE SITE OVER TO OWNER.
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH VERIZON WIRELESS SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- UNLESS OTHERWISE NOTED VERIZON WIRELESS SHALL PROVIDE ALL REQUIRED RF MATERIAL FOR CONTRACTOR TO INSTALL, INCLUDING ANTENNAS, TMA'S, BIAS-T'S, COMBINERS, PDU, DC BLOCKS, SURGE ARRESTORS, GPS ANTENNA, GPS SURGE ARRESTOR, COAXIAL CABLE.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE PROVIDED BY VERIZON WIRELESS FOR INSTALLATION BY CONTRACTOR.
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO VERIZON WIRELESS SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE; SEALING ANY FLOOR, WALL OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POST OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED D FIRE CODE APPROVED MATERIALS.
- REPAIR ANY DAMAGE DURING CONSTRUCTION TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CONSTRUCTION MANAGER AND LANDLORD.
- ALL DISRUPTIVE WORK AND WORK WITHIN TENANT SPACES TO BE COORDINATED WITH BUILDING REPRESENTATIVE.

CODE SPECIFICATIONS:

- ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
2022 CONNECTICUT STATE BUILDING CODE WITH THE FOLLOWING APPLICABLE CODES:
2021 INTERNATIONAL RESIDENTIAL CODE (IRC)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2020 NATIONAL ELECTRICAL CODE (NEC) (NFPA 70)
2021 INTERNATIONAL PLUMBING CODE (IPC)
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.
- ALL STRUCTURAL WORK TO BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, 15TH EDITION (AISC 15TH ED.)
- ALL CONCRETE WORK TO BE DONE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI 301) SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 318) AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- ALL REINFORCING STEEL WORK TO BE DONE IN ACCORDANCE WITH THE (ACI 315) MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH NEC ART. 250.
- GROUNDING CONDUCTORS SHALL BE #8 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR INDOOR USE.
- ALL GROUND CONNECTIONS TO BE BURNDY HYGROND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
- ROUTE GROUNDING CONNECTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NOT BE BENT AT RIGHT ANGLE. ALWAYS MAKE 12" RADIUS BENDS. #8 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
- CONNECTIONS TO GROUNDING BAR SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
- TEST COMPLETED GROUNDING SYSTEM AND RECORD RESISTANCE VALUES FOR PROJECT CLOSE-OUT DOCUMENTATION. GROUND RESISTANCE SHALL NOT EXCEED 5 OHMS.
- GROUNDING CONDUCTORS BETWEEN MGB AND WATERMAIN SHALL BE #2/0. BONDING JUMPERS FROM METALLIC SURFACES SHALL BE #2 MINIMUM. ALL GROUND CONDUCTORS AND BONDING JUMPERS SHALL BE SOFT DRAWN ANNEALED, TINNED, BARE STRANDED COPPER WIRE. COAXIAL CABLES SHALL BE GROUNDED AT A MINIMUM OF TWO LOCATIONS USING VERIZON PROVIDED GROUNDING KITS. EXACT LOCATIONS SHALL BE FINALIZED IN THE FIELD BY THE CONSTRUCTION MANAGER.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL ROLLED SHAPES, PLATES, AND BARS SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS:
ASTM A-992, GRADE 50 ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE.
ASTM A-36 ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
ASTM A-500, GRADE B HSS SECTION (SQUARE, RECTANGULAR, ROUND)
ASTM A-325 TYPE SC OR N ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS.
F1554, GRADE 36 ALL ANCHORS BOLTS, UNLESS NOTED OTHERWISE.
ASTM A-53, GRADE B STEEL PIPE
- ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION. WHERE WELD LENGTH IS NOT INDICATED, USE FULL LENGTH WELD. AT THE COMPLETION OF ALL WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
- BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4" DIA.) SUPPLIED WITH A NUT AND WASHER UNDER TURNED END AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. GALVANIZED ASTM A 307 BOLTS UNLESS NOTED OTHERWISE.
- USE PRECAUTIONS & PROCEDURES PER AWS D1.1 WHEN WELDING GALVANIZED METALS.
- ALL EXISTING BEAM AND COLUMN DIMENSIONS SHALL BE FIELD VERIFY BY CONTRACTOR PRIOR TO FABRICATION. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE SHOWN SHALL BE REPORTED TO DEWBERRY ENGINEER IMMEDIATELY.
- CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.
- ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A123/A123M-00 HOT-DIP GALVANIZED FINISH UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE GALVANIZED AREAS SHALL BE REPAIRED. REPAIR DAMAGED GALVANIZED COATINGS ON GALVANIZED ITEMS WITH GALVANIZED REPAIR PAINT ACCORDING TO ASTM A780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS. PRIOR TO COMPLETION OF WORK, TOUCHUP ALL DAMAGED GALVANIZED STEEL WITH APPROVED COLD ZINC, "GALVANOX", "DRY GALV", "ZINC-IT", OR APPROVED EQUIVALENT, IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCHUP DAMAGED NON GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.
- ALL WELDED COMPONENTS TO BE SHOP WELDED PRIOR TO INSTALLATION. NO WELDING ACTIVITIES IS PERMITTED DURING INSTALLATION OF PROPOSED EQUIPMENTS AND/OR HARDWARE ON SITE.

GENERAL NOTES:

- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR PRIOR TO ALL FABRICATION WITH ALL DISCREPANCIES REPORTED IMMEDIATELY TO THE ENGINEER.
- DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE AND COORDINATE THEIR WORK WITH THE WORK OF OTHERS.
- REPAIR ANY DAMAGE DURING CONSTRUCTION TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED D FIRE CODE APPROVED MATERIALS.
- TURN OVER ALL SALVAGEABLE BUILDING MATERIAL TO BUILDING MANAGER.
- ALL DISRUPTIVE WORK AND WORK WITHIN TENANT SPACES TO BE COORDINATED WITH BUILDING REPRESENTATIVE.
- ALL ROOF PENETRATIONS SHALL BE RESTORED TO MAINTAIN ALL ROOF WARRANTIES AND ENSURE A PERMANENT WATERPROOF SEAL.
- CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE; SEALING ANY FLOOR, WALL OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POSTS OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.

GENERAL ELECTRICAL NOTES:

- SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERIFICATION OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- HEIGHTS SHALL BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANEL BOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.)
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "I" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF THE DIVISION OF INDUSTRIAL SAFETY AND ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU.
- ALL CONDUIT INSTALLED MAY BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CARRY OUT HIS WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES & O.S.H.A.
- CONTRACTOR SHALL SECURE ALL NECESSARY BUILDING PERMITS AND PAY ALL REQUIRED FEES
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONDUIT ONLY (C.O.) SHALL HAVE A PULL WIRE OR ROPE.
- PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
- ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
- USE T-TAP CONNECTIONS ON ALL MULTI-CIRCUITS WITH COMMON NEUTRAL CONDUCTOR FOR LIGHTING FIXTURE.
- ALL BUILDING WIRE #12 TO # 6 SHALL BE STRANDED COPPER TYPE THWN-THHN. CONDUCTORS #4 AND LARGER SHALL BE COPPER TYPE XHHW.
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED AND A MINIMUM OF 25,000 A.I.C. UNLESS OTHERWISE INDICATED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES
- PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, M PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
- LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND, THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- PENETRATIONS IN FIRE RATED WALLS SHALL BE FIRE STOPPED IN ACCORDANCE WITH FIRESTOP DETAILS.
- WIRE AND CABLE CONDUCTORS SHALL BE STRANDED COPPER #12 AWG MINIMUM UNLESS SPECIFICALLY STATED OTHERWISE ON DRAWINGS.
- VERIFY ALL CONDUIT ROUTING W/OWNER REP. & VERIZON WIRELESS C.M. NO OTHER SURFACE MOUNTED CONDUITS WILL BE ALLOWED OTHER THAN IN CHASES AND ABOVE CEILINGS.
- ALL MATERIALS SHALL BE U.L. LISTED.
- CONDUIT:
a. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
b. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL. FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
c. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL HAVE FULL SIZE GROUND WIRE.
d. CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILINGS OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT INDICATED SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ARCHITECT PRIOR TO INSTALLING.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
- COORDINATE THE ELECTRICAL SERVICE WITH BUILDING OWNER.
- GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- ALL WALL AND FLOOR PENETRATIONS SHALL BE FIRE STOPPED WITH FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP BY HILTI OR APPROVED EQUAL. INSTALL PER MANUFACTURERS RECOMMENDATIONS.



VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

EAST LYME SC 2 CT -
NENG_SC_ESNAP
FUZE ID:
16773996
LOCATION CODE:
467444

CONSTRUCTION DRAWINGS

NO.	DATE	DESCRIPTION
2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL



Dewberry Engineers Inc.
98 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.895.3400
FAX: 617.895.3310



DRAWN BY: 12/14/2022 MR

REVIEWED BY: OAS

CHECKED BY: BBR

PROJECT NUMBER: 50121487

JOB NUMBER: 50156141

COORDINATES:

N 41.405478°
W 72.224858°

APPROXIMATE ADDRESS:

301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

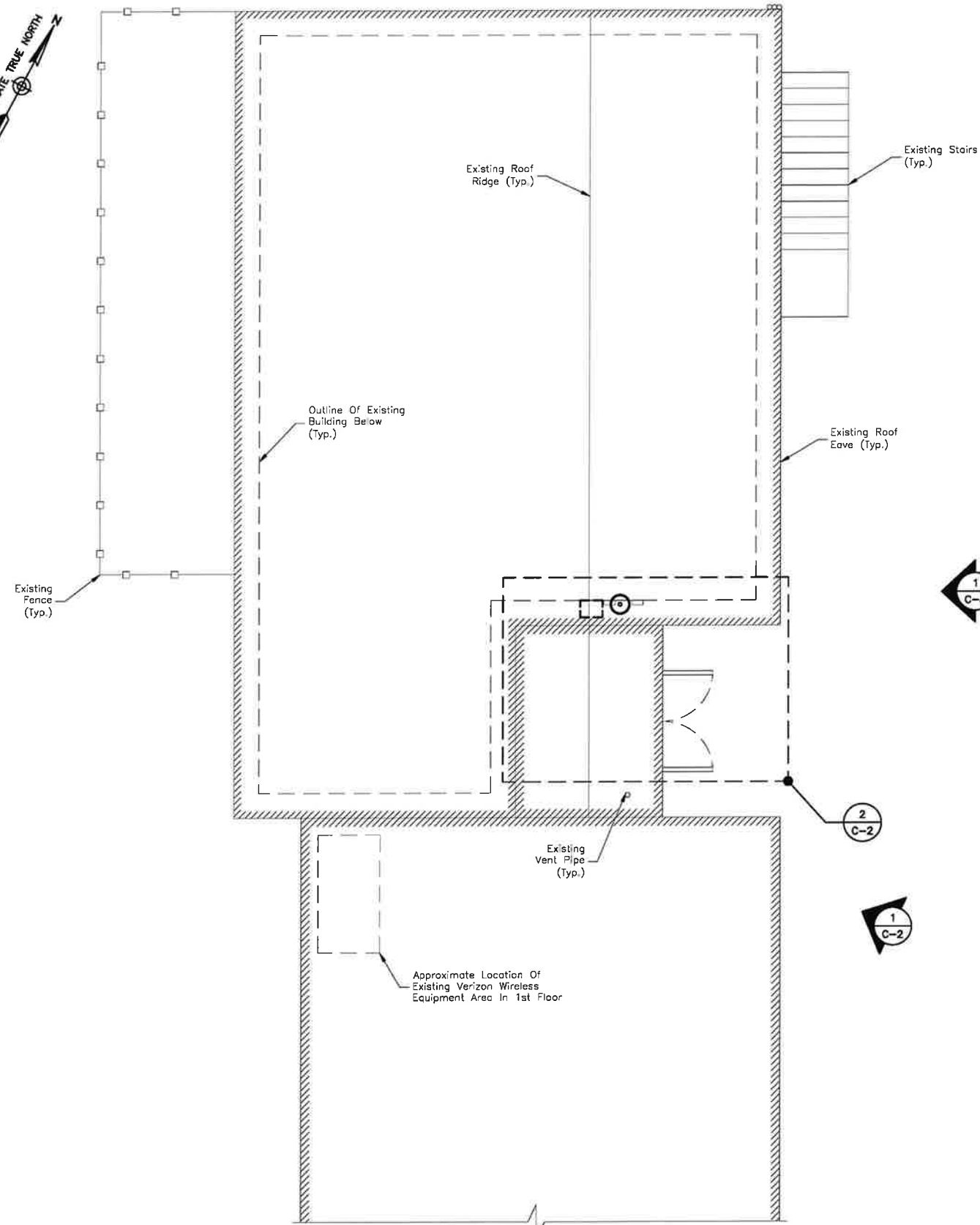
GN-1

APPROXIMATE TRUE NORTH



AERIAL MAP
SCALE: N.T.S. 1

APPROXIMATE TRUE NORTH



SITE PLAN
SCALE: 1/8"=1' FOR 11"x17"
1/4"=1' FOR 22"x34" 2

0' 2' 4' 8'

NOTES:

1. SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
2. NORTH SHOWN AS APPROXIMATE.
3. EXISTING ANTENNAS SHOWN AS APPROXIMATE. ELEVATION BASED ON EXISTING INFORMATION AND VISUAL INSPECTION. DEWBERRY ENGINEERS INC DID NOT PERFORM A FIELD VERIFICATION OF THE BUILDING EXTERIOR. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF BUILDING PRIOR TO CONSTRUCTION.
4. DRAWING PREPARED BASED ON EXISTING DRAWINGS BY DEWBERRY ENGINEERS INC. REV-0 DATED 10/08/16, & SITE VISIT PERFORMED BY DEWBERRY ENGINEERS INC ON 11/04/22.
5. ALL EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS & IN ACCORDANCE WITH STRUCTURAL ANALYSIS BY DEWBERRY ENGINEERS INC. DATED 12/12/22.

verizon
WIRELESS
VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

**EAST LYME SC 2 CT -
NENG_SC_ESNAP**
FUZE ID:
16773996
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CONSTRUCTION DRAWINGS		
2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL

Dewberry
Dewberry Engineers Inc.
96 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310



DRAWN BY: 12/14/2022 MR
REVIEWED BY: OAS
CHECKED BY: BBR
PROJECT NUMBER: 50121487
JOB NUMBER: 50156141

COORDINATES:
N 41.405478°
W 72.224858°
APPROXIMATE ADDRESS:
301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE
**AERIAL MAP &
SITE PLAN**
SHEET NUMBER

C-1



SITE PHOTO 1
SCALE: N.T.S.

FINAL EQUIPMENT CONFIGURATION									
SECTOR	POSITION	TECHNOLOGY	ANTENNA MODEL	VENDOR	RRH (QTY./MODEL)	CENTERLINE (A.G.L.)	AZIMUTH (DEGREES)	ANCILLARY	FEED LINE LENGTH*
ALPHA	A1	700 / 850	(P) NNWSSP-380S-FM	COMMSCOPE	(P) (1) B5/B13 RRH ORAN (RF 4440d-13A)	27.5'±	0°	N/A	15'±

*CONTRACTOR TO FIELD VERIFY HYBRID CABLE LENGTHS PRIOR TO CONSTRUCTION. LENGTH IS ESTIMATED FROM THE RRH UNDER THE EXISTING ROOF EAVE TO ANTENNA WITH 15% BUFFER.

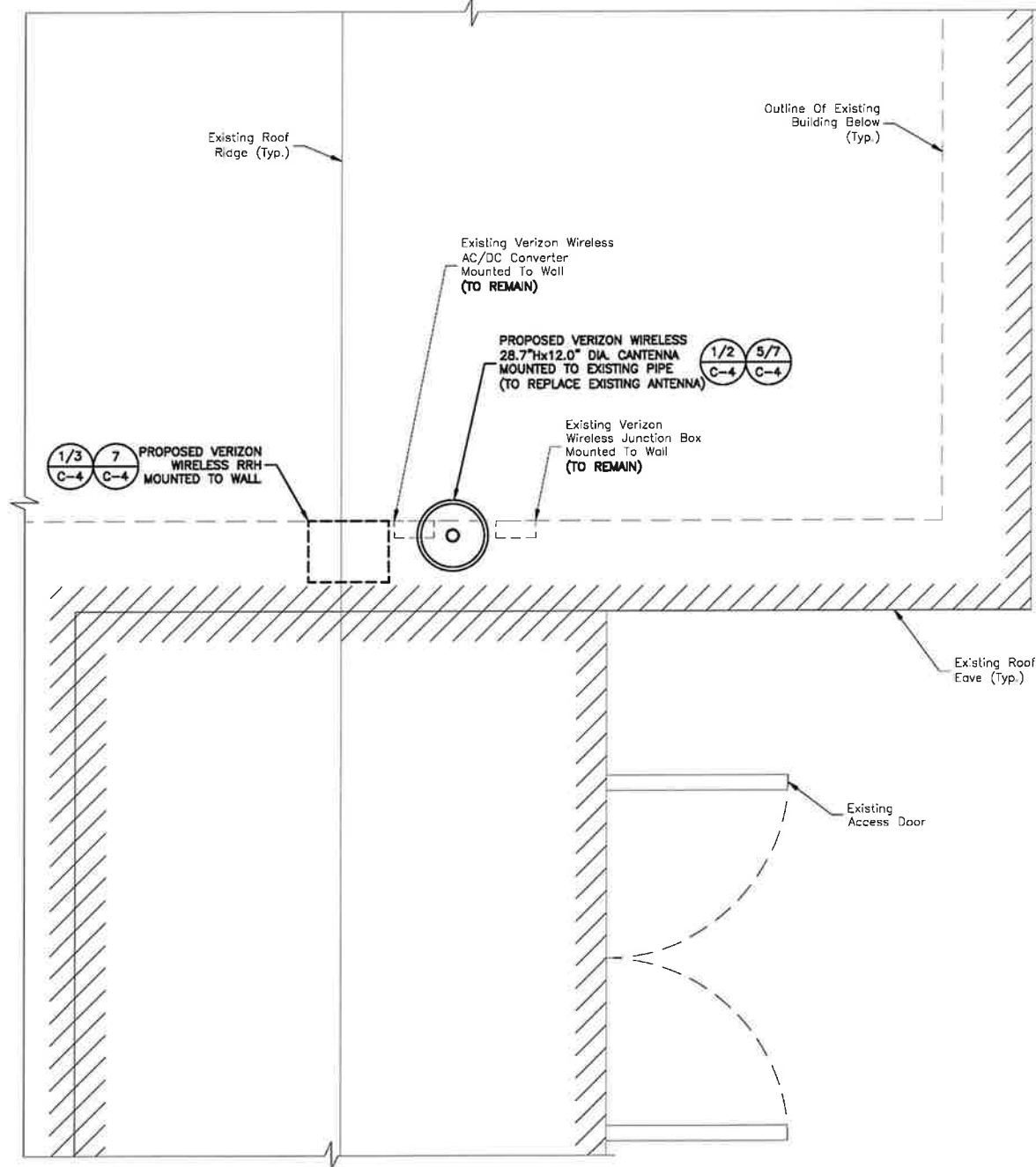
(E) = Existing
(P) = PROPOSED

FINAL EQUIPMENT CONFIGURATION 2
SCALE: N.T.S.



NOTES:

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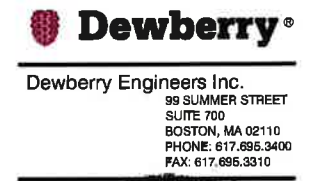


PROPOSED EQUIPMENT PLAN 3
SCALE: 3/8"=1' FOR 11"x17"
3/4"=1' FOR 22"x34"



EAST LYME SC 2 CT - NENG_SC_ESNAP
FUZE ID: 16773996
LOCATION CODE: 467444

CONSTRUCTION DRAWINGS		
2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL



DRAWN BY: 12/14/2022 MR
REVIEWED BY: OAS
CHECKED BY: BBR
PROJECT NUMBER: 50121487
JOB NUMBER: 50156141

COORDINATES:
N 41.405478°
W 72.224858°

APPROXIMATE ADDRESS:
301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE

SITE PHOTO & PROPOSED EQUIPMENT PLAN

SHEET NUMBER

C-2



VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

**EAST LYME SC 2 CT -
NENG_SC_ESNAP**
FUZE ID:
16773996
LOCATION CODE:
467444

CONSTRUCTION DRAWINGS

2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL



Dewberry Engineers Inc.
99 SUMMER STREET
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FAX: 617.696.3310



DRAWN BY: 12/14/2022 MR

REVIEWED BY: OAS

CHECKED BY: BBR

PROJECT NUMBER: 50121487

JOB NUMBER: 50156141

COORDINATES:

N 41.405478°
W 72.224858°

APPROXIMATE ADDRESS:

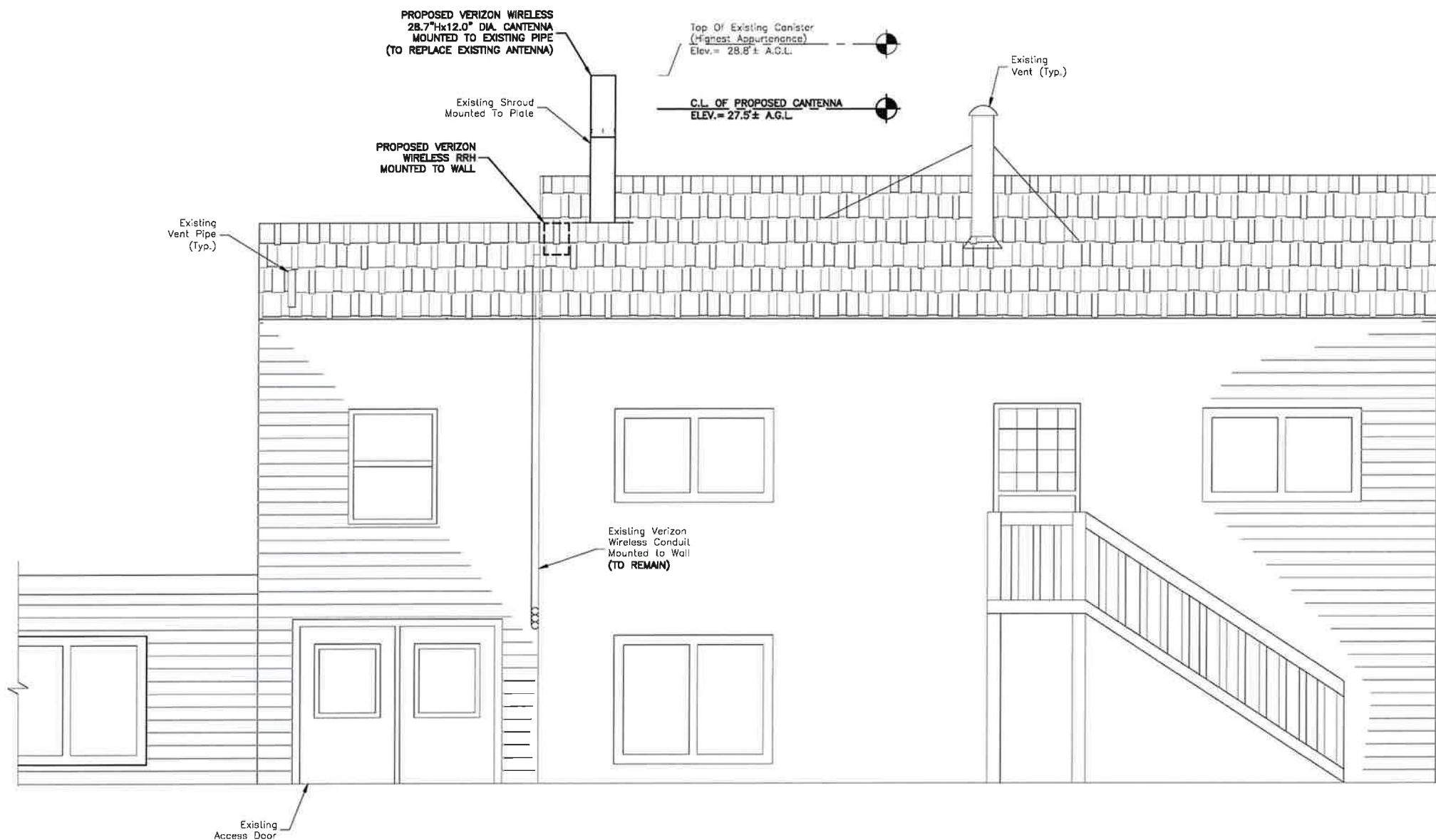
301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE

ELEVATION

SHEET NUMBER

C-3



Top Of Existing Upper Roof Peck
Elev. = 24.7 ± A.G.L.

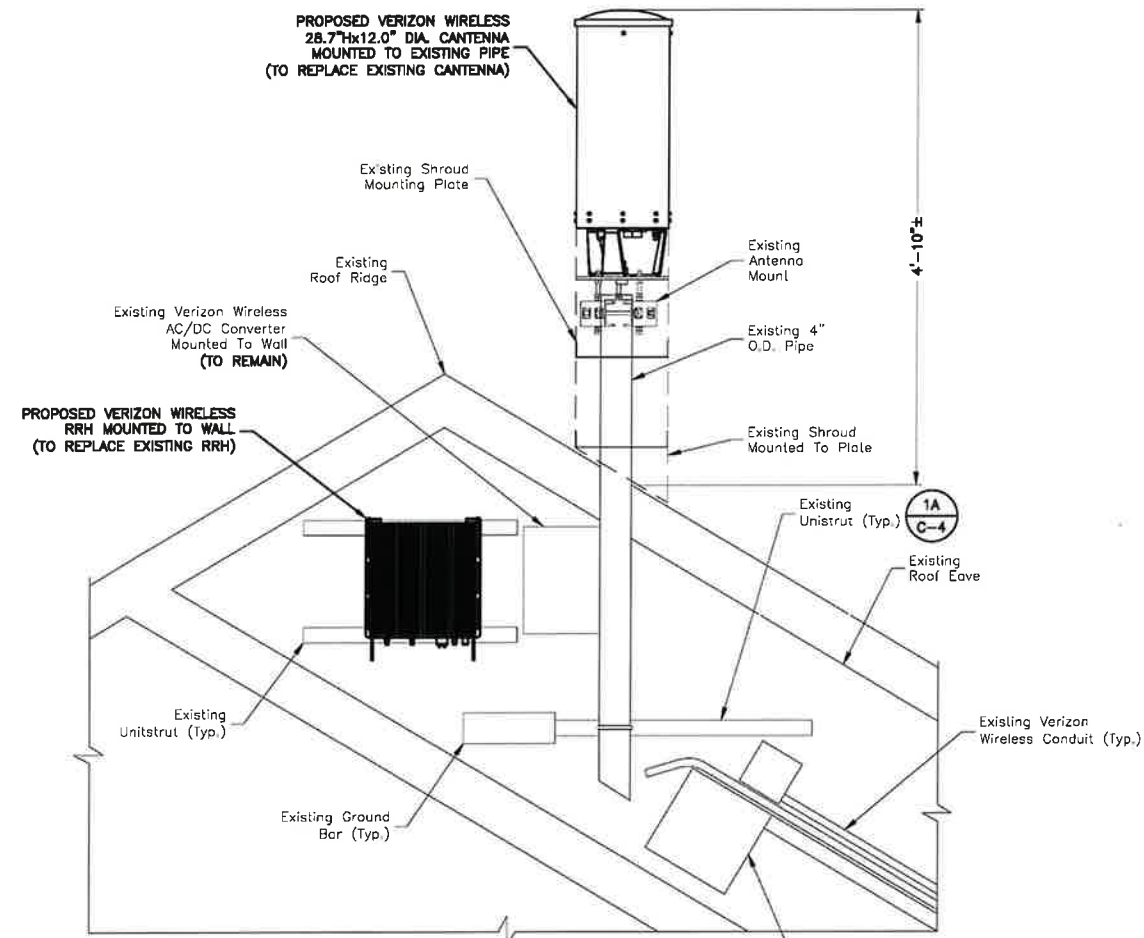
Ground Level
Elev. = 0.0 ± A.G.L.

ELEVATION
SCALE: 3/16"=1' FOR 11"x17"
3/8"=1' FOR 22"x34"

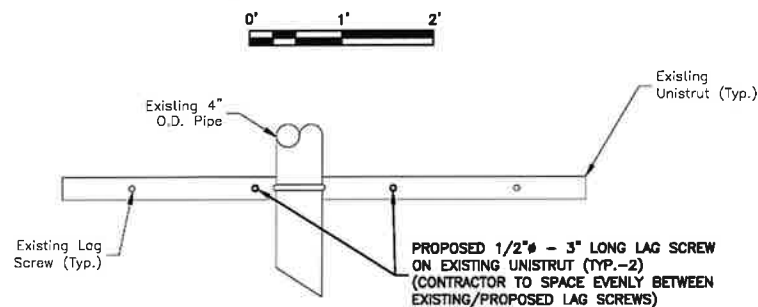


NOTES:

- SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
- ELEVATION SHOWN AS APPROXIMATE.
- EXISTING ANTENNAS SHOWN AS APPROXIMATE. ELEVATION BASED ON EXISTING INFORMATION AND VISUAL INSPECTION. DEWBERRY ENGINEERS INC DID NOT PERFORM A FIELD VERIFICATION OF THE BUILDING EXTERIOR. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF BUILDING PRIOR TO CONSTRUCTION.
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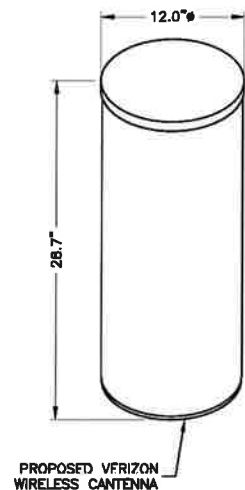
ANTENNA MOUNTING DETAIL 1
SCALE: 1/2"=1' FOR 11"x17"
1"=1' FOR 22"x34"



UNISTRUT DETAIL 1A
SCALE: 3/4"=1' FOR 11"x17"
1 1/2"=1' FOR 22"x34"

- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND. ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE TIN PLATED COPPER WITH TWO-HOLE LUG, SIZE PER COAX DIAMETER.
 - WEATHER SEAL GROUND KIT PER CARRIER REQUIREMENTS.
 - COAX CABLE GROUND KIT LOCATION & QUANTITY SHALL BE PER CARRIER SPECIFICATIONS & STANDARDS.

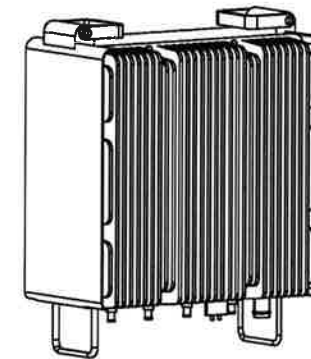
COAX/HYBRID GROUNDING DETAIL 4
SCALE: N.T.S.



CANTENNA DETAIL 2
SCALE: N.T.S.

- ANTENNA NOTES:**
- INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS. USE APPROPRIATE MOUNTING HARDWARE FOR CONSTRUCTION TYPE.
 - RUSTED BOLTS ARE TO BE REMOVED AND REPLACED AS REQUIRED IN KIND.
 - ALL FEEDERS ARE TO BE NEATLY BUNDLED. PROVIDE MOUNTING HARDWARE AS REQUIRED.
 - ALL STEEL TO BE GALVANIZED.
 - CONTRACTOR TO GROUND EXISTING/PROPOSED PIPE MOUNTS WITH GROUNDING LEADS. CONNECT LEADS TO THE SECTOR GROUNDING BAR.
 - WEATHER SEAL AROUND EXTERIOR WALL ATTACHMENT ANGLES WITH SILICONE SEALANT.
 - CONTRACTOR SHALL PROTECT THE FRP SHROUD FROM ABUSE TO PREVENT BREAKAGE, GOUGES, DAMAGE ETC. DURING CONSTRUCTION.

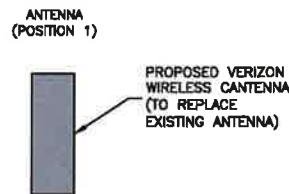
Existing Antenna:	
Model:	NH180QS-DG-F0M
Dimensions:	28.7"H x 12.0"Ø
Weight:	25.3 LBS.
PROPOSED ANTENNA:	
MODEL:	NNVSSP-380S-FM
DIMENSIONS:	28.7"H x 12.0"Ø
WEIGHT:	26.6 LBS.



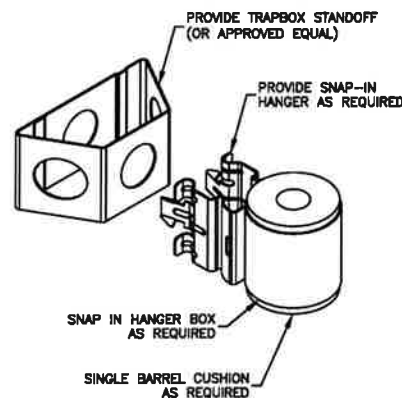
- NOTE:**
- CONTRACTOR TO VERIFY WITH CONSTRUCTION MANAGER FOR FINAL MANUFACTURER SPECIFICATIONS PRIOR TO CONSTRUCTION.

700/850 MHz MACRO RADIO (RF4440d-13A):	
DIMENSIONS:	14.9"±H X 14.9"±W X 9.1"±D
WEIGHT:	70.3± LBS
QUANTITY:	1 TOTAL

RRH DETAIL 3
SCALE: N.T.S.

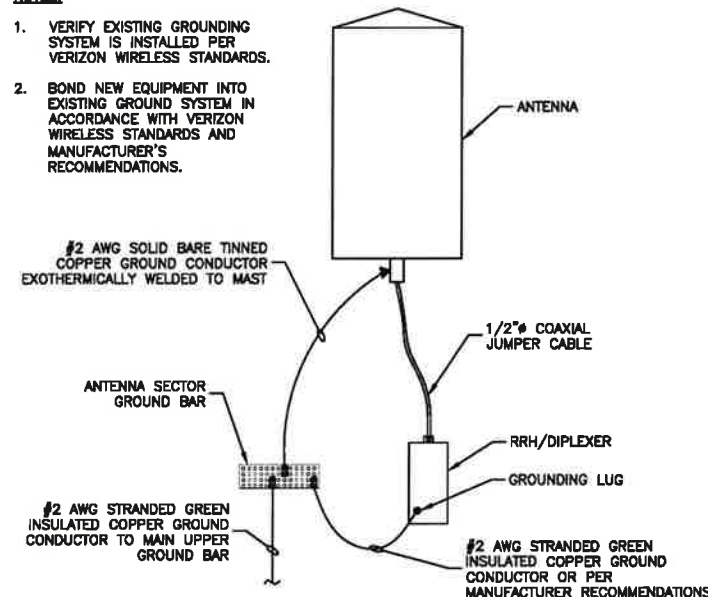


ANTENNA CONFIGURATION 5
SCALE: N.T.S.



JUMPER MOUNT 6
SCALE: N.T.S.

- NOTES:**
- VERIFY EXISTING GROUNDING SYSTEM IS INSTALLED PER VERIZON WIRELESS STANDARDS.
 - BOND NEW EQUIPMENT INTO EXISTING GROUND SYSTEM IN ACCORDANCE WITH VERIZON WIRELESS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.



TYPICAL ANTENNA/RRH GROUNDING DETAIL 7
SCALE: N.T.S.



VERIZON WIRELESS
900 CHELMSFORD STREET
TOWER 2 FLOOR 5
LOWELL, MA 01581

**EAST LYME SC 2 CT -
NENG_SC_ESNAP**
FUZE ID:
16773996
LOCATION CODE:
467444

CONSTRUCTION DRAWINGS		
2	12/14/22	FOR SUBMITTAL
1	12/01/22	FOR SUBMITTAL
0	11/28/22	FOR SUBMITTAL



Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.895.3400
FAX: 617.895.3310



DRAWN BY: 12/14/2022 MR

REVIEWED BY: OAS

CHECKED BY: BBR

PROJECT NUMBER: 50121487

JOB NUMBER: 50156141

COORDINATES:

N 41.405478°
W 72.224858°

APPROXIMATE ADDRESS:

301 CHESTERFIELD RD.
EAST LYME, CT 06333

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

C-4

NNVSSP-360S-FM



14-port quasi-omni antenna, 4x 698–896, 4x 1695–2690, 4x 3400–3800 and 2x 5150–5925 MHz, 360° horizontal beamwidth. Fixed and manual tilt.

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain, dBi	4.8	4.6	6.1	6.6	7.5	5.7	4.0
Beamwidth, Horizontal, degrees	360	360	360	360	360	360	360
Beamwidth, Vertical, degrees	62.3	55.1	19.2	16.9	14.3	38.2	20.9
Beam Tilt, degrees	0	0	5–15	5–15	5–15	0	0
Isolation, Cross Polarization, dB	25	25	25	25	25	25	25
Isolation, Inter-band, dB	25	25	25	25	25	25	25
VSWR Return Loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-150		
Input Power per Port at 50°C, maximum, watts	75	75	75	75	75		
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm	50 ohm

Electrical Specifications, BASTA*

Frequency Band, MHz	698–806	806–896	1695–1920	1920–2180	2300–2690	3400–3800	5150–5925
Gain by all Beam Tilts, average, dBi	4.6	4.3	5.5	6.1	7.0	5.3	3.2
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.4	±1	±0.5	±0.9	±0.8	±0.9
Gain by Beam Tilt, average, dBi			5 ° 5.7 10 ° 5.6 15 ° 5.4	5 ° 6.0 10 ° 6.2 15 ° 6.1	5 ° 7.2 10 ° 7.1 15 ° 6.9		
Beamwidth, Vertical Tolerance, degrees	±12.9	±12.3	±2.4	±1.6	±1.6	±5.5	±5.3

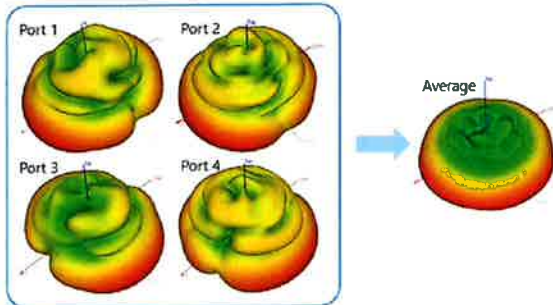
* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

5 GHz Port Power Table

5 GHz FCC Power Requirements				
U-NII Band	U-NII 1	U-NII 2A	U-NII 2C	U-NII 3
Frequency (MHz)	5150 - 5250	5250 - 5350	5470 - 5725	5725 - 5850
Max Input power per port to align with FCC Title 47 Part 15 (Watts)	0.5	0.125	0.125	0.5

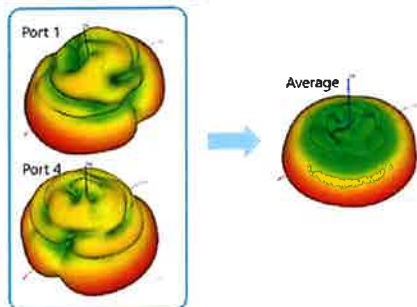
Port Configuration

4X Port Configuration:



- When using a 4T4R radio, use ports 1 – 4 of the pattern diversity antenna

2X Port Configuration:



- When using a 2T2R radio, use ports 1 & 4 of the pattern diversity antenna
- Using ports 2 & 3 yields the same result
- This ensures that both orientations and both polarizations are used
- When using this antenna in 2T2R, then this antenna does not have full polarization diversity

General Specifications

Operating Frequency Band	1695 – 2690 MHz 3400 – 3800 MHz 5150 – 5925 MHz 698 – 896 MHz
Antenna Type	Small Cell
Band	Multiband
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	14
RF Connector Quantity, low band	4
RF Connector Quantity, high band	10

NNVSSP-360S-FM

RF Connector Interface	4.3-10 Female
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum Low loss circuit board
Radome Material	ASA, UV stabilized
Reflector Material	Aluminum
RF Connector Location	Bottom
Wind Loading, frontal	122.0 N @ 150 km/h 31.5 lbf @ 150 km/h
Wind Loading, maximum	122.0 N @ 150 km/h 27.4 lbf @ 150 km/h
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	730.0 mm 28.7 in
Outer Diameter	305.0 mm 12.0 in
Net Weight, without mounting kit	12.1 kg 26.7 lb

Packed Dimensions

Length	1000.0 mm 39.4 in
Width	418.0 mm 16.5 in
Depth	404.0 mm 15.9 in
Shipping Weight	16.7 kg 36.8 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU
ISO 9001:2015
China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption
Designed, manufactured and/or distributed under this quality management system
Above Maximum Concentration Value (MCV)



* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

SAMSUNG

Dual-Band Radio Unit 700/850MHz (B13/B5) RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.



The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

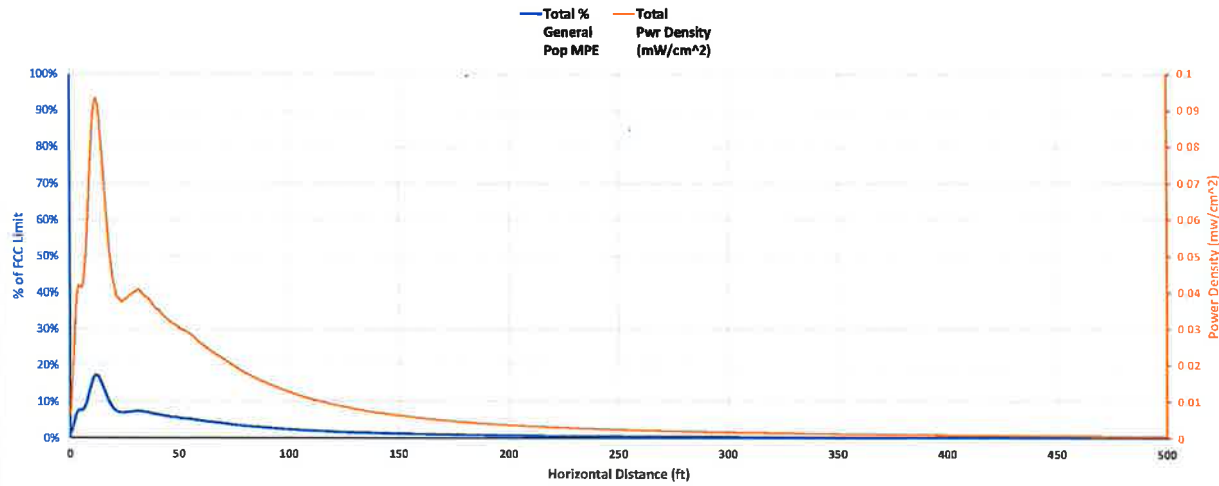
Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

ATTACHMENT 3

Location	EAST LYME SC 2 CT					
Date	11/21/2022					
Band	C-Band	AWS	PCS	850-LTE	850-CDMA	700
Operating Frequency (MHz)	3,700	2,145	1,970	880	869	746
General Population MPE (mW/cm ²)	1	1	1	0.58666667	0.57933333	0.49733333
ERP Per Transmitter (Watts)	0	0	0	56	0	60
Number of Transmitters	0	0	0	4	0	4
Antenna Centerline (feet)	27.5	27.5	27.5	27.5	27.5	27.5
Total ERP (Watts)	0	0	0	225	0	239
Total ERP (dBm)	#N/A	#N/A	#N/A	54	#N/A	54
Maximum % of General Population Limit	17.2%					

RF Exposure 6ft Above Ground Level Far Field Formula (per FCC OET65)



Angle Below Horizon	Power Density (mW/cm ²)						Percent of General Population MPE						Distance	Total Pwr Density (mW/cm ²)	Total % General Pop MPE			
	C-Band	AWS	PCS	850-LTE	850-CDMA	700 MHz	850-LTE	850-CDMA	C-Band	CDMA	AWS	PCS				CDMA	700 MHz	
90	0	0	0	0.003835692	0	0.002186758	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.65%	0.00%	0.44%	0	0.00602245	1.09%
89	0	0	0	0.005416409	0	0.002689481	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.92%	0.00%	0.54%	0.375283896	0.00810589	1.46%
88	0	0	0	0.00782194	0	0.003305761	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.33%	0.00%	0.66%	0.750796544	0.011127701	2.00%
87	0	0	0	0.010780839	0	0.003968346	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.84%	0.00%	0.80%	1.126767255	0.014749185	2.64%
86	0	0	0	0.014511935	0	0.00487172	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.47%	0.00%	0.98%	1.503426457	0.019383655	3.45%
85	0	0	0	0.018643704	0	0.005841026	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.18%	0.00%	1.17%	1.881006266	0.02448473	4.35%
84	0	0	0	0.022339449	0	0.006998894	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.81%	0.00%	1.41%	2.259741058	0.029338342	5.22%
83	0	0	0	0.02554731	0	0.008381121	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.35%	0.00%	1.69%	2.639868059	0.033928431	6.04%
82	0	0	0	0.027883629	0	0.00980181	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.75%	0.00%	1.97%	3.021627946	0.037685439	6.72%
81	0	0	0	0.029045818	0	0.011195424	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.95%	0.00%	2.25%	3.405265467	0.040241242	7.20%
80	0	0	0	0.028876641	0	0.012488309	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.92%	0.00%	2.51%	3.791030085	0.041364949	7.43%
79	0	0	0	0.028037346	0	0.013921751	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.78%	0.00%	2.80%	4.179176646	0.041959097	7.58%
78	0	0	0	0.026585972	0	0.015156869	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.53%	0.00%	3.05%	4.569966076	0.041742841	7.58%
77	0	0	0	0.02519368	0	0.016115678	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.29%	0.00%	3.24%	4.963666109	0.041309358	7.53%
76	0	0	0	0.024414733	0	0.017124147	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.16%	0.00%	3.44%	5.360552061	0.04153888	7.60%
75	0	0	0	0.023644564	0	0.01770034	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.03%	0.00%	3.57%	5.760907637	0.041414598	7.60%
74	0	0	0	0.02452037	0	0.0184857494	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.18%	0.00%	3.79%	6.165025794	0.043377865	7.97%
73	0	0	0	0.025411856	0	0.019543095	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.33%	0.00%	3.93%	6.573209651	0.044954951	8.26%
72	0	0	0	0.027558552	0	0.020711586	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.70%	0.00%	4.16%	6.985773469	0.048270139	8.86%

ATTACHMENT 4



Dewberry Engineers Inc. | 617.695.3400
99 Summer Street, Suite 700 | 617.695.3310 fax
Boston, MA 02110-1200 | www.dewberry.com

December 12, 2022

Andrew Leone
Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

Re: East Lyme SC2 CT (Rev 1)
PSLC #: 467444
Fuze #: 16773996
301 Chesterfield Road
East Lyme, CT 06333

Dear Mr. Leone:

Verizon Wireless has proposed to replace (1) antenna and (1) RRH with (1) new NNVSSP-360S-FM antenna and (1) new B5/B13 RRH on the rooftop at the above referenced site. The proposed antenna will be mounted within (1) existing FRP canister that is façade mounted to the existing structure. The proposed RRH will be mounted on existing unistrut members mounted on the existing structure.

Dewberry Engineers Inc. (Dewberry) has reviewed the antenna design sheets (dated 09/26/22) provided by Verizon Wireless and has determined that the existing mounts, with the proposed modifications, and existing building have adequate capacity to support the proposed equipment configuration. The maximum utilization of a single structural member is 64.5%. Dewberry assumes that the new antenna and associated equipment are installed per the latest Construction Drawings by Dewberry.

This assessment is based on our visual inspection that the existing mount and building are in good condition and were constructed in conformance with all applicable state and local building codes. If, during construction, any damage, deterioration, and/or discrepancies are noticed, Dewberry is to be notified to assess any deviation from the assumed condition. Any alteration in equipment loading described above and on the associated plans will void any conclusions expressed herein and will require further analysis and design. No structural qualification is made or implied by this structural letter for existing structural members not supporting the proposed installation.

If you have any questions, please do not hesitate to call me at 617-531-0800.

Sincerely,
Dewberry Engineers Inc.



12/14/2022

Benjamin Revette, P.E.
Associate Vice President
CT License No.: 28971



Structural Analysis Summary Sheet

Job No.: 50121487/50156141 **By:** CY **Date:** 12/9/22
Job Name: East Lyme SC2 CT **Checked:** BGK **Date:** 12/10/22

Location: 301 Chesterfield Road, East Lyme, CT 06333
Client: VZW

Scope of Work:

- Proposed replacement of (1) antenna and (1) RRH with (1) new NNVVSSP-360S-FM antenna and (1) new B5/B13 RRH

Codes / Standards / References:

- IBC 2021
- 2022 CT State Building Code
- TIA-222-H
- ASCE 7-16
- NDS 2015
- AISC 15th Ed.
- RFDS dated 09/26/22
- Previous structural analysis by Dewberry Engineers on 09/03/15
- Site visit by Dewberry Engineers on 11/4/22
- Latest Construction Drawings by Dewberry Engineers

Design & Analysis Assumptions:

- Design and analysis are based on dead and wind loads. The analysis checks for normal bending and shear stresses.
- Analysis assumes equipment are installed per latest Construction Drawings by Dewberry Engineers.
- The previous new site build structural analysis by Dewberry Engineers (dated 09/03/15) does not match the as-built conditions as documented by the site visit by Dewberry Engineers on 11/4/22, therefore:
 - Analysis assumes existing FRP canister dimensions are 12" dia. x 58" H x 0.25" thick.
 - Analysis assumes (2) 3/8" dia. lag screws were used for the mast pipe to existing structure connection.

Conclusion / Recommendations:

- The existing structure has sufficient capacity to support the proposed installation.
- The existing mount has sufficient capacity to support the proposed installation.
- Dewberry Engineer recommends installing (2) additional 1/2" dia. lag screws onto existing unistrut connecting the mast pipe to the existing structure. Contractor to evenly space proposed lag screws on unistrut. Please see latest Construction Drawings by Dewberry Engineers for more details.
- Due to the negligible weight and dimension change in the proposed RRH and existing RRH, the existing RRH unistrut passes by inspection.



Job Number 50156141
 Made by: CY
 Date: 12/9/22
 Checked by: BGK
 Date: 12/9/22
 V1.0

(East Lyme SC2 CT - Rev 1) - Design Wind Load

\\bos-fs\DE\TelecomEV\Projects\VZW\50121487-NE\50156141 - East Lyme SC2 CT ESNAP\EnglStruct\Rev 1\Calcs\Rooftop Mount SA

Wind Load Design Criteria

Site Name: East Lyme SC2 CT - Rev 1

General Information & Design Input from ASCE 7-16

Item	Value	Description	Reference
V =	130.00	Design Wind Speed (mph)	2022 CT State Building Code
K _d =	0.95	Wind Directionality Factor	Table 26.6-1
Risk Cat.	II	Risk Category	Table 1.5-1
I =	1.00	Importance Factor (Without Ice)	Table 1.5-2
z = h =	26.00	ft. (A.G.L.)	Max. Center of Appurtenance
Exp. Cat.	C	Exposure Category	Sect. 26.7.3
Z _e =	900.00	Terrain Exposure Constant	Table 26.9-1
α =	9.50	Terrain Exposure Constant	Table 26.9-2
K _z =	0.95	Velocity Pressure Coefficient	Table 29.3-1
Topo. Cat.	1	Topographic Feature	Sect. 26.8.1
e =	2.72	Natural Logarithmic base	
γ =	N/A	Height attenuation Factor	
L _h =	N/A	Distace upwind of crest	
H =	N/A	ft. Height of crest above surrounding terrain	
K ₁ =	N/A	Topographic Multiplier	Figure 26.8-1
K ₂ =	N/A	Topographic Multiplier	Figure 26.8-1
K ₃ =	N/A	Topographic Multiplier	Figure 26.8-1
K _{zt} =	1.00	$= (1+K_1K_2K_3)^2$	Sect. 26.8.2
G =	0.85	Gust Effect Factor	Sect. 26.9.1
q _{z design} =	39.2 psf	$= 0.00256(K_z)(K_{zt})(K_d)(V^2)$	Sect.29.3.2

Design Wind Forces:

Section 29.5

$$F_A = q_{z \text{ design}} G C_f A_f$$
 (see calculation tables on following pages)

(where A_f = (EPA)_A = effective projected area of the appurtenance)



Job Number 50156141

Made by: CY

Date: 12/9/22

Checked by: BGK

Date: 12/9/22

(East Lyme SC2 CT - Rev 1) - Design Wind Load

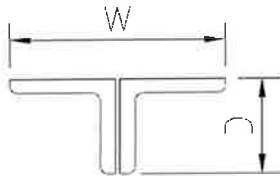
\\bos-fs\DEI\TelecomEV\Projects\VZW\50121487-NE\50156141 - East Lyme SC2 CT ESNAP\Eng\Struct\Rev 1\Calcs\Roof\Top Mount SA Loading STAAD XX-X: V1.0

Element Definition

Description	Dimensions (in.)			Weight (lb)	Length / # Supports	
	W	D	H			
FRP canister	12.00	12.00	58.00	40.00	1.00	
NNVSSP-360S-FM	12.00	12.00	28.74	41.70	1.00	
STRUCTURAL MEMBERS						
(Mounting Pipe)	4" OD pipe	4.00	4.00	12.00	STAAD Pipe	(See Note 2)

Note:

1) For Double Angles assume the following:



2) For mounting pipes that **do not** support equipment or portions which are not shielded by equipment, create an additional entry below.

Job No 50156141	Sheet No 1	Rev 0
Part		
Ref		
By CY	Date 11/18/2022	Chd BGK
File East Lyme SC2 CT.STD	Date/Time 09-Dec-2022 17:39	

Job Title **East Lyme SC2 CT**

Client **VZW**

Job Information

	Engineer	Checked	Approved
Name:	CY	BGK	
Date:	11/18/2022	11/22/2022	

Project ID	
Project Name	

Structure Type | SPACE FRAME

Number of Nodes	6	Highest Node	6
Number of Elements	5	Highest Beam	5

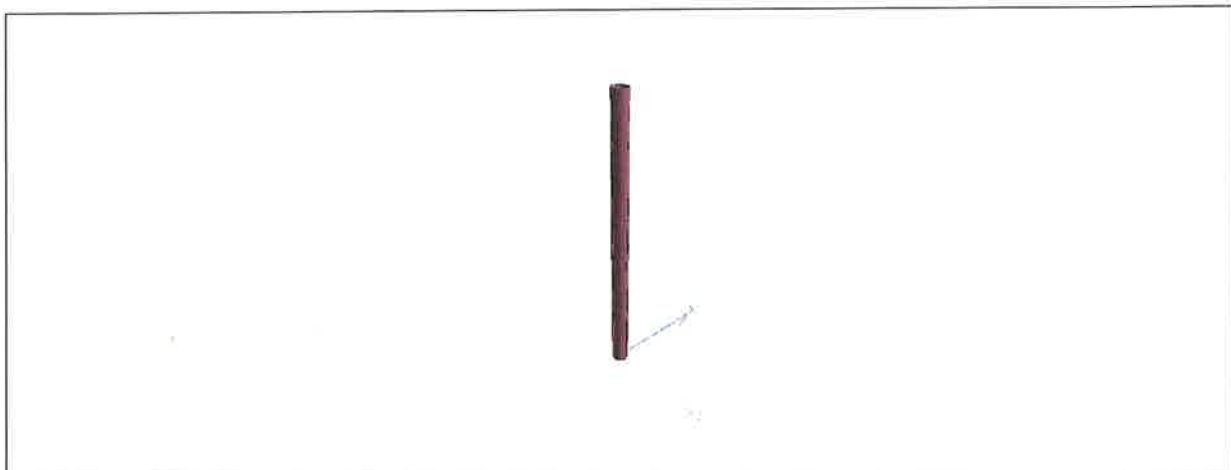
Number of Basic Load Cases	3
Number of Combination Load Cases	4

Included in this printout are data for:

All	The Whole Structure
------------	---------------------

Included in this printout are results for load cases:

Type	L/C	Name
Primary	1	DEAD LOAD
Primary	2	WIND (X)
Primary	3	WIND (Z)
Combination	4	1.2D+1.0W(X)
Combination	5	1.2D+1.0W(Z)
Combination	7	1.0D+0.6W(X)
Combination	8	1.0D+0.6W(Z)



3D Rendered View



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Job No
50156141

Sheet No
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Rev
0

Job Title **East Lyme SC2 CT**

Part

Ref

By **CY**

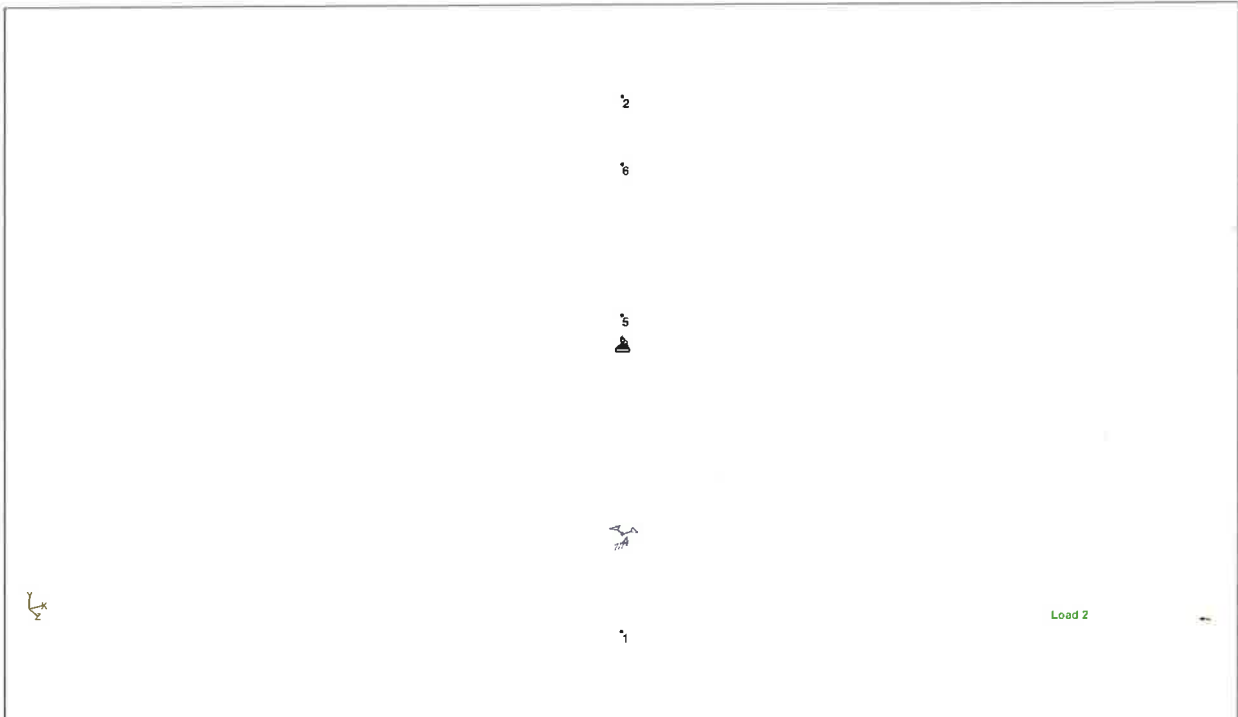
Date **11/18/2022**

Chd **BGK**

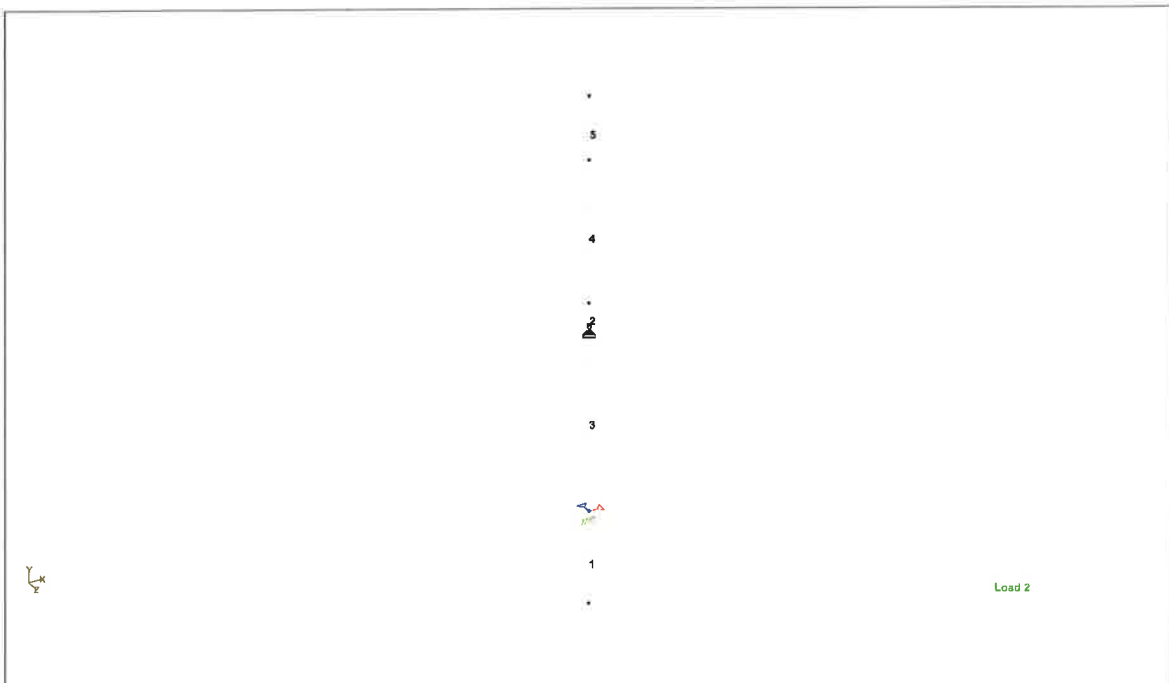
Client **VZW**

File **East Lyme SC2 CT.STD**

Date/Time **09-Dec-2022 17:39**



Node Layout



Beam Layout



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Part		
Ref		
By CY	Date 11/18/2022	Chd BGK
Client VZW	File East Lyme SC2 CT.STD	Date/Time 09-Dec-2022 17:39

Job Title East Lyme SC2 CT

Client VZW

Section Properties

Prop	Section	Area (in ²)	I _{yy} (in ⁴)	I _{zz} (in ⁴)	J (in ⁴)	Material
1	PIPS35	2.500	4.520	4.520	9.043	STEEL

Materials

Mat	Name	E (kip/in ²)	v	Density (kip/in ³)	α (/°F)
1	STEEL	29E+3	0.300	0.000	6.5E-6
2	CONCRETE	3.15E+3	0.170	8.68e-05	5.5E-6
3	ALUMINUM	10E+3	0.330	9.8e-05	12.8E-6
4	STAINLESSSTEEL	28E+3	0.300	0.000	9.9E-6
5	STEEL_36_KSI	29E+3	0.300	0.000	6.5E-6
6	STEEL_50_KSI	29E+3	0.300	0.000	6.5E-6
7	STEEL_275_NMM2	29.7E+3	0.300	0.000	6.67E-6
8	STEEL_355_NMM2	29.7E+3	0.300	0.000	6.67E-6
9	Q235	29.9E+3	0.300	0.000	6.67E-6
10	Q345	29.9E+3	0.300	0.000	6.67E-6
11	Q355	29.9E+3	0.300	0.000	6.67E-6
12	Q390	29.9E+3	0.300	0.000	6.67E-6
13	Q420	29.9E+3	0.300	0.000	6.67E-6
14	Q460	29.9E+3	0.300	0.000	6.67E-6
15	TIMBER	1.5E+3	0.150	0.000	3E-6

Supports

Node	X (kip/in)	Y (kip/in)	Z (kip/in)	rX (kip*ft/deg)	rY (kip*ft/deg)	rZ (kip*ft/deg)
3	Fixed	Fixed	Fixed	-	-	-
4	Fixed	Fixed	Fixed	-	Fixed	-

Releases

There is no data of this type.

Primary Load Cases

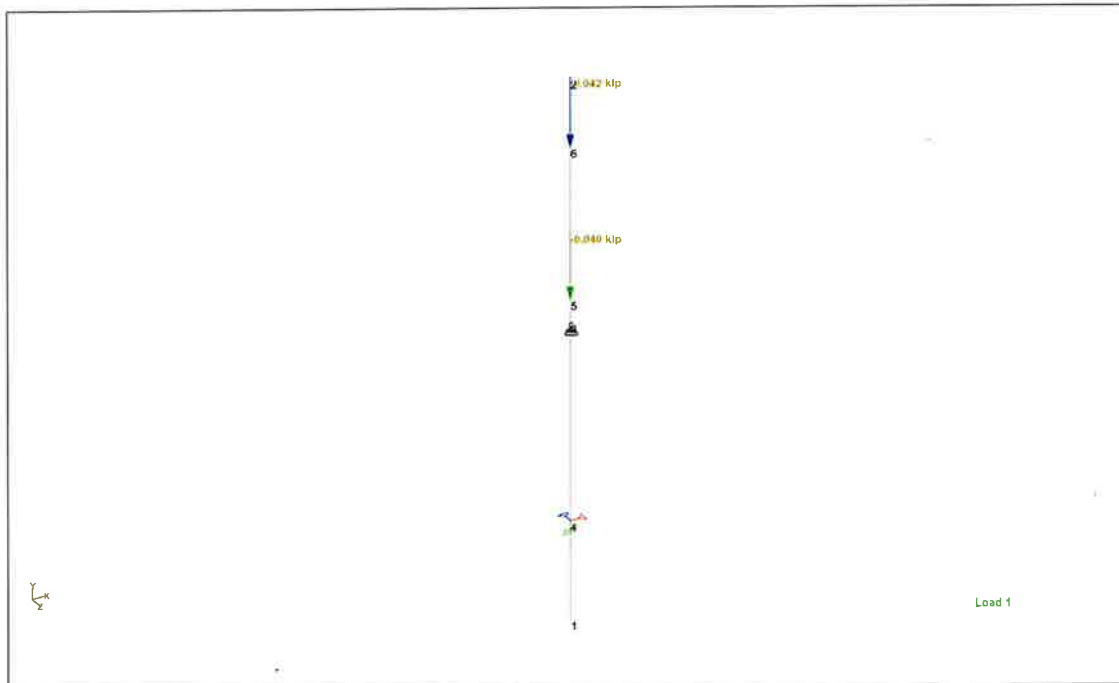
Number	Name	Type
1	DEAD LOAD	Dead
2	WIND (X)	Wind
3	WIND (Z)	Wind

Combination Load Cases

Comb.	Combination L/C Name	Primary	Primary L/C Name	Factor
4	1.2D+1.0W(X)	1	DEAD LOAD	1.20
		2	WIND (X)	1.00
5	1.2D+1.0W(Z)	1	DEAD LOAD	1.20
		3	WIND (Z)	1.00
7	1.0D+0.6W(X)	1	DEAD LOAD	1.00
		2	WIND (X)	0.60
8	1.0D+0.6W(Z)	1	DEAD LOAD	1.00
		3	WIND (Z)	0.60

Failed Members

There is no data of this type.



Dead Load

Bentley

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50156141

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Rev
0

Job Title **East Lyme SC2 CT**

Part

Ref

By **CY**

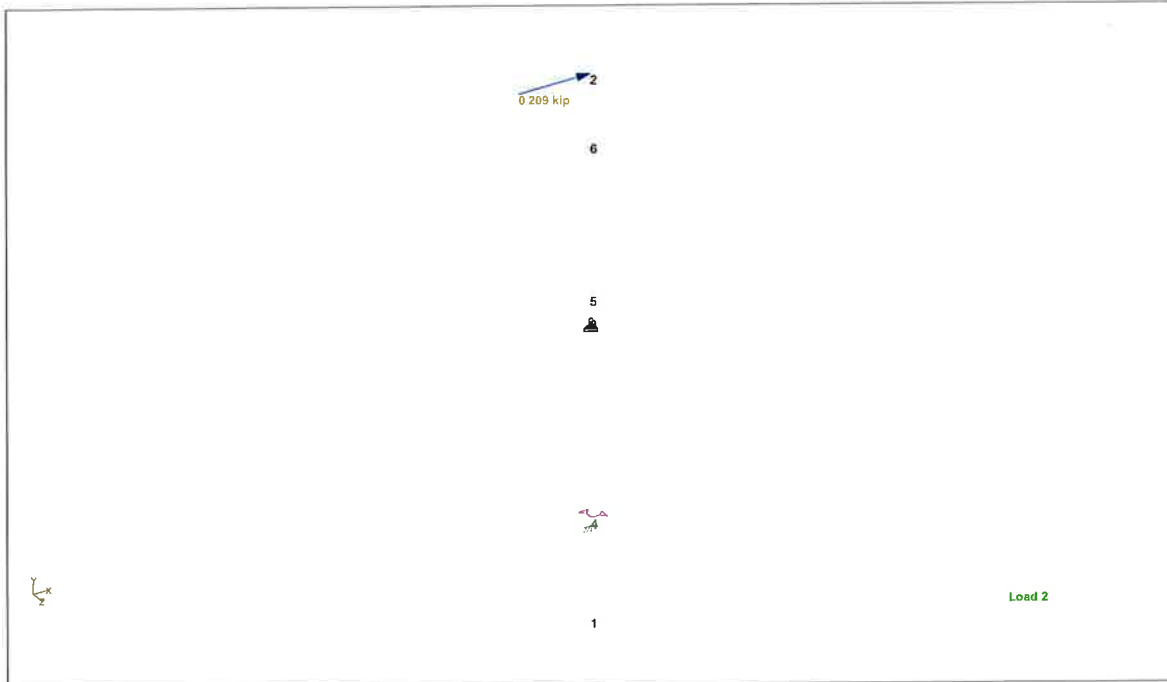
Date **11/18/2022**

Chd **BGK**

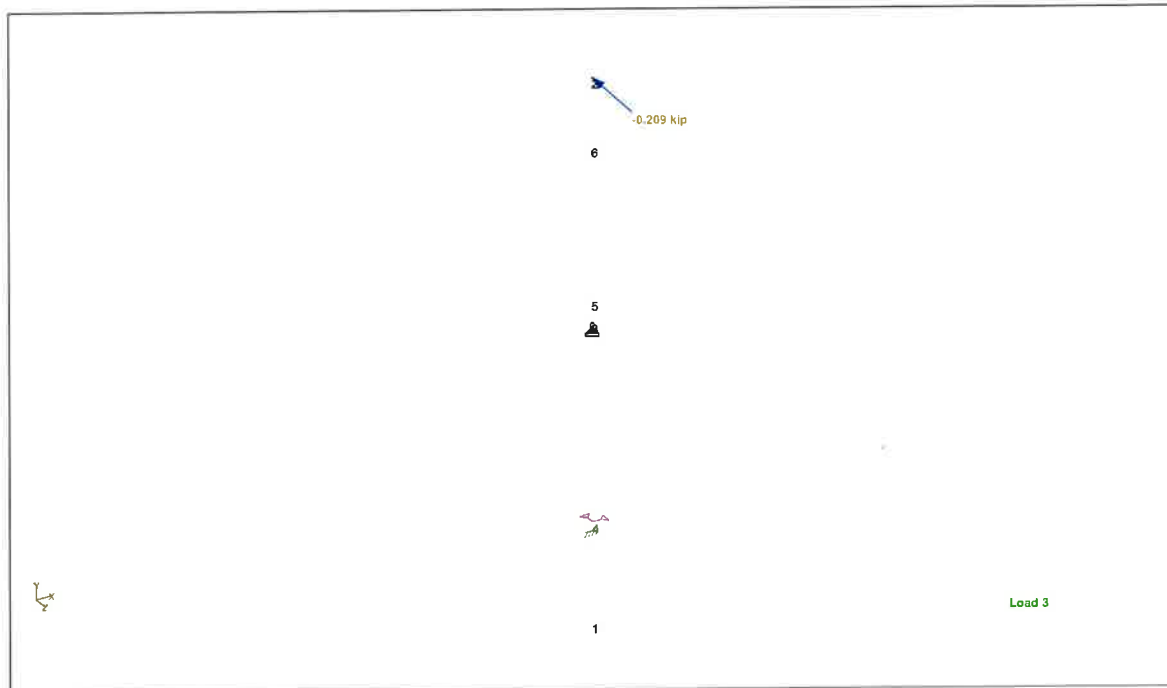
Client **VZW**

File **East Lyme SC2 CT.STD**

Date/Time **09-Dec-2022 17:39**



Wind (X)



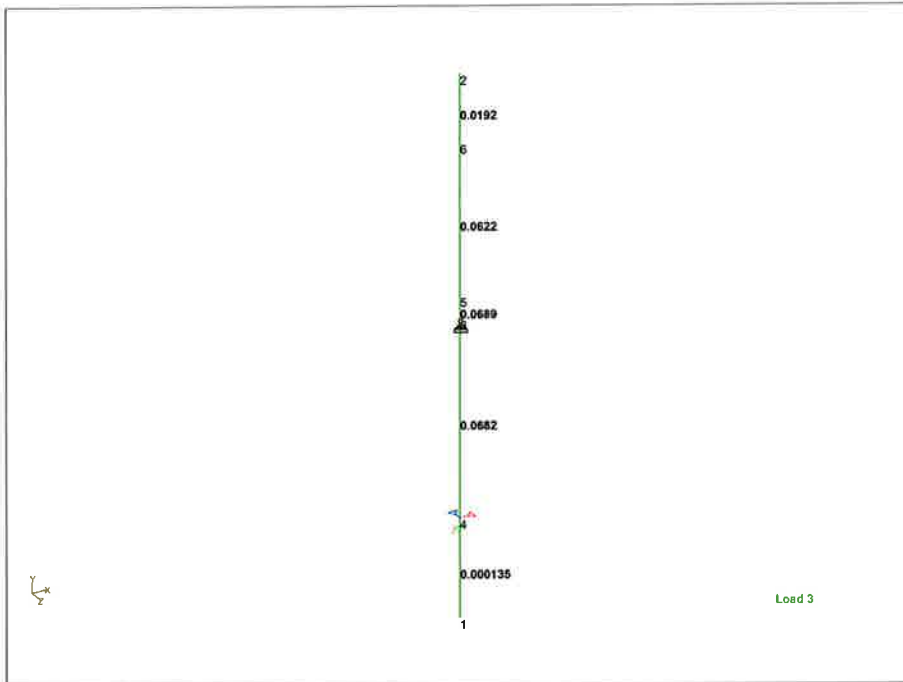
Wind (Z)

Job No 50156141	Sheet No 6	Rev 0
Part		
Ref		
By CY	Date 11/18/2022	Chd BGK
File East Lyme SC2 CT.STD	Date/Time 09-Dec-2022 17:39	

Job Title East Lyme SC2 CT
Client VZW

Utilization Ratio

Beam	Analysis Property	Design Property	Actual Ratio	Allowable Ratio	Ratio (Act./Allow.)	Clause	L/C	Ax (in ²)	Iz (in ⁴)	Iy (in ⁴)	Ix (in ⁴)
1	PIPS35	PIPS35	0.000	1.000	0.000	Cl.D2	4	2.500	4.520	4.520	9.040
2	PIPS35	PIPS35	0.069	1.000	0.069	Eq.H1-1b	4	2.500	4.520	4.520	9.040
3	PIPS35	PIPS35	0.068	1.000	0.068	Eq.H1-1b	4	2.500	4.520	4.520	9.040
4	PIPS35	PIPS35	0.062	1.000	0.062	Eq.H1-1b	4	2.500	4.520	4.520	9.040
5	PIPS35	PIPS35	0.019	1.000	0.019	Eq.H1-1b	4	2.500	4.520	4.520	9.040



Utilization Ratio



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By CY	Date 11/18/2022	Chd BGK
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Job Title East Lyme SC2 CT

Client VZW

Job Information

	Engineer	Checked	Approved
Name:	CY	BGK	
Date:	11/18/2022	11/22/2022	

Project ID	
Project Name	

Structure Type SPACE FRAME

Number of Nodes	6	Highest Node	6
Number of Elements	5	Highest Beam	5

Number of Basic Load Cases	3
Number of Combination Load Cases	4

Included in this printout are data for:

Nodes	3
-------	---

Included in this printout are results for load cases:

Type	L/C	Name
Combination	7	1.0D+0.6W(X)
Combination	8	1.0D+0.6W(Z)

Node 3 is the top connection where the mast pipe goes through the roof. The reactions are taken by that connection therefore only the axial load (Fy) is considered in the lag screw check.

Reaction Summary

	Node	L/C	Horizontal	Vertical	Horizontal	Moment		
			FX (kip)	FY (kip)	FZ (kip)	MX (kip'in)	MY (kip'in)	MZ (kip'in)
Max FX	3	8:1.0D+0.6W(Z)	0	0.114	0.280	0	0	0
Min FX	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Max FY	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Min FY	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Max FZ	3	8:1.0D+0.6W(Z)	0	0.114	0.280	0	0	0
Min FZ	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Max MX	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Min MX	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Max MY	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Min MY	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Max MZ	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0
Min MZ	3	7:1.0D+0.6W(X)	-0.280	0.114	0	0	0	0



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CONNECTED User: Carmen Yan

Job No 50156141	Sheet No 1	Rev 0
Part		
Ref		
By CY	Date 11/18/2022	Chd BGK
File East Lyme SC2 CT.STD	Date/Time 09-Dec-2022 17:39	

Job Title East Lyme SC2 CT
Client VZW

Job Information

	Engineer	Checked	Approved
Name:	CY	BGK	
Date:	11/18/2022	11/22/2022	

Project ID	
Project Name	

Structure Type	SPACE FRAME
----------------	-------------

Number of Nodes	6	Highest Node	6
Number of Elements	5	Highest Beam	5

Number of Basic Load Cases	3
Number of Combination Load Cases	4

Included in this printout are data for:

Nodes	4
-------	---

Included in this printout are results for load cases:

Type	L/C	Name
Combination	7	1.0D+0.6W(X)
Combination	8	1.0D+0.6W(Z)

Node 4 is the single U-bolt connection between the mast pipe and the existing structure.

Reaction Summary

	Node	L/C	Horizontal	Vertical	Horizontal	Moment		
			FX (kip)	FY (kip)	FZ (kip)	MX (kip'in)	MY (kip'in)	MZ (kip'in)
Max FX	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min FX	4	8:1.0D+0.6W(Z)	0	0.018	-0.154	0	0	0
Max FY	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min FY	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Max FZ	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min FZ	4	8:1.0D+0.6W(Z)	0	0.018	-0.154	0	0	0
Max MX	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min MX	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Max MY	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min MY	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Max MZ	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0
Min MZ	4	7:1.0D+0.6W(X)	0.154	0.018	0	0	0	0

$$F_y = 114 \text{ lb} + 18 \text{ lb} = 132 \text{ lb}$$



Job Number	<u>50156141</u>
Made by:	<u>CY</u>
Date:	<u>12/9/2022</u>
Checked by:	<u>BGK</u>
Date:	<u>12/9/2022</u>

(East Lyme SC2 CT - Rev 1) - Lag Screw Design

\\bos-fs\DEI\TelecomEV\Projects\VZW\50121487-NE\50156141 - East Lyme SC2 CT ESNAP\Eng\Struct\Rev 1\Calcs\Hilti Anchorage Check XX-XX-

Size Lag Screws for Antenna Angle Supports

- Existing (2x) lag screw used for mast pipe to existing structure connection
- Assumed 3/8" diameter x 1" lag screw with 3/4" embedment

Design Loading

Fz =	77 lb	STAAD Max Tension Load		
Moment =	0 lb-in	STAAD Max Moment - Prying		
Fy =	66 lb	STAAD Max Vertical Load		
Fx =	77 lb	STAAD Max Shear Load		
z =	101 lb	Max Combined Shear Load	$\theta =$	49.4
w =	77 lb	Withdrawal Load		
z α =	127 lb	Combined Lateral and Withdrawal	$\alpha =$	37.2

Lag Screw Dimensions:

(Table L2, NDS 2015)

Dia. (D) =	0.375 in.	T =	0.75 in.	T-E =	0.5313 in.
Length =	1 in.	S =	0.25 in.		

Adjusted Design Values (per lag screw)

$W' = (1800G^{3/2}D^{3/4})C_d$	where:	$C_d = 1.6$	(duration factor, wind)
= 431 lb		$G = 0.46$	(spec. grav. southern pine)
$Z' = Z_{\theta}C_dC_g$	where:	$C_d = 1.6$	(duration factor, wind)
= 183 lb		$C_g = 1$	(group factor, calc'd)
		$Z_{\theta} = 113.9$	(Yield Mode III _m)

Combined Lateral and Withdrawal Loads

$$Z'\alpha = \frac{(W'p) Z'}{(W'p) \cos^2\alpha + Z'\sin^2\alpha}$$

$Z'\alpha = 197 \text{ lb}$

Unity Checks

$$\frac{z\alpha}{Z'\alpha} = \frac{127 \text{ lb}}{197 \text{ lb}} = 64.5\%$$



EAST > North East > New England > New England West > EAST LYME SC 2 CT

RF Submit by: Stevens, Wesley - wesley.stevens@verizonwireless.com - 9/26/2022, 11:16:38 AM

EE Submit by: Driscoll, Janet - janet.driscoll@verizonwireless.com - 7/18/2022, 1:32:36 PM

Project Details

Location Information

FUZE Project ID: 16773996
Project Name: Radio Swap
Project Alt Name: EAST LYME SC 2 CT - NENG_SC_ESNAP
Project Type: Modification
Modification Type: RF
Designed Sector Carrier 4G: 2
Designed Sector Carrier 5G: N/A
Additional Sector Carrier 4G: N/A
Additional Sector Carrier 5G: N/A
FP Solution Type & Tech Type: MODIFICATION;4G_850,4G_Radio Swap
Carrier Aggregation: false
MPT Id:
eCIP-0: false
Suffix: Rev4_20220926

Site ID: 2715807
E-NodeB ID: 064116
PSLC: 467444
Switch Name: Wallingford 1
Tower Owner:
Tower Type: Rooftop
Site Type: SMALL-CELL
Site Sub Type: SPOKE
Street Address: 301 Chesterfield Rd
City: East Lyme
State: CT
Zip Code: 06333
County: New London
Latitude: 41.405478 / 41° 24' 19.7208" N
Longitude: -72.224858 / 72° 13' 29.4888" W

RFDS Project Scope: Add AWS/PCS/850
Swap antenna
Swap RRHs to SS ORAN

Rev0_20220121: initial design
Rev1_20220121: changed RRHs to ORAN, removed diplexer (ORAN has 4 ports)
Rev2_20220805: revised RFDS to show the need for a diplexer - the AWS/PCS RRH does have 8 ports. Added a plumbing diagram.
Rev3_20220906: Per RE there is only space for 1 RRH, so removing the AWS/PCS RRH
Rev4_20220926: Updated plumbing diagram and removed diplexer

Antenna Summary

Added

700	850	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
LTE	LTE	COMMSCOPE	NNVSSP-360S-FM	27.51	28.7	50(01)	false	false	PHYSICAL	1	NNVSSP-360S-FM

Removed

700	850	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
LTE		ANDREW	NH180QS-DG-FOM	27.51	28.7	50(01)	false	false	PHYSICAL	1	

Retained

700	850	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity	Item ID
-----	-----	------	-------	------------	------------	---------	-----	------	------------	----------	---------

No data available.

Added: 1 Removed: 1 Retained: 0

Equipment Summary

Added

Equipment Type	Location	700	850	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
RRU	Tower			COMMSCOPE	ATCB RET CABLE			PHYSICAL	1	
Kit	Tower			GEMINI	1600131299A			PHYSICAL	2	1600131299A
Kit	Tower			GEMINI	1600270671A			PHYSICAL	2	1600270671A
Mounts/ Brackets	Tower			QUADELECTRIC	V-324			PHYSICAL	2	V-324
Kit	Tower			QUADELECTRIC	F113CGRS0101FLF025			PHYSICAL	2	F113CGRS0101FLF025
Kit	Tower			QUADELECTRIC	FLI0020T010046M010			PHYSICAL	2	FLI0020T010046M010
Kit	Tower			QUADELECTRIC	SAM-CGRS-ERT-NID			PHYSICAL	1	SAMSUNG-CGRS-ERT-NID
Kit	Tower			QUADELECTRIC	TRAT303H1B1J00F006			PHYSICAL	8	TRAT303H1B1J00F006
Kit	Tower			QUADELECTRIC	TRAT303H1B1J00F050			PHYSICAL	8	TRAT303H1B1J00F050
Kit	Tower			QUADELECTRIC	UXP-4MT-12S			PHYSICAL	8	UXP-4MT-12S
Kit	Tower			QUADELECTRIC	WPS-4F			PHYSICAL	8	WPS-4F
Kit	Tower			QUADELECTRIC	WPS-N-4S			PHYSICAL	8	WPS-N-4S
Kit	Tower			QUADELECTRIC	V3000			PHYSICAL	1	V3000
Other	Tower			SAMSUNGELECTRIC	SLS-BB1150EDEX			PHYSICAL	1	SLS-BB1150EDEX
RRU	Tower	LTE	LTE	Samsung	B5/B13 RRH ORAN (RF4440d-13A)			PHYSICAL	1	

Removed

Equipment Type	Location	700	850	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
RRU	Tower	LTE		Nokia	UHBA B13 RRH 4x30			PHYSICAL	1	

Retained

Equipment Type	Location	700	850	Make	Model	Cable Length	Cable Size	Install Type	Quantity	Item ID
----------------	----------	-----	-----	------	-------	--------------	------------	--------------	----------	---------

No data available

Service Info

700 MHz LTE

Sector	01	0000
Azimuth	50	
Cell / ENode B ID	064116	
Antenna Model	NH180Q5-DG-F0M	
Antenna Make	ANDREW	
Antenna Centerline(Ft)	27.51	
Mechanical Down-Tilt(Deg.)	0	
Electrical Down-Tilt	0	
Tip Height	28.7	
Regulatory Power	11.63	
DLEARFCN	5230	
Channel Bandwidth(MHz)	10	
Total ERP (W)	104.71	
TMA Make		
TMA Model		
RRU Make	Nokia	
RRU Model	UHBA B13 RRH 4x30	
Number of Tx, Rx Lines	2,2	
Position		
Transmitter Id	1951746	
Source	ATOLL_API	

0002

01	
50	
064116	
NNVVSSP-360S-FM	
COMMSCOPE	
27.51	
0	
0	
28.7	
6.65	
5230	
10	
59.81	
Samsung	
B5/B13 RRH ORAN (RF4440d-13A)	
2,2	
12196724	
ATOLL_API	

850 MHz LTE

Sector		
Azimuth		
Cell / ENode B ID		
Antenna Model		
Antenna Make		
Antenna Centerline(Ft)		
Mechanical Down-Tilt(Deg.)		
Electrical Down-Tilt		
Tip Height		
Regulatory Power		
DLEARFCN		
Channel Bandwidth(MHz)		
Total ERP (W)		
TMA Make		
TMA Model		
RRU Make		
RRU Model		
Number of Tx, Rx Lines		
Position		
Transmitter Id		
Source		

0002

01	
50	
064116	
NNVVSSP-360S-FM	
COMMSCOPE	
27.51	
0	
0	
28.7	
12.52	
2450	
10	
56.34	
Samsung	
B5/B13 RRH ORAN (RF4440d-13A)	
2,2	
12196727	
ATOLL_API	

Service Comments

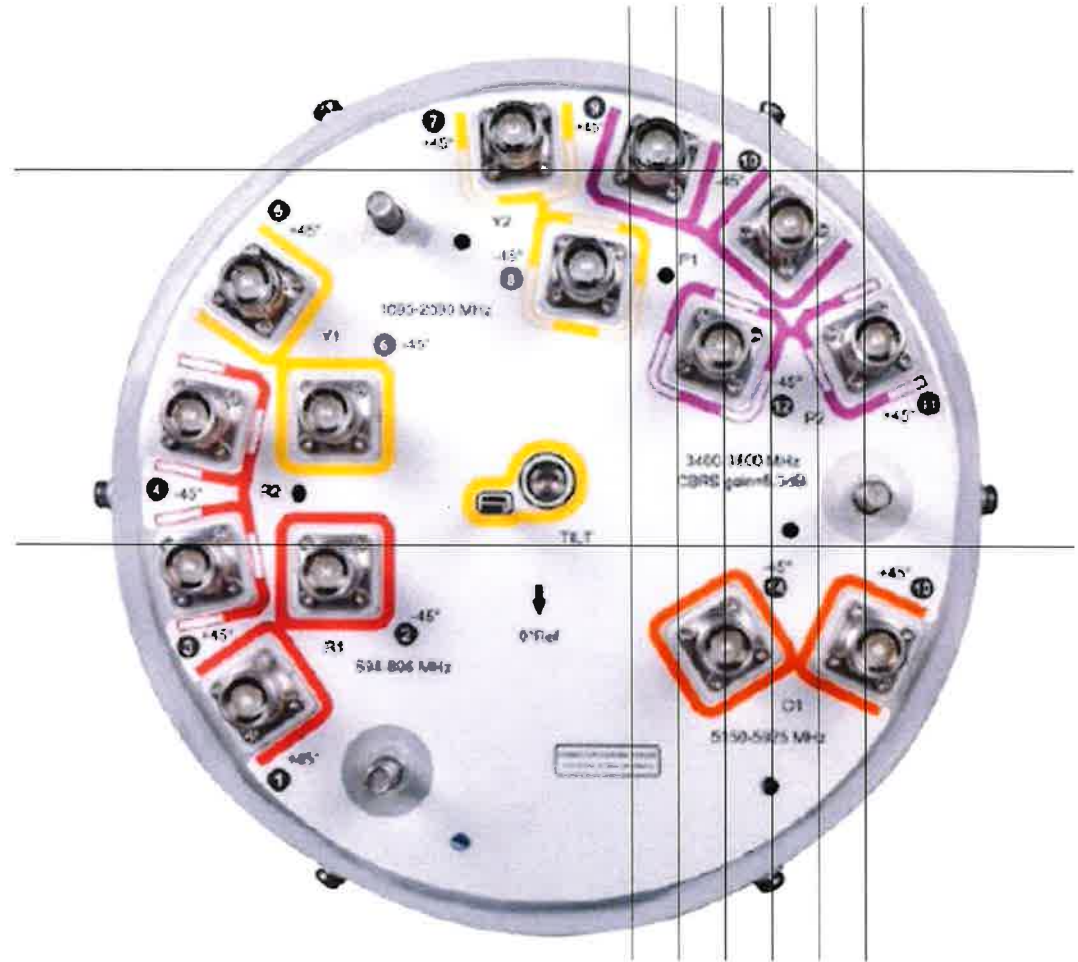
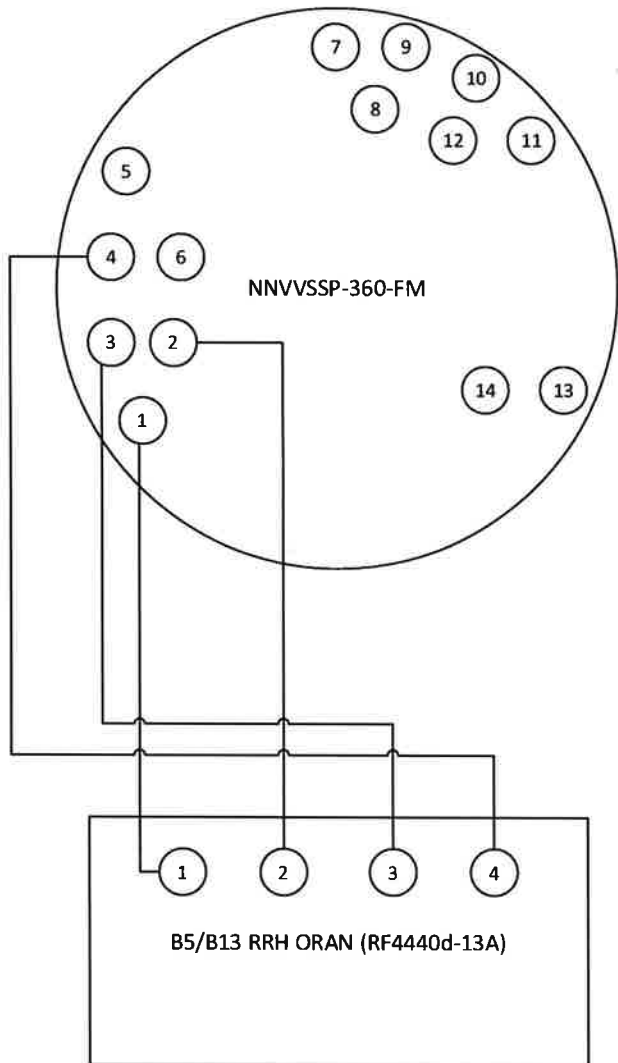
Callsigns Per Antenna

Sector	Antenna Make	Antenna Model	Ant CL Height AGL	Tip Height	Azimuth (TN)	Elec Tilt	Mech Tilt	Gain	Beam Width	Regulatory Power	Callsigns						
											700	850	1900	2100	28 GHz	31 GHz	39 GHz
01	COMMSCOPE	NNVSSP-360S-FM	27.51	28.7	50	0	0	1.508	360	12.52		KNKA745					
01	COMMSCOPE	NNVSSP-360S-FM	27.51	28.7	50	0	0	1.768	360	6.65	WQJQ889						

Callsigns

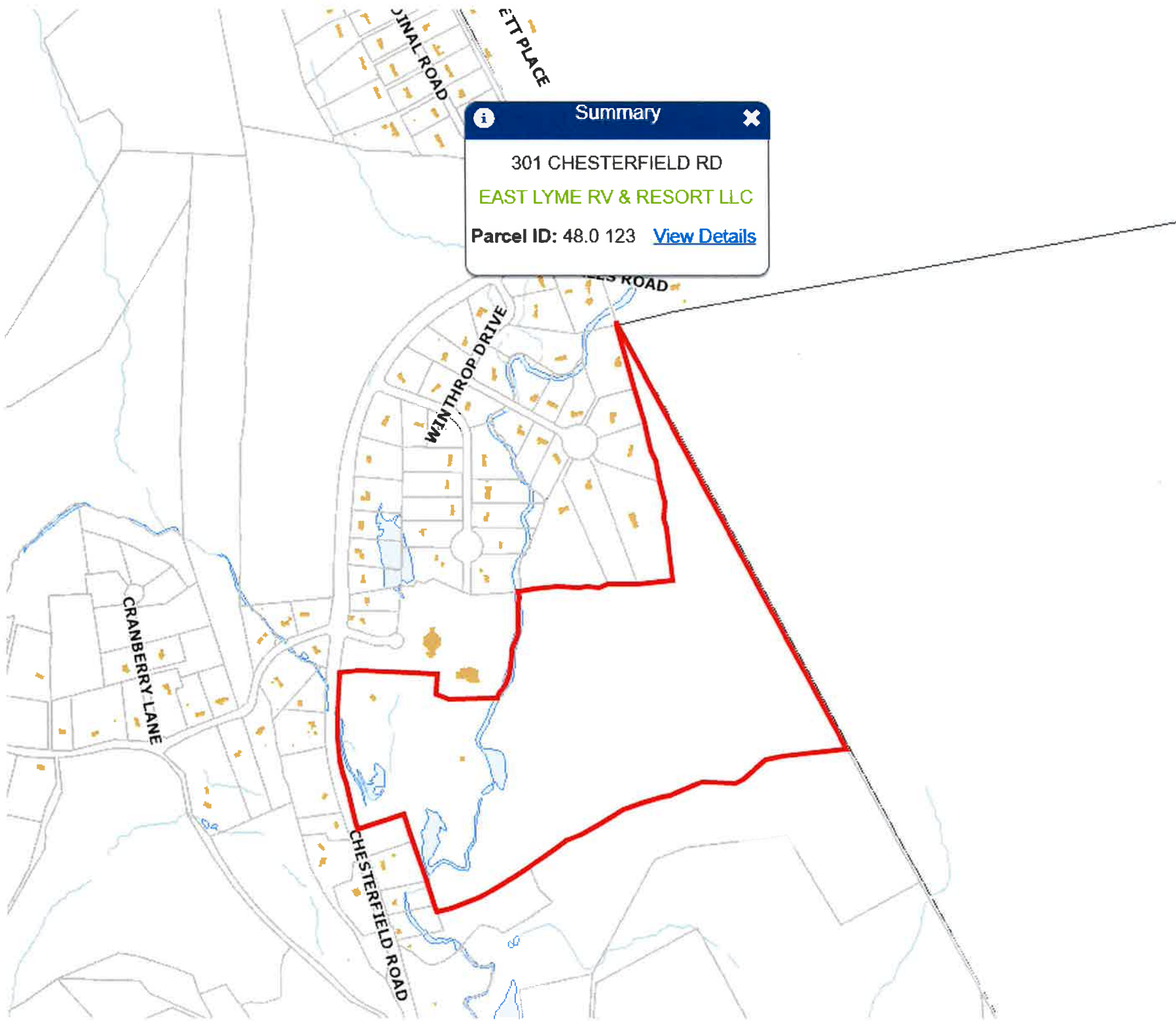
Callsign	Market	Radio Code	Market Number	Block	State	County	Licensee Name	Wholly Owned	Total MHZ	Freq Range 1	Freq Range 2	Freq Range 3	Freq Range 4	Regulatory Power	Threshold (W)	POPs /Sq Mi	Status	Action	Approved for Insvc
WQJQ689	Northeast	WU	REA001	C	CT	New London	Cellco Partnership	Yes	22.000	746.000-757.000	776.000-787.000	.000-.000	.000-.000	6.65	1000	403.90	Active	added	Yes
KNKA745	New London-Norwich, CT	CL	CMA154	A	CT	New London	Cellco Partnership	Yes	25.000	824.000-835.000	869.000-880.000	845.000-846.500	890.000-891.500	12.52	400	403.90	Active	added	Yes
WQDU931	New London-Norwich, CT	CW	BTA319	C	CT	New London	Cellco Partnership	Yes	10.000	1900.000-1905.000	1980.000-1985.000	.000-.000	.000-.000		1640	403.90	Active		Yes
WQEM954	New London-Norwich, CT	CW	BTA319	C	CT	New London	Cellco Partnership	Yes	10.000	1895.000-1900.000	1975.000-1980.000	.000-.000	.000-.000		1640	403.90	Active		Yes
KNLH263	New London-Norwich, CT	CW	BTA319	F	CT	New London	Cellco Partnership	Yes	10.000	1890.000-1895.000	1970.000-1975.000	.000-.000	.000-.000		1640	403.90	Active		Yes
WREE835	C09011 - New London, CT	UU	C09011	L1	CT	New London	Cellco Partnership	Yes	425.000	27500.000-27925.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WREE836	C09011 - New London, CT	UU	C09011	L2	CT	New London	Cellco Partnership	Yes	425.000	27925.000-28350.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD609	New York, NY	UU	PEA001	M1	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	37600.000-37700.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD610	New York, NY	UU	PEA001	M10	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38500.000-38600.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD611	New York, NY	UU	PEA001	M2	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	37700.000-37800.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD612	New York, NY	UU	PEA001	M3	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	37800.000-37900.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD613	New York, NY	UU	PEA001	M4	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	37900.000-38000.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD614	New York, NY	UU	PEA001	M5	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38000.000-38100.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD615	New York, NY	UU	PEA001	M6	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38100.000-38200.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD616	New York, NY	UU	PEA001	M7	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38200.000-38300.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD617	New York, NY	UU	PEA001	M8	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38300.000-38400.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD618	New York, NY	UU	PEA001	M9	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38400.000-38500.000	.000-.000	.000-.000	.000-.000			403.90	Active		Yes
WRHD619	New York, NY	UU	PEA001	N1	CT	New London	Straight Path Spectrum, LLC	Yes	100.000	38600.000-38700.000	.000-.000	.000-.000	.000-.000			403.90	Active	N/A	No
WQGD494	New London-Norwich, CT	AW	CMA154	A	CT	New London	Cellco Partnership	Yes	20.000	1710.000-1720.000	2110.000-2120.000	.000-.000	.000-.000		1640	403.90	Active		Yes
WRNE581	New York, NY	PM	PEA001	A1	CT	New London	Cellco Partnership	Yes	20.000	3700.000-3720.000	.000-.000	.000-.000	.000-.000		1640	403.90	Active		Yes
WRNE582	New York, NY	PM	PEA001	A2	CT	New London	Cellco Partnership	Yes	20.000	3720.000-3740.000	.000-.000	.000-.000	.000-.000		1640	403.90	Active		Yes
WRNE583	New York, NY	PM	PEA001	A3	CT	New London	Cellco Partnership	Yes	20.000	3740.000-3760.000	.000-.000	.000-.000	.000-.000		1640	403.90	Active		Yes

WRNE584	New York, NY	PM	PEA001	A4	CT	New London	Cellco Partnership	Yes	20.000	3760.000-3780.000	.000-.000	.000-.000	.000-.000	1640	403.90	Active	No
WRNE585	New York, NY	PM	PEA001	A5	CT	New London	Cellco Partnership	Yes	20.000	3780.000-3800.000	.000-.000	.000-.000	.000-.000	1640	403.90	Active	No
WQGA906	New York-No. New Jer.-Long Island, NY-NJ-CT-PA-MA-	AW	BEA010	B	CT	New London	Cellco Partnership	Yes	20.000	1720.000-1730.000	2120.000-2130.000	.000-.000	.000-.000	1640	403.90	Active	Yes
WRNE586	New York, NY	PM	PEA001	B1	CT	New London	Cellco Partnership	Yes	20.000	3800.000-3820.000	.000-.000	.000-.000	.000-.000	1640	403.90	Active	No
WRNE587	New York, NY	PM	PEA001	B2	CT	New London	Cellco Partnership	Yes	20.000	3820.000-3840.000	.000-.000	.000-.000	.000-.000	1640	403.90	Active	No
WRNE588	New York, NY	PM	PEA001	B3	CT	New London	Cellco Partnership	Yes	20.000	3840.000-3860.000	.000-.000	.000-.000	.000-.000	1640	403.90	Active	No



- Port 1,2,3,4 are for low band (698-896 MHz).
- Port 5,6,7, & 8 are for AWS/PCS (1695-2360 MHz).
- Port 9,10,11,12 are for CBRS (3550-3700)
- Port 13,14, are for LAA (5150-5925)
- Antenna has no Smart Bias Tee (SBT)
- AISG cable is not needed (low band is fixed tilt)

ATTACHMENT 5



Summary ✕

301 CHESTERFIELD RD
EAST LYME RV & RESORT LLC
Parcel ID: 48.0 123 [View Details](#)



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301 CHESTERFIELD RD

[Q Sales](#)
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[Field Card](#)
[Map It](#)

Location 301 CHESTERFIELD RD **Mblu** 48.0/ 123/ / /
Acct# 005439 **Owner** EAST LYME RV & RESORT LLC
Assessment \$1,442,080 **Appraisal** \$2,367,500
PID 8047 **Building Count** 2

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$640,100	\$1,727,400	\$2,367,500
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$448,070	\$994,010	\$1,442,080

Owner of Record

Owner EAST LYME RV & RESORT LLC **Sale Price** \$1,700,000
Co-Owner **Certificate**
Address 301 CHESTERFIELD RD **Book & Page** 1010/0075
 EAST LYME, CT 06333 **Sale Date** 04/12/2019
 Instrument 03

Ownership History

ATTACHMENT 6



East Lyme SC 2

Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 3	TOTAL NO. of Pieces Received at Post Office™ 3	Affix Stamp Here <i>Postmark with Date of Receipt.</i> ZIP 06103 041L12203337
	Postmaster, per (name of receiving employee)		

USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Kevin A. Seery, First Selectman Town of East Lyme 108 Pennsylvania Avenue Niantic, CT 06357				
2.	Gary Goeschel II, Director of Planning Town of East Lyme 108 Pennsylvania Avenue Niantic, CT 06357				
3.	East Lyme RV & Resort LLC 301 Chesterfield Road East Lyme, CT 06333				
4.					
5.					
6.					