

LETTER OF AUTHORIZATION

SITE NO: 88009

Site Name: CORNWALL CT

ADDRESS: 36 Toomey Rd., Cornwall, CT 06759-4232

I, Margaret Robinson, Senior Counsel, US Tower Division on behalf of American Tower*, owner of the tower facility located at the address identified above (the "Tower Facility"), do hereby authorize Network Building + Consulting, its successors and assigns, to act as American Tower's non-exclusive agent for the purpose of filing and securing any zoning, land-use, building permit and/or electrical permit application(s) and approvals of the applicable jurisdiction for and to conduct the construction of the installation of antennas and related telecommunications equipment on the Tower Facility located at the above address. This installation shall not affect adjoining lands and will occur only within the area leased by American Tower.

American Tower understands that the application may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by American Tower of conditions related to American Tower's installation. Any such conditions of approval or modifications will not be effective unless approved in writing by American Tower.

The above authorization does not permit Network Building + Consulting to modify or alter any existing permit(s) and/or zoning or land-use conditions or impose any additional conditions unrelated to American Tower's installation of telecommunications equipment without the prior written approval of American Tower.

Signature:

Margaret Robinson, Senior Counsel

US Tower Division

NOTARY BLOCK

COMMONWEALTH OF MASSACHUSETTS County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Senior Counsel of American Tower (Tower Facility owner), personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same.

WITNESS my hand and official seal, this That day of February, 20/9.

NOTARY SEA

GERARD T. HEFFRON

Notary Public

Commonwealth of Massachusetts

My Commission Expires
August 9, 2024

Notary Public

My Commission Expires:

American Tower as used herein is defined as American Tower Asset Sub, LLC and any of its affiliates or subsidiaries.



NB+C, LLC
100 Apollo Drive Suite 303
Chelmsford, MA 01824
Agent for American Tower Corporation
David Hoogasian – Project Manager
508-344-3343
dhoogasian@nbcllc.com

February 25, 2019

Melanie A. Bachman Acting Executive Director Connecticut Siting Council 10 Franklin Square New Britain, CT 06051

Notice of Exempt Modification

Facility Address: 36 Mohawk Mountain Rd, (aka 36 Toomey Rd.) Cornwall, CT 06759 // ATC SITE:

88009 CORNWALL CT

Facility Coordinates (N) 41.82130278

(W) 73.29644167

Dear Ms. Bachman:

American Tower Corporation, Inc (ATC) currently maintains an Existing Cellular Tower Facility (65' Self Support Tower) at 36 Mohawk Mountain Rd, (now known as 36 Toomey Rd) Cornwall, CT 06759, Parcel ID: F04/01, in the Town of Cornwall. The tower is owned by American Tower. The property is owned by the State of Connecticut. American Tower Corporation, Inc (ATC) now intends install an automatic transfer switch and remote monitoring communications circuitry, to an existing optional standby generator, within the leased, fenced ground space area of the facility. The purpose of the installation is to allow for a shared back up emergency power option for its current (and future) wireless carrier tenants.

Because the proposed transfer switch and monitoring system are within the existing, approved compound space, and the applicant is NOT requesting expansion of ground space beyond the approved conditions, this modification request complies with the conditions of the original Tower Approval.

Please accept this letter, as notification pursuant to Regulations of Connecticut State Agencies @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 First Selectman Gordon M. Ridgway of the Town of Cornwall, David Colbert, Chair of the Cornwall, CT Planning and Zoning Commission, as well as the property owner and tower owner.

ATTACHMENT A

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 structure.
- 2. The proposed modifications 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 operation of the generator back up power facility will not increase radio frequency emissions at the facility to the level at or above the Federal Communications Commission safety standard.
- 5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
- 6. The existing structure and its foundation can support the proposed loading if the tower will be reenforced to support them. <<< NOTE This condition is N/A. The proposed Generator attachments are based on the ground, and not associated or loaded onto the tower or foundation.

For the foregoing reasons, American Tower Corporation (ATC) respectfully submits that the proposed modifications to the above referenced telecommunications facility constitute an exempt modification under R.C.S.A. @16-50j-72(b)(2).

Sincerely,

David Hoogasian

Attachments

Cc: First Selectman Gordon M. Ridgway – Chief Elected Official
David Colbert – Chair of the Planning and Zoning Commission, Town of Cornwall, CT
American Tower Corporation (ATC) – Tower owner
The State of Connecticut – Property owner

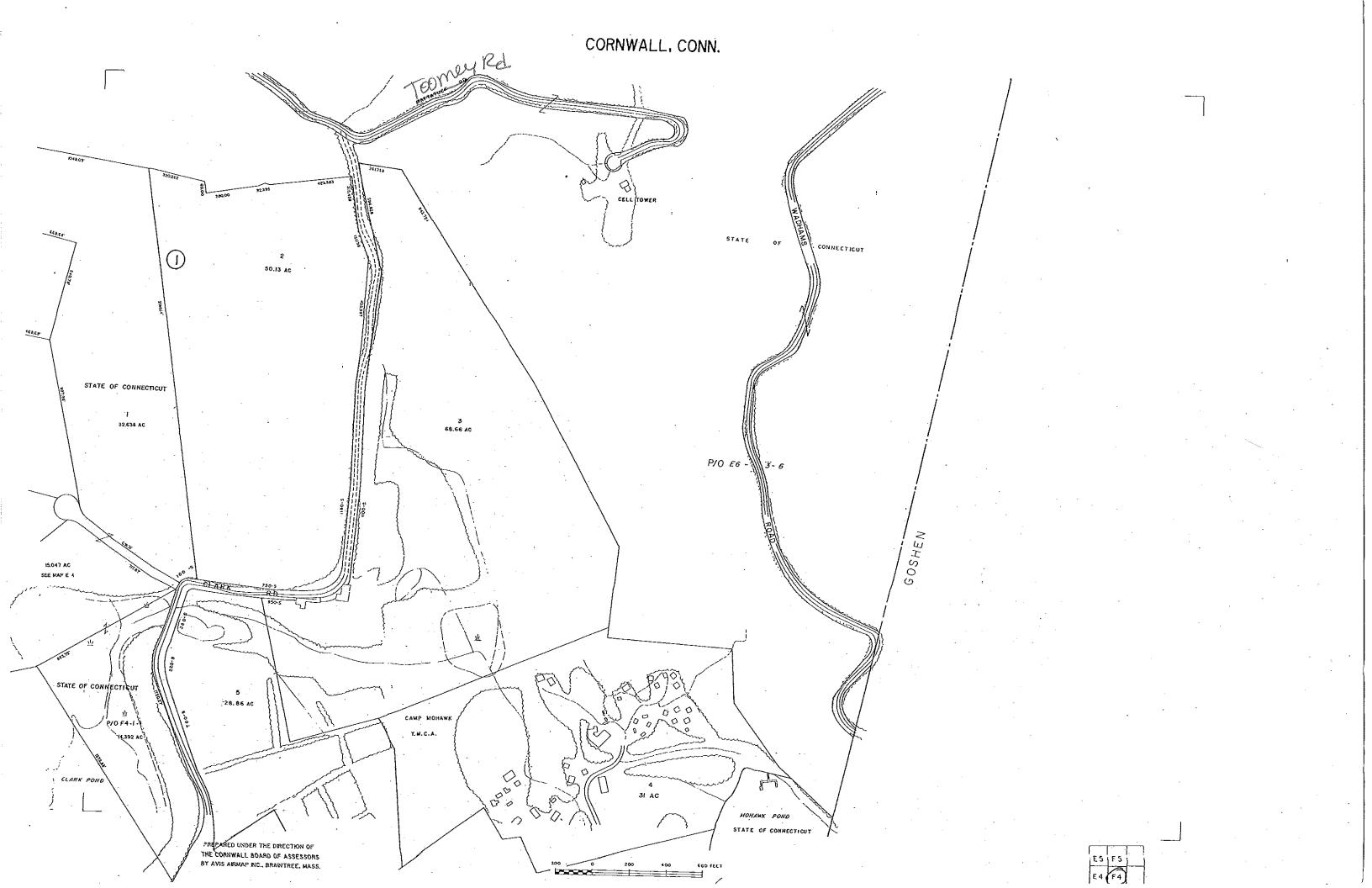
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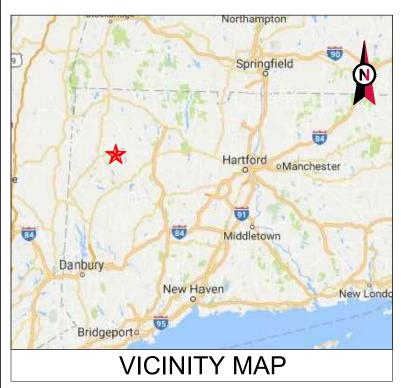
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ATC SITE NAME: CORNWALL CT

SITE NUMBER: 88009

SITE ADDRESS: 36 TOOMEY RD

CORNWALL, CT 06759



LOCATION MAP

SHARED GENERATOR PROGRAM **ADDITIONAL TENANT**

COMPLIANCE CODE	PROJECT SUMMARY	PROJECT DESCRIPTION		SHEET INDEX			
ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE	SITE ADDRESS:	THE PROPOSED PROJECT INSTALLS AN AUTOMATIC TRANSFER	SHEET NO:	DESCRIPTION:	REV:	DATE:	BY:
FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS	36 TOOMEY RD CORNWALL, CT 06759	SWITCH AND REMOTE MONITORING COMMUNICATIONS CIRCUITRY, TO AN EXISTING GENERATOR OPTIONAL STANDBY	G-001	TITLE SHEET	0	01/08/19	MG
TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.	COUNTY: LITCHFIELD	SYSTEM FOR A COMMUNICATION TOWER TENANT.	G-002	GENERAL NOTES	0	01/08/19	MG
	GEOGRAPHIC COORDINATES:	PROJECT NOTES	C-101	SITE PLAN	0	01/08/19	MG
INTERNATIONAL BUILDING CODE (IBC)	LATITUDE: 41.82130278 LONGITUDE: -73.29644167	THE FACILITY IS UNMANNED.	C-501	TRENCHING AND H-FRAME DETAILS	0	01/08/19	MG
2. NATIONAL ELECTRIC CODE (NEC)	GROUND ELEVATION: 1678' AMSL	THE PACIENT IS UNMANNED. 2. A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE	E-601	ELECTRICAL ONE-LINE	0	01/08/19	MG
3. LOCAL BUILDING CODE	ZONING INFORMATION:	A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.					
4. CITY/COUNTY ORDINANCES	JURISDICTION: LITCHFIELD COUNTY	3. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.					
		NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.					
	PROJECT TEAM	5. HANDICAP ACCESS IS NOT REQUIRED.					
	ATC REGIONAL NETWORK DEVELOPMENT PROJECT MANAGER:						
UTILITY COMPANIES	GREG CSAPO (919) 749-6927						+
POWER COMPANY: EVERSOURCE PHONE: (877) 659-6326	ATC NETWORK OPERATIONS CENTER: (877) 518-6937						
TELEPHONE COMPANY: FRONTIER COMMUNICATIONS	<u>TOWER OWNER:</u> AMERICAN TOWER	PROJECT LOCATION DIRECTIONS					+
PHONE: (800) 376-6843	10 PRSIDENTIAL WAY WOBURN, MA 01801						+
000	PROPERTY OWNER:	FROM HARTFORD, CT:					
211	AMERICAN TOWER 10 PRESIDENTIAL WAY	TAKE I-84 WEST TO RT 4 WEST, FOLLOW RT 4 TO GOSHEN, CT.					
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	ENGINEERED BY:	ROAD WHERE THE STATE FOREST BEGINS. FOLLOW THIS TO THE TOP OF THE MOUNTAIN. ATC TOWER IS THE FIRST ONE ON					
Know what's below. Call before you dig.	ATC TOWER SERVICES 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518	THE LEFT AT THE TOP.					
Oan before you dig.	UART, NO 27910						



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY

SUITE 100 CARY, NC 27518 PHONE: (919) 468-0112 COA: PEC.0001553

THESE DRAWINGS AND/OR THE ACCOMPANYING
SPECIFICATION AS INSTRUMENTS OR SERVICE ARE THE
EXCLUSIVE PROPERTY OF AMERICAN TOWER. THEIR USE AND
PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE
FOR WHICH THEY ARE PREPARED, ANY USE OR DISCLOSURE
OTHER THAN THAT WHICH RELATES TO AMERICAN TOWER OR
THE SPECIFIED CARRIER IS STRICTLY PROHIBITED. TITLE TO
THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF
AMERICAN TOWER WHETHER OR NOT THE PROJECT IS
EXECUTED. NEITHER THE ARCHITECT NOR THE ENGINEER WILL
BE PROVIDING ON-SITE CONSTRUCTION REVIEW OF THIS
PROJECT. CONTRACTOR(S) MUST VERIFY ALL DIMENSIONS AND
ADVISE AMERICAN TOWER OF ANY DISCREPANCIES. ANY PRIOR
ISSUANCE OF THIS DRAWING IS SUPERSEDED BY THE LATEST
VERSION ON FILE WITH AMERICAN TOWER.

REV.	DESCRIPTION	BY	DATE
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ATC SITE NUMBER:

88009

ATC SITE NAME:

CORNWALL CT

SITE ADDRESS: 36 TOOMEY RD CORNWALL, CT 06759

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APPROVED BY:	PPB
DATE DRAWN:	01/08/19
ATC JOB NO:	12643567

TITLE SHEET

REVISION: G-001

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GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222. AND COMPLY WITH ATC MASTER SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT LOCAL 811 FOR IDENTIFICATION OF UNDERGROUND UTILITIES
 PRIOR TO START OF CONSTRUCTION.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- 4. 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.
- 5. 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 SHALL BE 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, FTC.
- CONTRACTOR SHALL 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 ATC CM PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE ATC CM PRIOR TO PROCEEDING.
- 11. EACH CONTRACTOR SHALL COOPERATE WITH THE ATC CM, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS
- 12. CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE ATC CONSTRUCTION MANAGER
- 13. ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- 14. WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR SHALL NOTIFY THE ATC CONSTRUCTION MANAGER IMMEDIATELY.
- 15. CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A COMPLETE AND CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- 17. CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH ATC WITH A PDF MARKED UP AS-BUILT SET OF DRAWINGS UPON COMPLETION OF WORK.
- 19. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH ATC CM TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED. ALL ITEMS NOT PROVIDED SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH ATC CONSTRUCTION MANAGER TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY ATC. ALL REQUIRED PERMITS NOT OBTAINED BY ATC MUST BE OBTAINED. AND PAID FOR. BY THE CONTRACTOR.
- 21. CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH ATC SPECIFICATIONS AND REQUIREMENTS.
- 22. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ATC FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- 23. ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO ATC SPECIFICATIONS. AND AS SHOWN IN THESE PLANS.
- 24. 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.
- 25. CONTRACTOR SHALL NOTIFY ATC CM A MINIMUM OF 48 HOURS IN ADVANCE OF POURING CONCRETE OR BACKFILLING ANY UNDERGROUND UTILITIES, FOUNDATIONS OR SEALING ANY WALL, FLOOR OR ROOF PENETRATIONS FOR ENGINEERING REVIEW AND APPROVAL.
- 26. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.
- 27. THE CONTRACTOR SHALL PROTECT AT HIS OWN EXPENSE, ALL EXISTING FACILITIES AND SUCH OF HIS NEW WORK LIABLE TO INJURY DURING THE CONSTRUCTION PERIOD. ANY DAMAGE CAUSED BY NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS REPRESENTATIVES, OR BY THE ELEMENTS DUE TO NEGLECT ON THE PART OF THIS CONTRACTOR OR HIS

- REPRESENTATIVES, EITHER TO THE EXISTING WORK, OR TO HIS WORK OR THE WORK OF ANY OTHER CONTRACTOR, SHALL BE REPAIRED AT HIS EXPENSE TO THE OWNER'S SATISFACTION.
- 28. ALL WORK SHALL BE INSTALLED IN A FIRST CLASS, NEAT AND WORKMANLIKE MANNER BY MECHANICS SKILLED IN THE TRADE INVOLVED. THE QUALITY OF WORKMANSHIP SHALL BE SUBJECT TO THE APPROVAL OF THE ATC CM. ANY WORK FOUND BY THE ATC CM TO BE OF INFERIOR QUALITY AND/OR WORKMANSHIP SHALL BE REPLACED AND/OR REWORKED AT CONTRACTOR EXPENSE UNTIL APPROVAL IS OBTAINED.
- 29. IN ORDER TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE, ALL TYPES OF MATERIALS LISTED HEREINAFTER BY MANUFACTURER'S NAMES AND/OR MANUFACTURER'S CATALOG NUMBER SHALL BE PROVIDED BY THESE MANUFACTURERS AS SPECIFIED.

CONCRETE AND REINFORCING STEEL NOTES:

- DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
- 2. MIX DESIGN SHALL BE APPROVED BY ATC CM PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A SLUMP RANGE OF 3-5" AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.
- 4. THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT: ASTM C150, TYPE 2

REINFORCEMENT: ASTM A185, PLAIN STEEL WELDED WIRE FABRIC

REINFORCEMENT BARS: ASTM A615, GRADE 60, DEFORMED

NORMAL WEIGHT AGGREGATE: ASTM C33
WATER: ASTM C 94/C 94M

ADMIXTURES

-WATER-REDUCING AGENT: ASTM C 494/C 494M, TYPE A

-AIR-ENTERING AGENT: ASTM C 260/C 260M

-SUPERPLASTICIZER: ASTM C494, TYPE F OR TYPE G

- -RETARDING: ASTM C 494/C 494M, TYPE B

 5. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE NO LESS THAN 3"
- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.
- 7. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ATC CM APPROVAL WHEN DRILLING HOLES IN CONCRETE.
- ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN "METHOD 1" OF ACI 301.
- 9. DO NOT WELD OR TACK WELD REINFORCING STEEL.
- ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- 11. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- 12. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
- DO NOT ALLOW REINFORCEMENT, CONCRETE OR SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 3 DAYS AFTER PLACEMENT.
- 14. FOR COLD-WEATHER(ACI 306) AND HOT-WEATHER(ACI 301M) CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINIMUM.
- 15. ALL CONCRETE SHALL HAVE A "SMOOTH FORM FINISH."
- 16. UNLESS OTHERWISE NOTED:
 - ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615/A 615M/A-996, GRADE 60.
 - B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 17. SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.
- 18. REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICED LENGTHS SHOWN IN THE

- DRAWINGS. APPLY APPROPRIATE MODIFICATION FACTORS FOR TOP STEEL, BAR SPACING, COVER AND THE LIKE.
- 19. DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
- 10. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.
- 21. LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL PLACEMENT DRAWINGS.
- 2. SPLICES OF WWF, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 6".
- BAR SUPPORTS SHALL BE ALL-GALVINIZED METAL WITH PLASTIC TIPS.
- 4. ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. TIE WIRE SHALL BE OF SUFFICIENT STRENGTH FOR INTENDED PURPOSE. BUT NOT LESS THAN NO. 18 GAUGE.
- 25 SLAB ON GROUND:
 - A. COMPACT SUBGRADE AND ENSURE THERE IS PLACE 6" GRAVEL BENEATH SLAB.
 - B. PROVIDE VAPOR BARRIER BENEATH SLAB ON GROUND.

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:
 - A. ASTM A-572, GRADE 50 ALL W SHAPES, UNLESS NOTED OR A992 OTHERWISE
 - B. ASTM A-36 ALL OTHER ROLLED SHAPES, PLATES AND BARS UNLESS NOTED OTHERWISE.
 - C. ASTM A-500, GRADE B HSS SECTION (SQUARE, RECTANGULAR, AND ROUND)
 - D ASTM A-325 TYPE SC OR N ALL BOLTS FOR CONNECTING STRUCTURAL MEMBERS
 - E. ASTM F-1554 07 ALL ANCHOR BOLTS, UNLESS NOTED OTHERWISE
- ALL EXPOSED STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A123. EXPOSED STEEL HARDWARE AND ANCHOR BOLTS SHALL BE GALVANIZED PER ASTM A153 OR B695
- 4. ALL FIELD CUT SURFACES, FIELD DRILLED HOLES AND GROUND SURFACES WHERE EXISTING PAINT OR GALVANIZATION REMOVAL WAS REQUIRED SHALL BE REPAIRED WITH (2) BRUSHED COATS OF ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS
- DO NOT DRILL HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
- 6. CONNECTIONS
 - A. ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
 - B. ALL WELDS SHALL BE INSPECTED VISUALLY. 25% OF WELDS SHALL BE INSPECTED WITH DYE PENETRANT OR MAGNETIC PARTICLE TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
 - C. INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
 - D. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE BURNING/WELDING PERMITS AS REQUIRED BY LOCAL GOVERNING AUTHORITY AND IF REQUIRED SHALL HAVE FIRE DEPARTMENT DETAIL FOR ANY WELDING ACTIVITY.
 - E. ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
 - F. MINIMUM WELD SIZE TO BE 0.1875 INCH FILLET WELDS, UNLESS NOTED OTHERWISE.
 - G. PRIOR TO FIELD WELDING GALVANIZING MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING ½" BEYOND ALL FIELD WELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVILITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.



AMERICAN TOWER®

A.T. ENGINEERING SERVICE, PLLC
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SUITE 100

CARY, NC 27518

PHONE: (919) 468-0112

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FOR CONSTRUCTION MG 01/08/19		REV.	DESCRIPTION	BY	DATE
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ATC SITE NUMBER

88009

ATC SITE NAME:

CORNWALL CT

SITE ADDRESS: 36 TOOMEY RD CORNWALL, CT 06759

SEAL:

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 DRAWN BY:
 MG

 APPROVED BY:
 PPB

 DATE DRAWN:
 01/08/19

 ATC JOB NO:
 12643567

GENERAL NOTES

SHEET NUMBER

G-002

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REVISION

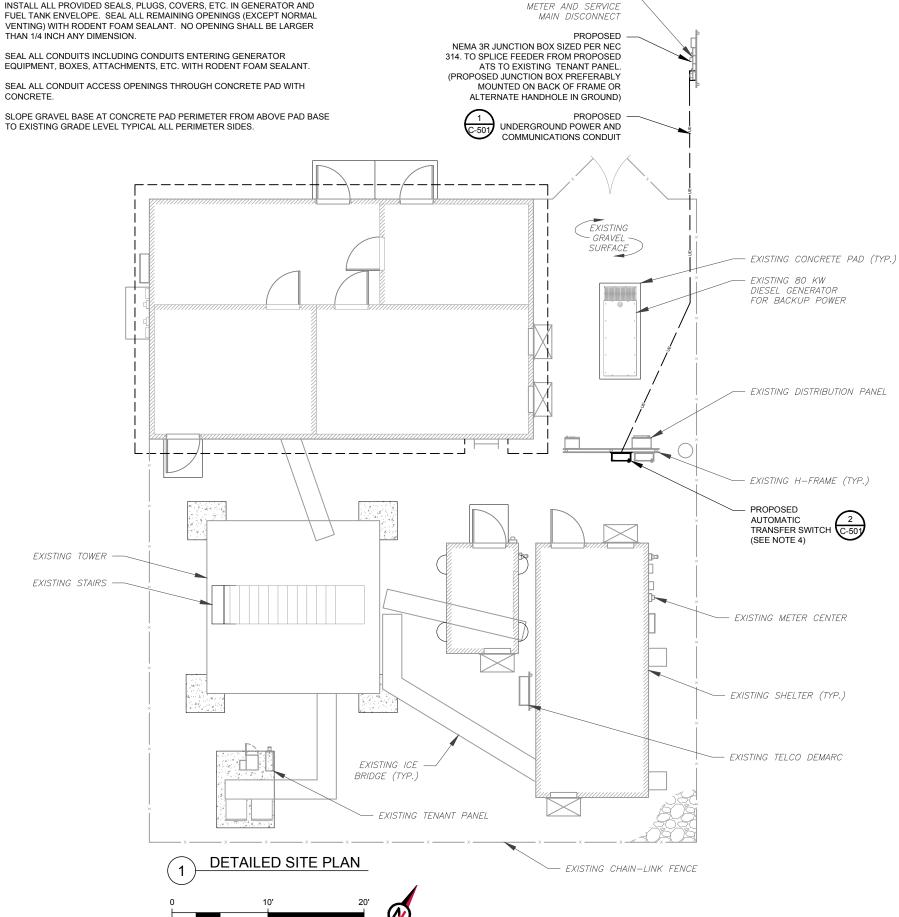
SITE PLAN NOTES:

- THIS SITE PLAN REPRESENTS THE BEST PRESENT KNOWLEDGE AVAILABLE TO THE ENGINEER AT THE TIME OF THIS DESIGN. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION AND VERIEY ALL EXISTING CONDITIONS RELATED TO THE SCOPE OF WORK FOR THIS PROJECT
- ICE BRIDGE, CABLE LADDER, COAX PORT, AND COAX CABLE ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL PROPOSED AND EXISTING EQUIPMENT AND STRUCTURES DEPICTED ON THIS PLAN. BEFORE UTILIZING EXISTING CABLE SUPPORTS, COAX PORTS, INSTALLING NEW PORTS OR ANY OTHER EQUIPMENT, CONTRACTOR SHALL VERIFY ALL ASPECTS OF THE COMPONENTS MEET THE ATC SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE ATC CONSTRUCTION MANAGER AND LOCAL UTILITY COMPANY FOR THE INSTALLATION OF CONDUITS, CONDUCTORS, BREAKERS, DISCONNECTS, OR ANY OTHER EQUIPMENT REQUIRED FOR ELECTRICAL SERVICE. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF THE STATE AND NATIONAL CODES, ORDINANCES AND REGULATIONS APPLICABLE TO THIS PROJECT
- CONTRACTOR SHALL INSURE THAT ALL WORKING SPACE REQUIREMENTS ARE MET PER APPLICABLE CODES AND MANUFACTURER SPECIFICATIONS.
- ABOVE GROUND CONDUITS NEED TO BE SUPPORTED/FASTENED PER NEC 344 AND PER ATC MASTER SPECIFICATIONS
- THE FOLLOWING SIGNS SHALL BE INSTALLED AT TENANT SERVICE MAIN DISCONNECT PER NEC 702.7.
- "CAUTION: TWO SOURCES OF SUPPLY STANDBY GENERATOR LOCATED
- "WARNING: SHOCK HAZARD EXISTS IF GROUNDING ELECTRODE 6.2. CONDUCTOR OR BONDING JUMPER CONNECTION IN THIS EQUIPMENT IS REMOVED WHILE ALTERNATE SOURCE IS ENERGIZED"

RODENT CONTROL AROUND GENERATOR ENVELOPE:

- INSTALL ALL PROVIDED SEALS, PLUGS, COVERS, ETC. IN GENERATOR AND FUEL TANK ENVELOPE. SEAL ALL REMAINING OPENINGS (EXCEPT NORMAL VENTING) WITH RODENT FOAM SEALANT. NO OPENING SHALL BE LARGER THAN 1/4 INCH ANY DIMENSION.
- EQUIPMENT, BOXES, ATTACHMENTS, ETC. WITH RODENT FOAM SEALANT.
- 4. SLOPE GRAVEL BASE AT CONCRETE PAD PERIMETER FROM ABOVE PAD BASE

SCALE: 1"=10' (11X17) 1"=5' (22X34)



APPROXIMATE TRENCH LENGTHS

40' LINEAR DISTANCE FROM STANDBY GENERATOR TO POWER SOURCE



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ATC SITE NUMBER:

88009

ATC SITE NAME:

CORNWALL CT

SITE ADDRESS: 36 TOOMEY RD CORNWALL, CT 06759

SEAL:

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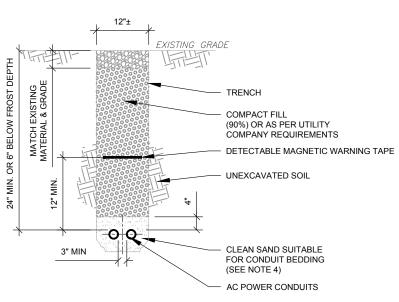
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SITE PLAN

SHEET NUMBER:

C-101

REVISION:

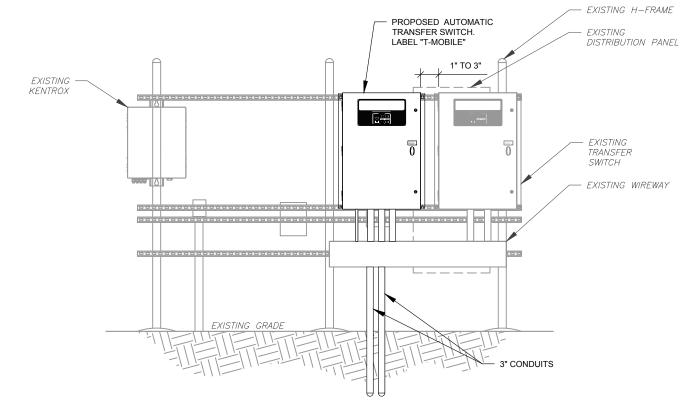


TRENCH NOTES:

- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL. IF NOT, PROVIDE CLEAN, COMPACTIBLE
- COMPACT IN 8" LIFTS USING A MECHANICAL PLATE TAMPER, MIN 3 PASSES.
 REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY
 LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING. SEE ATC MASTER SPEC 312000 SECTION 3.15.
- IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
- CONFIRM SPACING AND DEPTH WITH NEC OR LOCAL CODE REQUIREMENTS







H-FRAME NOTES:

- IF IT IS NECESSARY TO EXTEND THE H-FRAME, AN ADDITIONAL POST SHALL BE REQUIRED. PROPOSED UNISTRUTS TO BE FIELD CUT AND SHALL NOT EXTEND MORE THAN 6 INCHES BEYOND THE LAST POST.
- SPRAY ENDS OF UNISTRUT WITH COLD GALVANIZING SPRAY PAINT, ALLOW TO DRY, THEN COVER WITH RUBBER PROTECTIVE CAPS FOR SAFETY.
- UNISTRUT TO BE CUT FLUSH WITH NO SHARP OR JAGGED EDGES.
- ALL PROPOSED HARDWARE TO BE MOUNTED AND GROUNDED PER MANUFACTURERS SPECS
- ALL ITEMS ARE PROPOSED UNLESS OTHERWISE NOTED.
- LAYOUT H-FRAME & PROPOSED EQUIPMENT EXACTLY AS SHOWN TO ALLOW FOR FUTURE EQUIPMENT. ANY
- DEVIATIONS MUST BE APPROVED BY ATC CM, IN WRITING, NO EXCEPTIONS. FOOTINGS SHALL BE ONE OF THE FOLLOWING: USS POLECRETE STABILIZER SYSTEM, PRECAST CONCRETE (WHERE ALLOWED BY JURISDICTION) OR CAST IN PLACE. FOR PRECAST FOOTINGS, CONTRACTORS SHALL THOROUGHLY COMPACT THE PERIMETER (2' MIN) OF FOOTING WITH MECHANICAL PLATE TAMPER.





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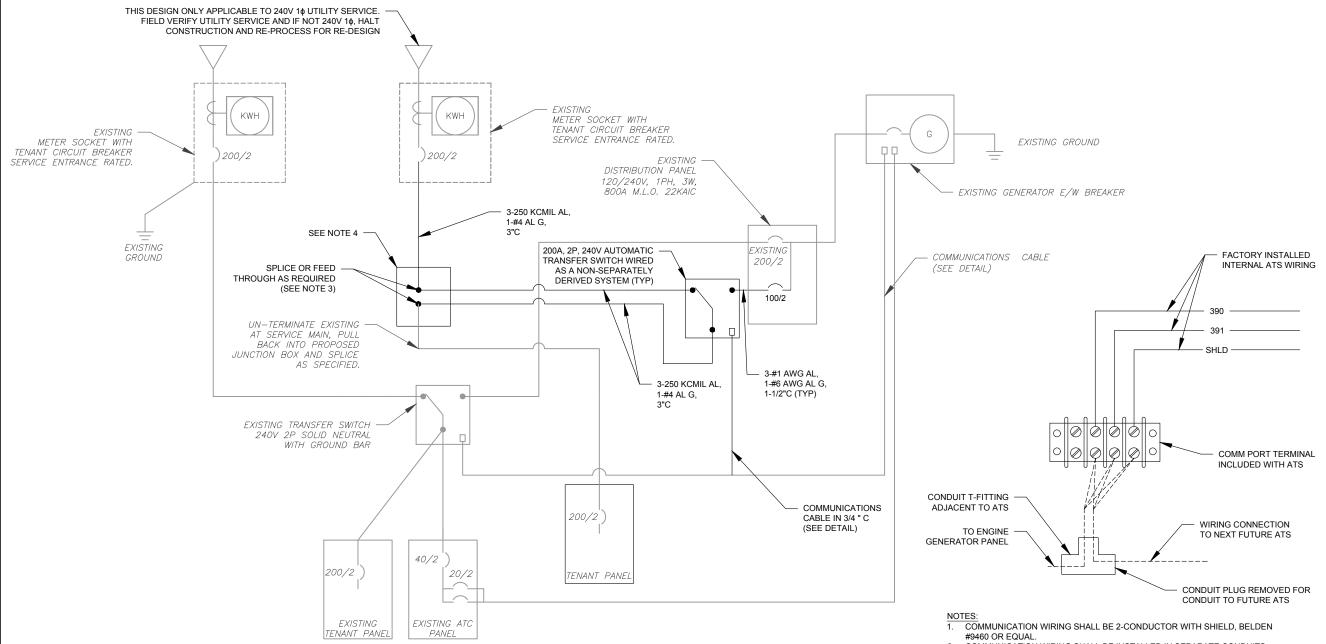
> TRENCHING AND H-FRAME DETAILS

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REVISION

C-501

EXISTING H-FRAME



ONE-LINE NOTES:

- CONNECT CT'S PER HTS OWNERS MANUAL-SECTION 3.11.2 INSTRUMENT PACKAGE
- SPLICE WITH "POLARIS" TAPS OR APPROVED EQUAL, SECURELY WRAPPED WITH COMMERCIAL GRADE NYLON ELECTRICAL TAPE AFTER INSTALLATION IS
- 3. UTILIZE EXISTING ENCLOSURES FOR SPLICING (PER NEC 312.8) OR INSTALL NEW JUNCTION BOX AS APPLICABLE PER SITE CONDITIONS AND CODES. SIZE JUNCTION BOX AS PER NEC 314.28
- 4. IF TAPPING AT TENANT EQUIPMENT, NO TAPS MAY BE MADE WITHIN THEIR EXISTING EQUIPMENT, INCLUDING PPC.

ELECTRICAL ONE-LINE DIAGRAM SCALE: NOT TO SCALE

- 2. COMMUNICATION WIRING SHALL BE INSTALLED IN SEPARATE CONDUITS FROM AC POWER AND CONTROL.
- CONNECT SHIELD, SHLD, AT EACH ATS, BUT DO NOT CONNECT THE SHIELD AT THE ENGINE GENERATOR.
- 4. SET DIP SWITCHES IN ATS AS FOLLOWS, OR AS SUPERSEDED BY THE ATS INSTALLATION MANUAL:
- a. DIP SWITCH 1
- 1) SWITCHES 1-3 AS PER INSTALLATION MANUAL PER VOLTAGE/PHASE
- SWITCH 6 ON FOR 3-PHASE, OFF FOR 1-PHASE.
- SWITCH 7-8 TO ESTABLISH THE MODBUS ADDRESS OF THE ATS PER INSTALLATION MANUAL. 1ST ATS SHALL BE MODBUS ADDRESS 240, 2ND ADDRESS 241, 3RD ADDRESS 242, AND 4TH ADDRESS 243.
- b DIP SWITCH 2
- SWITCH 1 ON FOR 60 HZ SYSTEM.
- SWITCHES 2-6 NO FUNCTION.
- SWITCHES 7-8 OFF-OFF FOR 4800 BAUD RATE.





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DRAWN BY: MG APPROVED BY: PPR DATE DRAWN: 01/08/19 ATC JOB NO: 12643567

ELECTRICAL ONE-LINE

SHEET NUMBER:

REVISION E-601

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From: TrackingUpdates@fedex.com
Sent: Monday, March 04, 2019 10:43 AM

To: David Hoogasian

Subject: FedEx Shipment 774565816334 Delivered

Your package has been delivered

Tracking # 774565816334

Ship date:

Thu, 2/28/2019

David Hoogasian

NB+C

CHELMSFORD, MA 01824

US



Delivery date:

Mon, 3/4/2019 10:37

am

David Colbert

26 Pine Street CORNWALL, CT 06753

US

Shipment Facts

Tracking number:	774565816334
Status:	Delivered: 03/04/2019 10:37 AM Signed for By: V.DEAVENA
Reference:	100510
Signed for by:	V.DEAVENA
Delivery location:	CORNWALL, CT
Delivered to:	Receptionist/Front Desk
Service type:	FedEx 2Day®
Packaging type:	FedEx® Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Adult Signature Required
	Deliver Weekday
Standard transit:	3/4/2019 by 4:30 pm



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From: TrackingUpdates@fedex.com
Sent: Monday, March 04, 2019 10:44 AM

To: David Hoogasian

Subject: FedEx Shipment 774565712027 Delivered

Your package has been delivered

Tracking # 774565712027

Ship date:

Thu, 2/28/2019

David Hoogasian

NB+C

CHELMSFORD, MA 01824

US



Delivery date:

Mon, 3/4/2019 10:40

am

Gordon M. Ridgway, First

Selectman

26 Pine Street

CORNWALL, CT 06753

US

Shipment Facts

Tracking number:	<u>774565712027</u>
Status:	Delivered: 03/04/2019 10:40 AM Signed for By: G.HART
Reference:	100510
Signed for by:	G.HART
Delivery location:	CORNWALL, CT
Delivered to:	Receptionist/Front Desk
Service type:	FedEx 2Day®
Packaging type:	FedEx® Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Adult Signature Required
	Deliver Weekday
Standard transit:	3/4/2019 by 4:30 pm



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All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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From: TrackingUpdates@fedex.com
Sent: Monday, March 04, 2019 10:07 AM

To: David Hoogasian

Subject: FedEx Shipment 774565861750 Delivered

Your package has been delivered

Tracking # 774565861750

Ship date:

Thu, 2/28/2019

David Hoogasian

NB+C

CHELMSFORD, MA 01824

US



Delivery date:

Mon, 3/4/2019 10:04

am

State of Connecticut

79 Elm Street

HARTFORD, CT 06134

US

Shipment Facts

Tracking number:	774565861750
Status:	Delivered: 03/04/2019 10:04 AM Signed for By: M.FERRARI
Reference:	100510
Signed for by:	<u>M.FERRARI</u>
Delivery location:	HARTFORD, CT
Delivered to:	Receptionist/Front Desk
Service type:	FedEx 2Day®
Packaging type:	FedEx® Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Adult Signature Required
	Deliver Weekday
Standard transit:	3/4/2019 by 4:30 pm



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David Hoogasian

From: TrackingUpdates@fedex.com
Sent: Friday, March 01, 2019 9:59 AM

To: David Hoogasian

Subject: FedEx Shipment 774552005791 Delivered

Your package has been delivered

Tracking # 774552005791

Ship date:

Thu, 2/28/2019

David Hoogasian

NB+C

CHELMSFORD, MA 01824

US



Delivery date:

Fri, 3/1/2019 9:54 am

American Tower Corporation

American Tower Corporation

10 Presidential Way WOBURN, MA 01801

US

Shipment Facts

Tracking number:	774552005791
Status:	Delivered: 03/01/2019 09:54 AM Signed for By: P.ANCRI
Reference:	100510
Signed for by:	P.ANCRI
Delivery location:	WOBURN, MA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Standard Overnight®
Packaging type:	FedEx® Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Adult Signature Required
	Deliver Weekday
Standard transit:	3/1/2019 by 3:00 pm

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All weights are estimated.

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