

TOTALLY COMMITTED.

June 9, 2021

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

Notice of Exempt Modification Facility Address: 153 East Haddam Road, Salem, CT 06420 Facility Coordinates (N) 41.46846667, (W) -72.27329444

Dear Ms. Bachman,

American Tower (ATC) currently maintains an Existing Cellular Tower Facility (191' SST) at 153 East Haddam Road, Salem, CT 06420. The property is owned by American Tower. American Tower now intends to install an 80kw Generator within the leased, fenced ground space area of the facility. The purpose of the generator installation is to allow for a shared back up emergency power option for its current (and future) wireless carrier tenants.

Because this proposed generator is within the existing, approved compound space, and the applicant is NOT requesting expansion of ground space beyond the approved conditions, 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 Kevin T. Lyden, the First Selectman of the Town of Salem, Zoning Enforcement Officer Matt Allen, 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 is 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).

If you have any questions, I can be reached at mweber@nbcllc.com or 215.416.0363

Best Regards,

Margie Weber

Attachments

cc: Kevin T. Lyden, Town of Salem Matt Allen, Town of Salem American Tower (ATC)



LETTER OF AUTHORIZATION

ATC SITE # / NAME / PROJECT: 10027/ SALEM CT / ATC261475 SITE ADDRESS: 153 East Haddam Road, Salem, CT 06420-3903

APN: SALE-000005-000016-A000002

LICENSEE: T-MOBILE d/b/a T-MOBILE NORTHEAST LLC

I, Margaret Robinson, Senior Counsel for American Tower*, by and through its wholly owned subsidiary American Towers LLC, owner of the property and tower facility located at the address identified above (the "Tower Facility"), do hereby authorize T-MOBILE d/b/a T-MOBILE NORTHEAST LLC, its successors and assigns, and/or its agent, (collectively, the "Licensee") to act as American Tower's non-exclusive agent for the sole purpose of filing and consummating any land-use or building permit application(s) as may be required by the applicable permitting authorities for Licensee's telecommunications' installation.

We understand that this application may be denied, modified, or approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee's installation and any such conditions of approval or modifications will be Licensee's sole responsibility.

Signature:

Print Name: Margaret Robinson

Senior Counsel American Tower*

NOTARY BLOCK

Commonwealth of MASSACHUSETTS County of Middlesex

This instrument was acknowledged before me by Margaret Robinson, Senior Counsel for American Tower*, 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 executed the same.

WITNESS my hand and official seal, this 13th day of May, 2021.

NOTARY SEAL

GERARD T. HEFFRON

Notary Public

Commonwealth of Massachusetts

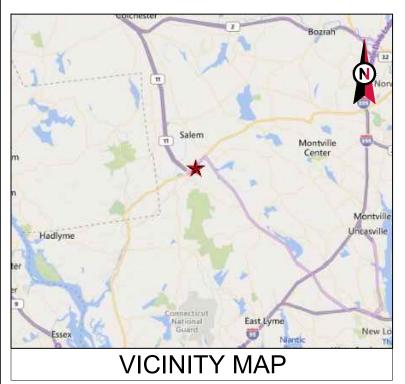
My Commission Expires

August 9, 2024

Notary Public

My Commission Expires: August 9, 2024

*American Tower includes all affiliates and subsidiaries of American Tower Corporation.





ATC SITE NAME: SALEM CT

SITE NUMBER: 10027

SITE ADDRESS: 153 EAST HADDAM ROAD

SALEM, CT 06420



LOCATION MAP

SHARED GENERATOR PROGRAM ANCHOR 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 OPTIONAL STANDBY GENERATOR SYSTEM, AUTOMATIC TRANSFER SWITCH, | SHEET NO: | DESCRIPTION: | REV: | DATE: | BY: |
| FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNMENT AUTHORITIES. NOTHING IN THESE PLANS IS | 153 EAST HADDAM ROAD SALEM. CT 06420 | GENERATOR AUXILIARY POWER DISTRIBUTION, AND REMOTE MONITORING COMMUNICATIONS CIRCUITRY FOR A | G-001 | TITLE SHEET | 0 | 05/25/21 | SB |
| TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES. | SE CODES | G-002 | GENERAL NOTES | 0 | 05/25/21 | SB | |
| INTERNATIONAL BUILDING CODE (IBC) | GEOGRAPHIC COORDINATES: | PROJECT NOTES | C-101 | SITE PLAN | 0 | 05/25/21 | SB |
| NATIONAL ELECTRIC CODE (NEC) LOCAL BUILDING CODE | LATITUDE: 41.46846667 LONGITUDE: -72.27329444 | | C-501 | CONCRETE PAD DETAILS | 0 | 05/25/21 | SB |
| LOCAL BUILDING CODE CITY/COUNTY ORDINANCES | GROUND ELEVATION: 356' AMSL | 1. THE FACILITY IS UNMANNED. | E-601 | ELECTRICAL ONE-LINE AND WIRING DETAILS | 0 | 05/25/21 | SB |
| | ZONING INFORMATION: | A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE. | R-601 | SUPPLEMENTAL | | | |
| | JURISDICTION: NEW LONDON PARCEL NUMBER: SALE-000005-000016-A000002 | 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: | | | | | | |
| | MICHAEL FLINT (843) 416-7168 | | | | | | |
| UTILITY COMPANIES | ATC NETWORK OPERATIONS CENTER: (877) 518-6937 | | | | | | |
| POWER COMPANY: EVERSOURCE | TOWER OWNER: | | | | | | |
| PHONE: (877) 659-6326 | AMERICAN TOWER | PROJECT LOCATION DIRECTIONS | | | | | |
| TELEPHONE COMPANY: FRONTIER COMMUNICATIONS PHONE: (800) 376-6843 | 10 PRESIDENTIAL WAY WOBURN, MA 01801 | | | | | | |
| ~~~ | PROPERTY OWNER: | | | | | | |
| 211 | AMERICAN TOWER 10 PRESIDENTIAL WAY | FROM I-395 W (NORWICH ROAD). GO THROUGH THE | | | | | |
| | WOBURN, MA 01801 | INTERSECTION OF RT. 85 (HARTFORD RD./NEW LONDON RD.). PASS SHINGLE MILL RD AFTER PASSING GETTY GRANITE ON | | | | | |
| | ENGINEERED BY: | YOUR RIGHT, THE TOWER WILL BE ON YOUR LEFT. | | | | | |
| Know what's below . | ATC TOWER SERVICES 3500 REGENCY PARKWAY SUITE 100 | | | | | | |
| Call before you dig. | CARY, NC 27518 | | | | | | |



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 VERIEY 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 |
|-----------------------|------------------|----|----------|
| \triangle_{-} | FOR CONSTRUCTION | SB | 05/25/21 |
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ATC SITE NUMBER:

10027

ATC SITE NAME:

SALEM CT

SITE ADDRESS: 153 EAST HADDAM ROAD SALEM, CT 06420

SEAL:



T··Mobile

| DRAWN BY: | SB |
|--------------|-------------|
| APPROVED BY: | PB |
| DATE DRAWN: | 05/25/21 |
| ATC JOB NO: | 13656627_M4 |

TITLE SHEET

SHEET NUMBER

REVISION:

G-001

0

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 CONSTRUCTION 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.
- 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.
- 20. 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.
- 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".
- 6. 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.
- 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.
- 13. 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).
- 20. ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS. UNLESS SHOWN IN THE CONTRACT DRAWINGS.
- 11. 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.
- 24. 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.



A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY SUITE 100 CARY, NC 27518

PHONE: (919) 468-0112

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| REV. | DESCRIPTION | BY | DATE |
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| <u> </u> | FOR CONSTRUCTION | SB | 05/25/21 |
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ATC SITE NUMBER

10027

ATC SITE NAME

SALEM CT

SITE ADDRESS: 153 EAST HADDAM ROAD SALEM, CT 06420

SEAL:



T · · Mobile ·

DRAWN BY: SB

APPROVED BY: PB

DATE DRAWN: 05/25/21

ATC JOB NO: 13656627_M4

GENERAL NOTES

SHEET NUMBER

G-002

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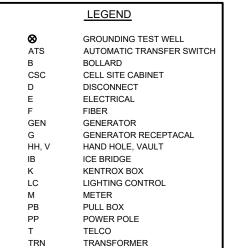
REVISION

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 VERIFY 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, NEC 352, AND PER ATC CONSTRUCTION SPECIFICATIONS.
- THE FOLLOWING SIGNS SHALL BE INSTALLED AT TENANT SERVICE MAIN DISCONNECT PER NEC 702.7.
- 6.1. "CAUTION: TWO SOURCES OF SUPPLY STANDBY GENERATOR LOCATED
- "WARNING: SHOCK HAZARD EXISTS IF GROUNDING FLECTRODE CONDUCTOR 6.2. 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
- SEAL ALL CONDUITS INCLUDING CONDUITS ENTERING GENERATOR EQUIPMENT, BOXES, ATTACHMENTS, ETC. WITH RODENT FOAM SEALANT.
- SEAL ALL CONDUIT ACCESS OPENINGS THROUGH CONCRETE PAD WITH CONCRETE
- SLOPE GRAVEL BASE AT CONCRETE PAD PERIMETER FROM ABOVE PAD BASE TO EXISTING GRADE LEVEL TYPICAL ALL PERIMETER SIDES.



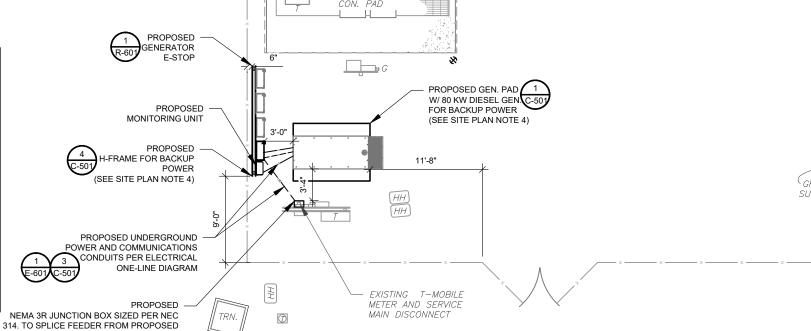
CHAINI INK FENCE

APPROXIMATE TRENCH DISTANCES

8' POWER CONDUIT TRENCH

ATS TO EXISTING TENANT PANEL (PROPOSED JUNCTION BOX PREFERABLY

MOUNTED ON BACK OF FRAME OR ALTERNATE HANDHOLE IN GROUND)



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

T-MOBILE EXISTING 6' X 10' GROUND SPACE IR 10' X 20' SHELTER EXISTING -MOBILE *LATTICE* PANEL TOWER 31'-10" X 31'-10" CON. PAD !0'-0" X 19'-8" CON. PAD **DETAILED SITE PLAN**



AMERICAN TOWER A.T. ENGINEERING SERVICE, PLLC 3500 REGENCY PARKWAY

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

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ATC SITE NUMBER:

10027

ATC SITE NAME:

SALEM CT

SITE ADDRESS: 153 EAST HADDAM ROAD SALEM. CT 06420



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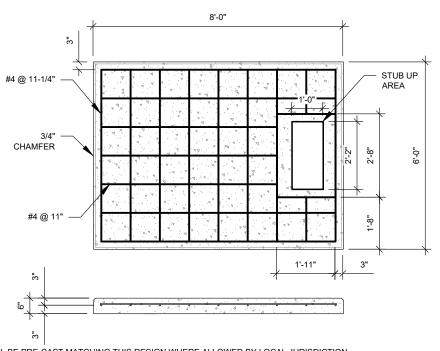
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SITE PLAN

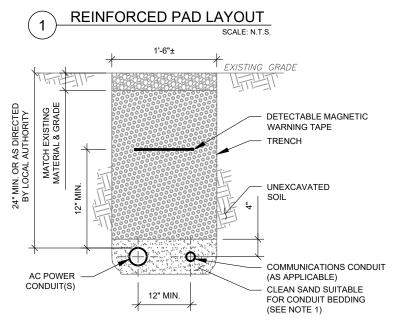
SHEET NUMBER:

C-101

REVISION



- 1. PADS SHALL BE PRE-CAST MATCHING THIS DESIGN WHERE ALLOWED BY LOCAL JURISDICTION.
- PADS SHALL HAVE A MIN 28 DAY COMPRESSIVE STRENGTH AS SPECIFIED ON G-002. CONCRETE AND REINFORCING STEEL NOTES #3
- REFER TO CONCRETE & REINFORCED STEEL NOTES ON SHEET G-002 & ATC CONSTRUCTION SPECIFICATION 033000 FOR
- STUB UP AREA SHALL BE FILLED WITH QUIKRETE, OR APPROVED EQUAL, PRIOR TO FINAL SET OF GENERATOR ON PAD.
- AFTER FINAL SET OF GENERATOR ON PAD, GROUT ALL EXTERIOR OPENINGS AT PAD INTERFACE SO THAT FINISHED MAXIMUM
- 6. GROUT SHALL BE PER ATC CONSTRUCTION SPECIFICATION DIVISION 03, CONCRETE.



TRENCH NOTES:

PAD NOTES:

- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL. IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL.
- 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 CONSTRUCTION SPECIFICATION 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



GROUND CONDUCTOR

CONDUCTOR LOOP

TO GROUNDING

FLECTRODE

UNISTRUT PIPE/CONDUIT CLAMP P1119 OR P2558-35 (GALV.) (TYP.) FOLLOW MANÚFACTURER

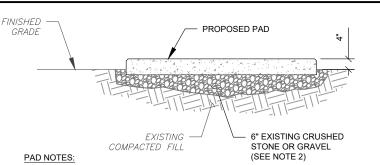
RECOMMENDATIONS FOR BOLT TORQUE

H-FRAME NOTES:

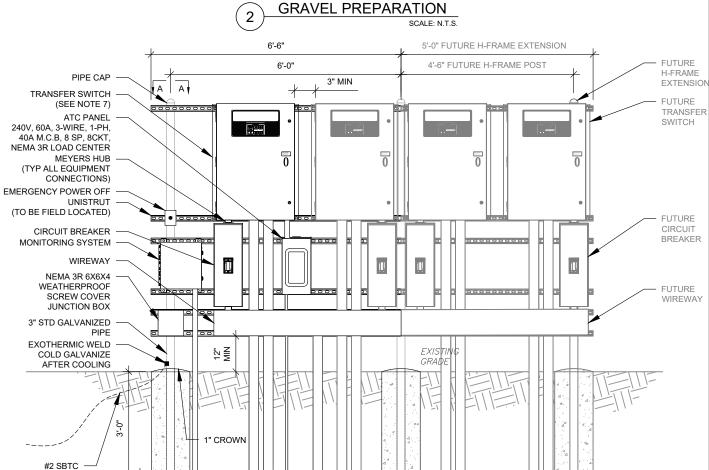
1'-0"

- IF IT IS NECESSARY TO EXTEND THE H-FRAME, AN ADDITIONAL POST SHALL BE REQUIRED.
- SPRAY ENDS OF UNISTRUT WITH COLD GALVANIZING SPRAY PAINT, ALLOW TO DRY, THEN COVER WITH RUBBER
- 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
- 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





- SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. DELETRIOUS MATERIAL AND ORGANICS SHALL BE REMOVED.
- MECHANICALLY COMPACT FOOTPRINT OF PAD PLUS 2' PERIMETER USING A MECHANICAL PLATE TAMPER, MIN 3 PASSES. SEE ATC CONSTRUCTION SPECIFICATION 312000 ACCESS ROAD AND EARTH WORK
- 3. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR
- FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENT, SEE EQUIPMENT VENDOR DRAWINGS.



- PROPOSED UNISTRUTS TO BE FIELD CUT AND SHALL NOT EXTEND MORE THAN 6 INCHES BEYOND THE LAST POST. PROTECTIVE CAPS FOR SAFETY.
- UNISTRUT TO BE CUT FLUSH WITH NO SHARP OR JAGGED EDGES.

12"Ø CONCRETE FOOTING

(PRE-CAST WHERE ALLOWED

- DEVIATIONS MUST BE APPROVED BY ATC CM, IN WRITING, NO EXCEPTIONS.
- COMPACT THE PERIMETER (2' MIN) OF FOOTING WITH MECHANICAL PLATE TAMPER.



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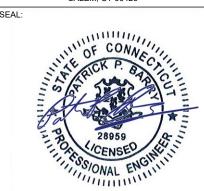
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> **CONCRETE PAD DETAILS**

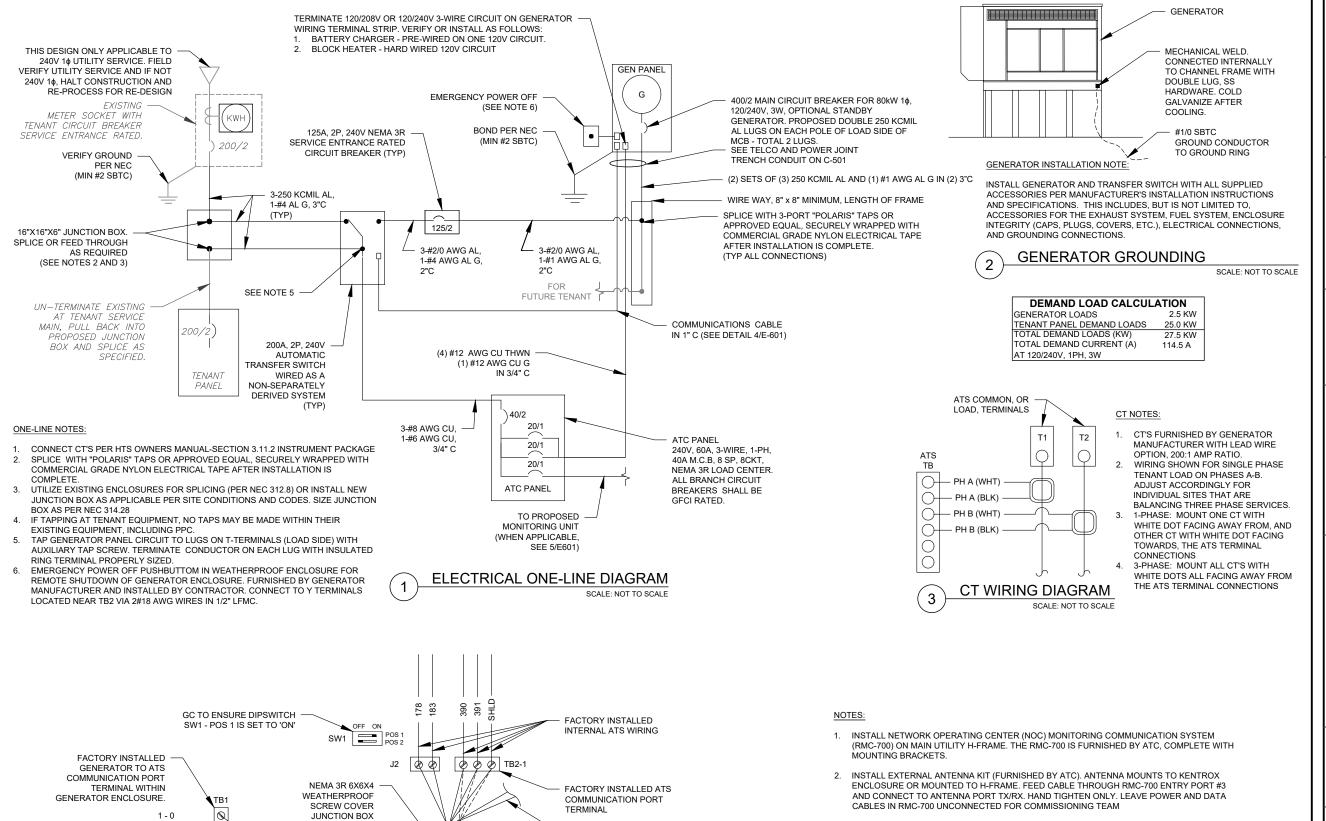
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REVISION



CONDUIT TRENCH DETAILS



CONNECT TO E-STOP BUTTON

MOUNTED ON ATS H-FRAME

WIRING CONNECTION TO NEXT FUTURE ATS

KNOCK OUT REMOVED FOR

CONDUIT TO FUTURE ATS

 BRANCH CIRCUIT WIRING FOR MONITORING DEVICE SHALL BE 2-#12 AWG CU, 1-#12 AWG CU G, IN 3/4" C.





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 PB

 DATE DRAWN:
 05/25/21

 ATC JOB NO:
 13656627_M4

ELECTRICAL ONE-LINE AND WIRING DETAILS

SHEET NUMBER

1 |

REVISION

E-601

COMMUNICATIONS CABLE DETAIL

SCALE: NOT TO SCALE

2 WIRE ENGINE START

2 WIRE E-STOP

TO GENERATOR PANEL. CONNECT PER

MANUFACTURER'S SPECIFICATIONS.
(DO NOT CONNECT "SHLD" AT GENERATOR)

2#18 AWG CU

2-#14 AWG CU

2 - 183

15A/220A

15A1/220A1

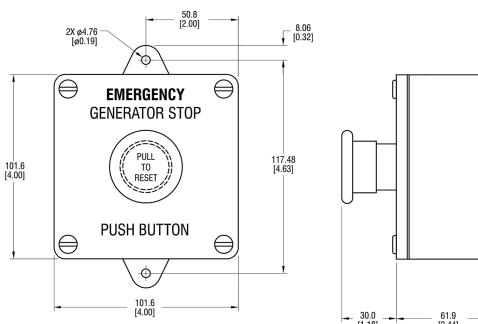
4 - 390/485+

5 - 391/485-6 - SHLD

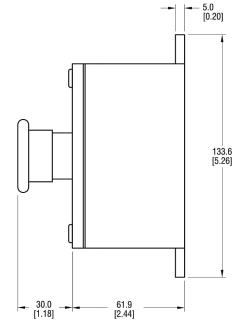
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GENERAC' | INDUSTRIAL

REMOTE EMERGENCY STOP SWITCH **SURFACE MOUNT, H-PANEL**



- MANUFACTURER: PILLA ELECTRICAL PRODUCTS, INC.
- MODEL SG120
- GENERAC PART NUMBER 061129E
- SURFACE MOUNT, NEMA 4X
- NONMETALLIC BACKBOX

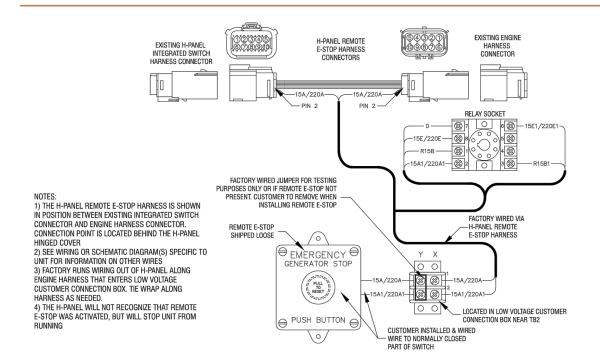


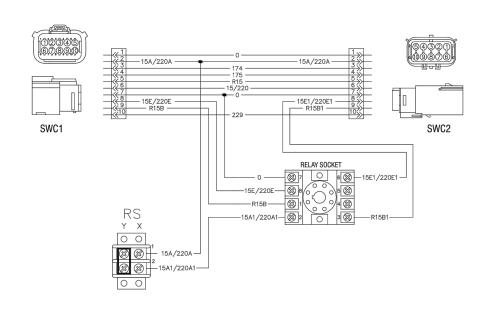
DIMENSIONS: mm[INCHES]

1 OF 2

GENERAC' | INDUSTRIAL

REMOTE EMERGENCY STOP SWITCH **SURFACE MOUNT, H-PANEL**





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Part No. 0L6260 Rev A 10/15/15

GENSET CONTROLS

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SUPPLEMENTAL

SHEET NUMBER:

R-601

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REVISION

E-STOP SWITCH

STANDBY POWER RATING

80 kW, 100 kVA, 60 Hz

PRIME POWER RATING*

72 kW, 90 kVA, 60 Hz





*Built in the USA using domestic and foreign parts

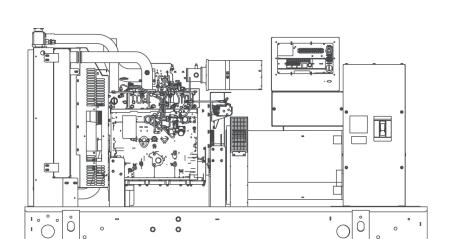


Image used for illustration purposes only

CODES AND STANDARDS

Generac products are designed to the following standards:



UL2200, UL508, UL142, UL498



NFPA70, 99, 110, 37



NEC700, 701, 702, 708



ISO9001, 8528, 3046, 7637, Pluses #2b, 4



NEMA ICS10, MG1, 250, ICS6, AB1



ANSI C62.41

POWERING AHEAD

For over 50 years, Generac has led the industry with innovative design and superior manufacturing.

Generac ensures superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac's gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally to ensure the most reliable engines power our generators. We choose only engines that have already been proven in heavy-duty industrial application under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

^{*}EPA Certified Prime ratings are not available in the U.S. or its Territories.

^{**}Certain options or customization may not hold certification valid.

SD080 | 4.5L | 80 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

General

- · Oil Drain Extension
- Air Cleaner
- · Fan Guard
- · Stainless Steel flexible exhaust connection
- · Critical Exhaust Silencer (enclosed only)
- · Factory Filled Oil
- · Radiator Duct Adapter (open set only)

Fuel System

- · Fuel lockoff solenoid
- · Primary fuel filter

Cooling System

- · Closed Coolant Recovery System
- · UV/Ozone resistant hoses
- · Factory-Installed Radiator
- · Radiator Drain Extension
- 50/50 Ethylene glycol antifreeze
- 120 VAC Coolant Heater

Engine Electrical System

- · Battery charging alternator
- Battery cables
- · Battery tray
- · Solenoid activated starter motor
- Rubber-booted engine electrical connections

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 leads (3-phase, non 600 V)
- · Class H insulation material
- Vented rotor
- 2/3 pitch
- · Skewed stator
- · Auxiliary voltage regulator power winding
- · Amortisseur winding
- Brushless Excitation
- · Sealed Bearings
- Automated manufacturing (winding, insertion, lacing, varnishing)
- Rotor dynamically spin balanced
- · Full load capacity alternator
- · Protective thermal switch

GENERATOR SET

- · Internal Genset Vibration Isolation
- · Separation of circuits high/low voltage
- · Separation of circuits multiple breakers
- · Silencer Heat Shield
- · Wrapped Exhaust Piping
- · Silencer housed in discharge hood (enclosed only)
- · Standard Factory Testing
- · 2 Year Limited Warranty (Standby rated Units)
- 1 Year Limited Warranty (Prime rated Units)
- · Silencer mounted in the discharge hood (enclosed only)

ENCLOSURE (IF SELECTED)

- Rust-proof fasteners with nylon washers to protect finish
- · High performance sound-absorbing material
- · Gasketed doors
- · Stamped air-intake louvers
- · Air discharge hoods for radiator-upward pointing
- · Stainless steel lift off door hinges
- · Stainless steel lockable handles
- Rhino Coat[™] Textured polyester powder coat

TANKS (IF SELECTED)

- UL 142
- · Double wall
- Vents
- Sloped top
- Sloped bottom
- · Factory pressure tested (2 psi)
- Rupture basin alarm
- Fuel level
- · Check valve in supply and return lines
- Rhino Coat[™]- Textured polyester powder coat
- Stainless hardware

CONTROL SYSTEM



Control Panel

- Digital H Control Panel Dual 4x20 Display
- · Programmable Crank Limiter
- 7-Day Programmable Exerciser
- · Special Applications Programmable PLC
- RS-232/485
- · All-Phase Sensing DVR
- · Full System Status
- · Utility Monitoring
- Low Fuel Pressure Indication
- 2-Wire Start Compatible
- · Power Output (kW)

- Power Factor
- kW Hours, Total & Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- · All Phase Currents
- Oil Pressure
- · Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- FrequencyDate/Time Fault History (Event Log)
- Isochronous Governor Control
- Waterproof/sealed Connectors
- Audible Alarms and Shutdowns
- Not in Auto (Flashing Light)Auto/Off/Manual Switch
- E-Stop (Red Mushroom-Type)
- NFPA110 Level I and II (Programmable)
- Customizable Alarms, Warnings, and Events
- Modbus protocol
- Predictive Maintenance algorithm
- Sealed Boards
- Password parameter adjustment protection

- Single point ground
- 15 channel data logging
- 0.2 msec high speed data logging
- Alarm information automatically comes up on the display

Alarms

- Oil Pressure (Pre-programmable Low Pressure Shutdown)
- Coolant Temperature (Pre-programmed High Temp Shutdown)
- Coolant Level (Pre-programmed Low Level Shutdown)
- Low Fuel Pressure Alarm
- Engine Speed (Pre-programmed Over speed Shutdown)
- Battery Voltage Warning
- Alarms & warnings time and date stamped
- Alarms & warnings for transient and steady state conditions
- Snap shots of key operation parameters during alarms & warnings
- Alarms and warnings spelled out (no alarm codes)

SD080

| 4.5L | 80 kW



INDUSTRIAL DIESEL GENERATOR SET

CONFIGURABLE OPTIONS

EPA Certified Stationary Emergency

ENGINE SYSTEM

General

- O Oil Heater
- O Industrial Exhaust Silencer

Fuel System

- O Flexible fuel lines
- O Primary fuel filter

Engine Electrical System

- O 10A UL battery charger
- O 2.5A UL battery charger
- O Battery Warmer

ALTERNATOR SYSTEM

- O Alternator Upsizing
- O Anti-Condensation Heater
- O Tropical coating
- O Permanent Magnet Excitation

ENGINEERED OPTIONS

ENGINE SYSTEM

- O Coolant heater ball valves
- O Block Heaters
- O Fluid containment pans

ALTERNATOR SYSTEM

O 3rd Breaker Systems

CONTROL SYSTEM

- O Spare inputs (x4) / outputs (x4) H Panel Only
- O Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- O Main Line Circuit Breaker
- O 2nd Main Line Circuit Breaker
- O Shunt Trip and Auxiliary Contact
- O Electronic Trip Breaker

GENERATOR SET

- O Gen-Link Communications Software (English Only)
- O IBC Seismic Certification
- O 8 Position Load Center
- O 2 Year Extended Warranty
- O 5 Year Warranty
- O 5 Year Extended Warranty

ENCLOSURE

- O Weather Protected
- O Level 1 Sound Attenuation
- O Level 2 Sound Attenuation
- O Steel Enclosure
- O Aluminum Enclosure
- O 150 MPH Wind Kit
- O 12 VDC Enclosure Lighting Kit
- O 120 VAC Enclosure Lighting Kit
- O AC/DC Enclosure Lighting Kit
- O Door Alarm Switch

TANKS (Size on last page)

- O Electrical Fuel Level
- O Mechanical Fuel Level
- O 8" Fill Extension
- O 13" Fill Extension
- O 19" Fill Extension

CONTROL SYSTEM

- O 21-Light Remote Annunciator
- O Remote Relay Panel (8 or 16)
- O Oil Temperature Sender with Indication Alarm
- O Remote E-Stop (Break Glass-Type, Surface Mount)
- O Remote E-Stop (Red Mushroom-Type, Surface Mount)
- O Remote E-Stop (Red Mushroom-Type, Flush Mount)
- O Remote Communication Modem
- O Remote Communication Ethernet
- O 10A Run Relay
- O Ground Fault Indication and Protection Functions

GENERATOR SET

O Special Testing

ENCLOSURE

- O Motorized Dampers
- O Door switched for intrusion alert
- O Enclosure ambient heaters

TANKS

- O Overfill Protection Valve
- O UL2085 Tank
- O ULC S-601 Tank
- O Stainless Steel Tank
- O Special Fuel Tanks (MIDEQ and FL DEP/DERM, etc.)
- O Vent Extensions

RATING DEFINITIONS

Standby - Applicable for a varying emergency load for the duration of a utility power outage with no overload capability.

Prime - Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. A 10% overload capacity is available for 1 out of every 12 hours. The Prime Power option is only available on International applications. Power ratings in accordance with ISO 8528-1, Second Edition

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

| ENGINE SPECIFICATIONS General | | Cooling System | |
|-------------------------------------|--------------------------|---------------------------------|---------------------------------|
| delleral | | Cooling System | |
| Make | Iveco/FPT | Cooling System Type | Closed |
| EPA Emissions Compliance | Stationary Emergency | Water Pump | Belt Driven Centrifugal |
| EPA Emissions Reference | See Emissions Data Sheet | Fan Type | Pusher |
| Cylinder # | 4 | Fan Speed (rpm) | 2538 |
| Туре | In-Line | Fan Diameter mm (in) | 660.4 (26) |
| Displacement - L (cu In) | 4.5 (274.6) | Coolant Heater Wattage | 1500 |
| Bore - mm (in) | 105 (4.1) | Coolant Heater Standard Voltage | 120 V /240 V |
| Stroke - mm (in) | 132 (5.2) | | |
| Compression Ratio | 17.5:1 | | |
| Intake Air Method | Turbocharged/Aftercooled | Fuel System | |
| Cylinder Head Type | 2 Valve | Fuel Type | Ultra Low Sulfur Diesel Fue |
| Piston Type | Aluminium | Fuel Specifications | ASTM |
| Crankshaft Type | Forged Steel | Fuel Filtering (microns) | 5 |
| | | Fuel Injection | Stanadyne |
| Engine Governing | | Fuel Pump Type | Engine Driven Gear |
| Governor | Electronic Isochronous | Injector Type | Mechanical |
| Frequency Regulation (Steady State) | +/- 0.25% | Fuel Supply Line mm (in) | 12.7 (0.5) NPT |
| | | Fuel Return Line mm (in) | 12.7 (0.5) NPT |
| Lubrication System | | | |
| Oil Pump Type | Gear | | |
| Oil Filter Type | Full Flow | Engine Electrical System | |
| Crankcase Capacity - L (qts) | 13.6 (14.4) | System Voltage | 12 VDC |
| | | Battery Charging Alternator | 20 A |
| | | Battery Size | See Battery Index 0161970SBY |
| | | Battery Voltage | 12 VDC |
| | | Ground Polarity | Negative |

ALTERNATOR SPECIFICATIONS

| Standard Model | 390 |
|-------------------------------------|-----------|
| Poles | 4 |
| Field Type | Revolving |
| Insulation Class - Rotor | Н |
| Insulation Class - Stator | Н |
| Total Harmonic Distortion | <3% |
| Telephone Interference Factor (TIF) | < 50 |

| Standard Excitation | Synchronous Brushless |
|------------------------------------|------------------------|
| Bearings | One-Pre Lubed & Sealed |
| Coupling | Direct, Flexible Disc |
| Load Capacity - Standby | 100% |
| Prototype Short Circuit Test | Yes |
| Voltage Regulator Type | Digital |
| Number of Sensed Phases | 3 |
| Regulation Accuracy (Steady State) | ±0.25% |

INDUSTRIAL DIESEL GENERATOR SET **EPA Certified Stationary Emergency**

OPERATING DATA

POWER RATINGS

| | Standby | | |
|---------------------------------|---------|-----------|--|
| Single-Phase 120/240 VAC @1.0pf | 80 kW | Amps: 333 | |
| Three-Phase 120/208 VAC @0.8pf | 80 kW | Amps: 278 | |
| Three-Phase 120/240 VAC @0.8pf | 80 kW | Amps: 241 | |
| Three-Phase 277/480 VAC @0.8pf | 80 kW | Amps: 120 | |
| Three-Phase 346/600 VAC @0.8pf | 80 kW | Amps: 96 | |

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

| 480 VAC | | | | | | 208/24 | 10 VAC | | | | | | |
|-------------------|-----------|-----|-----|-----|-----|--------|--------|-----|-----|-----|-----|-----|-----|
| <u>Alternator</u> | <u>kW</u> | 10% | 15% | 20% | 25% | 30% | 35% | 10% | 15% | 20% | 25% | 30% | 35% |
| Standard | 80 | 59 | 88 | 117 | 147 | 176 | 205 | 44 | 66 | 88 | 110 | 132 | 154 |
| Upsize 1 | 100 | 79 | 118 | 157 | 197 | 236 | 275 | 59 | 89 | 118 | 148 | 177 | 206 |
| Upsize 2 | 130 | 116 | 174 | 232 | 290 | 348 | 406 | 87 | 131 | 174 | 218 | 261 | 305 |

FUEL CONSUMPTION RATES*

Diesel - gal/hr (l/hr)

| Fuel Pump Lift - ft (m) | Percent Load | Standby |
|--|--------------|------------|
| 3 (1) | 25% | 2.1 (7.9) |
| | 50% | 3.7 (14.0) |
| Total Fuel Pump Flow (Combustion + Return) | 75% | 5.2 (19.7) |
| 13.6 gal/hr | 100% | 6.3 (23.8) |
| | | |

^{*} Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

| | | Standby |
|--|---------------------|--------------|
| Coolant Flow per Minute | gal/min (l/min) | 32.7 (123.8) |
| Coolant System Capacity | gal (L) | 4.5 (17.44) |
| Heat Rejection to Coolant | BTU/hr | 232,270 |
| Inlet Air | cfm (m³/hr) | 6360 (180) |
| Max. Operating Radiator Air Temp | Fo (Co) | 122 (50) |
| Max. Ambient Temperature (before derate) | Fo (Co) | 104 (40) |
| Maximum Radiator Backpressure | in H ₂ O | 0.5 |

COMBUSTION AIR REQUIREMENTS

| | | Standby |
|---------------------|--------------|------------|
| Flow at Rated Power | cfm (m³/min) | 306 (8.67) |

| ENGINE | | | EXHAUST | | |
|--------------------------|----------------|------------|-----------------------------------|--------------|-------------|
| | | Standby | | | Standby |
| Rated Engine Speed | rpm | 1800 | Exhaust Flow (Rated Output) | cfm (m³/min) | 782 (22.14) |
| Horsepower at Rated kW** | hp | 131 | Max. Backpressure (Post Silencer) | inHg (Kpa) | 1.5 (5.1) |
| Piston Speed | ft/min (m/min) | 1559 (475) | Exhaust Temp (Rated Output) | °F (°C) | 887 (475) |
| BMEP | psi | 210 | Exhaust Outlet Size (Open Set) | mm (in) | 76.2 (3.0) |

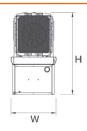
^{**} Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

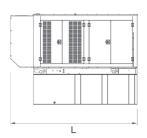
INDUSTRIAL DIESEL GENERATOR SET

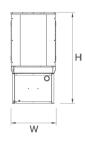
EPA Certified Stationary Emergency

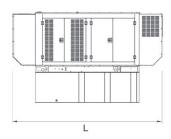
DIMENSIONS AND WEIGHTS*

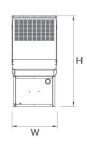


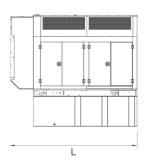


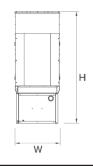












| YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER |
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| |
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| |
| |

OPEN SET

| RUN TIME HOURS | USABLE CAPACITY GAL (L) | L x W x H in (mm) | WT lbs (kg) - Tank & Open Set |
|-------------------|-------------------------------|--|-------------------------------|
| NO TANK | - | 93 (2362.2) x 40 (1016) x 49 (1244.6) | 2425 (1100) |
| 13 | 79 (299) | 93 (2362.2) x 40 (1016) x 62 (1574.8) | 2947 (1201) |
| 30 | 189 (715.4) | 93 (2362.2) x 40 (1016) x 74 (1879.6) | 3183 (1444) |
| 48 | 300 (1135.6) | 93 (2362.2) x 40 (1016) x 86 (2184.4) | 3407 (1545) |
| 56 | 350 (1325) | 110 (2794) x 40 (1016) x 86 (2184.4) | NA |
| 81 | 510 (1930.5) | 117 (2971.8) x 47 (1193.8) x 86 (2184.4) | 3790 (1719) |
| 93 | 589 (2229.6) | 128 (3251.2) x 49 (1244.6) x 86 (2184.4) | 4269 (1936) |

STANDARD ENCLOSURE

| RUN TIME | USABLE CAPACITY | L x W x H in (mm) | WT lbs (kg) - I | Enclosure Only |
|----------|--------------------|--|-----------------|----------------|
| HOURS | GAL (L) | L X W X I I III (I I I I I I I I | Steel | Aluminum |
| NO TANK | - | 112 (2844.8) x 41 (1041.4) x 56 (1422.4) | _ | |
| 13 | 79 (299) | 112 (2844.8) x 41 (1041.4) x 69 (1752.6) | | |
| 30 | 189 (715.4) | 112 (2844.8) x 41 (1041.4)x 81 (2057.4) | _ | |
| 48 | 300 (1135.6) | 112 (2844.8) x 41 (1041.4) x 93 (2362.2) | 425 (193) | 155 (70) |
| 56 | 350 (1325) | 112 (2844.8) x 41 (1041.4) x 93 (2362.2) | _ | |
| 81 | 510 (1930.5) | 117 (2971.8) x 47 (1193.8) x 93 (2362.2) | _ | |
| 93 | 589 (2229.6) | 128 (3251.2) x 49 (1244.6) x 93 (2362.2) | | |

LEVEL 1 ACOUSTIC ENCLOSURE

| RUN TIME | USABLE CAPACITY | LyWyllin/mm) | WT lbs (kg) - | Enclosure Only |
|----------|--------------------|--|---------------|----------------|
| HOURS | GAL (L) | L x W x H in (mm) | Steel | Aluminum |
| NO TANK | - | 130 (3302) x 41 (1041.4) x 56 (1422.4) | _ | |
| 13 | 79 (299) | 130 (3302) x 41 (1041.4) x 69 (1752.6) | _ | |
| 30 | 189 (715.4) | 130 (3302) x 41 (1041.4) x 81 (2057.4) | _ | |
| 48 | 300 (1135.6) | 130 (3302) x 41 (1041.4) x 93 (2362.2) | 450 (204) | 285 (129) |
| 56 | 350 (1325) | 130 (3302) x 41 (1041.4) x 93 (2362.2) | | |
| 81 | 510 (1930.5) | 130 (3302) x 47 (1193.8) x 93 (2362.2) | _ | |
| 93 | 589 (2229.6) | 130 (3302) x 49 (1244.6) x 93 (2362.2) | _ | |

LEVEL 2 ACOUSTIC ENCLOSURE

| RUN TIME | USABLE | Lu Wu Llin (nana) | WT lbs (kg) - | Enclosure Only |
|----------|--|---|---------------|----------------|
| HOURS | HOURS CAPACITY L x W x H in (mm) GAL (L) | | Steel | Aluminum |
| NO TANK | - | 112 (2844.8) x 41 (1041.4) x 69 (1752.6) | | |
| 13 | 79 (299) | 112 (2844.8) x 41 (1041.4) x 82 (2082.8) | | |
| 30 | 189 (715.4) | 112 (2844.8) x 41 (1041.4) x 94 (2387.6) | | |
| 48 | 300 (1135.6) | 112 (2844.8) x 41 (1041.4) x 106 (2692.4) | 625 (284) | 395 (180) |
| 56 | 350 (1325) | 112 (2844.8) x 41 (1041.4) x 106 (2692.4) | | |
| 81 | 510 (1930.5) | 117 (2971.8) x 47 (1193.8) x 106 (2692.4) | | |
| 93 | 589 (2229.6) | 128 (3251.2) x 49 (1244.6) x 106 (2692.4) | | |

^{*}All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure Only weight is added to Tank & Open Set weight to determine total weight.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.

153 EAST HADDAM RD

Location 153 EAST HADDAM RD Mblu 05/ / 016/ A02/

Acct# 1997 Owner AMERICAN TOWER CORP

Assessment \$224,200 **Appraisal** \$320,200

> PID 1798 **Building Count** 1

Current Value

| Appraisal | | | | | | |
|--|--------------|-----------|-----------|--|--|--|
| Valuation Year Improvements Land Total | | | | | | |
| 2016 | \$16,700 | \$303,500 | \$320,200 | | | |
| | Assessment | | | | | |
| Valuation Year | Improvements | Land | Total | | | |
| 2016 | \$11,700 | \$212,500 | \$224,200 | | | |

Owner of Record

Owner AMERICAN TOWER CORP Sale Price \$180,000

Co-Owner

Certificate

Address P O BOX 723597 Book & Page 0122/0251 ATLANTA, GA 31139 Sale Date 11/01/1999

> Instrument 1N

Ownership History

| Ownership History | | | | | |
|---------------------|------------|-------------|-------------|------------|------------|
| Owner | Sale Price | Certificate | Book & Page | Instrument | Sale Date |
| AMERICAN TOWER CORP | \$180,000 | | 0122/0251 | 1N | 11/01/1999 |

Building Information

Building 1: Section 1

Year Built:

Living Area: 0 \$0 Replacement Cost:

Building Percent Good: Replacement Cost

Less Depreciation: \$0

Building Attributes

| Field | Description |
|--------------------|--------------|
| Style | Outbuildings |
| Model | |
| Grade: | |
| Stories: | |
| Occupancy | |
| Exterior Wall 1 | |
| Exterior Wall 2 | |
| Roof Structure: | |
| Roof Cover | |
| Interior Wall 1 | |
| Interior Wall 2 | |
| Interior Flr 1 | |
| Interior Flr 2 | |
| Heat Fuel | |
| Heat Type: | |
| AC Type: | |
| Total Bedrooms: | |
| Total Bthrms: | |
| Total Half Baths: | |
| Total Xtra Fixtrs: | |
| Total Rooms: | |
| Bath Style: | |
| Kitchen Style: | |
| Num Kitchens | |
| Cndtn | |
| Usrfld 103 | |
| Usrfld 104 | |
| Usrfld 105 | |
| Usrfld 106 | |
| Usrfld 107 | |
| Num Park | |
| Fireplaces | |
| Usrfld 108 | |
| Usrfld 101 | |
| Usrfld 102 | |
| Usrfld 100 | |
| Usrfld 300 | |
| Usrfld 301 | |

Building Photo



(http://images.vgsi.com/photos/SalemCTPhotos//default.jpg)

Building Layout

Building Layout

(http://images.vgsi.com/photos/SalemCTPhotos//Sketches/1798_1798.jpg)

| Building Sub-Areas (sq ft) | <u>Legend</u> | |
|--------------------------------|---------------|--|
| No Data for Building Sub-Areas | | |

| Ex | tra Features <u>Legend</u> |
|----|----------------------------|
| No | Data for Extra Features |

Land

| Land Use | | Land Line Valuation | |
|---------------|------------|---------------------|-----------|
| Use Code | 4331 | Size (Acres) | 6.21 |
| Description | Cell Tower | Frontage | |
| Zone | HC | Depth | |
| Neighborhood | C100 | Assessed Value | \$212,500 |
| Alt Land Appr | No | Appraised Value | \$303,500 |
| Category | | | |

Outbuildings

| | Outbuildings <u>Leg</u> | | | | | |
|------|-------------------------|----------|-----------------|--------------|---------|-------|
| Code | Description | Sub Code | Sub Description | Size | Value | Bldg# |
| PAV1 | Paving-Asphalt | | | 9600.00 S.F. | \$7,200 | 1 |
| SHP5 | W/Improv Good | | | 500.00 S.F. | \$9,500 | 1 |

Valuation History

| Appraisal | | | | |
|----------------|--------------|-----------|-----------|--|
| Valuation Year | Improvements | Land | Total | |
| 2019 | \$16,700 | \$303,500 | \$320,200 | |
| 2018 | \$16,700 | \$303,500 | \$320,200 | |
| 2017 | \$16,700 | \$303,500 | \$320,200 | |

| Assessment | | | | |
|----------------|--------------|-----------|-----------|--|
| Valuation Year | Improvements | Land | Total | |
| 2019 | \$11,700 | \$212,500 | \$224,200 | |
| 2018 | \$11,700 | \$212,500 | \$224,200 | |
| 2017 | \$11,700 | \$212,500 | \$224,200 | |

Margie Weber

From: TrackingUpdates@fedex.com
Sent: Thursday, June 10, 2021 11:31 AM

To: Margie Weber

Subject: FedEx Shipment 773952807757: Your package has been delivered



Hi. Your package was delivered Thu, 06/10/2021 at 11:29am.



Delivered to 270 HARTFORD RD, SALEM, CT 06420 Received by M.ALLEN

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER <u>773952807757</u>

FROM NB+C

1777 Sentry Pkwy West

VEVA 17 Ste. 400

BLUE BELL, PA, US, 19422

TO Town of Salem

Matt Allen

270 Hartford Rd.

SALEM, CT, US, 06420

REFERENCE 100510

1

SHIPPER REFERENCE 100510

SHIP DATE Wed 6/09/2021 03:21 PM

DELIVERED TO Receptionist/Front Desk

PACKAGING TYPE FedEx Envelope

ORIGIN BLUE BELL, PA, US, 19422

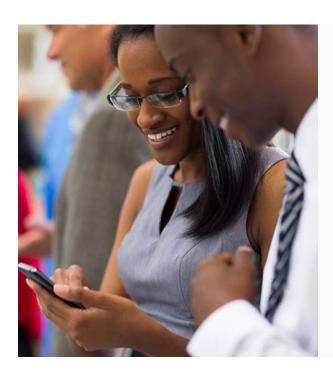
DESTINATION SALEM, CT, US, 06420

SPECIAL HANDLING Deliver Weekday

NUMBER OF PIECES 1

TOTAL SHIPMENT WEIGHT 0.50 LB

SERVICE TYPE FedEx Standard Overnight



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Thank you for your business.

Margie Weber

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Sent: Thursday, June 10, 2021 11:31 AM

To: Margie Weber

Subject: FedEx Shipment 773952784524: Your package has been delivered



Hi. Your package was delivered Thu, 06/10/2021 at 11:29am.



Delivered to 270 HARTFORD RD, SALEM, CT 06420 Received by M.ALLEN

OBTAIN PROOF OF DELIVERY

TRACKING NUMBER <u>773952784524</u>

FROM NB+C

1777 Sentry Pkwy West

VEVA 17 Ste. 400

BLUE BELL, PA, US, 19422

TO Town of Salem

Kevin T. Lyden 270 Hartford Rd.

SALEM, CT, US, 06420

REFERENCE 100510

1