

# GDIT

Via FedEx

May 9, 2024

Connecticut Siting Council  
ATTN: Melanie Bachman  
10 Franklin Square  
New Britain, Connecticut 06051

RE: AT&T's Petition for a Declaratory Ruling – Expansion of Existing Telecommunications Facility's Compound located at 75 Wells Road, Wethersfield, CT 06109

Dear Ms. Bachman:

Submitted herein on behalf of AT&T is a petition for a declaratory ruling that no new or amended Certificate of Environmental Compatibility and Public Need is required for the expansion the existing telecommunications facility's compound located at 75 Wells Road, Wethersfield, CT (41.70582500, -072.66341610).

Notice has been provided to the underlying property owner and the abutting property owners. Included is a list of the abutting properties and the proof of delivery of said notice.

If you have any questions, please reach out to me by email at [catherine.conklin@gdit.com](mailto:catherine.conklin@gdit.com) or by phone (301) 266-0258. Thank you for your consideration.

Sincerely,

Catherine Conklin  
Site Acquisition Specialist  
M 301-266-0258  
[Catherine.Conklin@gdit.com](mailto:Catherine.Conklin@gdit.com)  
4603 Kemper Street  
Rockville, MD 20853  
[www.gdit.com](http://www.gdit.com)

**STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL**

**PETITION OF SOUTHERN N E TELEPHONE CO )      PETITION NO. \_\_\_\_\_**  
**C/O FRONTI**  
**CORPORATION FOR A DECLARATORY )**  
**RULING THAT NO NEW OR AMENDED )**  
**CERTIFICATE OF ENVIRONMENTAL )**  
**COMPATIBILITY AND PUBLIC NEED )**  
**IS REQUIRED FOR THE EXPANSION )**  
**OF THE EXISTING )**  
**TELECOMMUNICATIONS FACILITY )**  
**IN THE TOWN OF DANBURY CONNECTICUT )      May 9, 2024**

**PETITION FOR A DECLARATORY RULING  
EXPANSION OF THE EXITING TELECOMMUNICATIONS  
FACILTY COMPOUND  
75 WELLS ROAD, WETHERSFIELD**

**I.      Introduction**

Southern N E Telephone Co on behalf of AT&T hereby petitions the Connecticut Siting Council pursuant to Sections 16-50j-38 and 16-50j-39 of the Regulations of Connecticut State Agencies, for a declaratory ruling that no new or amended Certificate of Environmental Compatibility and Public Need is required under the provisions set forth by the Connecticut General Statutes Section 16-50k to expand the existing compound inside Southern N E Telephone Co’s parcel for the purpose of installing a new 50kW diesel backup generator.

**II.     Background**

In October 2002, New Cingular Wireless’ application for a Waiver to Site Plan Requirements for the construction of a Telephone Tower and Equipment Storage on the referenced site was approved. The compound expansion of roughly an irregular 10’ x 20’ space (approximately 200 sf) for the installation of the proposed Generator.

**III.    Proposed Modifications**

Southern N E Telephone Co, is seeking to extend the existing compound as proposed in Attachment B for the sole purpose of installing a 50kW self-contained diesel generator (“Generator”) going inside the fenced compound as demonstrated on the plans in Attachment B.

The proposed fence will match the existing chain link fence and there will be no adverse effect to the environment around or in the proposed expansion.

The Tower itself will not increase in height, nor will it be modified in any way. The proposed expansion is for Southern N E Telephone Co's Tenants to have access to a backup emergency Generator and associated equipment that will not fit into the existing compound.

#### **IV. The Proposed Modification Should Be Approved**

Pursuant to Section 16-50k of the Connecticut General Statutes, the proposed Generator is exempt from needing a Certificate of Environmental Compatibility and Public Need because the proposed Generator is a fuel cell **“built within the state with a generating capacity of two hundred forty kilowatts (240kW) or less.”** (Emphasis added).

AT&T has leased approximately 2,310 sf of ground space and 280 sf of interior building space for their wireless facility. The location of the proposed Generator will be located on a new 4'x10' concrete pad located outside of the building as shown in Attachment B. AT&T uses a Level 2 Acoustic enclosure on every generator which is the highest rated sound dampening option. The Decibel levels at 12' from the Generator are 72 Decibels or less. This is close to but quieter than the average vacuum cleaner. The environmental effects of the proposed increase are minimal with no notable effects and minimal ground disturbance on the property as shown in Attachment C.

Any smell associated with the Generator will be minimal and would only be while running, and there is an exhaust extension that will direct the diesel exhaust 10' up into the air above the Generator and well above the average person height to disperse. The Generator is tested for approximately 15-20 minutes every 2 weeks which can be scheduled during business hours; otherwise, it will only run during power outages. There are sensors in the Generator that connect to AT&T's NOC system that allow them to monitor the Generator remotely.

As mentioned previously, the proposed expansion of less than 78 sq. ft. would allow for a new emergency backup generator for AT&T, an existing tenant, to ensure that in the event of a power outage, AT&T's service to the surrounding community will not be disrupted.

The following documentation has been included in support of this Petition for Declaratory ruling that no new or amended Certificate of Environmental Compatibility and Public Need is required.

- Attachment A** – Owner’s Authorization via Application/Special Exception Approval
- Attachment B** – Signed and Stamped Construction Drawings
- Attachment C** – Site Photo
- Attachment D** – Original Easement/Lease Agreement
- Attachment E** – As-Built Drawings
- Attachment F** – Updated Site Plan
- Attachment G** – Wetland Map
- Attachment H** – Notice to Abutting Property Owners and Other Interested Parties as well as Proof of Delivery, Tax Records Included

**V. Conclusion**

Southern N E Telephone Co’s proposal for the expansion of the existing compound will allow for a backup Generator that will be used as backup power by AT&T, an existing tenant of Southern N E Telephone Co. The proposed actions will have a minimal environmental effect and will provide necessary backup power to AT&T in the event of a power outage. Accordingly, Southern N E Telephone Co respectfully requests that the Connecticut Siting Council issue a declaratory ruling that the proposed expansion and installation of said Generator is authorized without a new or amended Certificate of Environmental Compatibility and Public Need.

Sincerely,

Catherine Conklin  
Site Acquisition Specialist  
M 301-266-0258  
[Catherine.Conklin@gdit.com](mailto:Catherine.Conklin@gdit.com)  
4603 Kemper Street  
Rockville, MD 20853  
[www.gdit.com](http://www.gdit.com)



cc:

Fred Presley, Town Manager  
Town of Wethersfield  
505 Silas Deane Highway  
Wethersfield, CT 06109  
860-721-280

Dominick Caruso, Town Planner  
Town of Wethersfield  
505 Silas Deane Highway  
Wethersfield, CT 06109  
860-721-2838

Jennifer Williams Farr & Imani Ashleigh Watkins  
74 Wells Road  
Wethersfield, CT 06109

Sandra G Johansen & Jennifer Tenore  
87 Wells Road  
Wethersfield, CT 06109

Nicole C Chapman  
95 Wells Road  
Wethersfield, CT 06109

Ahad Syed Hussain & Dariusz Gorecki  
82 Wells Road  
Wethersfield, CT 06109

Daria Sdrula  
78 Wells Road  
Wethersfield, CT 06109

Charlie Morrison, Zoning Enforcement Officer  
Town of Wethersfield  
505 Silas Deane Highway  
Wethersfield, CT 06109  
860-721-2838

Southern N E Telephone, Property Owner  
C/O Frontier / Everest Infrastructure  
2 Alleghany Ctr, Suite 1002  
Pittsburgh, PA 15212  
781-820-9120

Emerson Village 1 LLC & Emerson Village 2 LLC  
(for properties 14-22 Emerson Street)  
18-33 41<sup>st</sup> Street  
Astoria, NY 11105

Lydia Janet DeJesus  
70 Wells Road  
Wethersfield, CT 06109

Raman LLC, (for property 57-71 Wells Road)  
60 Oakridge  
Unionville, CT 06085

657 Silas Deane LLC  
489 Franklin Avenue  
Rocky Hill, CT 06067

Emerson Village 1 LLC & Emerson Village 2  
LLC (for properties 89-97 Belcher Road)  
18-33 41<sup>st</sup> Street  
Astoria, NY 11105

# **ATTACHMENT A**

Owner's Authorization

Via Applications/Special Exception

Approval

**ABBATELLO ELECTRIC, LLC.**  
**P.O. BOX 259**  
**NORTH BRANFORD, CT 06471**  
**Tel. (203)483-6440**

Date: January 16, 2024

Town of Wethersfield  
Building Department

I, Jeff Abbateello, Owner of Abbateello Electric, LLC., North Branford, Connecticut, give permission to Catherine Conklin to apply and sign for electrical permit for the installation of new 50kw standby generator and ATS as per drawings.

**Job Location: 75 Wells Road**

Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to be 'J. Abbateello', written over a horizontal line.

Jeff Abbateello  
License # ELC. 0122318 - E1

# **ATTACHMENT B**

Signed and Stamped

Construction Drawings



# at&t Mobility

**SITE NAME: WETHERSFIELD**  
**FA LOCATION CODE: 10035051**

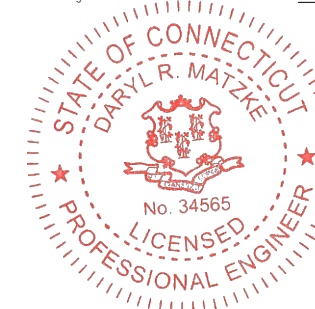
**GENERATOR PROJECT**  
**50KW GENERAC DIESEL GENERATOR**  
**200A GENERAC ATS**

**75 WELLS ROAD**  
**WETHERSFIELD, CT 06109**



PREPARED FOR:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 101 STATION DR  
 WESTWOOD, MA 02090

CERTIFICATION & SEAL:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



*[Signature]* 11/16/2023  
 Signature: Date:

MARK	DATE	DESCRIPTION
O	11/16/23	FINAL CDs
A	09/14/23	REVISED PCDs
ISSUE PHASE	FINAL	DATE ISSUED 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD**  
**FA ID # 10035051**

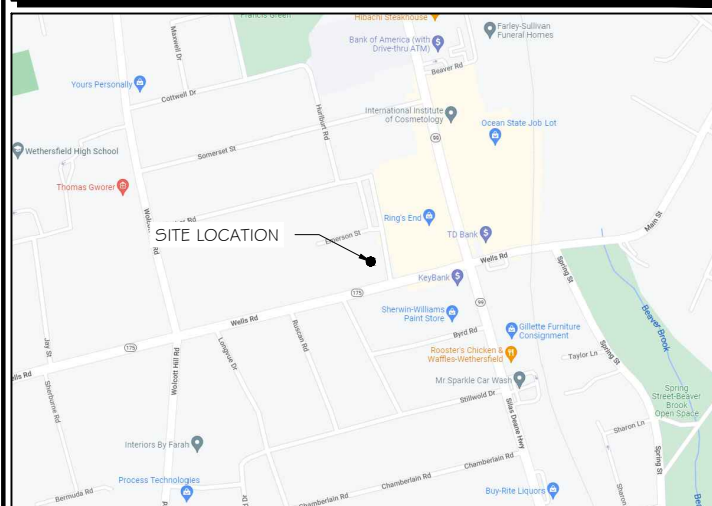
PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**TITLE SHEET**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: T-1

### VICINITY MAP



### SCOPE OF WORK

ADD STANDBY GENERATOR, ASSOCIATED CONCRETE PAD, AND UTILITY EQUIPMENT TO EXISTING AT&T EQUIPMENT AREA. THERE WILL BE NO CHANGE IN THE SIZE OR HEIGHT OF THE TOWER OR ANTENNAS.

### APPLICABLE BUILDING CODE & STANDARDS

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE FOLLOWING CODES AS ADOPTED BY THE GOVERNING LOCAL AUTHORITIES. NOTHING IN THESE PLANS ARE TO BE CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- INTERNATIONAL BUILDING CODE 2021
- NATIONAL ELECTRIC CODE 2020
- AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION
- TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL TOWER AND ANTENNA SUPPORTING STRUCTURES
- TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS



MEMBER  
 TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN CONNECTICUT

**CALL BEFORE YOU DIG**  
**811 OR 1-800-922-4455**

CONNECTICUT PUBLIC ACT 87-71 REQUIRES MIN. 2 WORKING DAYS NOTICE BEFORE YOU EXCAVATE.

### AERIAL VIEW OF SITE



### PROJECT INFORMATION

**PROJECT MANAGER:**  
 BRIAN K SILBERT  
 SR. REGIONAL MANAGER  
 GENERAL DYNAMICS WIRELESS SERVICES  
 101 STATION DRIVE  
 WESTWOOD, MA 02090  
 EMAIL: Brian.Silbert@GDIT.com

**ENGINEER:**  
 RAMAKER & ASSOCIATES, INC.  
 855 COMMUNITY DRIVE  
 SAUK CITY, WI 53583  
 PH.: (608) 643-4100  
 FAX: (608) 643-7999  
 CONTACT: TYLER BEATTY  
 EMAIL: tbeatty@ramaker.com

**APPLICANT INFORMATION:**  
 AT&T MOBILITY  
 7150 STANDARD DR  
 HANOVER, MD 21076

**SITE DATA:**  
 SITE NAME: WETHERSFIELD  
 FA NUMBER: 10035051

**PROPERTY OWNER:**  
 EMPIRE TELECOM  
 16 ESQUIRE ROAD  
 BILLERICA, MA 01821

**ADDRESS:**  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

**COUNTY:** HARTFORD

**LAT.:** 41.705825°  
**LONG.:** -72.6634161°

**GROUND ELEVATION:** 63 FT AMSL

**DO NOT SCALE DRAWINGS:**  
 CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

THE INFORMATION CONTAINED IN THIS SET OF DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO THE CLIENT IS STRICTLY PROHIBITED.

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### SIGNATURE BLOCK

AT&T MGR. \_\_\_\_\_ DATE \_\_\_\_\_

GENERAL DYNAMICS  
 CONSTRUCTION MGR. \_\_\_\_\_ DATE \_\_\_\_\_

SITE ACQUISITION \_\_\_\_\_ DATE \_\_\_\_\_



NOTES TO SUBCONTRACTOR:

1. THE GENERAL SUBCONTRACTOR MUST VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
2. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FORM WORK, ETC. IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL ORDINANCES, TO SAFELY EXECUTE ALL WORK AND SHALL BE RESPONSIBLE FOR SAME. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.
3. THE SUBCONTRACTOR SHALL USE ADEQUATE NUMBER OF SKILLED WORKMAN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHOD NEEDED FOR PROPER PERFORMANCE OF THE WORK.
4. CONSTRUCTION SUBCONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION SUBCONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION SUBCONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT.
5. SITE GROUNDING SHALL COMPLY WITH AT&T WIRELESS SERVICES TECHNICAL SPECIFICATIONS FOR FACILITY GROUNDING FOR CELL SITE STANDARDS, LATEST EDITION, AND COMPLY WITH AT&T TOWERS GROUNDING CHECKLIST, LATEST VERSION. WHEN NATIONAL AND LOCAL GROUNDING CODES ARE MORE STRINGENT THEY SHALL GOVERN. GROUNDING SHALL BE COMPLETED BEFORE ERECTION OF TOWER.
6. ALL WORK SHALL COMPLY WITH OSHA AND STATE SAFETY REQUIREMENTS. PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION. IF TEMPORARY LIGHTING AND MARKING IS REQUIRED BY THE FEDERAL AVIATION ADMINISTRATION (FAA), IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE NECESSARY LIGHTS AND NOTIFY THE PROPER AUTHORITIES IN THE EVENT OF A PROBLEM.
7. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES OR ORDINANCES. THE MOST STRINGENT CODE WILL APPLY IN THE CASE OF DISCREPANCIES OR DIFFERENCES IN THE CODE REQUIREMENTS.
8. ANY DAMAGE TO THE ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDOWNER AND THE ENGINEER.
9. THE COMPLETE BID PACKAGE INCLUDES THESE CONSTRUCTION DRAWINGS ALONG WITH THE SPECIFICATIONS. SUBCONTRACTOR IS RESPONSIBLE FOR REVIEW OF TOTAL BID PACKAGE PRIOR TO BID SUBMITTAL..
10. SUBCONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
11. THE SUBCONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES. SILT AND EROSION CONTROL SHALL BE MAINTAINED ON THE DOWNSTREAM SIDE OF THE SITE AT ALL TIMES. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE SUBCONTRACTOR'S EXPENSE.
12. CLEARING OF TREES AND VEGETATION ON THE SITE SHOULD BE HELD TO A MINIMUM. ONLY THE TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ANY DAMAGE TO THE PROPERTY OUTSIDE THE LEASED PROPERTY SHALL BE REPAIRED BY THE SUBCONTRACTOR.
13. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES PRIOR TO DISPOSAL.
14. SEEDING AND MULCHING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE SITE DEVELOPMENT. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAIN AN ADEQUATE COVER OF VEGETATION OVER THE SITE FOR A ONE YEAR PERIOD.
15. PERMITS: THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
16. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
17. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR EXISTING UTILITIES BELIEVED TO BE IN THE WORKING AREA. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO VERIFY ALL UTILITIES, PIPELINES AND OTHER STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. THE SUBCONTRACTOR SHALL CONTACT THE LOCAL JURISDICTION'S DIGGER'S HOTLINE BEFORE DIGGING OR DRILLING. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AND ENGINEER AT THE SUBCONTRACTOR'S EXPENSE.

GENERAL NOTES:

1. THIS PROPOSAL IS FOR THE ADDITION OF A NEW GENERATOR ON A CONCRETE PAD TO AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY CONSISTING OF AN EQUIPMENT SHELTER AND TOWER.
2. THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE.
3. THE PROPOSED FACILITY IS UNMANNED AND IS NOT FOR HUMAN HABITAT. (NO HANDICAP

ACCESS IS REQUIRED)

4. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH BY AT&T TECHNICIANS.
5. OUTDOOR STORAGE AND SOLID WASTE CONTAINERS ARE NOT PROPOSED.
6. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
7. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATION.
8. SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTION REQUIRED FOR CONSTRUCTION.
9. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

ELECTRICAL NOTES:

A. GENERAL

1. COORDINATE LOCATION AND POWER REQUIREMENTS OF ALL EQUIPMENT WITH AT&T AND EQUIPMENT SUPPLIER PRIOR TO INSTALLATION.
2. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL AND TELEPHONE SERVICES WITH THE PROPERTY REPRESENTATIVE, AT&T AND UTILITY COMPANIES. ROUTING OF CONDUITS MAY BE MODIFIED TO MEET SITE REQUIREMENTS. EXACT CONDUIT ROUTING TO BE DETERMINED IN THE FIELD.
3. ALL WIRING AND EQUIPMENT SHOWN ON ELECTRICAL SHEETS SHALL BE FURNISHED AND INSTALLED UNDER ELECTRICAL PORTION OF CONTRACT UNLESS OTHERWISE NOTED
4. UNINTERRUPTED ELECTRICAL SERVICE FOR EXISTING EQUIPMENT SHALL BE MAINTAINED DURING THE INSTALLATION OF THE WORK DESCRIBED UNDER THESE DOCUMENTS. TEMPORARY EQUIPMENT, CABLES AND WHATEVER ELSE IS NECESSARY SHALL BE PROVIDED AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE. TEMPORARY SERVICE FACILITIES, IF REQUIRED AT ANY TIME, SHALL NOT BE DISCONNECTED OR REMOVED UNTIL NEW SERVICE EQUIPMENT IS IN PROPER OPERATION. IF ANY SERVICE OR SYSTEM MUST BE INTERRUPTED, THE CONTRACTOR SHALL REQUEST PERMISSION IN WRITING STATING THE DATE, TIME, ETC. THE SERVICE WILL BE INTERRUPTED AND THE AREAS AFFECTED. THIS REQUEST SHALL BE MADE IN SUFFICIENT TIME FOR PROPER ARRANGEMENTS TO BE MADE. WRITTEN PERMISSION SHALL BE OBTAINED FROM THE OWNER BEFORE INTERRUPTING ELECTRICAL SERVICE.
5. COORDINATE NEW WORK WITH OTHER TRADES AND VERIFY EXISTING CONDITIONS TO AVOID INTERFERENCE. IN CASE OF INTERFERENCE, AT&T'S REPRESENTATIVE WILL DECIDE WHICH WORK IS TO BE RELOCATED, REGARDLESS OF WHICH WAS FIRST INSTALLED.
6. THE INSTALLATION MUST COMPLY WITH NEC AND ALL FEDERAL, STATE AND LOCAL RULES AND REGULATIONS.
7. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE DEFINED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS AND RACEWAY ROUTING SHALL BE GOVERNED BY ACTUAL FIELD CONDITIONS AND/OR DIRECTIONS FROM AT&T'S REPRESENTATIVE.
8. CONTRACTOR SHALL PAY ALL PERMITS AND FEES REQUIRED.
9. ALL MATERIALS SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARDS REFERENCED BELOW:
  - a. ANSI (AMERICAN NATIONAL STANDARDS INSTITUTE)
  - b. ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS)
  - c. ETL (ELECTRICAL TESTING LABORATORY)
  - d. ICEA (INSULATED CABLE ENGINEERS ASSOCIATION)
  - e. IEEE (INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS)
  - f. MBFU (NATIONAL BOARD OF FIRE UNDERWRITERS)
  - g. NESC (NATIONAL ELECTRICAL SAFETY CODE)
  - h. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION)
  - i. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION)
  - j. UL (UNDERWRITER'S LABORATORY)
10. CONTRACTOR SHALL REVIEW PLANS, DETAILS AND SPECIFICATIONS IN DETAIL AND ADJUST WORK TO CONFORM WITH ACTUAL SITE CONDITIONS SO THAT ELECTRICAL DEVICES AND EQUIPMENT WILL BE LOCATED AND READILY ACCESSIBLE. QUANTITIES LISTED IN MATERIAL LISTS ON THE DRAWINGS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE HIS OWN TAKEOFF FOR MATERIAL QUANTITY AND TYPES BASED ON ACTUAL SITE CONDITIONS, IN ADDITION, CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS TO INSTALL EQUIPMENT FURNISHED BY AT&T OR ITS SUPPLIERS. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN OR SHOWN ON THE DRAWINGS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED.

11. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) AT&T'S REPRESENTATIVE OF ANY CONFLICTS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK, IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.
12. ALL FLOORS WHERE PENETRATIONS ARE REQUIRED IN BUILDING ARE TO BE CORE DRILLED AND THEN FIREPROOFED.

B. WIRING/CONDUIT

1. PROVIDE PULL BOXES AND JUNCTION BOXES WHERE SHOWN OR AS REQUIRED BY CODE SUCH THAT NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (380 DEGREES TOTAL) EXIST IN A CONDUIT RUN.
2. ALL POWER AND CONTROL/INDICATION WIRING SHALL BE TYPE THHN/THWN 800V RATED 75 DEGREES CELSIUS, UNLESS NOTED OTHERWISE.

3. SCHEDULE 80 PVC CONDUIT SHALL BE USED ABOVE GROUND, WHERE ABOVE GRADE IS DEFINED AS THE GROUND OF THE TURN-UP
4. BELL END OR TERMINAL ADAPTER MUST BE INSTALLED ON END OF PVC CONDUIT PER NEC 352.4G. 300.4 F. (3)
5. CONDUIT BENDS SHALL BE MADE IN ACCORDANCE WITH NEC TABLE 346-10. NO RIGHT ANGLE DEVICE OTHER THAN STANDARD CONDUIT ELBOWS WITH 1/2" MINIMUM INSIDE SWEEPS FOR ALL CONDUITS 2" OR LARGER.
6. POWER WIRING SIZE SHALL NOT BE SMALLER THAN #12 AWG.
7. ALL WIRING SHALL BE COPPER. ALUMINUM WILL NOT BE ACCEPTABLE ALL POWER CIRCUITS SHALL CONTAIN A GROUND WIRE.
8. PHASE MARKINGS TO BE USED AT POWER CONDUCTOR TERMINATIONS.
9. CONTRACTOR SHALL ENSURE INTEGRITY IS MAINTAINED WHEN INSTALLING CONDUIT AND WIRING.
10. INSTALL PULL STRING IN ALL CONDUIT.

11. FOR ROOFTOP INSTALLS AND BUILD-OUTS, CONDUITS INSIDE BUILDING AND ON ROOF SHALL BE RGS, UNLESS OTHERWISE NOTED. FOR RAW LAND SITES AND CO-LOCATES, PVC SCHEDULE 80 SHALL BE UTILIZED UNLESS NOTED OTHERWISE.
12. MAINTAIN MINIMUM 1'-0" VERTICAL AND 1'-0" HORIZONTAL SEPARATIONS FROM ANY MECHANICAL GAS PIPING.
13. ALL WIRING ROUTED IN PLENUM TO BE RATED OR IN METALLIC FLEX (LIQUIDITE) CONDUIT.

C. EQUIPMENT

1. EQUIPMENT/PARTS CONNECTED TO EXISTING PANELS, DUCTS, ETC. SHALL MATCH THE CHARACTERISTICS (A/C, V, A) OF THAT EQUIPMENT.
2. ALL ELECTRICAL EQUIPMENT OUTSIDE SHALL BE NEMA OR 3R RATED.

D. GROUNDING

1. ALL GROUND CONNECTIONS TO BUILDING SHALL BE MADE USING TWO-HOLE CONNECTORS. PROVIDE STAINLESS STEEL BOLTS AND LOCK WASHERS ON ALL MECHANICAL GROUND CONNECTIONS.
2. ALL EQUIPMENT SURFACES TO BE BONDED TO GROUNDING SYSTEM SHALL BE STRIPPED OF ALL PAINT AND DIRT. CONNECTIONS TO VARIOUS METALS SHALL BE OF A TYPE AS TO CAUSE A GALVANIC OR CORROSIVE REACTION. AREA SHALL BE REPAINTED FOLLOWING BONDING.
3. ANY METALLIC ITEM WITHIN 6' OF GROUND CONDUCTORS MUST BE CONNECTED TO THE GROUNDING SYSTEM.
4. EXTERIOR, ABOVE GRADE GROUND CONNECTIONS SHALL BE FURNISHED WITH A LIBERAL PROTECTIVE COATING OF ANTI-OXIDE COMPOUND.
5. ALL MATERIALS AND LABOR REQUIRED FOR THE GROUNDING SYSTEM AS INDICATED ON THE PLANS AND DETAILS, AND AS DESCRIBED HEREIN SHALL BE FURNISHED BY THIS CONTRACTOR UNLESS OTHERWISE NOTED.
6. EXACT LOCATION OF GROUND CONNECTION POINTS SHALL BE DETERMINED IN FIELD. ADJUST LOCATIONS INDICATED ON PLANS ACCORDING TO ACTUAL EQUIPMENT LOCATIONS TO KEEP THE GROUND CONNECTION CABLES AS SHORT AS PRACTICAL.
7. PROVIDE ALL ELECTRICAL SYSTEM AND EQUIPMENT GROUNDS AS REQUIRED BY THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE AND THE CURRENT EDITION OF THE NATIONAL ELECTRICAL SAFETY CODE. BONDING JUMPERS WITH APPROVED GROUND FITTINGS SHALL BE INSTALLED AT ALL RACEWAYS, EQUIPMENT ENCLOSURES, PULL BOXES, ETC. TO MAINTAIN GROUND CONTINUITY WHERE REQUIRED BY CODE.
8. ALL EQUIPMENT GROUND CONDUCTORS SHALL BE TIN COATED, #2 AWG COPPER UNLESS NOTED OTHERWISE ON THE DRAWINGS.
9. PROVIDE PRE AND POST GROUND TEST RESULTS, USING CLAMP-ON TESTER. TEST RESULTS SHALL BE PHOTOS WITH DIGITAL TIME AND GPS STAMPED/EMBEDDED.

E. INSPECTION/DOCUMENTATION

1. THE CONTRACTOR, UPON COMPLETION OF HIS WORK, SHALL PROVIDE AS-BUILT DRAWINGS. INFORMATION SHOULD BE GIVEN TO THE GENERAL CONTRACTOR FOR INCLUSION IN FINAL AS-BUILT SURVEY DOCUMENTS TO BE GIVEN TO THE OWNER.
2. CONTRACTOR SHALL SUPPLY DOCUMENTATION ATTESTING TO THE COMPLETE GROUND SYSTEM'S RECEPTIVITY (MAX. 5 OHMS).
3. AN ELECTRICAL INSPECTION SHALL BE MADE BY AND INSPECTING AGENCY APPROVED BY AT&T'S REPRESENTATIVE. CONTRACTOR SHALL COORDINATE ALL INSPECTIONS AND OBTAIN POWER COMPANY APPROVAL.
4. CONTRACTOR SHALL HAVE ATS AND GENERATOR RELAY INSTALLATION AND CONNECTIONS INSPECTED BY OTHERS TO ENSURE THAT UL LISTING FOR THAT EQUIPMENT IS NOT VOIDED.



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PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.  
GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification # Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



*[Signature]* 11/16/2023  
Signature: Date:

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A	09/14/23	REVISED PCDs
ISSUE PHASE	FINAL	DATE ISSUED 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD  
FA ID # 10035051**

PROJECT INFORMATION:  
75 WELLS ROAD  
WETHERSFIELD, CT 06109

SHEET TITLE:  
**GENERAL NOTES**

SCALE: NONE

PROJECT NUMBER: 54151  
SHEET NUMBER: N-1



PREPARED FOR:

CONSULTANT:  
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 Information Technology, Inc.  
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*[Signature]* 11/16/2023  
 Date:

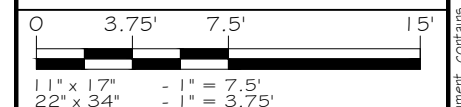
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SHEET TITLE:  
**SITE PLAN & EQUIPMENT LAYOUT**



PROJECT NUMBER: 54151  
 SHEET NUMBER: A-1

EXISTING AC PANEL AND MTS  
 EXISTING AT&T EQUIPMENT SHELTER  
 EXISTING TELCO BOARD

EXISTING GEN. FOR BUILDING

10'-0" EXHAUST RADIUS

#2 AWG SOLID TINNED COPPER GROUND WIRE TO EXISTING FENCE GROUND RING, GROUND GENERATOR PER MFG. SPECS. SEE DETAIL 2/E-3.

#2 AWG SOLID TINNED COPPER GROUND WIRE TO PROPOSED GROUND ROD, GROUND GENERATOR PER MFG. SPECS. SEE DETAIL 2/E-3.

PROPOSED AT&T GENERAC 50KW DIESEL GENERATOR LOCATION. SEE SHEET E-4 FOR SPECIFICATIONS.

PROPOSED AT&T 4'-0" X 10'-0" CONCRETE PAD. SEE SHEET S-1 FOR DETAILS.

PROPOSED AT&T UNDERGROUND GENERATOR CONDUIT ROUTE. SEE DETAIL 2/S-1

PROPOSED AT&T AUTOMATIC TRANSFER SWITCH ON EXISTING EQUIPMENT BUILDING W/ 3' CLEARANCE IN FRONT. SEE SHEET E-3 FOR DETAILS.

NOTE:  
 EXISTING AT&T METER & DISCONNECT UNABLE TO LOCATE.

EXISTING MONOPOLE

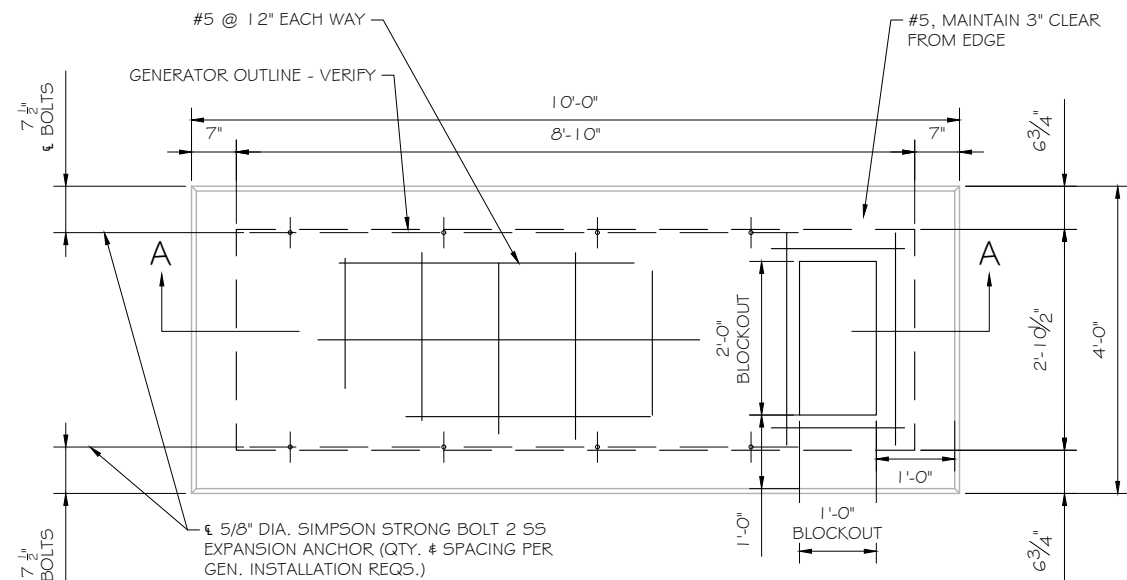
EXISTING ICE BRIDGE, TYPE

SCOPE OF WORK DETAILS

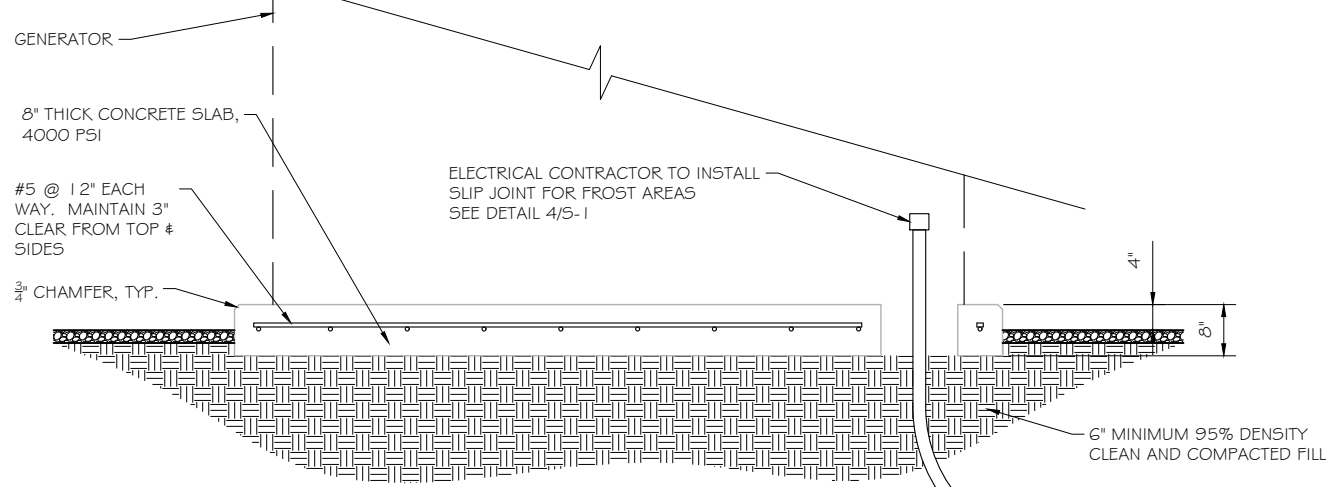
- GENERAL:**
- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR, SEE E-4.
  - NEW 4'-0" X 10'-0" CONCRETE PAD PROVIDED & INSTALLED BY GENERAL CONTRACTOR (AS REQUIRED) SEE S-1
  - NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR (AS REQUIRED) SEE E-3 & E-5.
  - CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION
  - CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
- CONDUITS:**
- INSTALL PULL STRING IN EACH CONDUIT
  - (1) NEW 2" AND (1) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
  - (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
  - (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- GROUNDING:**
- NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART.

**SITE PLAN**  
 SCALE: 0.011069

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**FOUNDATION PLAN**  
 SCALE: NTS



**SECTION A-A**  
 SCALE: NTS

**DOUBLE WALL FUEL TANK BASE SPECIFICATION**

REF: ATT 50KW GENERATOR PACKAGE  
 UL REGISTRATION NUMBER: MH18459  
 U.L. 142 DOUBLE WALL FUEL TANK BASE SPECIFICATION  
 FUEL TANK BASE CONSTRUCTION:

- BE CONSTRUCTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL-142. BE CONSTRUCTED IN ACCORDANCE WITH FLAMMABLE & COMBUSTIBLE LIQUIDS CODE, NFPA 30; THE STANDARD FOR INSTALLATION & USE OF STATIONARY COMBUSTIBLE ENGINE & GAS TURBINES, NFPA 37; AND THE STANDARD FOR EMERGENCY & STANDBY POWER SYSTEMS, NFPA 110.
- ANCHORS MINIMUM (4) @ 5/8" FOR GEN-SET MOUNTING

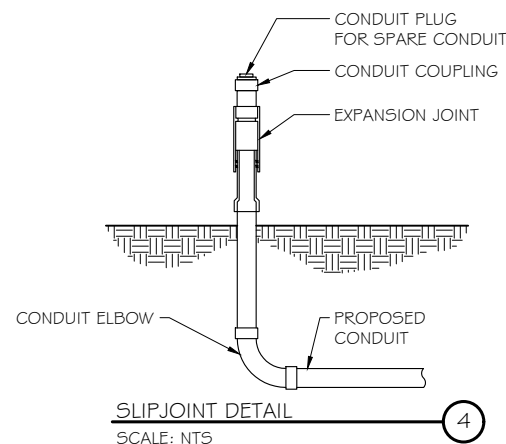
SUB BASE TANK TESTING: PRIMARY TANK & SECONDARY CONTAINMENT BASIN SECTIONS SHALL BE PRESSURIZED AT 3-5 PSI AND LEAK-CHECKED TO ENSURE INTEGRITY OF SUB BASE WELD SEAMS PER UL-142 STANDARDS

FUEL FILL: 5 GALLON SPILL CONTAINMENT WITH ALARM

- 40% REMAINING FOR ALARM
- 20% REMAINING FOR SHUT-DOWN

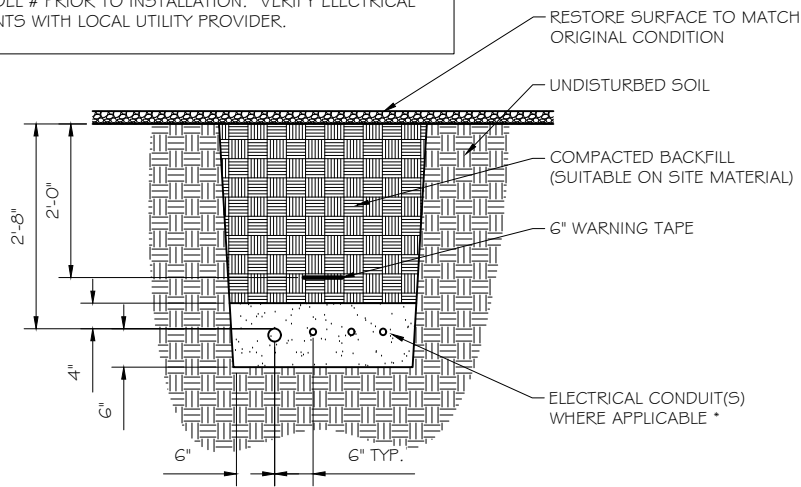
FACTORY PRE-SET AT 95% FULL FOR ALARM

FUEL CONTAINMENT BASIN: SUB BASE TANK SHALL INCLUDE A WELDED STEEL CONTAINMENT BASIN, SIZED AT A MINIMUM OF 110% OF THE TANK CAPACITY TO PREVENT ESCAPE OF FUEL INTO THE ENVIRONMENT IN THE EVENT OF A TANK RUPTURE. A FUEL CONTAINMENT BASIN LEAK DETECTOR SWITCH SHALL BE PROVIDED.



**SLIPJOINT DETAIL**  
 SCALE: NTS

NOTE:  
 VERIFY WIRE AND CONDUIT QUANTITY & SIZES WITH GENERATOR MAKE & MODEL # PRIOR TO INSTALLATION. VERIFY ELECTRICAL REQUIREMENTS WITH LOCAL UTILITY PROVIDER.



\* SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY COMPANY REQUIREMENTS

- NOTES:
- PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
  - PROVIDE RGS CONDUIT AND ELBOWS AT STUB UP LOCATIONS (I.E. SERVICE POLE, BTS EQUIPMENT, ETC.)
  - INSTALL UTILITY PULLBOXES PER NEC.

**UTILITY CONDUIT TRENCH**  
 SCALE: NTS

**STRUCTURAL GENERAL NOTES**

- GENERAL CONDITIONS
  - DESIGN & CONSTRUCTION OF ALL WORK SHALL CONFORM TO LOCAL BUILDING CODES, ACI 318-11. IN CASE OF CONFLICT BETWEEN THE CODES, STANDARDS, REGULATIONS, SPECIFICATIONS, GENERAL NOTES AND/OR MANUFACTURER'S REQUIREMENTS, USE THE MOST STRINGENT PROVISIONS.
  - IT IS THE EXPRESS INTENT OF PARTIES INVOLVED IN THIS PROJECT THAT THE CONTRACTOR OR SUBCONTRACTOR OR INDEPENDENT CONTRACTOR OR THE RESPECTIVE EMPLOYEES SHALL EXCULPATE THE ARCHITECT, THE ENGINEER, TECH. CONSTRUCTION MANAGER, THE OWNER, & THEIR AGENTS FROM ANY LIABILITY WHATSOEVER & HOLD THEM HARMLESS AGAINST LOSS, DAMAGES, LIABILITY OR ANY EXPENSE ARISING IN ANY MATTER FROM THE WRONGFUL OR NEGLIGENT ACT, OR FAILURE TO CARRY METHODS, TECHNIQUES OR PROCEDURES OR FAILURE TO CONFORM TO THE STATE SCAFFOLDING ACT IN CONNECTIONS WITH THE WORK.
  - DO NOT SCALE DRAWINGS
  - VERIFY ALL EQUIPMENT MOUNTING DIMENSIONS PER MANUFACTURER DRAWINGS
  - DESIGN LOADS ARE (GENERAC):
 

LIVE LOAD	: 100 PSF
EQUIPMENT SIZE	: 889.1" H, 106" W, 38" D
WEIGHT WITH WOODEN SHIPPING SKID	
ENCLOSED GENERATOR	: 3974 LBS
- FOR DESIGN & ANALYSIS OF THE FOUNDATION, THE MINIMUM NET SOIL BEARING CAPACITY SHALL BE ASSUMED TO BE 2000 PSF.
- CONCRETE
  - MEET OR EXCEED THE FOLLOWING CODES & STANDARDS:
 

DESIGN	: ACI 318-11
CONSTRUCTION	: ACI 301
DETAILING	: CRSI MANUAL OF STANDARD PRACTICE
REINF. STEEL	: ASTM A 615 GRADE 60, DEFORMED
MIXING	: ASTM C 94. READY MIX CONCRETE
AIR ENTRAINMENT	: ACI 318 AND ASTM C-260
AGGREGATE	: ASTM C 33 AND C 330 (FOR LIGHT WEIGHT)
  - CONCRETE STRENGTH AT 28 DAYS SHALL BE 4000 PSI MINIMUM
  - DO NOT FIELD BEND OR WELD TO GRADE 60 REINFORCED STEEL
  - PROVIDE AIR ENTRAINED CONCRETE WITH AIR CONTENT OF 5 TO 7% FOR ALL CONCRETE EXPOSED TO EARTH OR WEATHER.
  - MAXIMUM AGGREGATE SIZE: 3/4"
  - DO NOT USE IN ADMIXTURE, WATER OR OTHER CONSTITUENTS OF CONCRETE WHICH HAS CALCIUM CHLORIDE.
  - MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS SHOWN ON PLAN.
  - FOUNDATION & EXCAVATION NOTES
    - SLAB SHALL BE CONSTRUCTED UPON UNDISTURBED, NATURAL SUBGRADE OR COMPACTED GRANULAR FILL WITH AN ASSUMED MINIMUM NET ALLOWABLE BEARING CAPACITY OF 1800 PSF.
    - ALL ORGANIC AND/OR OTHER UNSUITABLE MATERIAL SHALL BE REMOVED FROM FOUNDATION & SLAB SUBGRADE & BACKFILL AREAS, & THEN BACKFILLED WITH ACCEPTABLE GRANULAR FILL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D 1557).
    - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PREVENT ANY WATER, FROST, OR ICE FROM PENETRATING ANY FOOTING OR STRUCTURAL SUBGRADE BEFORE & AFTER PLACING OF CONCRETE, AND UNTIL SUCH CONCRETE HAS FULLY CURED.

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 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**FOUNDATION DETAILS**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: S-1



DIAGRAM CIRCUIT SCHEDULE

NO.	FROM	TO	WIRES	GROUND	CONDUIT SIZE	FUNCTION
1	NORMAL POWER SOURCE	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	NORMAL POWER FEEDER TO ATS (CUT BACK EXISTING)
2	AUTOMATIC TRANSFER SWITCH	LOAD CENTER	(3) 3/0	(1) #4	2"	POWER FEEDER FROM ATS TO PANEL
3	GENERATOR	AUTOMATIC TRANSFER SWITCH	(3) 3/0	(1) #4	2"	EMERGENCY POWER FEEDER TO ATS
4	AUTOMATIC TRANSFER SWITCH	GENERATOR	(2) #10	(1) #10	1"	START CIRCUIT
5	LOAD CENTER (DISTRIBUTION CENTER)	GENERATOR, ATS	(2) #12 (2) #12 (2) #12	(1) #12 (1) #12 (1) #12	1" 1" 1"	CIRCUIT FOR GENERATOR BLOCK HEATER & BATTERY HEATER CIRCUIT FOR BATTERY CHARGER CIRCUIT FOR ATS
6	GENERATOR	AUTOMATIC TRANSFER SWITCH	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG. PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES
7	AUTOMATIC TRANSFER SWITCH	ALARM BLOCK	12-PAIR 24 AWG OR 2EA 6-PAIR CAT5	N/A	1"	ALARM CABLES (1) 12 PAIR 24 AWG (RUN TO PURCELL CABINET & INTO ALARM BOX). PROVIDE 24" OF SLACK CABLE. FINAL PUNCH DOWN IS BY AT&T TECH. LABEL ALL WIRES

CIRCUIT DETAIL

SCALE: NTS

1

ALARM WIRE IDENTIFICATION CHART

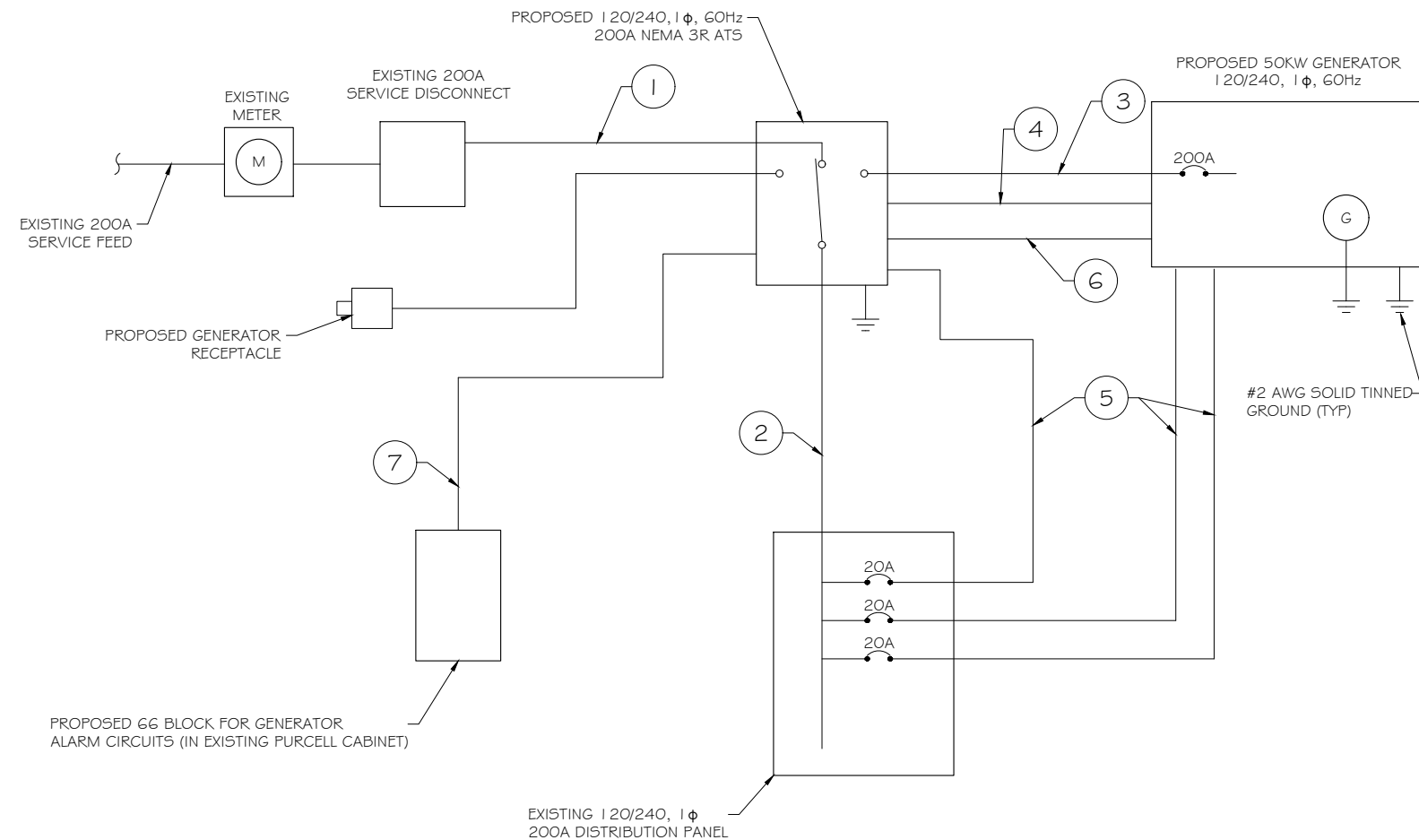
WIRE	ALARM
BROWN BROWN / WHITE	GENERATOR RUNNING
GREEN GREEN / WHITE	CRITICAL FAULT
BLUE BLUE / WHITE	MINOR FAULT
ORANGE	LOW FUEL
ORANGE / WHITE	FUEL LEAK
BROWN *	
BROWN / WHITE *	

\*CAT5 CABLE ONLY, FROM 2ND CAT5 CABLE

ALARM WIRING IDENTIFICATION CHART

SCALE: NTS

2



PROPOSED WIRING DIAGRAM

SCALE: NTS

3



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FA ID # 10035051

PROJECT INFORMATION:  
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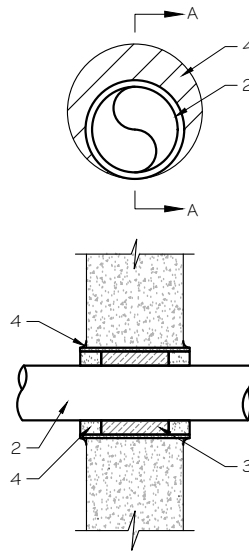
SHEET TITLE:  
**WIRING DETAILS**

SCALE: NONE

PROJECT NUMBER: 54151  
SHEET NUMBER: E-1

AC Distribution Panel - Layout Diagram									
Breaker Position	Breaker Type	On/Off	Size	Circuit Label	Breaker Position	Breaker Type	On/Off	Size	Circuit Label
1	1P	ON	15	ROOF RECEPTACLE	2				
3	1P	ON	15	EXHAUST FAN	4	3P	ON	25	UNIT HEATER
5	2P	ON	20	HVAC #2	6	2P	ON	20	HVAC #1
7					8				
9	3P	ON	40	CONDENSING UNIT #2	10	3P	ON	100	FEED FOR DP2CB
11					12				
13					14				
15	3P	ON	40	CONDENSING UNIT #1	16	1P	ON	20	LITES
17					18				
19					20				
21	3P	ON	15	VOLTAGE MONITORING RELAY	22	1P	ON	20	FLASH TOWER LIGHTS
23					24				
25					26				
					28				

NOTE:  
 1. IF EXISTING CONSTRUCTION VARIES FROM THIS DETAIL, AN EQUAL 3-HR U.L. PENETRATION APPROPRIATE FOR THE EXISTING WALL TYPE SHALL BE CONSTRUCTED  
 2. GC SHALL USE NON-SHRINKING CAULK TO WEATHERSEAL ALL PENETRATIONS INTO OR THRU SHELTER WALL.



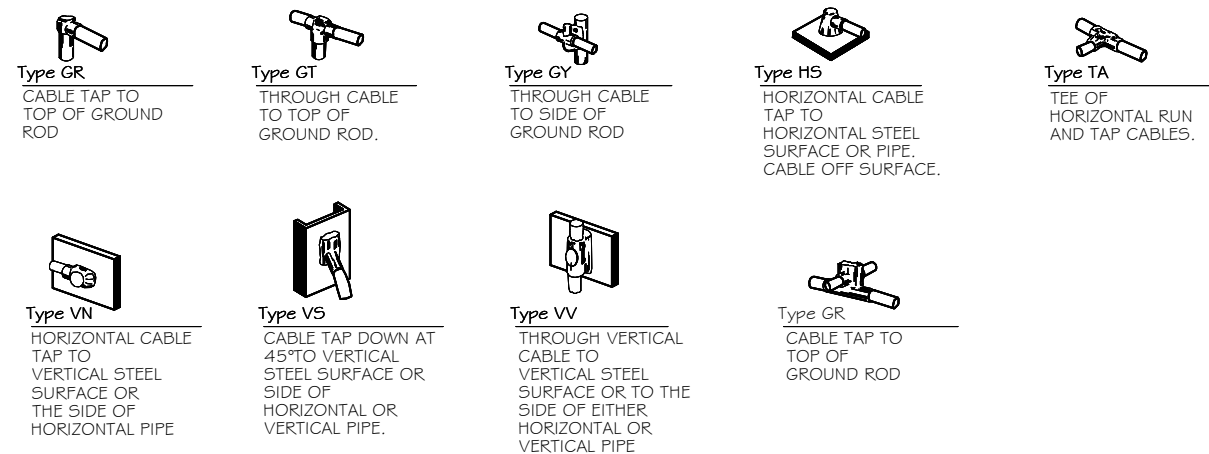
- U.L. SYSTEM NO. C-AJ-1150  
 CONDUIT THROUGH BEARING WALL SIMILAR TO U.L. DESIGN NO. U902  
 F RATING = 3 HR  
 T RATING = 0 HR
- FLOOR OR WALL ASSEMBLY : MINIMUM 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS\*. MAX DIAMETER OF OPENING IS 4". SEE CONCRETE BLOCKS (9CATZ) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
  - THROUGH PENETRATIONS : ONE METALLIC PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE ANNULAR SPACE SHALL BE MINIMUM 0". (POINT CONTACT) TO MAXIMUM 1-3/8". THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
    - A. STEEL PIPE-NOMINAL 6" DIAMETER (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
    - B. IRON PIPE-NOMINAL 6" DIAMETER (OR SMALLER) CAST OR DUCTILE IRON PIPE.
    - C. CONDUIT - NOMINAL 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOMINAL 3-1/2" DIAMETER (OR SMALLER) STEEL CONDUIT.
  - PACKING MATERIAL: MINIMUM 6" THICKNESS OF MIN 4.0 PCF MINERAL WOOL BATTING INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
  - FILL, VOID, OR CAVITY MATERIAL\*: SEALANT: MINIMUM 1/4" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR AND WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE AND CONCRETE, A MINIMUM 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL. W RATING APPLIES ONLY WHEN CP6015 OR CP604 SEALANT IS USED.
 

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. : CP6015, CP604, CP606, OR F5-ONE SEALANT.

\* BEARING THE UL CLASSIFICATION MARK.

OUTER WALL PENETRATION DETAIL (IF APPLICABLE) ②  
 SCALE: NTS

PROPOSED 20A BREAKERS FOR ATS, BLOCK HEATER AND BATTERY CHARGER ON NEW AT#T GENERATOR  
 EXISTING PANEL SCHEDULE ①  
 SCALE: NTS



NOTE:  
 CONTRACTOR TO LABEL WIRES WITH P-TOUCH OR SIMILAR LABELS ONLY. ABSOLUTELY NO HANDWRITTEN LABELS.

\*CONTRACTOR TO UTILIZE NEXT AVAILABLE IN SEQUENCE SINGLE BREAKER POSITION FOR GENERATOR, BATTERY CHARGER, BATTERY HEATER AND BLOCK HEATER

CADWELD DETAILS ③  
 SCALE: NTS

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SHEET TITLE:  
**PANEL AND PENETRATION DETAILS**

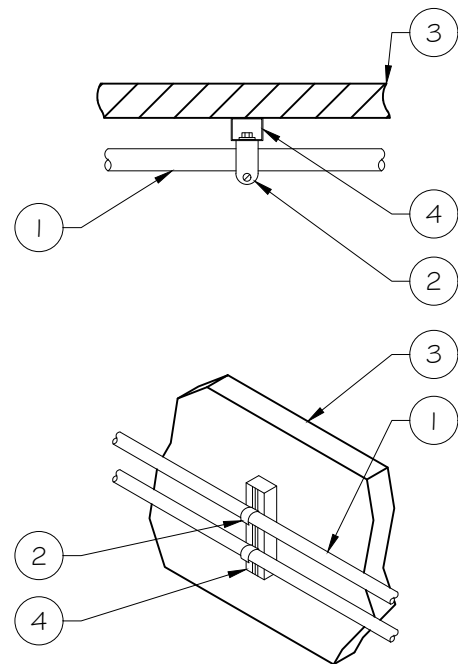
SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: E-2

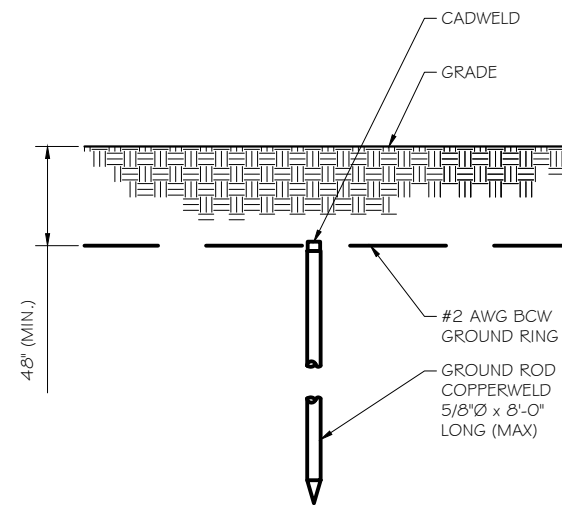
- 1 CONDUIT (TYP)
- 2 BUTTERFLY CLAMP AS REQUIRED
- 3 EXISTING WALL/CEILING
- 4 VERTICAL "UNISTRUT" P1000 T SERIES LENGTH BASED ON NUMBER OF CONDUIT TO BE MOUNTED

WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	3/8" DIA. HILTI HY-20 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	3/8" DIA. HILTI HY-150 WITH SCREEN, MINIMUM EMBEDMENT 2-1/2"

NOTE: USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT & CONNECTIONS OF CHANNELS SPACE UNITS @ 5'-0" O.C. LENGTH OF RUN



**CONDUIT WALL MOUNT**  
 SCALE: NTS

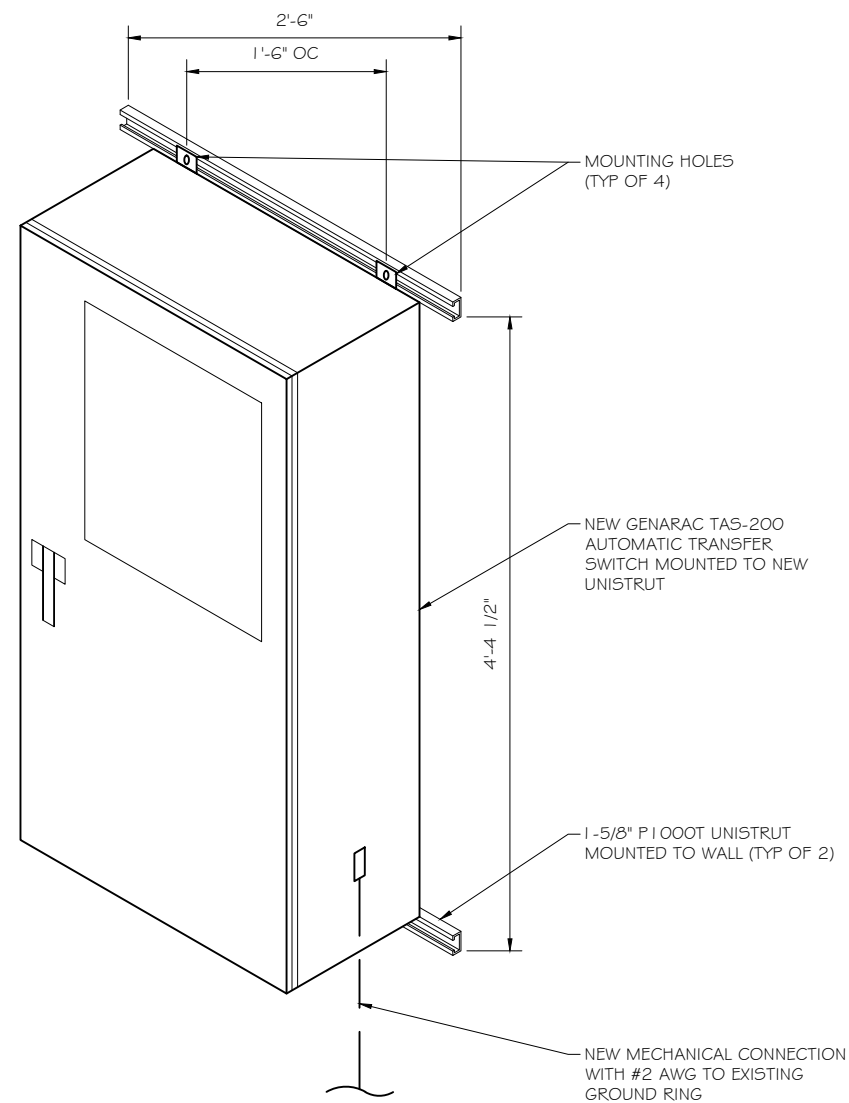


**GROUND ROD DETAIL**  
 SCALE: NTS

NOTE:  
 1. GROUND RODS MAY BE:  
 - COPPER CLAD STEEL  
 - SOLID COPPER  
 2. GROUND RODS SHALL HAVE A MAXIMUM SPACING TWICE THE LENGTH OF ROD  
 3. SEE RESISTIVITY REPORT FOR VERIFICATION AS AVAILABLE  
 4. A LARGER CONDUCTOR SHALL BE REQUIRED IN AREAS HIGHLY PRONE TO LIGHTNING AND/OR AREAS WITH HIGHLY ACIDIC SOIL  
 5. GROUND RODS INSTALLED WITHIN CLOSE PROXIMITY TO TOWER OR WHEN SOIL IS AT OR BELOW 2,000 OHM-CM, SHALL BE GALVANIZED TO PREVENT GALVANIC CORROSION OF TOWER, (SEE ANSI/TIA-EIA-222-G)  
 6. PROVIDE (1) GROUND LEAD TO EACH SIDE OF THE GENERATOR

WALL CONSTRUCTION TYPE	USE
HOLLOW	3/8" DIA. TOGGLE BOLT
HOLLOW, AT STUD	3/8" DIA. LAG SCREW
CONCRETE BLOCK (HOLLOW)	7/16" DIA. HILTI HY-20 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"
CONCRETE (SOLID)	7/16" DIA. HILTI HY-150 WITH SCREEN MINIMUM EMBEDMENT 2-1/2"

NOTE:  
 1. USE GALVANIZED OR STAINLESS STEEL HARDWARE FOR WALL MOUNT AND CONNECTION OF CHANNELS  
 2. GC SHALL USE NON-SHRINKING CAULK TO WEATHER SEAL ALL PENETRATIONS INTO OR THROUGH SHELTER WALL



**GENERAC ATS MOUNTING DETAIL**  
 SCALE: NTS

RAMAKER  
 employee-owned  
 (608) 643-4100 www.ramaker.com

PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 101 STATION DR  
 WESTWOOD, MA 02090

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 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



Signature: *[Signature]* Date: 11/16/2023

MARK	DATE	DESCRIPTION
O	11/16/23	FINAL CDs
A	09/14/23	REVISED PCDs

ISSUE PHASE: FINAL DATE ISSUED: 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD**  
 FA ID # 10035051

PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**ATS, CONDUIT & GROUND ROD**  
 DETAILS

SCALE: NONE

PROJECT NUMBER	54151
SHEET NUMBER	E-3



**SD050 | 4.5L | 50 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**Standby Power Rating**  
 50 kW, 63 kVA, 60 Hz

**Prime Power Rating\***  
 45 kW, 56 kVA, 60 Hz

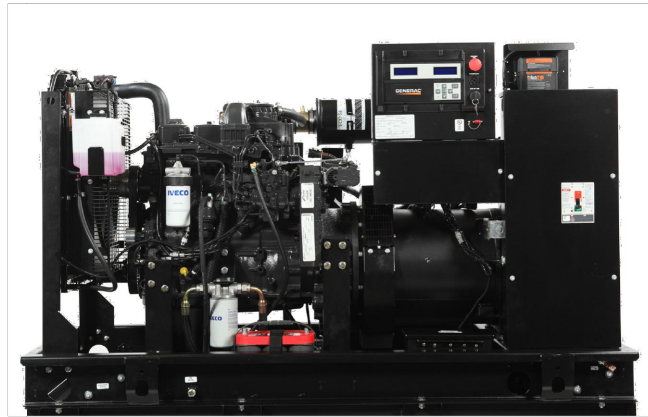


Image used for illustration purposes only



\*EPA Certified Prime ratings are not available in the US or its Territories

**Codes and Standards**

Not all codes and standards apply to all configurations. Contact factory for details.

- UL2200, UL6200, UL1236, UL489, UL142
- CSA C22.2, ULC S601
- BS5514 and DIN 6271
- SAE J1349
- NFPA 37, 70, 99, 110
- NEC700, 701, 702, 708
- ISO 3046, 7637, 8528, 9001
- NEMA ICS10, MG1, 250, ICS6, AB1
- ANSI C62.41
- IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

**Powering Ahead**

For over 60 years, Generac has provided 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 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 applications under adverse conditions.

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

**SD050 | 4.5L | 50 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
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**STANDARD FEATURES**

**ENGINE SYSTEM**

- Engine Block Heater
- Oil Drain Extension
- Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Radiator Duct Adapter (Open Set Only)

**Fuel System**

- Fuel Lockoff Solenoid
- Secondary Fuel Filter

**Cooling System**

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension

**Electrical System**

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

**ALTERNATOR SYSTEM**

- UL2200 GENprotect™
- Class H Insulation Material
- 2/3 Pitch
- Skewed Stator
- Brushless Excitation
- Sealed Bearing
- Full Load Capacity Alternator
- Protective Thermal Switch

**GENERATOR SET**

- Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Dual Breakers
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)

**ENCLOSURE (If Selected)**

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

**FUEL TANKS (If Selected)**

- UL 142, ULC S601
- Double Wall
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested - 2 psi
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

**CONTROL SYSTEM**



**Digital H Control Panel- Dual 4x20 Display**

**Program Functions**

- Programmable Crank Limiter
- 7-Day Programmable Exerciser
- Special Applications Programmable Logic Controller
- RS-232/485 Communications
- All Phase Sensing Digital Voltage Regulator
- 2-Wire Start Capability
- Date/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
- 16 Channel Remote Trending
- 0.2 msec High Speed Remote Trending
- Alarm Information Automatically Annunciated on the Display

**Full System Status Display**

- Power Output (kW)
- Power Factor
- kW Hours, Total, and Last Run
- Real/Reactive/Apparent Power
- All Phase AC Voltage
- All Phase Currents

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Speed
- Battery Voltage
- Frequency

**Alarms and Warnings**

- Oil Pressure
- Coolant Temperature
- Coolant Level
- Engine Overspeed
- Battery Voltage
- Alarms and Warnings Time and Date Stamped
- Snap Shots of Key Operation Parameters During Alarms and Warnings
- Alarms and Warnings Spelled Out (No Alarm Codes)



PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.

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**WETHERSFIELD**  
**FA ID # 10035051**

PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**GENERAC 50KW GENERATOR SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: E-4

SPEC SHEET

1 of 6

SPEC SHEET

2 of 6

**SD050 | 4.5L | 50 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**CONFIGURABLE OPTIONS**

**ENGINE SYSTEM**

- Oil Heater
- Industrial Silencer
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Critical Grade Silencer (Open Set Only)
- Air Filter Restriction Indication
- Radiator Stone Guard (Open Set Only)

**FUEL SYSTEM**

- NPT Flexible Fuel Line

**ELECTRICAL SYSTEM**

- Battery Heater
- 10A UL Listed Battery Charger

**CIRCUIT BREAKER OPTIONS**

- Main Line Circuit Breaker
- 2nd Circuit Breaker
- Shunt Trip Wand Auxiliary Contacts
- Electronic Trip Breakers

**GENERATOR SET**

- 8 Position Load Center
- Extended Factory Testing

**ALTERNATOR SYSTEM**

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

**ENCLOSURE**

- Weather Protected Enclosure
- Level 1 Sound Attenuated Enclosure
- Level 2 Sound Attenuated Enclosure
- Steel Enclosure
- Aluminum Enclosure
- IBC Seismic Certified
- AC/DC Enclosure Light Kits (Enclosed Units Only)
- Door Open Alarm Switch
- Pad Vibration Isolators
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)

**CONTROL SYSTEM**

- NFPA 110 Level 1 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Oil Temperature Indication and Alarm
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- E-Stop Terminal
- Remote Communication - Modem
- 10A Engine Run Relay
- Ground Fault Annunciator
- 100 dB Alarm Horn
- 120V GFCI and 240V Outlets

**WARRANTY (Standby Gensets Only)**

- 2 Year Extended Limited Warranty
- 5 Year Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

**FUEL TANKS (Size on Last Page)**

- 8 in Fuel Extension
- 13 in Fuel Extension

**SD050 | 4.5L | 50 kW**  
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**APPLICATION AND ENGINEERING DATA**

**ENGINE SPECIFICATIONS**

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Type	In-Line
Displacement - in <sup>3</sup> (L)	274 (4.5)
Bore - in (mm)	4.1 (105)
Stroke - in (mm)	5.2 (132)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged
Cylinder Head Type	2-Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump Type	Gear Driven
Oil Filter Type	Full-Flow Cartridge
Crankcase Capacity - qt (L)	14.4 (13.6)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed - RPM	2,538
Fan Diameter - in (mm)	26 (660)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.5 (12.7) NPT
Fuel Return Line - in (mm)	0.5 (12.7) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	20 A
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative

**ALTERNATOR SPECIFICATIONS**

Standard Model	K0050124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase Only)
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	One, Pre-Lubed and Sealed
Coupling	Direct via Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%



PREPARED FOR:



CONSULTANT:  
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**FA ID # 1003505 I**

PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**GENERAC 50KW GENERATOR SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: E-4.1

SPEC SHEET

3 of 6

SPEC SHEET

4 of 6



**SD050 | 4.5L | 50 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
 EPA Certified Stationary Emergency



**OPERATING DATA**

**POWER RATINGS**

	Standby	
Single-Phase 120/240 VAC @1.0pf	50 kW	Amps: 208
Three-Phase 120/208 VAC @0.8pf	50 kW	Amps: 173
Three-Phase 120/240 VAC @0.8pf	50 kW	Amps: 150
Three-Phase 277/480 VAC @0.8pf	50 kW	Amps: 75
Three-Phase 346/600 VAC @0.8pf	50 kW	Amps: 60

**MOTOR STARTING CAPABILITIES (skVA)**

skVA vs. Voltage Dip			
277/480 VAC	30%	208/240 VAC	30%
K0050124Y21	98	K0050124Y21	75
K0060124Y21	124	K0060124Y21	95

**FUEL CONSUMPTION RATES\***

Fuel Pump Lift- ft (m)	Diesel - gph (Lph)	
	Percent Load	Standby
3 (1)	25%	1.2 (4.4)
	50%	2.3 (8.5)
	75%	3.2 (12.2)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)	100%	4.2 (15.8)
		13.6 (51.5)

\* Fuel supply installation must accommodate fuel consumption rates at 100% load.

**COOLING**

	Standby	
Coolant Flow	gpm (Lpm)	32.7 (123.8)
Coolant System Capacity	gal (L)	4.5 (17.4)
Heat Rejection to Coolant	BTU/hr (kW)	121,000 (35.5)
Inlet Air	scfm (m <sup>3</sup> /min)	6,360 (180)
Maximum Operating Radiator Air Temperature	°F (°C)	122 (50)
Maximum Ambient Temperature (Before Derate)	See Bulletin No. 0199270SSD	
Maximum Additional Radiator Backpressure	in H <sub>2</sub> O (kPa)	0.5 (0.12)

**COMBUSTION AIR REQUIREMENTS**

	Standby
Flow at Rated Power - scfm (m <sup>3</sup> /min)	205 (5.8)

**ENGINE**

	Standby	
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	80
Piston Speed	ft/min (m/min)	1,559 (475)
BMEP	psi (kPa)	128.5 (886)

**EXHAUST**

	Standby	
Exhaust Flow (Rated Output)	scfm (m <sup>3</sup> /min)	497 (14.1)
Maximum Allowable Backpressure (Post Silencer)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output - Post Turbo)	°F (°C)	850 (454)

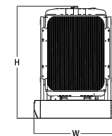
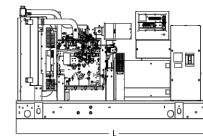
\*\* Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

Deration - Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 10000018933 Prime - See Bulletin 10000018926

**SD050 | 4.5L | 50 kW**  
**INDUSTRIAL DIESEL GENERATOR SET**  
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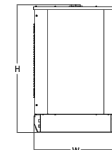
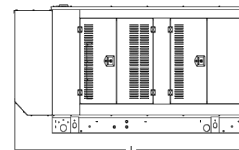


**DIMENSIONS AND WEIGHTS\***



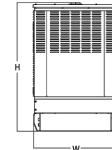
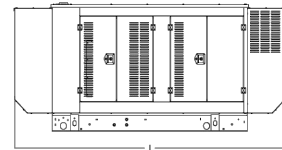
**OPEN SET**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	76.5 (1,942) x 37.4 (950) x 52.6 (1,335)	2,141 - 2,488 (941 - 1,128)
12	54 (204)	76.5 (1,942) x 37.4 (950) x 65.6 (1,665)	2,621 - 2,968 (1,159 - 1,346)
31	132 (500)	76.5 (1,942) x 37.4 (950) x 77.6 (1,970)	2,851 - 3,198 (1,263 - 1,450)
50	211 (799)	76.5 (1,942) x 37.4 (950) x 89.6 (2,275)	3,060 - 3,407 (1,358 - 1,545)
71	300 (1,136)	92.9 (2,360) x 37.4 (950) x 93.1 (2,364)	3,123 - 3,470 (1,386 - 1,573)
121	510 (1,931)	116.5 (2,960) x 46.5 (1,180) x 95.0 (2,411)	3,506 - 3,853 (1,562 - 1,749)



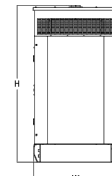
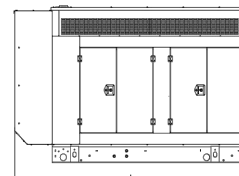
**WEATHER PROTECTED ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	Steel: 2,588 - 3,017 (1,174 - 1,368) Aluminum: 2,366 - 2,748 (1,073 - 1,246)
12	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)	Steel: 3,068 - 3,497 (1,392 - 1,586) Aluminum: 2,846 - 3,228 (1,291 - 1,464)
31	132 (500)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)	Steel: 3,298 - 3,727 (1,496 - 1,690) Aluminum: 3,076 - 3,458 (1,395 - 1,568)
50	211 (799)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)	Steel: 3,507 - 3,936 (1,591 - 1,785) Aluminum: 3,285 - 3,667 (1,490 - 1,663)
71	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)	Steel: 3,570 - 3,999 (1,619 - 1,813) Aluminum: 3,348 - 3,730 (1,518 - 1,691)
121	510 (1,931)	116.5 (2,960) x 46.5 (1,180) x 91.9 (2,334)	Steel: 3,953 - 4,382 (1,795 - 1,989) Aluminum: 3,731 - 4,113 (1,694 - 1,867)



**LEVEL 1 SOUND ATTENUATED ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	112.5 (2,857) x 38.0 (965) x 49.5 (1,258)	Steel: 2,668 - 3,178 (1,210 - 1,441) Aluminum: 2,366 - 2,748 (1,073 - 1,246)
12	54 (204)	112.5 (2,857) x 38.0 (965) x 62.5 (1,588)	Steel: 3,148 - 3,658 (1,428 - 1,659) Aluminum: 2,846 - 3,228 (1,291 - 1,464)
31	132 (500)	112.5 (2,857) x 38.0 (965) x 74.5 (1,893)	Steel: 3,378 - 3,888 (1,532 - 1,763) Aluminum: 3,076 - 3,458 (1,395 - 1,568)
50	211 (799)	112.5 (2,857) x 38.0 (965) x 86.5 (2,198)	Steel: 3,587 - 4,097 (1,627 - 1,858) Aluminum: 3,285 - 3,667 (1,490 - 1,663)
71	300 (1,136)	112.5 (2,857) x 38.0 (965) x 90.0 (2,287)	Steel: 3,650 - 4,160 (1,655 - 1,886) Aluminum: 3,348 - 3,730 (1,518 - 1,691)
121	510 (1,931)	116.5 (2,960) x 46.5 (1,180) x 91.9 (2,334)	Steel: 4,033 - 4,543 (1,831 - 2,062) Aluminum: 3,731 - 4,113 (1,694 - 1,867)



**LEVEL 2 SOUND ATTENUATED ENCLOSURE**

Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Weight - lbs (kg)
No Tank	-	94.8 (2,409) x 38.0 (965) x 62.0 (1,573)	Steel: 2,620 - 3,306 (1,297 - 1,499) Aluminum: 2,466 - 2,872 (1,118 - 1,303)
12	54 (204)	94.8 (2,409) x 38.0 (965) x 75.0 (1,903)	Steel: 3,300 - 3,786 (1,497 - 1,717) Aluminum: 2,946 - 3,352 (1,336 - 1,521)
31	132 (500)	94.8 (2,409) x 38.0 (965) x 87.0 (2,208)	Steel: 3,530 - 4,016 (1,601 - 1,821) Aluminum: 3,176 - 3,582 (1,440 - 1,625)
50	211 (799)	94.8 (2,409) x 38.0 (965) x 99.0 (2,513)	Steel: 3,739 - 4,225 (1,696 - 1,916) Aluminum: 3,385 - 3,791 (1,535 - 1,720)
71	300 (1,136)	94.8 (2,409) x 38.0 (965) x 102.5 (2,602)	Steel: 3,802 - 4,288 (1,724 - 1,944) Aluminum: 3,448 - 3,854 (1,563 - 1,748)
121	510 (1,931)	116.5 (2,960) x 46.5 (1,180) x 104.4 (2,649)	Steel: 4,185 - 4,671 (1,900 - 2,120) Aluminum: 3,831 - 4,237 (1,739 - 1,924)

\* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

Generac Power Systems, Inc. | P.O.Box 8 | Waukesha, WI 53189  
 P: (262) 544-4811 ©2020 Generac Power Systems, Inc. All rights reserved. All specifications are subject to change without notice.

Part No. 0191740SBY  
 Rev. F 04/14/2020



PREPARED FOR:



CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.

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**FA ID # 1003505 I**

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SHEET TITLE:  
**GENERAC 50KW GENERATOR SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: E-4.2

SPEC SHEET

5 of 6

SPEC SHEET

6 of 6



**TTS Series  
Switches**  
**200 Amps  
600 VAC**

**GENERAC** | **INDUSTRIAL  
POWER**

**TAS200**

**200A Automatic Transfer Switch**

**TAS200  
TAS200**  
1 of 3 2 of 3



Image used for illustration purposes only.

**The Generac TAS200 Automatic Transfer Switch**

- Flexibility for multiple application installations
- Multiple generator support with 3 source panel
- Designed with a 6 inch touch screen controller for improved user interface
- Camlock functionality for mobile generator sources

**Features**

- **STEEL CONSTRUCTION**
- **NEMA 3R ENCLOSURE WITH HINGED "PADLOCKING" DOORS**
- **STAINLESS STEEL HARDWARE**
- **CAMLOCK "QUICK CONNECT" CAPABILITY**
- **OPERATIONAL STATUS VIEW VIA 6 INCH TOUCH SCREEN**
- **TEST FUNCTION - FAST TEST & NORMAL TEST**
- **UL1008 LISTED - FOR EMERGENCY SYSTEMS**

**Optional Features**

- **EXTENDED WARRANTY**
- **THREE-PHASE VOLTAGE CONFIGURATIONS**

**Codes and Standards**

Generac products are designed to the following standards:



UL1008,  
UL508,  
UL50,  
CSA C22.2 No. 178



NEC 700, 701 and 702



NEMA 250

**Application and Engineering Data**

Cabinet Specifications	
Dimensions	24"W x 12"D x 48"H
Weight	210 lbs.
Construction	Single Chamber with Main Door
	Steel
	UL Type / NEMA 3R Rated
	Powder Coat Finish for Corrosion Resistance
	C-UL-US Listed - Automatic Transfer Switch
	Stainless Steel Hardware
Mounting Options	3-Point Latching System with Pad-Lockable Handles
	Wall
Installed	H-frame
	Pre-wired alarm terminal strip

Electrical Specifications	
Voltage/Phase/Amps	120/240 Single-Phase, 200A 120/208 3-Phase, 200A 120/240 3-Phase, 200A
Breaker	Eaton 200 amp Utility Breaker
	Eaton 200 amp Generator Breaker
Maximum RMS Symmetrical Fault Current - Amps	25k AIC Rated
Protective Device Continuous Rating (Max) Amp	200
Input to Generator	350MCM - #6 AWG
Output to Site	350MCM - #6 AWG
Generator Annunciator Connector	Deutsch DTM04-12PA-L012
Alarm Terminal Board	Generator Run Alarm
	Generator Fail - Shutdown Alarm
	Generator Fail - Non Shutdown Alarm
	Low Fuel Alarm
	Generator Theft Alarm
	AC Utility Fail Alarm

Camlock Component	
Camlock Component	Shipped loose for multiple installation options
Dimensions	9" W x 9.4" D x 24.25" H
200A Camlock Generator Connection	Single-Phase: Black L1, Red L2, White-Neutral, Green-Ground
	3-Phase: Black L1, Red L2, Blue L3, White-Neutral, Green-Ground
	Uses 4 CH E1016 Male Connectors
	Mating Connector - CH E1016 Female



**RAMAKER**  
employee-owned  
(608) 643-4100 www.ramaker.com

PREPARED FOR:  
 **at&t  
Mobility**

CONSULTANT:  
**GENERAL DYNAMICS**  
Information Technology, Inc.  
GENERAL DYNAMICS  
101 STATION DR  
WESTWOOD, MA 02090

Certification & Seal:  
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



*[Signature]* 11/16/2023  
Signature: Date:

MARK	DATE	DESCRIPTION
O	11/16/23	FINAL CDs
A	09/14/23	REVISED PCDs
ISSUE PHASE	FINAL	DATE ISSUED 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD  
FA ID # 10035051**

PROJECT INFORMATION:  
75 WELLS ROAD  
WETHERSFIELD, CT 06109

SHEET TITLE:  
**GENERAC ATS SPECIFICATIONS**

SCALE: NONE

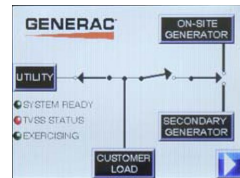
PROJECT NUMBER: 54151  
SHEET NUMBER: E-5

**TTS Control Systems**

TAS200

3 of 3

**Touch Screen Interface**



**INDICATORS AND BUTTONS**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>System Ready indicator</li> <li>Standby Operating indicator</li> <li>Utility Available indicator</li> <li>GEN/UTIL Switch Position indicator</li> <li>TVSS status</li> </ul> | <ul style="list-style-type: none"> <li>Normal Test button</li> <li>Fast Test button</li> <li>Return to Normal button</li> <li>Reset button</li> <li>Exercising indicator</li> </ul> |
|---|---|

**DETAILS SCREEN**

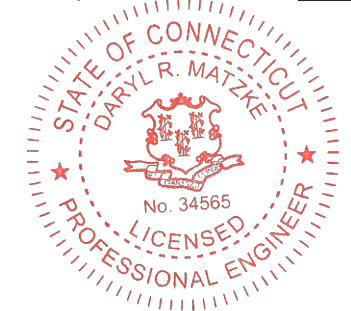
<p><b>System Settings:</b></p> <ul style="list-style-type: none"> <li>System Voltage/Phases:                     <ul style="list-style-type: none"> <li>120/240V single phase (standard)</li> <li>120/208V three phase (optional)</li> <li>120/240V three phase (optional)</li> </ul> </li> <li>Utility Fail Monitor:                     <ul style="list-style-type: none"> <li>Under Voltage: 75-95% of nominal voltage</li> <li>Over Voltage: 105%-125% of nominal voltage</li> <li>Pickup (hysteresis): fixed at 5 volts</li> <li>Delay time: 0-60s</li> </ul> </li> <li>Utility Interrupt Delay: 0-60s</li> <li>Return to Utility Timer: 1-30 minutes</li> <li>Transfer:                     <ul style="list-style-type: none"> <li>In-phase, or</li> <li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li> </ul> </li> </ul>	<p><b>Exercise Settings:</b></p> <ul style="list-style-type: none"> <li>Time of day</li> <li>Day of week</li> <li>Exercise:                     <ul style="list-style-type: none"> <li>Exercise with/without load</li> <li>Exercise once every 1, 2, or 4 weeks.</li> <li>Exercise time-of-day</li> <li>Exercise day of week</li> <li>Exercise duration: 15-30 minutes</li> </ul> </li> </ul>
	<p><b>Screen Settings:</b></p> <ul style="list-style-type: none"> <li>Brightness &amp; Contrast button</li> <li>Screen Calibration button</li> <li>Startup/Clean screen</li> </ul>
	<p><b>Diagnostics:</b></p> <ul style="list-style-type: none"> <li>Digital I/O bits status</li> <li>Voltage A/D readings</li> </ul>
<p><b>Engine Settings:</b></p> <ul style="list-style-type: none"> <li>Engine Warm-up timer: 0-20 minutes</li> <li>Generator Load Accept:                     <ul style="list-style-type: none"> <li>Time-Delay-Neutral at 0.0-10.0s in 1 second increments</li> <li>Voltage: 85-95% of nominal</li> <li>Frequency: 85-95% of nominal</li> </ul> </li> <li>Engine Minimum Run Timer: 5-30 minutes</li> <li>Engine Cooldown Timer: 0-20 minutes</li> </ul>	<p><b>Mimic Diagram:</b></p> <ul style="list-style-type: none"> <li>System Ready</li> <li>Transfer switch position</li> <li>Utility available</li> <li>Standby available</li> <li>Maintenance/Auto switch position</li> <li>Generator source TS position</li> <li>TVSS status</li> </ul>

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CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 101 STATION DR  
 WESTWOOD, MA 02090

Certification & Seal:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



 11/16/2023  
 Signature: Date:

O	11/16/23	FINAL CDs
A	09/14/23	REVISED PCDs
MARK	DATE	DESCRIPTION
ISSUE PHASE	FINAL	DATE ISSUED 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD**  
**FA ID # 10035051**

PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**GENERAC ATS SPECIFICATIONS**

SCALE: NONE

PROJECT NUMBER: 54151  
 SHEET NUMBER: E-5.1



# **ATTACHMENT C**

Site Photo



# **ATTACHMENT D**

Original Easement/Lease Agreement

Market: Connecticut  
Cell Site Number: CT-122-E /Town of Wethersfield Apartments  
Address: 23 Kelleher Court, Wethersfield, CT 06109

## LEASE AGREEMENT

THIS LEASE AGREEMENT ("Agreement"), dated as of the date below, is entered into by The Town of Wethersfield a Municipal corporation, having a mailing address of 505 Silas Deane Highway, Wethersfield CT 06109, (hereinafter referred to as "Landlord") and AT&T Wireless PCS LLC, a Delaware limited liability company, by and through its member, AT&T Wireless Services, Inc., d/b/a AT&T WIRELESS, having a mailing address of 2729 Prospect Park Drive, Rancho Cordova, California 96570 (hereinafter referred to as "Tenant").

### BACKGROUND

Landlord owns that certain plot, parcel or tract of land, together with all rights and privileges arising in connection therewith, located at 23 Kelleher Court, Wethersfield, CT 06109 in the County of Hartford, State of Connecticut (collectively "Property"). **Landlord desires to grant Tenant the right** to use a portion of the Property in connection with its federally licensed communications business **and** in accordance with this Agreement.

The parties agree as follows:

1. **LEASE OF PREMISES.** Landlord leases to Tenant portions of the Property consisting of (a) a room/cabinet/ground area space of approximately 200 square feet (10'X20'); and (b) space on the **190' monopole** structure suitable for the antennae of the town and 5 other carriers **constructed by Tenant for Landlord**, together with such easements as are necessary for the antennas and initial installation as described on attached **Exhibit 1** (collectively, "Premises").

2. **PERMITTED USE.** Tenant may use the Premises for the transmission and reception of communications signals and the installation, construction, maintenance, operation, repair and replacement of its communication facility and related equipment, cables, accessories and improvements, which may include a suitable support structure associated antennas (up to 12 antennas and 24 related coaxial cable, GPS unit and LMU for E911 and one (1) coaxial cable for each), equipment shelters or cabinets and fencing and any other items necessary to the successful and secure use of the Premises (collectively the "Communication Facility"); such use may include the right to test, survey and review title on the Property (collectively, the " Permitted Use". Landlord and Tenant agree that any portion of the Communication Facility that may be described on **Exhibit 1** will not be deemed to limit Tenant's Permitted Use. **Exhibit 1** includes conceptual drawings of the initial installation of the Communication Facility and Tenant's scope of work is further defined in **Exhibit 3**, attached hereto. Landlord's execution of this Agreement will signify Landlord's approval of **Exhibit 1**. Tenant has the right to make Property improvements, alterations or additions ("Tenant Changes") appropriate for Tenant's use **subject to the written approval of Landlord which approval shall not be unreasonably withheld, conditioned, or delayed, provided that, Tenant may make any "in-kind" improvements or alterations within its equipment cabinet/shelter without the prior written approval of Landlord.** Tenant agrees to comply with all applicable governmental laws, rules, statutes and regulations, relating to its use of the Communication Facility on the Property. Tenant has the right to modify, supplement, replace, upgrade, expand the equipment, increase the number of antennas or relocate the Communication Facility within the Premises at any time during the term of this Agreement.

3. **TERM.** (a) The initial lease term will be ten (10) years ("Initial Term"), commencing upon the Commencement Date, as defined below. The Initial Term will terminate on the last day of the month in which the tenth annual anniversary of the Commencement Date occurs.

(b) This Agreement will automatically renew for five (5) additional five (5) year Term(s) (each five (5) year term shall be defined as the "Extension Term"), upon the same terms and conditions unless the Tenant notifies the Landlord

in writing of Tenant's intention not to renew this Agreement at least ninety (90) days prior to the expiration of the existing Term.

(c) If Tenant remains in possession of the Premises after the termination or expiration of this Agreement then Tenant will be deemed to be occupying the Premises on a month-to-month basis (the "Holdover Term"), subject to the terms and conditions of this Agreement.

(d) The Initial Term, the Extension Term and the Holdover Term are collectively referred to as the Term ("Term").

**4. RENT.** (a) Commencing on the date that Tenant commences construction, **but in no event later than October 1, 2002**(the "Commencement Date"), Tenant will pay the Landlord a monthly rental payment of [REDACTED] ("Rent"), at the address set forth above, on or before the 5<sup>th</sup> day of each calendar month in advance. Rent will be prorated for any partial month.

(b) Beginning with year two (2) and each year thereafter, the monthly rent will increase by [REDACTED] over the previous year's rent.

(c) **The monthly rental payment is subject to abatement pursuant to paragraph 23 below.**

**5. APPROVALS.** (a) Landlord agrees that Tenant's ability to use the Premises is contingent upon the suitability of the Premises for Tenant's Permitted Use and Tenant's ability to obtain all governmental licenses, permits, approvals or other relief required of or deemed necessary or appropriate by Tenant for its use of the Premises, including without limitation applications for zoning variances, zoning ordinances, amendments, special use permits, and construction permits (collectively referred to as "Governmental Approvals"). Landlord authorizes Tenant to prepare, execute and file all required applications to obtain Governmental Approvals for Tenant's Permitted Use under this Agreement and agrees to reasonably assist Tenant with such applications.

(b) Tenant has the right to obtain, **at Tenant's sole cost and expense** a title report or commitment for a leasehold title policy from a title insurance company of its choice and to have the Property surveyed by a surveyor of Tenant's choice.

(c) Tenant may also obtain, at Tenant's sole cost and expense, soil boring, percolation, engineering procedures, environmental investigation or other tests or reports (collectively the "Tests") on, over, and under the Property, necessary to determine if the Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system, design, operations or Governmental Approvals

**6. TERMINATION.** This Agreement may be terminated, without penalty or further liability, as follows:

(a) by either party on thirty (30) days prior written notice, if the other party remains in default under Paragraph 14 of this Agreement after the applicable cure periods;

(b) By Tenant upon written notice to Landlord, if Tenant is unable to obtain, or maintain, any required approval(s) or the issuance of a license or permit by any agency, board, court or other governmental authority necessary for the construction or operation of the Communication Facility as now and hereafter intended by Tenant; or if Tenant determines in its sole discretion that the cost of obtaining or retaining the same is commercially unreasonable;

(c) by Tenant on sixty (60) days written notice for any reason, so long as Tenant pays Landlord a termination fee equal to six (6) months Rent, at the current rent rate, provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any one or more of paragraphs 6(a), 6 (b), 7, 17, 18 or 19 of this Agreement.

**7. INTERFERENCE.** (a) Where there are existing radio frequency user(s) on the Landlord's Property, the Landlord will provide Tenant with a list of all existing radio frequency user(s) and their frequencies on the Property to allow Tenant to evaluate the potential for interference. Tenant warrants that its use of the Premises will not interfere with existing radio frequency user(s) on the Property so disclosed by Landlord, and with Landlord's public safety communications system, as long as the existing radio frequency user(s) operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations.

(b) Landlord will not grant, after the date of this Agreement, a lease, license or any other right to any third party for the use of the Property, if such use may in any way adversely affect or interfere with Tenant's Communication Facility. Landlord will notify Tenant and receive Tenant's written approval, which approval shall not be unreasonably

withheld, conditioned, or delayed prior to granting any third party the right to install and operate communications equipment on the Property. Nothing contained herein will restrict Tenant nor its successors and assigns from installing and modifying its communications equipment.

(c) Landlord will not use, nor will Landlord permit its employees, tenants, licensees, invitees or agents to use, any portion of the Property in any way which interferes with the operations of Tenant or the rights of Tenant under this Agreement. Landlord will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Tenant. In the event any such interference does not cease within the aforementioned cure period then the parties acknowledge that Tenant will suffer irreparable injury, and therefore, Tenant will have the right, in addition to any other rights that it may have at law or in equity, for Landlord's breach of this Agreement, to elect to enjoin such interference or to terminate the Agreement upon notice to Landlord.

(d) Tenant will not use, nor will Tenant permit its employees, tenants, licensees, invitees or agents to use, any portion of the Property in any way which interferes with the operations of Landlord or the rights of Landlord under this Agreement. Tenant will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Landlord. In the event any such interference does not cease within the aforementioned cure period then the parties acknowledge that Landlord will suffer irreparable injury, and therefore, Landlord will have the right, in addition to any other rights that it may have at law or in equity, for Tenant's breach of this Agreement, to elect to enjoin such interference or to terminate the Agreement upon notice to Tenant.

**8. INDEMNIFICATION.** (a) Tenant agrees to indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs) arising directly from the installation, use, maintenance, repair or removal of the Communication Facility or Tenant's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Landlord, its employees, agents or independent contractors.

(b) Landlord agrees to indemnify, defend and hold Tenant harmless from and against any and all injury, loss, damage or liability (or any claims in respect of the foregoing), costs or expenses (including reasonable attorneys' fees and court costs) arising directly from the actions or failure to act of Landlord or its employees or agents, or Landlord's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Tenant, its employees, agents or independent contractors.

(c) Notwithstanding anything to the contrary in this Agreement, each of Tenant and Landlord hereby waives any claims that each may have against the other with respect to consequential, incidental or special damages.

**9. WARRANTIES.**

(a) Tenant and Landlord each acknowledge and represent that it is duly organized, validly existing and in good standing and has the right, power and authority to enter into this Agreement and bind itself hereto through the party set forth as signatory for the party below.

(b) Landlord represents and warrants that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license; (ii) the Property is not encumbered by any liens, restrictions, mortgages, covenants, conditions, easements, leases, or any other agreements of record or not of record, which would adversely affect Tenant's Permitted Use and enjoyment of the Premises under this Agreement; (iii) as long as Tenant is not in default then Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises; (iv) Landlord's execution and performance of this Agreement will not violate any Laws, ordinances, covenants or the provisions of any mortgage, lease or other agreement binding on the Landlord; and (v) if the Property is or becomes encumbered by a deed to secure a debt, mortgage or other security interest, Landlord will use best efforts to provide promptly to Tenant a mutually agreeable Subordination, Non-Disturbance and Attornment Agreement.

**10. ENVIRONMENTAL.** (a) Landlord and Tenant agree that each will be responsible for compliance with any and all environmental and industrial hygiene laws, including any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene condition or matters as may now or at any time hereafter be in effect, that are now or were related to that party's activity conducted in, or on the Property.

(b) Landlord and Tenant agree to hold harmless and indemnify the other from, and to assume all duties, responsibilities and liabilities at its sole cost and expense, (for payment of penalties, sanctions, forfeitures, losses, costs, or

damages) and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding which is related to (i) failure to comply with any environmental or industrial hygiene law, including without limitation any regulations, guidelines, standards or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene conditions or matters as may now or hereafter be in effect, or (ii) any environmental or industrial hygiene conditions that arise out of or are in any way related to the condition of the Property or activities conducted by the party thereon, unless the environmental conditions are caused by the other party.

(c) The indemnifications of this Paragraph 10 specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up, remediation, removal or restoration work required by any governmental authority. The provisions of this Paragraph 10 will survive the expiration or termination of this Agreement.

**11. ACCESS.** At all times throughout the Term of this Agreement, and at no additional charge to Tenant, Tenant and its employees, agents, and subcontractors, will have twenty-four (24) hour, seven (7) day pedestrian and vehicular access to and over the Property, from an open and improved public road to the Premises, for the installation, maintenance and operation of the Communication Facility and any utilities serving the Premises and Landlord hereby grants to Tenant an easement for such access. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. In the event any public utility is unable to use the access provided to Tenant the Landlord hereby agrees to grant an additional access either to Tenant or to the public utility, for the benefit of Tenant, at no cost to Tenant.

**12. REMOVAL/RESTORATION.** With the exception of the tower itself, including any footings, foundations and underground utilities, ( collectively the "Tower"), all portions of the Communication Facility brought onto the Property by Tenant will be and remain Tenant's personal property and, at Tenant's option, may be removed by Tenant at any time during the Term. Landlord covenants and agrees that, **with the exception of the Tower , no part of the Communication Facility constructed, erected or placed on the Premises by Tenant will become, or be considered as being affixed to or a part of, the Property, it being the specific intention of the Landlord that all improvements of every kind and nature constructed, erected or placed by Tenant on the Premises will be and remain the property of the Tenant and may be removed by Tenant at any time during the Term.** Within one hundred twenty (120) days of the termination of this Agreement, Tenant will remove all such improvements. Tenant will not be responsible for the replacement of any trees, shrubs, or other vegetation, **nor will Tenant be required to remove from the Premises or the Property any foundations or underground utilities..**

**13. MAINTENANCE/UTILITIES.** (a) Tenant will keep and maintain the Premises in good condition, reasonable wear and tear and damage from the elements excepted. Landlord will maintain and repair the Property and access thereto, in good and tenantable condition, subject to reasonable wear and tear and damage from the elements.

(b) Tenant will be solely responsible for and promptly pay all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. Landlord will fully cooperate with any utility company requesting an easement over, under and across the Property in order for the utility company to provide service to the Tenant. In the event Tenant cannot secure its own-metered electrical supply, Tenant will have the right, at its own cost and expense, to submeter from the Landlord. Tenant will pay on a monthly basis the current local utility company rate for submetered electric, after the meter is read by the Landlord and billed to Tenant. Landlord will not be responsible for interference with, interruption of or failure, beyond the reasonable control of Landlord, of such services to be furnished or supplied by Landlord.

**14. DEFAULT AND RIGHT TO CURE.**

(a) The following will be deemed a default by Tenant and a breach of this Agreement: (i) non-payment of Rent if such Rent remains unpaid for more than thirty (30) days after receipt of written notice from Landlord of such failure to pay; or (ii) Tenant's failure to perform any other term or condition under this Agreement within forty-five (45) days after receipt of written notice from Landlord specifying the failure. No such failure, however, will be deemed to exist if Tenant has commenced to cure such default within such period and provided that such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Tenant. If Tenant remains in default beyond any applicable cure period, Landlord will have the right to exercise any and all rights and remedies available to it under law and equity

(b) The following will be deemed a default by Landlord and a breach of this Agreement. Landlord's failure to perform any term, condition or breach of any warranty or covenant under this Agreement within forty-five (45) days after receipt of written notice from Tenant specifying the failure. No such failure, however, will be deemed to exist if Landlord has commenced to cure the default within such period and provided such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Landlord. If Landlord remains in default beyond any applicable cure period, Tenant will have the right to exercise any and all rights available to it under law and equity, including the right to cure Landlord's default and to deduct the costs of cure from any monies owed to Landlord by Tenant.

15. **ASSIGNMENT/SUBLEASE.** a) Tenant may assign, sell or transfer its interest under this Agreement without the approval or consent of Landlord, to the Tenant's principal, affiliates, subsidiaries, subsidiaries of its principal or to any entity which acquires all or substantially all of the Tenant's assets in the market defined by the Federal Communications Commission in which the property is located by reason of a merger, acquisition, or other business reorganization Upon notification to Landlord of such assignment, transfer or sale, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement. Tenant may not otherwise assign this Agreement without Landlord's consent, which consent shall not be unreasonably withheld, conditioned, or delayed.

b) Tenant agrees that subleasing responsibilities and revenue generated from any third party, collocating on the Tower, shall belong to the Landlord after the date that the Tower is transferred to Landlord from Tenant.

16. **NOTICES.** All notices, requests, demands and communications hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notice will be addressed to the parties as follows. As to Tenant, AT&T Wireless, 2729 Prospect Park Drive, Rancho Cordova, CA 95670, Attn.: Lease Management Department, Re: Cell Site #: CT-122E; with a copy to AT&T Wireless, 15 East Midland Avenue, Paramus, New Jersey 07652, Attn.: Legal Department, Re: Cell Site #:CT-122E; and as to Landlord, Town of Wethersfield, 505 Silas Deane Highway, Wethersfield CT 06109. Either party hereto may change the place for the giving of notice to it by thirty (30) days written notice to the other as provided herein.

17. **SEVERABILITY.** If any term or condition of this Agreement is found unenforceable, the remaining terms and conditions will remain binding upon the parties as though said unenforceable provision were not contained herein. However, if the invalid, illegal or unenforceable provision materially affects this Agreement then the Agreement may be terminated by either party on ten (10) days prior written notice to the other party hereto.

18. **CONDEMNATION.** In the event Landlord receives notification of any condemnation proceedings affecting the Property, Landlord will provide notice of the proceeding to Tenant within five (5) days. If a condemning authority takes all of the Property, or a portion sufficient, in Tenant's sole determination, to render the Premises unsuitable for Tenant, this Agreement will terminate as of the date the title vests in the condemning authority. The parties will be entitled to share in the condemnation proceeds in proportion to the values of their respective interests in the Property, which for Tenant will include, where applicable, the value of its Communication Facility, moving expenses, prepaid Rent, and business dislocation expenses. Tenant will be entitled to reimbursement for any prepaid Rent or a prorata basis.

19. **CASUALTY.** Both parties will provide prompt notice to the other of any casualty affecting the Property within forty-eight (48) hours of the casualty. If any part of the Communication Facility or Property is damaged by fire or other casualty so as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to the Landlord, which termination will be effective as of the date of such damage or destruction. Upon such termination, Tenant will be entitled to collect all insurance proceeds payable to Tenant on account thereof and to be reimbursed for any prepaid Rent.

20. **WAIVER OF LANDLORD'S LIENS.** Landlord hereby waives any and all lien rights it may have, statutory or otherwise, concerning the Communication Facility or any portion thereof. The Communication Facility shall be deemed personal property for purposes of this



Agreement, regardless of whether any portion is deemed real or personal property under applicable law, and Landlord hereby consents to Tenant's right to remove all or any portion of the Communication Facility from time to time in Tenant's sole discretion and without Landlord's consent.

**21. MISCELLANEOUS.**

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by an authorized agent of the Landlord and an authorized agent of the Tenant. No provision may be waived except in writing signed by both parties.

(b) **Memorandum/Short Form Lease.** Either party will, at any time upon fifteen (15) days prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum or Short Form of Lease. Either party may record this Memorandum or Short Form of Lease at any time, in its absolute discretion.

(c) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(d) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements.

(e) **Governing Law.** This Agreement will be governed by the laws of the state in which the Premises are located, without regard to conflicts of law.

(f) **Interpretation.** Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Agreement, except as otherwise stated in the Agreement or as same may be duplicative, such consent will not be unreasonably withheld, conditioned or delayed; (iv) exhibits are an integral part of the Agreement and are incorporated by reference into this Agreement; (v) use of the terms "termination" or "expiration" are interchangeable; and (vi) reference to a default will take into consideration any applicable notice, grace and cure periods.

(g) **Estoppel.** Either party will, at any time upon fifteen (15) days prior written notice from the other, execute, acknowledge and deliver to the other a statement in writing (i) certifying that this Agreement is unmodified and in full force and effect (or, if modified, stating the nature of such modification and certifying this Agreement, as so modified, is in full force and effect) and the date to which the Rent and other charges are paid in advance, if any, and (ii) acknowledging that there are not, to such party's knowledge, any uncured defaults on the part of the other party hereunder, or specifying such defaults if any are claimed. Any such statement may be conclusively relied upon by any prospective purchaser or encumbrancer of the Premises. The requested party's failure to deliver such a statement within such time will be conclusively relied upon by the requesting party that (i) this Agreement is in full force and effect, without modification except as may be properly represented by the requesting party, (ii) there are no uncured defaults in either party's performance, and (iii) no more than one month's Rent has been paid in advance.

(h) **No Electronic Signatures/No Option.**

The submission of this Agreement to any party for examination or consideration does not constitute an offer, reservation of or option for the Premises based on the terms set forth herein. This Agreement will become effective as a binding Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant.

**22. TOWER INSTALLATION**

Within sixty (60) days of the issuance of a building permit, Tenant agrees to construct, at its sole cost and expense, a monopole tower approximately 190' in height suitable for the antennae of the town, and five (5) other carriers, on the Property in accordance with the plans attached hereto as Exhibit 1. Tenant acknowledges that it has reviewed, and is familiar with the Motorola 800 Mhz trunked radio communication system that the Town of Wethersfield is in the process of implementing. Tenant will not be purchasing any radio equipment for the Town of Wethersfield. In the event that the tower is not under construction within sixty (60) days from the issuance of a building permit, Landlord may terminate this Agreement upon seven (7) days prior written notice to Tenant. Upon Landlord's satisfaction of Tenant's installation of the monopole, Tenant shall transfer ownership of same to Landlord. Such transfer of ownership shall be directed in a Bill of Sale attached hereto as Exhibit 4. Upon such transfer of ownership, Tenant shall be relieved of all current and future liability with respect to said Tower.

23. RENT ABATEMENT

In exchange for the Tenant's construction and installation of an approximately 190' monopole tower, including the footings, foundation and necessary underground utilities, the Landlord agrees to abate the Tenant's monthly rent for eight (8) years such that no rent will be due until October 1, 2010.

24. SIGNING BONUS.

Upon execution of this agreement, Tenant agrees to pay Landlord a one-time payment in the amount of [REDACTED]

25. SITE REGULATIONS

Tenant agrees to abide by Landlord's site rules and regulations attached hereto as Exhibit 2.

[SIGNATURES AND ACKNOWLEDGEMENTS ON NEXT PAGE]

IN WITNESS WHEREOF, the undersigned has caused this Agreement to be executed and effective as of the date the last party executed this Agreement below.

WITNESSES:

[Signature]  
Print Name: Jordan W. Bradley, Jr.  
[Signature]  
Print Name: Chris Fitzpatrick

LANDLORD"

The Town of Wethersfield, a Municipal Corporation

By: [Signature]  
Print Name: Lee C. Erdmann  
Its: Town Manager  
Date: July 29, 2002

"TENANT"

AT&T WIRELESS PCS, LLC, a Delaware limited liability company, by and through its member, AT&T Wireless Services, Inc., d/b/a AT&T WIRELESS

[Signature]  
Print Name: [Signature]  
[Signature]  
Print Name: [Signature]

By: [Signature]  
Print Name: Carmen Chapman  
Its: System Development Manager  
Date: 7/30/02



# **ATTACHMENT E**

## **As-Built Drawings**

**APPLICABLE BUILDING CODES AND STANDARDS**

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.  
 AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE  
 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION  
 TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARD FOR STRUCTURAL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM  
 IEEE 1100 (1999) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

TELCORDIA GR-63 NETWORK EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION

TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING

TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS

TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

**DIG ALERT:**

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:  
 1-888-922-4455

**EMERGENCY:**

CALL 911



**CINGULAR WIRELESS**

**SITE NUMBER: 1074**

**SITE NAME: WETHERSFIELD - CO**

*Redlined 12/20/06  
 Ja D Nell  
 Jason Nellis*

**GENERAL NOTES**

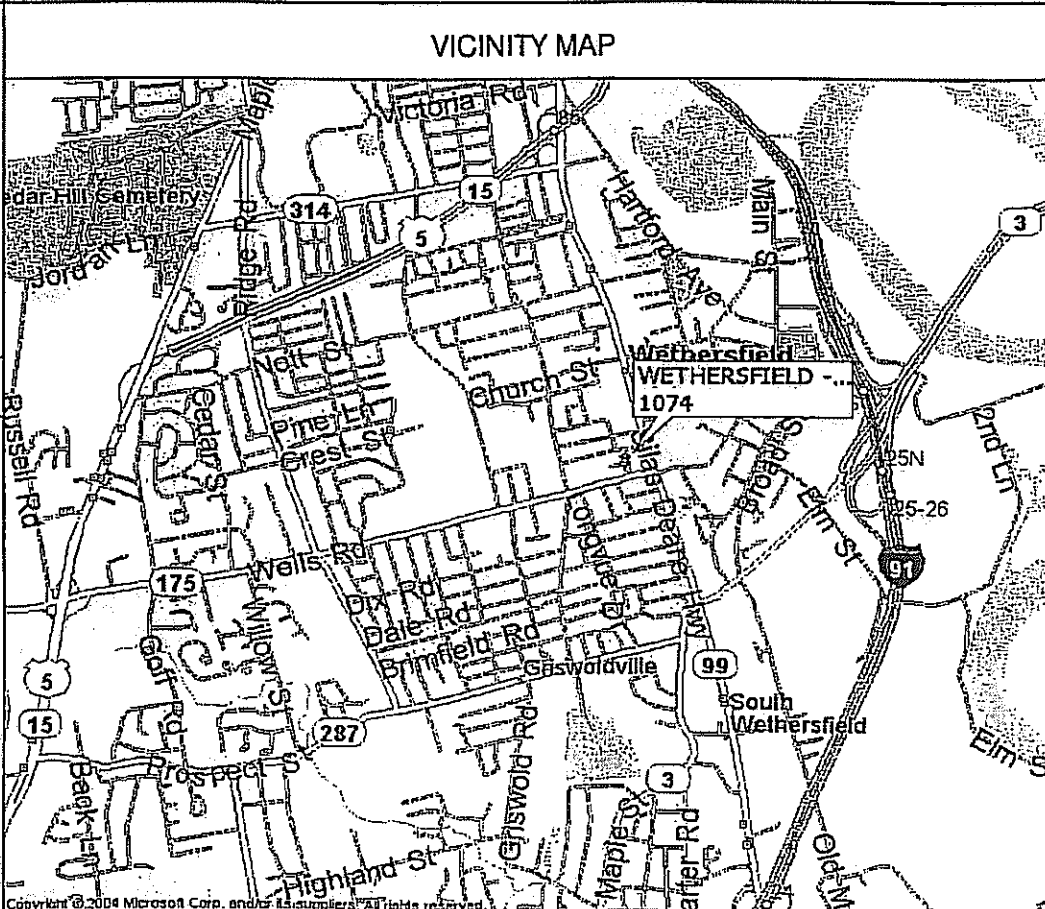
- FOR THE PURPOSE OF CONSTRUCTION DRAWING THE FOLLOWING DEFINITIONS SHALL APPLY:  
 CONTRACTOR - CH2MHILL  
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)  
 OWNER - OTHERS
- SITE WORK (IF APPLICABLE) SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND PROJECT SPECIFICATIONS.
- DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO DEPICT THE DESIGN INTENT OF THE INSTALLATION.
- ALL MATERIALS FURNISHED AND INSTALL SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.
- ANY WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL DOCUMENT AND PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
- SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES OR PROCEED WITH CONSTRUCTION.
- THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR.
- SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS, IN ACCORDANCE WITH OSHA STANDARDS, MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY.
- ALL SITES IN THE SCOPE OF WORK ARE ON-AIR. THEREFORE ONLY ONE ANTENNA IN EACH SECTOR CAN BE WORKED ON AT ONE TIME. ALL WORK WITH EACH GROUP OF ANTENNAS MUST BE COMPLETED BEFORE MOVING ON TO THE NEXT GROUP.

DRAWING INDEX	REV	DIRECTIONS: XXXX	SITE INFORMATION
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T01	TITLE SHEET	B
C01	SPECIFICATIONS	B
C02	SPECIFICATIONS	B
C03	SHELTER PLAN / EQUIPMENT PLAN	B
C04	TOWER ELEVATION	B
G01	GROUNDING RISER DIAGRAM	B
E01	RISER DIAGRAM	B

**REVIEW SIGNATURES**

	APPROVED	REJECTED SEE COMMENTS	DATE
CINGULAR	<input type="checkbox"/>	<input type="checkbox"/>	DATE
<i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8/10/06 DATE
ERICSSON CONST. MGR.	<input type="checkbox"/>	<input type="checkbox"/>	DATE
CH2MHILL CONST. MGR.	<input type="checkbox"/>	<input type="checkbox"/>	DATE
<i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8/10/06 DATE
CINGULAR RF	<input type="checkbox"/>	<input type="checkbox"/>	DATE



SCOPE OF WORK:	ADDITION OF PROPOSED AND ONE FUTURE EQUIPMENT CABINET WITHIN AN EXISTING SHELTER, AND SWAPPING OF (6) PANEL ANTENNAS ON AN EXISTING TOWER, INCLUDING ASSOCIATED CABLES. NO WATER OR SEWER WORK REQUIRED.
SITE ADDRESS:	75 WELLS ROAD WETHERSFIELD, CT 06109
SITE OWNER:	XXXX
CONTACT PERSON:	XXXX
APPLICANT:	CINGULAR WIRELESS 580 MAIN ST BOLTON, MA 01740
LATITUDE (NAD 83):	41° 42' 20.9" N
LONGITUDE (NAD 83):	72° 39' 48.3" W
CURRENT USE:	TELECOMMUNICATIONS FACILITY
PROPOSED USE:	TELECOMMUNICATIONS FACILITY

**SITE QUALIFICATION PARTICIPANTS**

	NAME	COMPANY	NUMBER
A/E	CHRIS WARREN	INFINIGY ENGINEERING	(770) 640-9969
RF	XXXX	CINGULAR WIRELESS	(XXX) XX-XXXX

**infinigy**  
 engineering  
 810 MARIETTA HWY  
 ROSWELL, GA 30075  
 OFFICE: (770) 640-9969  
 FAX: (770) 640-7383  
 185-009

**ERICSSON**  
 6300 LEGACY DRIVE  
 PLANO, TX 75024

**CH2MHILL**  
 8619 WEST BRYN MAWR  
 CHICAGO, ILLINOIS 60631

**WETHERSFIELD - CO**  
 SITE NO. 1074  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

**cingular**  
 WIRELESS

B	6/26/08	RE-ISSUED FOR REVIEW	PHR	CJM	CJW
A	5/08/08	ISSUED FOR REVIEW	MAK	CJM	CJW
NO	DATE	REVISIONS	BY	CHK	APP'D

**TITLE SHEET**

JOB #	DRAWING NUMBER	REV
	T01	A

**GENERAL SPECIFICATIONS**

**1.1. PREFACE**

THESE CONSTRUCTION SPECIFICATIONS ARE PROVIDED TO ESTABLISH THE MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF AND CONTINUED MAINTENANCE DURING OPERATIONS OF A CINGULAR WIRELESS BASE TRANSCIVER STATION (BTS) AND SHELTER THIS DOCUMENT IS INTENDED TO SUPPLEMENT SITE DRAWINGS WITH STANDARD CINGULAR WIRELESS CONSTRUCTION PRACTICES.

**1.2. COMPLIANCE**

WHERE NO LOCAL CODES EXIST, THE WORK SHALL CONFORM TO THE STANDARD BUILDING CODE AND THESE SPECIFICATIONS. FURNISH A DOCUMENT STATING THE ABSENCE OF THE LOCAL CODES. THE WORK SHALL COMPLY WITH OSHA SAFETY REQUIREMENTS. ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS AND DETAILS. WHERE CONFLICT OR AMBIGUITY ARISES BETWEEN THE DETAILS AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL GOVERN AND VENDOR SHALL SEEK CLARIFICATION FROM CINGULAR WIRELESS.

**1.3. GEOTECHNICAL INFORMATION**

A PROFESSIONAL GEOTECHNICAL INVESTIGATION OF THE SITE SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL FIRM FAMILIAR WITH GEOGRAPHICAL AREA. THE REPORT OF GEOTECHNICAL INVESTIGATION IS FOR REFERENCE ONLY AND DOES NOT LIMIT VENDOR'S LIABILITY. COPY OF REPORT SHALL BE MADE AVAILABLE TO CINGULAR WIRELESS UPON REQUEST.

**1.4. SURVEYING AND LAYOUT**

WHERE THE NECESSARY DIMENSIONS ARE NOT SHOWN ON THE STANDARD DETAILS, VENDOR SHALL REQUEST THESE DIMENSIONS FROM CINGULAR WIRELESS IN WRITING BEFORE COMMENCING THE WORK. MAKE ADEQUATE PROVISION IN TIME FOR CINGULAR WIRELESS TO DETERMINE SUCH DIMENSIONS WITHOUT CAUSING DELAY TO THE WORK.

**1.5. CONSTRUCTION SCHEDULE**

VENDOR SHALL SUBMIT A PROJECT SCHEDULE TO CINGULAR WIRELESS.

**1.6. INSPECTIONS**

VENDOR SHALL NOTIFY CINGULAR WIRELESS OF THE FOLLOWING INSPECTIONS. INSPECTIONS THAT CINGULAR WIRELESS WILL HAVE THE OPTION OF ATTENDING ARE:

INSPECTIONS REQUIRING 48 HR NOTICE:

1. GROUNDING MEG TEST
2. EQUIPMENT FOUNDATIONS BEFORE CONCRETE POUR
3. INSPECTION OF GROUNDING SYSTEM PRIOR TO COVER UP. INSPECTIONS REQUIRING 1 WEEK NOTICE WITH A 48 HOUR CONFIRMATION NOTICE
4. SITE COMPLETION/SITE ACCEPTANCE. VENDOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THAT ALL RELEVANT AUTHORITY INSPECTIONS ARE CARRIED OUT IN A TIMELY MANNER. VENDOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS TO CINGULAR WIRELESS. VENDOR IS RESPONSIBLE FOR COORDINATING AND OBTAINING ALL INSPECTIONS AND TESTING REQUIRED IN THIS SPECIFICATION.

**1.7. RELEVANT NATION STANDARDS AND AUTHORITIES**

THE FOLLOWING NATIONAL STANDARDS ARE FEDERAL AUTHORITIES SHALL GOVERN THE SCOPE OF THE WORK:

- ACI = AMERICAN CONCRETE INSTITUTE
- AISC = AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- ANSI = AMERICAN NATIONAL STANDARDS INSTITUTE
- ASCE = AMERICAN SOCIETY OF CIVIL ENGINEERS
- ASTM = AMERICAN SOCIETY FOR TESTING AND MATERIALS
- AWS = AMERICAN WELDING SOCIETY
- EIA = ELECTRONIC INDUSTRIES ASSOCIATION
- FCC = FEDERAL COMMUNICATIONS COMMISSION
- FAA = FEDERAL AVIATION ADMINISTRATION
- IBC = 2000 INTERNATIONAL BUILDING CODE
- NCRP = NATIONAL COUNCIL FOR RADIO PROTECTION AND MEASUREMENT
- NEC = NATIONAL ELECTRICAL CODE
- NFPA = NATIONAL FIRE PROTECTION ASSOCIATION
- OSHA = OCCUPATIONAL SAFETY AND HEALTH ASSOCIATION
- SBC = STANDARD BUILDING CODE
- TIA = TELECOMMUNICATIONS INDUSTRY ASSOCIATION
- UCBC = UNIFORM COMMERCIAL BUILDING CODE
- SUL = SITE UNDERWRITERS LABORATORIES

**2.1. GENERAL**

THIS SECTION PERTAINS TO WORK INVOLVED WITH EARTHWORK, PROTECTION OF EXISTING UTILITIES, AND EXCAVATIONS.

**2.2. SITE PREPARATION**

VENDOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING STRUCTURES, UTILITIES, WALKWAYS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE DURING CONSTRUCTION AND MAINTENANCE OPERATIONS. VENDOR SHALL BE LIABLE FOR ALL DAMAGES THAT OCCUR AND ALL EXPENSES TO REPAIR.

**2.3. EXISTING UTILITIES**

VENDOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITY. VENDOR IS RESPONSIBLE FOR PAYMENT OF ALL FINES AND REPAIR COSTS ASSOCIATED WITH INTERRUPTION OF EXISTING UTILITIES. VENDOR SHALL NOT INTERRUPT EXISTING UTILITIES SERVING CINGULAR WIRELESS WITHOUT WRITTEN NOTIFICATION AND APPROVAL FROM CINGULAR WIRELESS. VENDOR SHALL PROVIDE 48 HOUR NOTIFICATION TO CINGULAR WIRELESS PRIOR TO INTERRUPTION OF EXISTING UTILITIES AND ONLY AFTER MAKING PROVISION FOR TEMPORARY UTILITY SERVICES (I.E. GENERATOR). CINGULAR WIRELESS SHALL HAVE THE RIGHT TO REQUIRE UTILITY INTERRUPTION SCHEDULED DURING A CINGULAR WIRELESS SPECIFIED MAINTENANCE WINDOW. IF SCHEDULED OR UNPLANNED POWER INTERRUPTION IS CAUSED BY ACTIVITY OF VENDOR, ITS CONTRACTORS, SUBCONTRACTORS, AGENTS AFFILIATES OF EMPLOYEES, VENDOR SHALL PROVIDE A GENERATOR AND INCUR ALL EXPENSES RELATED TO THE USE AND OPERATION OF GENERATOR.

**2.4. EROSION CONTROL**

EROSION CONTROL MEASURES SUCH AS SILT FENCING SHALL COMPLY WITH ALL ORDINANCES AND BE UTILIZED TO PREVENT SOIL AND DEBRIS FROM ENTERING CINGULAR WIRELESS FACILITIES AND SITE ACCESS.

**2.5. DEWATERING**

VENDOR SHALL PREVENT SURFACE WATER FROM ENTERING EXCAVATIONS, FROM ACCUMULATING ON PREPARED SUBGRADES, AND FROM FLOODING THE CINGULAR WIRELESS SITE AND ACCESS. VENDOR SHALL TAKE ADDITIONAL MEASURES, IF REQUIRED, TO PREVENT SUBSURFACE WATER FROM SOFTENING THE SUBGRADES AND FOUNDATION SOILS PRIOR TO PLACEMENT OF CONCRETE.

**2.6. CLEARING AND GRUBBING**

SITE CLEARING SHALL BE PERFORMED WITHIN THE COMPLIANCE WITH LOCAL CODES. WITHIN THE SITE COMPOUND, VENDOR SHALL REMOVE ALL TREES, STUMPS, LOGS, ROOTS, BRUSH, SURFACE BOULDERS, OTHER OBJECTIONABLE MATERIAL, EXISTING FOUNDATIONS, FENCES AND STRUCTURES OF ALL DESCRIPTIONS. THE ONLY EXCEPTIONS WILL BE THOSE APPROVED BY CINGULAR WIRELESS. ALL GRUB HOLES OR OTHER DEPRESSIONS RESULTING FROM THE CLEARING AND/OR GRUBBING WORK SHALL BE BACKFILLED AND COMPACTED WITH INDUSTRY STANDARD MATERIAL.

**2.7. SLOPING AND SHORING OF EXCAVATIONS**

VENDOR SHALL PROVIDE ADEQUATE SLOPING, SHORING, BRACING AND/OR SHEET PILING FOR ALL EXCAVATIONS TO PROTECT ADJACENT STRUCTURES AND COMPLY WITH RELEVANT LOCAL CODES, ORDINANCES, AND AUTHORITIES, INCLUDING, BUT NOT LIMITED TO OSHA AND ANSI REGULATIONS.

**2.8. EXCAVATIONS**

EXCAVATE FOUNDATIONS FOR THE EQUIPMENT ENCLOSURES, AND CABLE SUPPORT STRUCTURES TO THE ELEVATIONS AND DIMENSIONS INDICATED ON THE DETAILS ACCOMPANYING THIS SPECIFICATIONS. UTILITY TRENCHES SHALL BE EXCAVATED TO THE DEPTH REQUIRED BY THE ACCOMPANYING DETAILS OR LOCAL CODES, WHICHEVER IS GREATER, TO ALLOW INSTALLATION OF THE TOP OF THE PIPE OR CABLE TO BE BELOW THE FROST LINE. PROVIDE UNIFORM BEARING AND SUPPORT ALONG THE FULL LENGTH OF THE CONDUIT OR PIPE. REMOVE STONES AND OTHER OBJECTS FROM THE EXCAVATION THAT WOULD OTHERWISE CAUSE POINT LOADING DAMAGE.

**2.9. FILL MATERIAL**

THE FILL MATERIAL SHALL CONTAIN NO ORGANIC MATERIAL OR ROCKS LARGER THAN 6 INCHES, NOR SHALL CONTAIN OBJECTIONABLE MATERIALS AND/OR MATERIALS DESIGNATED AS HAZARDOUS OR INDUSTRIAL BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THE FILL MATERIAL SHALL CONTAIN FINES SUFFICIENT TO FILL ALL VOIDS IN THE MATERIAL. MOISTURE CONTENT OF FILL MATERIAL SHALL BE WITHIN 2 PERCENT OF OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION.

**2.10. BORROW MATERIAL**

ANY BORROW MATERIAL REQUIRED FOR THE COMPLETION OF WORK SHALL BE THE RESPONSIBILITY OF VENDOR AND SHALL COMPLY WITH THE SPECIFICATION FOR MOISTURE AND COMPACTION.

**2.11. BACKFILL AND COMPACTION**

ALL DEBRIS, FORMWORK, EXCESS MATERIAL, AND TRASH SHALL BE REMOVED FROM THE EXCAVATION PRIOR TO BACKFILL. PLACE AND COMPACT FILL MATERIAL EVENLY ALONG THE FULL LENGTH OF ALL FOUNDATIONS, UTILITY CONDUITS AND PIPES, AND EVENLY UNDER ALL SLABS AND PAVEMENTS TO THE REQUIRED ELEVATIONS. COMPACTION OF BACKFILL OR BORROW SOIL SHALL BE PERFORMED IN 12 INCH LIFTS OF LOOSE MATERIAL WHEN UTILIZING HEAVY COMPACTION EQUIPMENT OR 6 INCH LIFTS OF LOOSE MATERIAL WHEN UTILIZING HAND OPERATED TAMPERS. COMPACTION OF ALL BACKFILL SHALL ACHIEVE 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698. FOR ALL FILLS AND EMBANKMENTS, DO NOT PLACE BACKFILL ON MUDDY OR FROZEN SURFACES, OR SURFACES THAT CONTAIN ORGANIC MATERIALS SUCH AS LEAVES, GRASS, ROOTS, OR BRUSH. ON SLOPES STEEPER THAN 25 PERCENT GRADE, PLOW STRIP OR OTHERWISE BREAK UP THE SURFACE TO BOND FILL MATERIAL WITH THE EXISTING SURFACE.

**2.12. GEOTEXTILE FABRICS**

GEOTEXTILE FABRIC SHALL BE MIRAFI 500 X OR EQUAL, AND SHALL BE OVERLAPPED NO LESS THAN 36" AND PLACED IN THE SITE COMPOUND. IT SHALL ALSO BE PLACED UNDER THE ACCESS ROAD WHEN DIRECTED BY CINGULAR WIRELESS.

**2.13. FINISH GRADING**

FINISH GRADING SHALL PREVENT PONDING OF SURFACE WATER AND PROVIDE POSITIVE DRAINAGE AWAY FROM THE CINGULAR WIRELESS EQUIPMENT

**2.13.1 ACCESS ROAD**

ACCESS ROAD SHALL BE A MINIMUM OF 12' WIDE WITH 6" OF CRUSHER RUN (ABC) STONE AND GEOTEXTILE FABRIC AS DIRECTED BY CINGULAR WIRELESS.

**2.13.2 SITE COMPOUND**

SITE COMPOUND SHALL HAVE A MINIMUM OF 3' OF CRUSHER RUN (ABC) STONE COVERED BY 3' OF #51 WASHED STONE WITH GEOTEXTILE FABRIC UNDERNEATH.

**2.14. PROTECTION OF GRADED AREAS**

VENDOR SHALL PROTECT AND MAINTAIN GRADED AREAS FROM EROSION AND TRAFFIC TO ALLOW ACCESS OF A TWO WHEEL DRIVE SEDAN VEHICLE. WHERE EROSION, RUTTING OR SETTLEMENT OCCURS DUE TO WEATHER CONDITIONS, CONSTRUCTION ACTIVITIES OR OTHER TRAFFIC, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS.

**3.0. AC POWER AND TELCO SERVICES**

**3.1. GENERAL**

THIS SECTION PERTAINS TO THE WORK REQUIRED TO PROVIDE TELEPHONE SERVICE AND PERMANENT POWER FOR THE CINGULAR WIRELESS PROJECT.

**3.2. COMMERCIAL AC POWER**

**3.2.1 APPLICATION FOR SERVICE**

CINGULAR WIRELESS WILL MAKE APPLICATION FOR AC POWER HOWEVER THE VENDOR IS RESPONSIBLE FOR CONDITIONAL/TEMPORARY POWER, AS WELL AS COORDINATING INSTALLATION AND HOOK-UP OF THE POWER COMPANY'S EQUIPMENT TO PROVIDE COMMERCIAL AC POWER TO THE DESIGNATED CINGULAR WIRELESS POWER TERMINATION POINT. ALL INSTALLATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE CINGULAR WIRELESS STANDARD SPECIFICATIONS.

**3.2.2 INSTALLATION**

VENDOR SHALL PROVIDE ALL MATERIALS FOR CONNECTION FROM THE POWER SOURCE TO THE CINGULAR WIRELESS EQUIPMENT AS PER THE STANDARD DETAILS AND SPECIFICATIONS, THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, AND THE LOCAL POWER COMPANY'S REQUIREMENTS.

3.2.2.1 UNLESS REQUIRED OTHERWISE BY THE LOCAL AUTHORITY, SERVICE IS TO BE 200 AMP 120/240 VOLT, SINGLE PHASE, AND AC SERVICE. THE ROUTING OF THE POWER SUPPLY OUTSIDE OF THE COMPOUND IS THE OPTION OF VENDOR. POWER SUPPLY FROM THE "DROP" OUTSIDE OF THE COMPOUND TO THE CINGULAR WIRELESS EQUIPMENT INSIDE THE COMPOUND SHALL BE UNDERGROUND. UNLESS OTHERWISE SHOWN ON THE PLANS, PLACE THE POWER SUPPLY IN A 4" DIAMETER SCHEDULE 40 PVC CONDUIT. THE CONDUIT SHALL BE UL APPROVED PIPE BURIED A MINIMUM OF 3 FEET BELOW FINISHED GRADE. EXPOSED CONDUIT SHALL BE UV RESISTANT PVC CONDUIT.

3.2.2.2 PVC CONDUIT BENDING SHALL BE ACCOMPLISHED BY THE USE OF MANUFACTURED ELBOWS AND FITTINGS, OR BY HEATING IN AN APPROVED PVC CONDUIT HEATER AND FORMING TO DESIRED RADIUS BY APPROVED PVC BENDING EQUIPMENT. HEATING BY OPEN FLAME SHALL NOT BE ALLOWED.

3.2.2.3 ALL JOINTS SHALL BE MADE WATERTIGHT USING SOLVENT CEMENT MANUFACTURED BY SAME MANUFACTURER AS THAT OF THE CONDUIT.

**3.3 TELCO SERVICE**

THE ROUTING OF THE TELCO SUPPLY OUTSIDE OF THE COMPOUND IS THE OPTION OF VENDOR. VENDOR SHALL PROVIDE UNDERGROUND TELCO CONDUIT FROM THE TELCO SOURCE TO THE TELCO COMMON BOX FOR DEMARCATION AND CONTINUE TO THE EMERSON FOR CINGULAR WIRELESS EQUIPMENT CONNECTION DESIGNATED CINGULAR WIRELESS TELCO TERMINATION POINT. VENDOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS AND ASSOCIATED LABOR FOR CONNECTION FROM THE TELCO SOURCE TO THE DESIGNATED CINGULAR WIRELESS TELCO TERMINATION POINT AS PER THE STANDARD DETAILS

3.3.1 TWO (2) CONDUITS SHALL BE PLACED BETWEEN THE TELCO COMMON BOX AND EMERSON WHICH SHALL BE A MINIMUM OF 2" DIAMETERS SCHEDULE 80 PVC. ONE CONDUIT SHALL HAVE TWO CAT 5 ABIS DIRECT BURY GRADE SERVICE WIRES PULLED THROUGH WITH A MINIMUM OF 20' COILED AND UN-TERMINATED AT EACH END. PLUG OR CAP EACH END OF THE SPARE CONDUIT AND PROVIDE TWO SEPARATE PULL STRINGS, SECURELY FASTENED AT EACH END OF THE CONDUIT. PULL STRINGS SHALL BE 200LB POLYETHYLENE CORD. CONDUIT TO BE PROPERLY SEALED AS NOTED IN DETAILS.

3.3.2 TELCO CONDUIT TO CONNECT TO THE LOCAL EXCHANGE PROVIDER SHALL BE A 4" DIAMETER SCHEDULE 40 PVC FROM THE TELCO COMMON BOX TO THE POINT DESIGNATED BY THE LOCAL EXCHANGE PROVIDER. PLUG OR CAP EACH END OF THE CONDUIT AND PROVIDE TWO SEPARATE PULL STRINGS, SECURELY FASTENED AT EACH END OF THE CONDUIT. PULL STRINGS SHALL BE 200LB POLYETHYLENE CORD. CONDUIT TO BE PROPERLY SEALED AS NOTED IN DETAILS. SWEEP UP CONDUIT TO 12" ABOVE FINISHED GRADE (DO NOT GLUE CONDUIT ELBOW.)

**3.3.3 TELCO COMMON BOX**

VENDOR SHALL PROVIDE A NEMA 3 RATED TELCO COMMON BOX WHICH SHALL BE A MINIMUM SIZE OF J6"x30"x12" + WITH A 3/4" PLYWOOD BACKBOARD, MULTI-POSITION GROUND BUSS BAR AND A DOOR WHICH CAN BE PADLOCKED. THE BOX SHALL CONNECTED TO THE CINGULAR WIRELESS SITE GROUND RING, AND SHALL BE INSTALLED A MINIMUM OF 1 DAYS PRIOR TO THE SCHEDULED SITE ACCEPTANCE DATE. THIS BOX WILL BE SOLELY FOR THE JOINT USE OF CINGULAR WIRELESS, ANY FUTURE COLLOCATORS AND THE LOCAL EXCHANGE PROVIDER.

*JDW*



810 WARETTA HWY  
ROSWELL, GA 30075  
OFFICE: (770) 640-0989  
FAX: (770) 640-7383

185-009

ERICSSON  
6300 LEGACY DRIVE  
PLANO, TX 75024

CH2MHILL  
8619 WEST BRYN MAWR  
CHICAGO, ILLINOIS 60631

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NO	DATE	REVISIONS	BY	CHK	APP'D
B	8/26/06	RE-ISSUED FOR REVIEW	PHR	CJW	CJW
A	5/08/08	ISSUED FOR REVIEW	MAX	CJW	CJW
SCALE:		DESIGNED:	DRAWN:		

**GENERAL NOTES**

JOB #	DRAWING NUMBER	REV
	C02	5

3.4. SPARE CONDUITS  
VENDOR SHALL PROVIDED SPARE CONDUITS AS SHOWN ON THE STANDARD DETAILS.

3.5. ALARM WIRING  
REFERENCE "ATTACHMENT A" FOR STANDARD INSTRUCTIONS AND DETAILS.

4.0. GROUNDING

4.1. GENERAL  
THIS SECTION OUTLINES THE TECHNICAL REQUIREMENTS FOR GROUNDING ALL TYPES OF SITES.

4.1.1. EACH SITE SHALL HAVE AS ITS SINGLE POINT MASTER GROUND AND ANCILLARY ENCLOSURE (EMERSON). THE ENCLOSURE WILL BE AN OUTDOOR CABINET SUPPLIED BY CINGULAR WIRELESS AND INSTALLED BY THE VENDOR PER THE INSTALLATION MANUAL.

4.1.2. THE EMERSON WILL BE THE TERMINATION POINT FOR ALL UTILITY SERVICES WHICH PROVIDES FOR BETTER SINGLE POINT REFERENCING. ALSO ALL TOWER MOUNTED RADIO FEEDERS, POWER CABLES AND TELCO CABLES WILL BE TERMINATED WITH SURGE PROTECTION DEVICES IN THE EMERSON.

4.1.3. THE WORK SHALL ALSO INCLUDE FURNISHING AND INSTALLING ALL GROUND OF TOWER, ICE BRIDGE, ANTENNAS, AND EMERSON.

4.2. GROUNDING SYSTEM DESIGN

4.2.1. THE DESIRED DESIGN VALUE OF EARTH RESISTANCE OF THE GROUND SYSTEM HEREIN DESCRIBED SHALL BE FIVE (5) OHMS OR LESS AS MEASURED AT THE EXTERNAL COUNTERPOISE AT THE SINGLE POINT GROUND ROD WITH THE UTILITY GROUNDS REMOVED AS INDICATED ON THE DETAILS. IN GENERAL, THIS REQUIREMENT SHALL APPLY TO THE WHOLE OF THE INTEGRATED GROUNDING SYSTEM.

4.2.2. IT IS ESSENTIAL FOR THE GROUNDING SYSTEM TO PROVIDED THE LOWEST IMPEDANCE (GROUND RESISTANCE) TO EARTH AND BETWEEN GROUNDED CIRCUITS. THE VENDOR SHALL ACHIEVE THIS BY APPLYING APPROVED WIRING METHODS AS DESCRIBED IN THIS SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE VENDOR TO INFORM CINGULAR WIRELESS OF THE COMPLETION OF THE GROUND RING PRIOR TO BACKFILLING. THIS NOTICE SHOULD BE MADE AT LEAST 48 HOURS PRIOR TO COMPLETION SO CINGULAR WIRELESS CAN MAKE A VISUAL INSPECTION OF THE COMPLETED RING.

4.2.3. THE GROUNDING SYSTEM SHOWN ON THE DETAILS IS EXPECTED TO PROVIDE FOR MAXIMUM EARTH RESISTANCE OF 5 OHMS. AS A PREREQUISITE TO THE SITE ACCEPTANCE BY CINGULAR WIRELESS, VENDOR SHALL PERFORM THE FALL OF POTENTIAL EARTH RESISTANCE TESTING PROCEDURE AS DESCRIBED IN APPENDIX A. VENDOR SHALL NOTIFY CINGULAR WIRELESS OF THE SCHEDULED TEST FOR THE OPTION OF THEIR ATTENDANCE.

4.3. MATERIALS SPECIFICATIONS  
UNLESS OTHERWISE SPECIFIED ON THE DETAILS, THE MATERIALS USED IN ALL EXTERIOR GROUNDING SYSTEMS SHALL BE LIMITED TO THE FOLLOWING:

4.3.1. ALL GROUND RODS SHALL BE 5/8" BY 8' COPPER-CLAD STEEL OR 3/4" BY 8' IF THE GEOTECHNICAL REPORT INDICATES ROCKY SOILS. ACTUAL QUANTITIES, LENGTHS AND LOCATIONS ON THE SITES WILL BE DETERMINED BY A SITE SPECIFIC ANALYSIS.

4.3.2. MAIN GROUNDING CONDUCTORS SHALL BE A MINIMUM OF #2 AWG SOLID BARE TINNED COPPER. UTILITY GROUNDING LEADS SHALL BE A MINIMUM OF #2/0 STRANDED GREEN COATED COPPER UNLESS LOCAL REQUIREMENTS SPECIFY OTHERWISE.

4.3.3. GROUND BARS SHALL BE 1/4 INCH THICK AND 4 INCHES WIDE SOLID COPPER PLATED PRE-DRILLED TO ACCEPT DOUBLE HOLED LUGS. THE LENGTH OF BAR SHALL BE SUITABLE TO THE NUMBER OF CONNECTIONS TO IT WITH A MINIMUM OF 1/2" BETWEEN TWO CONNECTIONS AND CONFORM TO CINGULAR WIRELESS STANDARDS. GROUND BARS SHALL BE MOUNTED ON SUITABLE STANDOFF BRACKETS TO ALLOW FOR EASY CONNECTION OF LUGS AND PREVENT CORROSION DUE TO GALVANIC REACTION.

PROVIDE BUSS BARS AT THE FOLLOWING LOCATIONS:

- 1) TOP OF THE TOWER (DO NOT ISOLATE THIS GROUND BAR FROM THE TOWER)
- 2) INTERMEDIATE TOWER GREATER THAN 200' (DO NOT ISOLATE THIS GROUND BAR FROM THE TOWER)
- 3) BOTTOM OF THE TOWER (DO NOT ISOLATE THIS GROUND BAR FROM THE TOWER)

SELF-SUPPORT AND GUY TOWER - LOCATE WITHIN 24" OF THE COAX CABLE BEND.

MONOPOLE - LOCATE BENEATH THE COAX EXIT PORTAL

- 4) CABLE ICE BRIDGE - LOCATE PRIOR TO THE EQUIPMENT PAD. ISOLATE THIS GROUND BAR FROM THE ICE BRIDGE.
- 5) A-BOX - SITE MASTER GROUND BAR, SUPPLIED BY CINGULAR WIRELESS AND EACH GROUND BAR SHALL BE INSTALLED WITH ITS OWN LEAD TO THE COUNTERPOISE.

4.3.4. THE MECHANICAL CONNECTORS MAY BE USED TO ALARM SURGE SUPPRESSORS AND THE ANTENNA BUSS BARS. MECHANICAL FITTINGS SHALL BE COPPER, BRONZE, OR BRASS WITH TWO BOLT LUG CONNECTIONS. JUGS SHALL HAVE BOLTED COMPRESSION TYPE CLAMP FITTING FOR CONDUCTOR ATTACHMENT, AND BE OF THE CORRECT WIRE SIZE.

4.3.5. GROUNDING KITS FOR USE AS BONDS FOR COAXIAL CABLES SHALL PROVIDE A COMPLETE PRODUCT. KIT SHALL BE SUITABLE TO PROVIDE A HIGH GRADE GROUNDING CONNECTION TO THE COAXIAL CABLE. GROUND STRAP SHALL BE PER MIL-STD-188-124A SPECIFICATIONS AND PROVIDE CERTAINTY OF OPERATION WITHSTANDING 99% OF ALL POSSIBLE LIGHTNING STRIKES.

4.3.6. PVC CONDUITS WHEN SPECIFIED HEREIN, SHALL BE UL LISTED SCHEDULE 40 AND MEET UL STANDARDS 651, AND NEMA TC2-1990. CONDUITS SHALL BE INSTALLED WITH LONG RADIUS PULLING BENDS. THE MINIMUM RADIUS OF ALL BENDS SHALL BE 8 TIMES THE CONDUIT SIZE. CONDUITS SHALL BE INSTALLED WITH GLUED SCHEDULE 40 FITTINGS PER THE MANUFACTURER'S RECOMMENDATIONS.

4.3.7. WHENEVER MULTIPLE, SIMILAR COMPONENTS ARE EMPLOYED IN A SYSTEM, SUCH AS MULTIPLE BONDING LEADS ATTACHING TO A BUSS BAR WHERE THEY CANNOT BE EASILY VISUALLY TRACED, EACH COMPONENT SHALL BE LABELED WITH ITS POINT OF ORIGIN AND/OR PURPOSE.

4.4. GROUNDING COUNTERPOISE INSTALLATION

4.4.1. PROTECTION FOR PERSONNEL AND EQUIPMENT SHALL BE PROVIDED WITH THE INSTALLATION OF A CONTINUOUS UNDERGROUND COUNTERPOISE, "GROUND RING", AROUND EACH STRUCTURE ON SITE.

4.4.2. COUNTERPOISE GROUND RINGS SHALL CONSIST OF #2 AWG TINNED SOLID COPPER WIRE.

4.4.3. COUNTERPOISE SHALL BE BURIED TO A DEPTH OF AT LEAST 18" BUT NOT MORE THAN 24" BELOW FINISHED GRADE.

4.4.4. COUNTERPOISE SHALL BE INSTALLED AT LEAST 2' BUT NO MORE THEN 3' FROM THE PERIMETER OF THE STRUCTURE IT SURROUNDS. SHARP CORNERS AT CHANGES IN DIRECTION OF THE COUNTERPOISE SHALL NOT BE PERMITTED. THE RADIUS OF THE CORNERS SHALL BE AT LEAST TWO FEET.

4.5. GROUND ROD INSTALLATION

4.5.1. GROUND RODS SHALL BE LOCATED AS SHOWN ON THE DETAILS AND CONNECTED TO THE COUNTERPOISE.

4.5.2. GROUND RODS SHALL BE DRIVEN VERTICALLY TO THE REQUIRED DEPT. IF HARD ROCK IS ENCOUNTERED, RODS MAY BE DRIVEN UP TO A FORTY-FIVE DEGREE ANGLE TO OBTAIN THE REQUIRED EMBEDDING OF THE ROD TOP. RODS THAT CAN NOT BE DRIVEN IN THIS MANNER, MUST HAVE A HOLE AUGURED AND THEN INSTALLED.

4.5.3. RODS SHALL BE LOCATED SUCH THAT NO ROD IS CLOSER THEN 2' FROM ANY FOUNDATION. RODS SHALL BE SPACED A MINIMUM OF 5' APART OR AS SHOWN ON THE DETAILS. AN OPTIMUM SEPARATION FOR 8' RODS IS CONSIDERED TO BE 16'.

4.6. COUNTERPOISE CONNECTIONS

4.6.1. CONNECTION OF THE EMERSON TO THE GROUND COUNTERPOISE SHALL BE WITH A #2 AWG BARE SOLID TINNED COPPER GROUND WIRE. THE CONDUCTORS SHALL BE CONNECTED TO THE COUNTERPOISE AND THE SITE MASTER GROUND BAR IN THE EMERSON. THE CONNECTION TO THE COUNTERPOISE SHALL BE TO ONE COMMON GROUND ROD. THIS ROD SHALL BE THE "SINGLE POINT GROUND ROD," AS LOCATED ON THE DETAILS.

4.6.2. THE GROUND WIRE USED FOR CONNECTION OF THE EMERSON TO THE SINGLE POINT GROUND SHALL BE PROVIDED BY THE VENDOR.

4.6.3. THE SITE MASTER GROUND BAR SHOULD BE CONNECTED TO THE SINGLE POINT GROUND ROD IN THE FORTH SET OF HOLES FROM THE LEFT OF THE BUSS BAR. THE FIRST THREE SETS OF HOLES TO THE LEFT WILL BE RESERVED FOR THE BTS EQUIPMENT. ALL OTHER CONNECTIONS SHOULD BE TO THE RIGHT OF THE SINGLE POINT CONNECTION TO PREVENT ANY SURGES FROM BEING TRANSFERRED TO THE BTS'S.

4.6.4. ALL CONNECTIONS TO THE COUNTERPOISE SHALL BE #2 AWG SOLID BARE TINNED COPPER CONDUCTORS.

4.6.5. ALL ABOVE GROUND MECHANICAL CONNECTIONS WITHIN THE GROUNDING SYSTEM SHALL BE SANDED TO BARE METAL AND TREATED WITH A-OXIDANT COMPOUND.

4.6.6. METHODS OF CONNECTION

4.6.6.1. ALL CONNECTIONS BETWEEN THE GROUND RING, GROUND RODS, GROUND CONDUCTORS, AND/OR EXTERIOR GROUND BARS SHALL BE EXOTHERMIC WELDS. ACCEPTABLE EXOTHERMIC WELDING PROCESSES ARE CADWELD OR THERMOWELD. ALL EXOTHERMIC WELDS SHALL BE SUBSEQUENTLY TREATED WITH TWO COATS OF A ZINC RICH COLD GALVANIZING PAINT.

4.6.6.2. MATERIALS USED IN SITE AND EQUIPMENT BOUNDING AND GROUNDING SHALL BE MADE EXCLUSIVELY BETWEEN THE SAME METALS, OR BETWEEN METALS CLOSE TO ONE ANOTHER IN THE ELECTROCHEMICAL SERIES. ALL MECHANICAL CONNECTIONS SHALL BE THOROUGHLY COATED WITH AN ANTI-CORROSION SEALANT.

4.7. METAL FENCE CONNECTIONS

4.7.1. METAL FENCES SHALL BE GROUNDED WITH ONE GROUND ROD AT EACH CORNER, AND EACH ROD SHALL BE CONNECTED TO THE NEAREST COUNTERPOISE. IF THE CINGULAR WIRELESS COUNTERPOISE IS LOCATED LESS THEN TEN (10) FEET FROM THE FENCE, IT MUST BE GROUNDED.

4.7.2. METAL FENCE GATES SHALL BE BONDED TO THERE SUPPORT POSTS WITH A #2 AWG PRE-FABRICATED FLEXIBLE JUMPER CABLE, 24 INCHES LONG, CADWELD BRAND OR APPROVED EQUAL IF THE CINGULAR WIRELESS COUNTERPOISE IS LOCATED LESS THAN THREE (3) FEET FROM THE FENCE GATEPOST, IT MUST BE GROUNDED.

4.7.3. METAL GATE SUPPORT FENCE POSTS SHALL BE BONDED ACROSS THE OPENING OF THE GATE WITH A MINIMUM OF A #2 AWG BARE TINNED COPPER WIRE BURIED AT A DEPTH OF AT LEAST 18"

4.8. OTHER CONNECTIONS

1. FUEL AND OTHER METALLIC STORAGE TANKS SHALL BE BONDED TO THE METAL FENCE AND COUNTERPOISE WITH A #2 AWG BARE COPPER WIRE.

2. CABLE TRAYS SHALL BE BONDED OVER THEIR LENGTH EVERY 10 FEET AND TO THE COUNTERPOISE 2 CONDUCTORS SHALL BE INSTALLED IN CONDUIT WHEREVER THEY MAY BE PHYSICALLY DAMAGED BY AUTOMOBILE TRAFFIC, OR RUN IN CONCRETE. ALL CONDUITS SHALL BE AS SPECIFIED IN 7.3.6, WITH LONG RADIUS PULLING BENDS. THE MINIMUM RADIUS OF ALL BENDS SHALL BE 8 TIMES THE CONDUIT SIZE, BUT NOT LESS THEN 8 INCHES.

3. GRC METALLIC CONDUITS ARE NOT RECOMMENDED FOR PROTECTING BARE GROUNDING CONDUCTORS. HOWEVER, WHEN REQUIRED BY LOCAL CODES, THE CONDUIT CONDUCTOR SHALL BE BONDED TO THE CONDUIT AT BOTH ENDS.

4.9. GROUNDING INSTALLATION PROCEDURES

4.9.1. FEEDER CABLE GROUNDING

1. COAX CABLES SHALL BE BONDED TO THE TOWER AT LEAST AT THE TOP OF THE TOWER AND BOTTOM USING APPROVED GROUND KITS WITH #6 AWG BLACK INSULATED STRANDED CABLE.

2. GROUNDING STRAP KITS SHALL BE SUPPLIED BY ANDREW CORPORATION, OR APPROVED EQUAL. THE LEAD SHALL BE BONDED AT THE GROUND LEVEL TO A BUSS BAR SUPPLIED BY THE VENDOR. THE BUSS BAR SHALL BE SUITABLE TO THE NUMBER OF TRANSMISSION LINES ENTERING OR EXITING THE STRUCTURE.

A-NON METALLIC CONDUITS ARE TO BE USED FOR ANY BURIED PART OF THE COAX CABLE.

B-FIBER OPTIC CABLES SHALL BE ROUTED SO THEY ENTER THE SITE AT THE SERVICES ENTRANCE, AND METALLIC OR OTHERWISE MEMBERS WITHIN EACH CABLE ARE INTERRUPTED AND GROUNDED TO THE SITE MASTER GROUND BUSS.

3. ALL FASTENERS USED TO CONNECT THE GROUNDING KIT LEADS TO THE BUSS BAR SHALL BE OF SUITABLE MATERIAL AND ALL CONNECTIONS SHALL HAVE A PROTECTIVE COATING OF COPPER KOTE BETWEEN THE LUGS AND BUSS BAR.

4. THE OUTER CONDUCTOR OF COAX CABLES SHALL BE BONDED AND GROUNDED PRIOR TO START OF EQUIPMENT PAD.

4.9.2. TELEPHONE CABLE GROUNDING

1. ALL TELEPHONE CABLES SHALL ENTER THE SITE AND TERMINATE AT THE TELCO DEMARCATION POINT IN THE EMERSON.

2. EACH TELEPHONE CABLE SHALL BE RUN AT THE DEMARCATION POINT THROUGH A SURGE PROTECTION DEVICE IN THE EMERSON WHICH IS GROUNDED TO THE SITE MASTER GROUND BUSS.

3. TELEPHONE CABLES SHALL BE ROUTED INTO THE SITE USING PVC CONDUIT FROM THE EMERSON TO A POINT AS SHOWN ON THE DRAWINGS.

4.9.3. POWER CABLE GROUNDING

1. ALL POWER CABLES SHALL ENTER THE SITE AND TERMINATE AT THE AC UTILITY METER DEMARCATION POINT (SOCKET).

2. THE UTILITY POWER CABLE SHALL RUN THROUGH A SURGE PROTECTION DEVICE IN THE EMERSON, WHICH IS GROUNDED TO THE COUNTERPOISE VIA A #2 AWG BARE TINNED COPPER WIRE.

3. WHEN THE UTILITY TERMINATION MUST BE SEPARATE FROM THE EMERSON, IT SHALL BE AT A COMMON LOCATION TO THE OTHER SERVICES.

4. VENDOR SHALL ENSURE THAT THE NEUTRAL IS BONDED TO GROUND AT THE MAIN DISCONNECT SWITCH WHICH IS GENERALLY LOCATED EITHER INSIDE THE EMERSON. A GREEN CONDUCTOR FOR GROUND AND A WHITE CONDUCTOR FOR NEUTRAL SHALL ORIGINATE AT THIS POINT AND REMAIN SEPARATED ALL THROUGHOUT THE GROUND SITE.

5. ALL COMMERCIAL UTILITY CABLES SHALL BE ROUTED INTO THE SITE USING PVC CONDUITS FROM THE EMERSON TO A POINT AS SHOWN ON THE DRAWINGS.

\*CONDUCTORS SHALL BE INSTALLED IN CONDUIT WHEREVER THEY MAY BE PHYSICALLY DAMAGED BY AUTOMOBILE TRAFFIC, OR RUN IN CONCRETE. ALL CONDUITS SHALL BE AS SPECIFIED IN 7.3.6, WITH LONG RADIUS PULLING BENDS. THE MINIMUM RADIUS OF ALL BENDS SHALL BE 8 TIMES THE CONDUIT SIZE, BUT NOT LESS THAN 8 INCHES.

\* GRC METALLIC CONDUITS ARE NOT RECOMMENDED FOR PROTECTING BARE GROUNDING CONDUCTORS. HOWEVER, WHEN REQUIRED BY LOCAL CODES, THE CONDUIT CONDUCTOR SHALL BE BONDED TO THE CONDUIT AT BOTH ENDS.

JPN

infinigy  
engineering

810 WAREHIA HWY  
ROSWELL, GA 30075  
OFFICE: (770) 640-0988  
FAX: (770) 640-7383

185-009

ERICSSON  
6300 LEGACY DRIVE  
PLANO, TX 75024

CH2MHILL  
8619 WEST BRYN MAWR  
CHICAGO, ILLINOIS 60631

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WIRELESS

NO	DATE	REVISIONS	BY	CHK	APP'D
B	5/26/06	RE-ISSUED FOR REVIEW	PHR	CJW	CJW
A	5/08/06	ISSUED FOR REVIEW	MAK	CJW	CJW

SPECIFICATIONS

JOB #	DRAWING NUMBER	REV



NOTE:  
SHELTER INTERIOR  
IS 8'-8" HIGH

**GENERAL NOTES:**

REMOVE AND REPLACE EXISTING ANTENNAS, INSTALL TDMA AND INSTALL RET SYSTEM WITH CONTROLS.

INSTALL NEW SURGE ARRESTOR ON GSM, UMS AND TDMA LINES.

INSTALL DIPLEXERS, CIU AND PDU RECONFIGURE GSM AND UMS JUMPERS TO RF REQUIREMENTS.

PROVIDED SWEEP TEST AND CLOSE-OUT DOCUMENTATION.

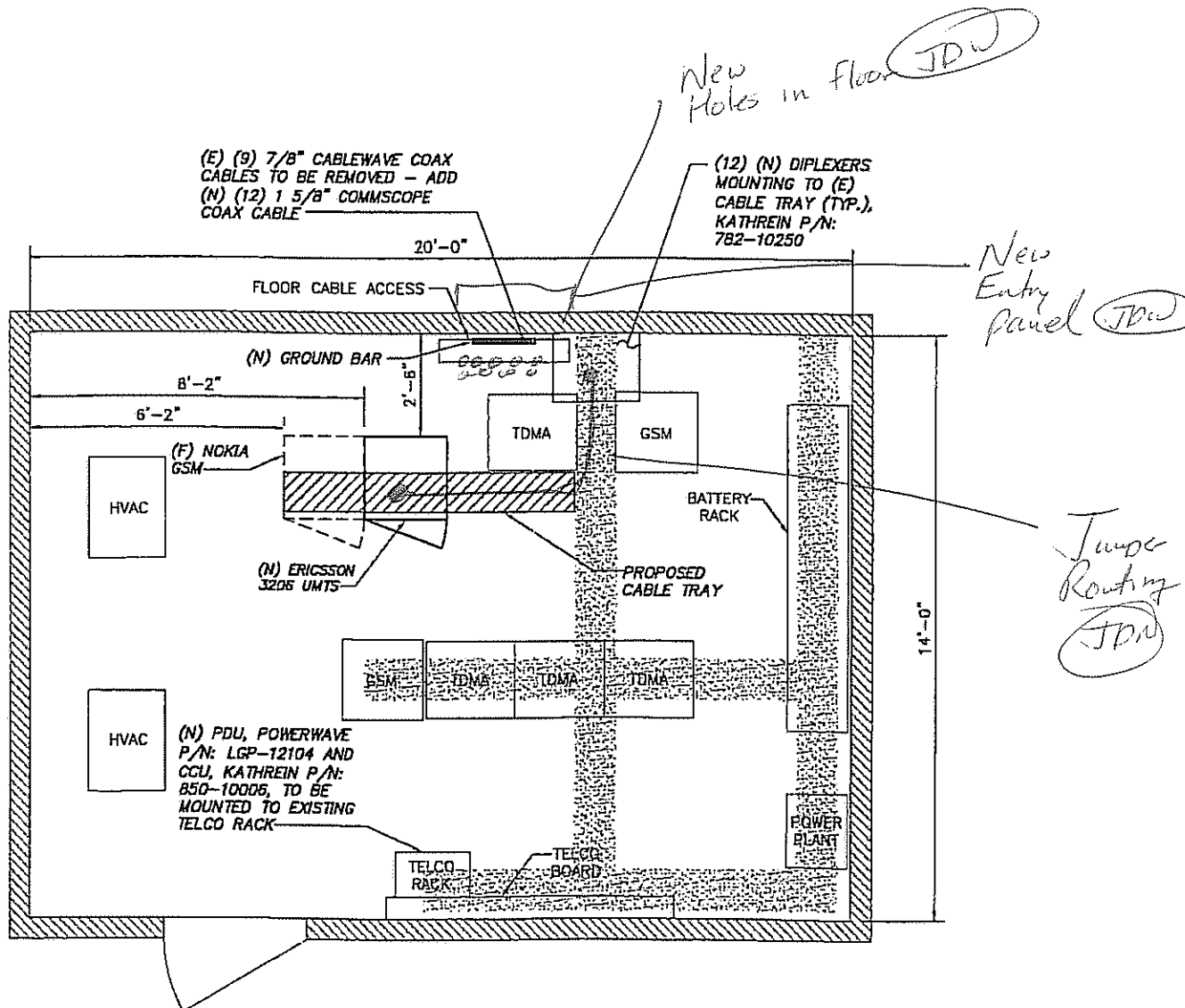
INSTALL NEW JUMPERS-COLOR CODED. COLOR CODE PER CINGULAR STANDARDS.

INSTALL NEW GROUND BAR AT EACH ANTENNA SECTOR AND ONE (1) COLLECTOR BAR AT ANTENNA LEVEL.

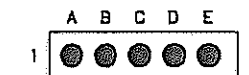
MODIFY EXISTING GROUND BAR AT CABLE ENTRY PORT TO ACCOMMODATE ADDITIONAL COAX.

INSTALL NEW CABLE MOUNTS FOR ADDITIONAL COAX CABLES.

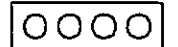
MODIFY EXISTING ICE BRIDGE TO ACCOMMODATE ADDITIONAL COAX.



(E) CABLE ENTRY PORT (INTERIOR VIEW)



● USED  
○ UNUSED



NOTE:  
1 ADDITIONAL COAX PORT NEEDED TO ACCOMMODATE NEW COAX IN EQUIPMENT ROOM FLOOR AND 1 COAX PORT NEEDED FOR EXTERIOR PORT.

**SYMBOLS AND MATERIALS**

- ◊ SH DETAIL REFERENCE
- ⬆ SH SECTIONS AND DETAILS
- ▨ CONCRETE
- ▩ EARTH
- ▧ GRAVEL/STONE

**SITE LEGEND**

- PROPERTY LINE
- x-x-x-x-x- FENCE LINE
- (E) EXISTING
- (N) NEW
- (F) FUTURE

- INSTALL (1) (RET) CONTROL CABLES



**1 EQUIPMENT LAYOUT**

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

**infinigy**  
engineering

810 HARRIS HWY  
ROSWELL, GA 30075  
OFFICE: (770) 640-8888  
FAX: (770) 640-7363  
185-009

ERICSSON  
6300 LEGACY DRIVE  
PLANO, TX 75024

CH2MHILL  
8619 WEST BRYN MAWR  
CHICAGO, ILLINOIS 60631

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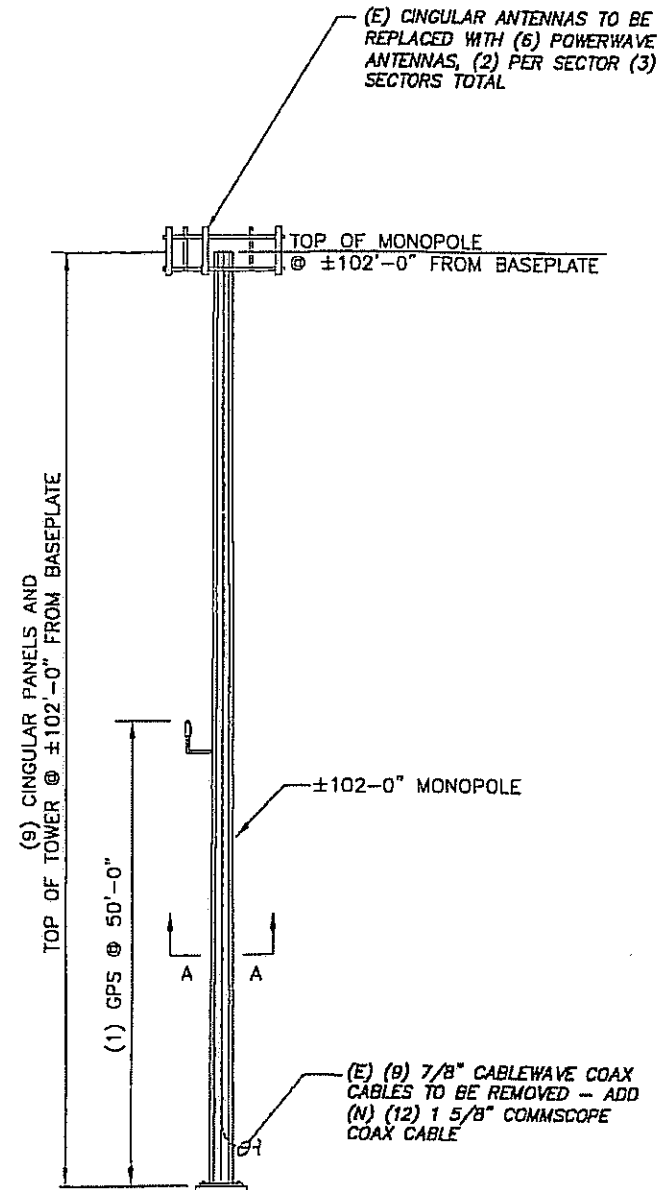
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A	5/08/06	ISSUED FOR REVIEW	MAK	CJW	CJW

**SHELTERPLAN/  
EQUIPMENT PLAN**

JOB #	DRAWING NUMBER	REV
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INFINIGY ENGINEERING DID NOT PERFORM A STRUCTURAL ANALYSIS FOR THE PROPOSED WORK AND ACCEPTS NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED OR EXISTING INSTALLATION. STRUCTURAL ANALYSIS TO BE COMPLETED BY OTHERS.



OK  
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**1 TOWER ELEVATION**

SCALE: 1" = 20'-0"

**infinigy**  
engineering

810 MARIETTA HWY  
ROSWELL, GA 30075  
OFFICE: (770) 646-9889  
FAX: (770) 646-7383  
185-009

ERICSSON  
6300 LEGACY DRIVE  
PLANO, TX 75024

**CH2MHILL**  
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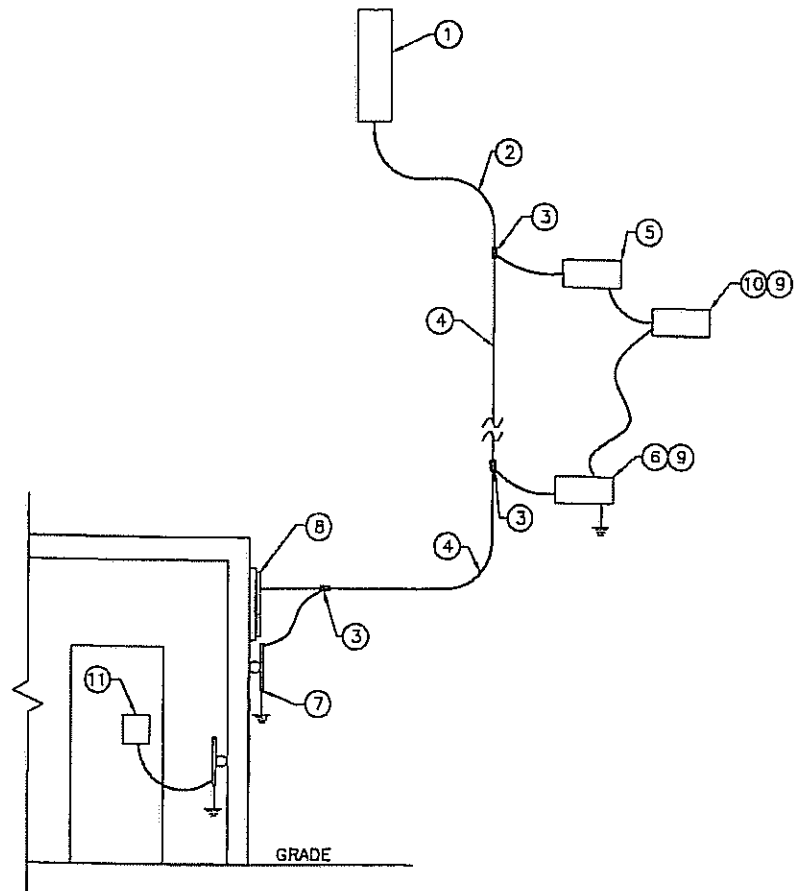
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**TOWER ELEVATION**

JOB #	DRAWING NUMBER	REV



OK  
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- ① NEW ANTENNA (2) PER SECTOR
- ② 1/2" DIA JUMPER CABLE
- ③ COAX GROUNDING KIT
- ④ COAX ANTENNA CABLE
- ⑤ NEW GROUND BAR(S) AT OR NEAR ANTENNA MOUNTS (1) PER SECTOR
- ⑥ NEW GROUND BAR AT BASE OF TOWER
- ⑦ EXISTING GROUND BAR MOUNTED AT SHELTER WALL
- ⑧ EXISTING WAVEGUIDE ENTRY PORT
- ⑨ BACK TO BACK GROUND LUGS ARE ACCEPTABLE IF OPEN POSITIONS ARE NOT AVAILABLE ON EXISTING GROUND BARS.
- ⑩ NEW COLLECTION GROUND BAR.
- ⑪ GROUND NEW EQUIPMENT CABINET TO EXISTING EQUIPMENT GROUND BAR—PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.

1

**GROUNDING RISER DIAGRAM**

SCALE: NTS

**infinigy**  
engineering  
810 MARBETTA HWY  
ROSWELL, GA 30075  
OFFICE: (770) 640-9859  
FAX: (770) 640-7383  
185-009

**ERICSSON**  
6300 LEGACY DRIVE  
PLANO, TX 75024

**CH2MHILL**  
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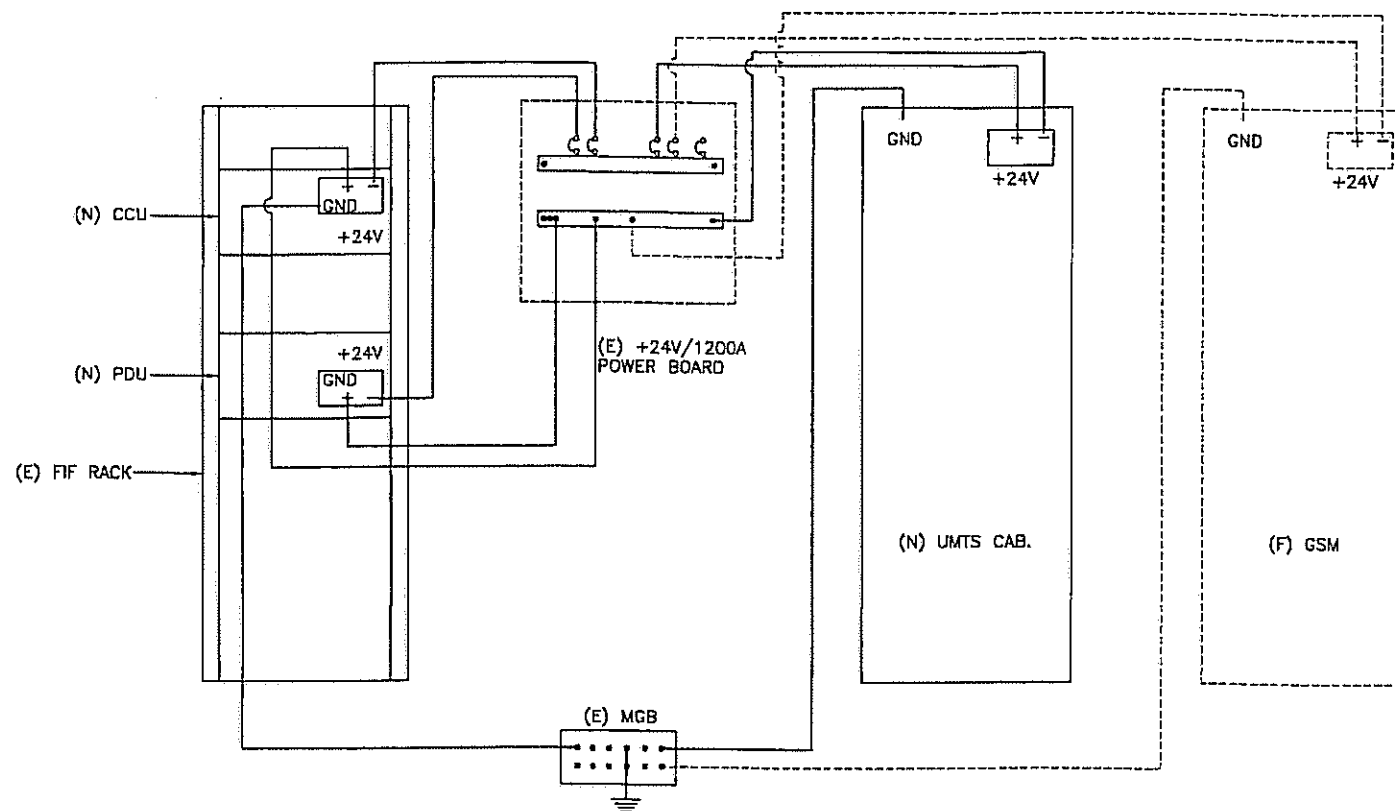
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**GROUNDING RISER  
DIAGRAM**

JOB #	DRAWING NUMBER	REV



- NOTES:
1. CABLE TO UMTS SHALL BE COBRA COP-FLEX 2000, FLEXIBLE CLASS B, STRANDING OR APPROVED EQUAL.
  2. THE USE OF 4-1/C #4 AWG RHW OR RHH IS ACCEPTABLE FOR CABLE NOT EXCEEDED 33FT. FOR LENGTHS GREATER THEN 33FT CONSULT ENGINEERING FOR CONDUCTORS.
  3. EXISTING +24V DC POWER SYSTEM SHALL BE AUGMENTED TO SUPPORT INDOOR BTS EQUIPMENT. POWER SYSTEM N+1 REDUNDANCY SHALL BE MAINTAINED. IF REQUIRED, ONE 100A MODULAR RECTIFIER SHALL BE ADDED TO EXISTING POWER PLANTS. FURNISH AND INSTALL CIRCUIT PROTECTION AS SHOWN RATED TO MATCH EXISTING PLANT.
  4. THE POWER CABLE AND GROUNDING CABLE SHALL BE CONNECTED TO THE RESPECTIVE DC DISTRIBUTION PANEL AND MGB. THE OTHER END OF THE CABLES SHALL BE COILED ABOVE THE BTS AND ABOVE THE FLOOR OVER THE POSITION OF THE BTS. CABLE CONNECTIONS TO THE BTS WILL BE BY OEM. CABLE TO BE EXTENDED AND SEWN TO RACK BY OTHERS.
  5. INSTALL FOUR (4) 80A OVERCURRENT PROTECTIVE DEVICES DIRECTLY TO DISTRIBUTION BUS IN EXISTING POWER BOARD. WHEN SPACE ALLOWS, PROVIDE CIRCUIT BREAKERS RATED TO MATCH EXISTING POWER BOARD CIRCUIT RATING, OTHERWISE INSTALL BUSSMANN TYPE TLP FUSE (FACTORY MODIFIED, ENGINEERING APPROVED) IN ACCORDANCE WITH ENGINEERING APPROVED AUXILIARY BREAKER PANEL.

*JDN*

CINGULAR WILL BE RESPONSIBLE FOR DETERMINING THE ADEQUACY OF THE EXISTING DC POWER PLANT CAPACITY TO SUPPORT THE ADDITION OF THE NEW EQUIPMENT

1 RISER DIAGRAM

SCALE: NTS

**infinigy**  
engineering  
810 MARETTA HWY  
ROSWELL, GA 30075  
OFFICE: (770) 840-9889  
FAX: (770) 840-7383  
185-009

ERICSSON  
6300 LEGACY DRIVE  
PLANO, TX 75024

**CH2MHILL**  
8619 WEST BRYN MAWR  
CHICAGO, ILLINOIS 60631

WETHERSFIELD - CO  
SITE NO. 1074  
75 WELLS ROAD  
WETHERSFIELD, CT 06109



NO	DATE	REVISIONS	BY	CHK	APP'D
B	8/28/06	RE-ISSUED FOR REVIEW	PHR	CJW	CJW
A	5/08/08	ISSUED FOR REVIEW	MAK	CJW	CJW

RISER DIAGRAM

JOB #	DRAWING NUMBER	REV

# **ATTACHMENT F**

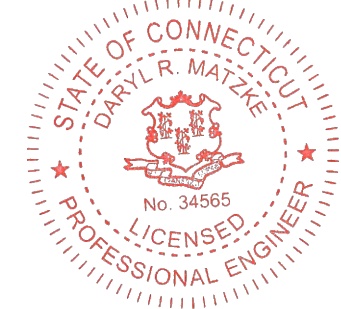
## Updated Site Plan



PREPARED FOR:

CONSULTANT:  
**GENERAL DYNAMICS**  
 Information Technology, Inc.  
 GENERAL DYNAMICS  
 101 STATION DR  
 WESTWOOD, MA 02090

Certification & Seal:  
 I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Connecticut.



*[Signature]* 11/16/2023  
 Date:

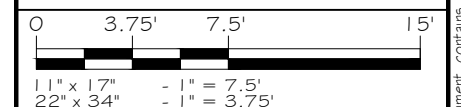
MARK	DATE	DESCRIPTION
O	11/16/23	FINAL CDs
A	09/14/23	REVISED PCDs

ISSUE PHASE: FINAL DATE ISSUED: 11/16/2023

PROJECT TITLE:  
**WETHERSFIELD**  
**FA ID # 10035051**

PROJECT INFORMATION:  
 75 WELLS ROAD  
 WETHERSFIELD, CT 06109

SHEET TITLE:  
**SITE PLAN & EQUIPMENT LAYOUT**



PROJECT NUMBER: 54151  
 SHEET NUMBER: A-1

EXISTING AC PANEL AND MTS  
 EXISTING AT&T EQUIPMENT SHELTER  
 EXISTING TELCO BOARD

EXISTING GEN. FOR BUILDING

10'-0" EXHAUST RADIUS

#2 AWG SOLID TINNED COPPER GROUND WIRE TO EXISTING FENCE GROUND RING, GROUND GENERATOR PER MFG. SPECS. SEE DETAIL 2/E-3.

#2 AWG SOLID TINNED COPPER GROUND WIRE TO PROPOSED GROUND ROD, GROUND GENERATOR PER MFG. SPECS. SEE DETAIL 2/E-3.

PROPOSED AT&T GENERAC 50KW DIESEL GENERATOR LOCATION. SEE SHEET E-4 FOR SPECIFICATIONS.

PROPOSED AT&T 4'-0" X 10'-0" CONCRETE PAD. SEE SHEET S-1 FOR DETAILS.

PROPOSED AT&T UNDERGROUND GENERATOR CONDUIT ROUTE. SEE DETAIL 2/S-1

PROPOSED AT&T AUTOMATIC TRANSFER SWITCH ON EXISTING EQUIPMENT BUILDING W/ 3' CLEARANCE IN FRONT. SEE SHEET E-3 FOR DETAILS.

NOTE:  
 EXISTING AT&T METER & DISCONNECT UNABLE TO LOCATE.

EXISTING MONOPOLE

EXISTING ICE BRIDGE, TYPE

SCOPE OF WORK DETAILS

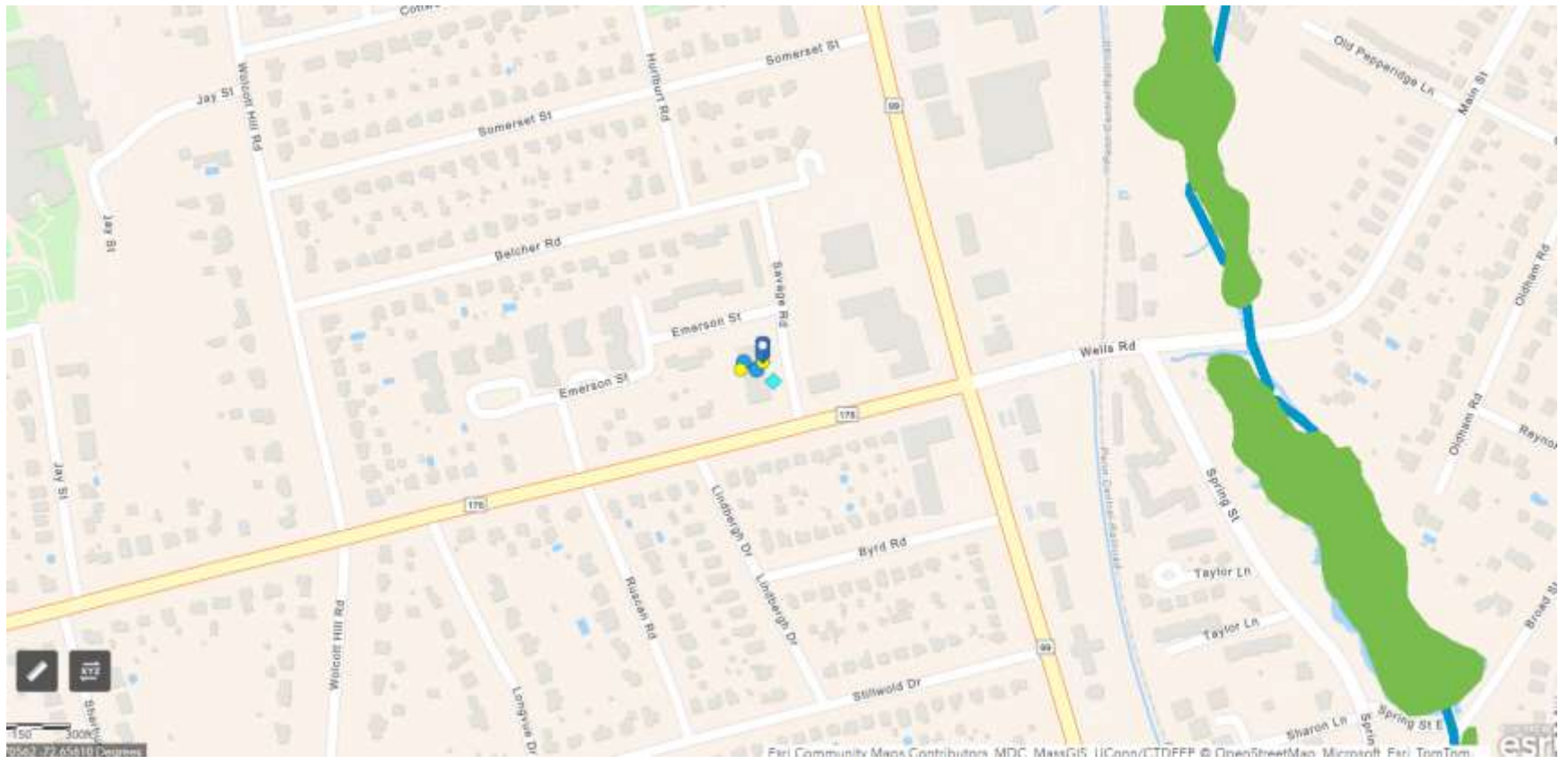
- GENERAL:**
- NEW GENERAC DIESEL GENERATOR PROVIDED BY GENERAL DYNAMICS & INSTALLED BY GENERAL CONTRACTOR, SEE E-4.
  - NEW 4'-0" X 10'-0" CONCRETE PAD PROVIDED & INSTALLED BY GENERAL CONTRACTOR (AS REQUIRED) SEE S-1
  - NEW GENERAC AUTOMATIC TRANSFER SWITCH PROVIDED BY GENERAL DYNAMICS & INSTALLED BY CONTRACTOR (AS REQUIRED) SEE E-3 & E-5.
  - CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION
  - CONTRACTOR SHALL RESTORE & REPAIR ANY DAMAGED AREAS CAUSED BY CONSTRUCTION TO ORIGINAL OR BETTER CONDITION
- CONDUITS:**
- INSTALL PULL STRING IN EACH CONDUIT
  - (1) NEW 2" AND (1) NEW 1" ELECTRICAL CONDUITS WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO NEW ATS. CONDUIT PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
  - (1) NEW 1" ELECTRICAL CONDUIT WITH CONDUCTORS TO RUN FROM NEW GENERATOR TO AC PANEL. CONDUIT PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
  - (1) NEW 1" ALARM CONDUIT & CABLING PROVIDED & INSTALLED BY GENERAL CONTRACTOR. SEE E-1, E-2 & E-3.
- GROUNDING:**
- NEW EXOTHERMIC CONNECTION FROM EXISTING GROUND RING TO NEW MECHANICAL CONNECTION AT GENERATOR CHASSIS. GENERAL CONTRACTOR TO VERIFY LOCATION IN FIELD. LOCATE GROUND RODS NO MORE THAN 8'-0" APART.

**SITE PLAN**  
 SCALE: 0.011069

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# **ATTACHMENT G**

## Wetland Map



Fair Community Maps Contributors, MDC, MassGIS, UConn/CTDEFP, © OpenStreetMap, Microsoft, Fair, TomTom



## **ATTACHMENT H**

Notice to abutting property owners

and other interested parties

as well as proof of delivery,

tax records included (CSC only)

ORIGIN ID:GALA (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **FRED PRESLEY**  
**TOWN OF WETHERSFIELD, TOWN MANAGER**  
**505 SILAS DEANE HWY**

**WETHERSFIELD CT 06109**

(860) 721-2800

REF:

PO:

DEPT:



J242024032601uv

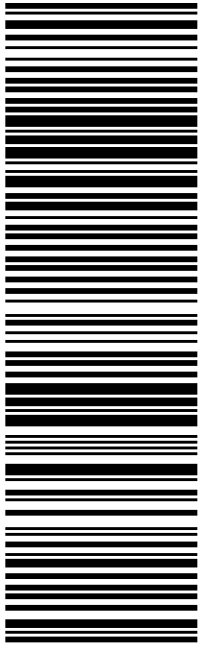
TRK# 0201 7762 9337 7819

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EBBDLA**

06109

CT-US BDL



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2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293377819

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	
<b>Signed for by:</b>	Signature release on file	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:47

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293377819	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	1.0 LB/0.45 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

ORIGIN ID: GAIN (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGHT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

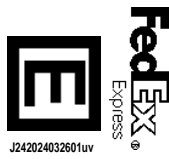
TO **DOMINICK CARUSO**  
**TOWN OF WETHERSFIELD, TOWN PLANNER**  
**505 SILAS DEANE HWY**

**WETHERSFIELD CT 06109**

REF: (860) 721-2838

PO: INV:

DEPT:



J242024032601uv

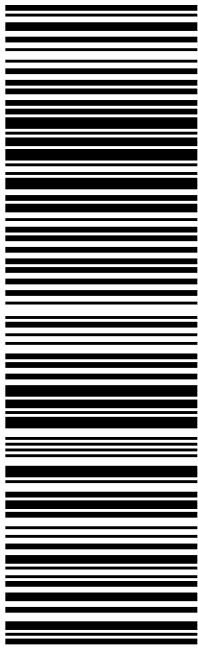
TRK# 0201 7762 9344 1122

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EB BDLA**

06109

CT-US BDL



583J3/C137/9AE3

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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293441122

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	
<b>Signed for by:</b>	Signature release on file	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:47

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293441122	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **JENNIFER WILLIAMS &  
IMANI ASHLEIGH WATKINS**  
74 WELLS ROAD

**WETHERSFIELD CT 06109**

PO: (000) 000-0000 REF: DEPT:



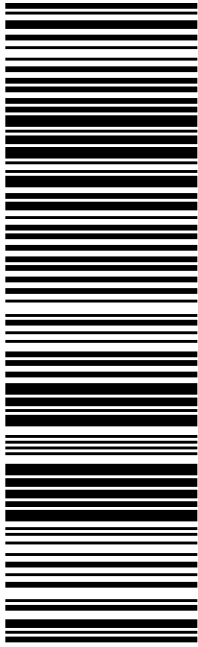
J242024032601uv

TRK# 0201 7762 9348 8705

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EB BDLA**

06109  
CT-US BDL



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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293488705

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:55

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293488705	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

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Thank you for choosing FedEx





Unique ID: 204017

Wethersfield

<b>Location:</b>	74 WELLS RD	<b>Unit</b>	
<b>911 Address:</b>			
<b>Map/Block/Lot</b>	204 017		

General Description		Description	Area/Qty	Value
<b>Building Use</b>	Single Family	Base Rate	1,688	151,414
<b>Unit</b>		Basement	624	9,360
<b>Overall Condition</b>	Good	Fireplace	1	3,000
<b>Class</b>	C	Full Baths	2	10,000
<b>Stories</b>	2.00	Value Before Depr.	0	173,774
<b>Design (Style)</b>	Colonial	Depr/Adjust Amount	0	48,657
<b>Construction</b>	Wood Frame	Final Value (After Depr)	0	125,117
<b>Year Built</b>	1938			
<b>Percent Complete</b>	100			

<b>Finished Area</b>	1,688	Finished Area Does Not Include Finished Basement Area		
<b>Foundation</b>				
<b>Basement Area</b>	624			
<b>Basement Finish</b>	0			
<b>Bsmt Room Style</b>				
<b>Basement Walls</b>				
<b>Outside Entry</b>				
<b>Basement Garage Bays</b>	0			
<b>Sump Pump</b>	NO			
		<b>Grade Factor</b>	0	<b>Physical Depreciation %</b>
		<b>Economic Depreciation %</b>	0	<b>Functional Depreciation %</b>
		<b>Attached Component Computations</b>		

HVAC				Type	Yr Built	Condition	Area/Qty	Value
<b>Heating Type</b>	Hot Water	100 %		Wood Deck	1938	Good	304	3,721
<b>Fuel</b>	Natural Gas			Enclosed Porch	1938	Good	112	1,452
<b>Cooling Type</b>	None	0 %						

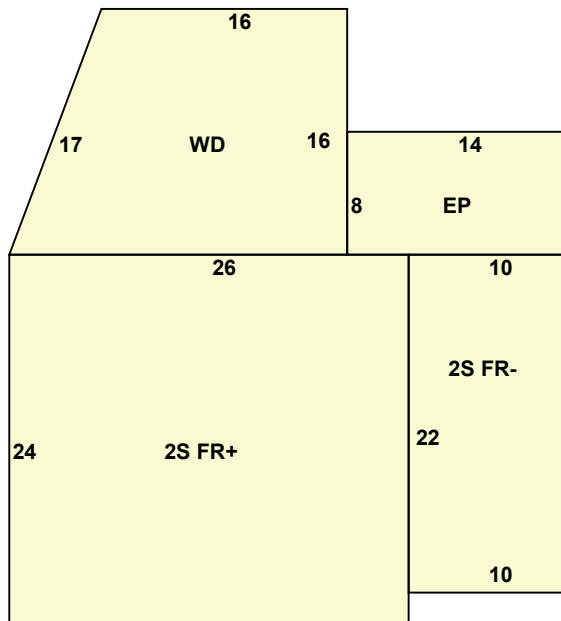
Interior			
<b>Floors</b>	Hardwood		
<b>Attic Access</b>			
<b>Walls</b>	Plaster		
<b>Fireplaces</b>	1		
<b>Wood Stoves</b>	0		

Exterior			
<b>Exterior</b>	Vinyl Siding		
<b>Roof Cover</b>	Asphalt		
<b>Roof Type</b>	Gambrel		

**Total Building Value 130,290**

Special Features					Detached Component Computations				
Type	Yr Bilt	Condition	Area/Qty	Value	Type	Yr Bilt	Condition	Area/Qty	Value
					Frame Garage	1938	Fair	396	5,816

Room Summary				
Total	Bedroom	Kitchens	Full Bath	Half Bath
7	3	1	2	0



ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **SANDRA JOHANSEN &  
JENNIFER TENORE**  
**87 WELLS ROAD**

**WETHERSFIELD CT 06109**

PO: (000) 000-0000 REF: DEPT:



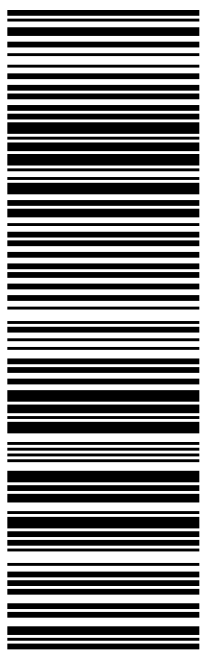
J242024032601uv

TRK# 0201 7762 9352 9168

**THU - 09 MAY 10:30A**  
**PRIORITY OVERNIGHT**

**EB BDLA**

06109  
CT-US BDL



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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293529168

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:52

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293529168	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

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Unique ID: 204086

Wethersfield

Card No: 1 of 1

<b>Location:</b>	87 WELLS RD	<b>Map/Lot:</b>	204 086	<b>Zone:</b>	A	<b>Date Printed:</b>	08-08-19
------------------	-------------	-----------------	---------	--------------	---	----------------------	----------

<b>911 Address:</b>		<b>Exempt</b>		<b>Nbhd:</b>	90	<b>Last Update:</b>	
---------------------	--	---------------	--	--------------	----	---------------------	--

Owner Of Record				Volume/Page	Date	Sales Type	Valid	Sale Price
JOHANSEN SANDRA G				0742 /0086	03-05-99		NO	0
87 WELLS RD WETHERSFIELD , CT 06109								

<b>Additional Owners:</b>								
<b>Prior Owner History</b>								
/								
/								
/								
/								
/								

Permit Number	Date	Cost	New Hous	Status	% Comp	Est Completion	Building Permit	
BP03130	04-17-03	6,000	No	Permit Issue	100		Strip & reroof	

Census/Tract			State Item Codes					Appraised Value	
4922			Code	Quantity	Value	Code	Quantity	Value	<b>Total Land Value</b> 89,100
<b>Dev Map</b>	<b>Dev Lot</b> 2		11- Res Land	0.22	62,370				<b>Total Building Value</b> 105,924
<b>Date</b> 07/05/2018			13- Res Bldg	1.00	74,150				<b>Total Outbuilding Value</b> 0
<b>Inspector</b> EQ									<b>Total Market Value</b> 195,024
<b>Action</b> DM Change									

Acres							Influence Factors			
Land Type	Acres	490	Rate	Adj	Influence	Total Value	Land Type	Influence	Reason	Comment
House Lot	0.22	0.00	90,000	0.99	0	89,100				
<b>Total</b>	0.22					89,100				

Assessment History (Prior Years as of Oct 1)						490 Appraised Totals					
	Current	2018	2017	2016	2015	Type	Acres	Value	Type	Acres	Value
<b>Land</b>	62,370	62,370	59,800	59,800	59,800						
<b>Building</b>	74,150	74,150	82,100	82,100	82,100						
<b>Outbuilding</b>	0	0	0	0	0						
<b>Total</b>	<b>136,520</b>	<b>136,520</b>	<b>141,900</b>	<b>141,900</b>	<b>141,900</b>				<b>Totals</b>		

**Comments**  
9 FT REAR DORMER



ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

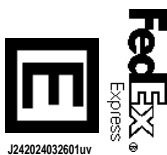
SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **NICOLE C. CHAPMAN**  
**NICOLE C. CHAPMAN**  
**95 WELLS ROAD**

**WETHERSFIELD CT 06109**

REF: (000) 000-0000  
PO: DEPT:



J242024032601uv

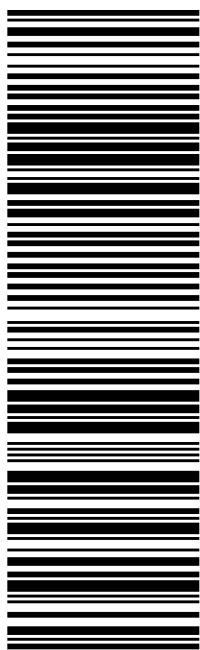
TRK# 0201 7762 9355 9517

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EB BDLA**

06109

CT-US BDL



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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293559517

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**Delivery Information:**

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<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:53

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**Shipping Information:**

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<b>Tracking number:</b>	776293559517	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx



Unique ID: 204085

Wethersfield

Card No: 1 of 1

<b>Location:</b> 95 WELLS RD		<b>Map/Lot:</b> 204 085		<b>Zone:</b> A		<b>Date Printed:</b> 08-08-19							
<b>911 Address:</b>		<b>Exempt</b>		<b>Nbhd:</b> 90		<b>Last Update:</b>							
<b>Owner Of Record</b>				<b>Volume/Page</b>	<b>Date</b>	<b>Sales Type</b>	<b>Valid</b>	<b>Sale Price</b>					
CHAPMAN NICOLE C				1123 /0006	12-12-03		YES	166,500					
95 WELLS RD WETHERSFIELD , CT 06109													
<b>Additional Owners:</b>													
<b>Prior Owner History</b>													
PARKER MARY R				0710 /0303	07-29-98		YES	130,000					
				/									
				/									
				/									
				/									
<b>Permit Number</b>	<b>Date</b>	<b>Cost</b>	<b>New Hous</b>	<b>Status</b>	<b>% Comp</b>	<b>Est Completion</b>	<b>Building Permit</b>						
B-13-596	09-30-13	3,915	No	Permit Issue	100	10-01-14	REMOVE EXISTING ROOAND INSTALL NEW						
P-13-219	09-27-13	1,000	No	Permit Issue	100	10-01-14	INSTALLING NEW GAS LINE TO WATER HEATER						
BP05479	08-31-05	9,712	No	Permit Issue	100		Repl 16X18 garage						
<b>State Item Codes</b>													
<b>Census/Tract</b> 4922		<b>Code</b>			<b>Quantity</b>	<b>Value</b>	<b>Code</b>		<b>Quantity</b>	<b>Value</b>	<b>Appraised Value</b>		
<b>Dev Map</b>		<b>Dev Lot</b> 1		11- Res Land	0.19	61,740					<b>Total Land Value</b> 88,200		
<b>Date</b> 06/12/2014				13- Res Bldg	1.00	53,510					<b>Total Building Value</b> 76,443		
<b>Inspector</b> CR				14- Res Outbldg	2.00	7,920					<b>Total Outbuilding Value</b> 11,312		
<b>Action</b> 49												<b>Total Market Value</b> 175,955	
<b>Acres</b>							<b>Influence Factors</b>						
<b>Land Type</b>	<b>Acres</b>	<b>490</b>	<b>Rate</b>	<b>Adj</b>	<b>Influence</b>	<b>Total Value</b>	<b>Land Type</b>	<b>Influence</b>	<b>Reason</b>	<b>Comment</b>			
House Lot	0.19	0.00	90,000	0.98	0	88,200							
<b>Total</b>	0.19					88,200							
<b>Assessment History (Prior Years as of Oct 1)</b>							<b>490 Appraised Totals</b>						
	<b>Current</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>		<b>Type</b>	<b>Acres</b>	<b>Value</b>	<b>Type</b>	<b>Acres</b>	<b>Value</b>	
<b>Land</b>	61,740	61,740	59,000	59,000	59,000								
<b>Building</b>	53,510	53,510	63,200	63,200	67,600								
<b>Outbuilding</b>	7,920	7,920	4,400	4,400	0								
<b>Total</b>	<b>123,170</b>	<b>123,170</b>	<b>126,600</b>	<b>126,600</b>	<b>126,600</b>					<b>Totals</b>			
<b>Comments</b>													
14 FT R DORM													

<b>Location:</b>	95 WELLS RD	<b>Unit</b>	
<b>911 Address:</b>			
<b>Map/Block/Lot</b>	204 085		

General Description		Description	Area/Qty	Value
<b>Building Use</b>	Single Family	Base Rate	1,096	96,426
<b>Unit</b>		Basement	682	10,230
<b>Overall Condition</b>	Average	Fireplace	1	3,000
<b>Class</b>	C	Full Baths	1	5,000
<b>Stories</b>	1.65	Value Before Depr.	0	114,656
<b>Design (Style)</b>	Cape	Depr/Adjust Amount	0	40,130
<b>Construction</b>	Wood Frame	Final Value (After Depr)	0	74,526
<b>Year Built</b>	1929			
<b>Percent Complete</b>	100			

**Finished Area** 1,096  
 Finished Area Does Not Include Finished Basement Area

Foundation	
<b>Basement Area</b>	682
<b>Basement Finish</b>	0
<b>Bsmt Room Style</b>	
<b>Basement Walls</b>	
<b>Outside Entry</b>	
<b>Basement Garage Bays</b>	0
<b>Sump Pump</b>	NO

<b>Grade Factor</b>	0	<b>Physical Depreciation %</b>	35
<b>Economic Depreciation %</b>	0	<b>Functional Depreciation %</b>	0

**Attached Component Computations**

HVAC			Type	Yr Built	Condition	Area/Qty	Value
<b>Heating Type</b>	Hot Water	100 %	Unfinished Attic	1929	Average	34	774
<b>Fuel</b>	Oil		Enclosed Porch	1929	Average	20	234
<b>Cooling Type</b>	None	0 %	Enclosed Porch	1929	Average	70	819
			Open Porch	1929	Average	12	90

Interior	
<b>Floors</b>	Hardwood
<b>Attic Access</b>	
<b>Walls</b>	Plaster
<b>Fireplaces</b>	1
<b>Wood Stoves</b>	0

Exterior	
<b>Exterior</b>	Wood Shingle
<b>Roof Cover</b>	Asphalt
<b>Roof Type</b>	Gable

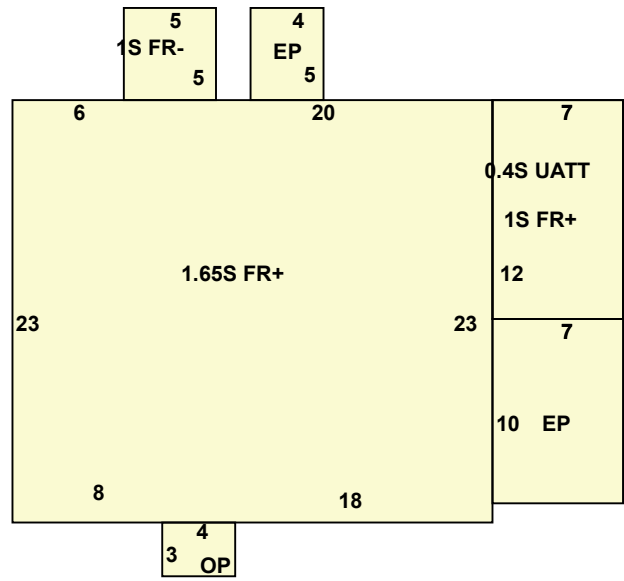
**Total Building Value** 76,443

**Special Features**

Type	Yr Bilt	Condition	Area/Qty	Value
Garage w Loft	2005	Average	288	10,506
Frame Shed	2008	Average	72	806

**Room Summary**

Total	Bedroom	Kitchens	Full Bath	Half Bath
6	2	1	1	0



**Detached Component Computations**

Type	Yr Bilt	Condition	Area/Qty	Value	Type	Yr Bilt	Condition	Area/Qty	Value
Garage w Loft	2005	Average	288	10,506					
Frame Shed	2008	Average	72	806					

ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

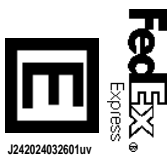
SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO  
**AHAD SYED HUSSAIN &  
DARIUSZ GORECKI  
82 WELLS ROAD**

**WETHERSFIELD CT 06109**  
(000) 000-0000 REF:

PO: DEPT:



J242024032601uv

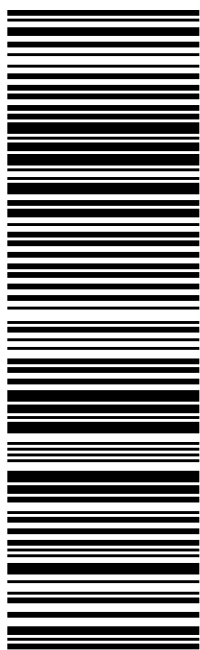
TRK# 0201 7762 9358 0280

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EBBDLA**

06109

CT-US BDL



583J3/C137/9AE3

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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293580280

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**Delivery Information:**

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<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:54

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**Shipping Information:**

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<b>Tracking number:</b>	776293580280	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

Unique ID: 204019

Wethersfield

Card No: 1 of 1

<b>Location:</b> 82 WELLS RD		<b>Map/Lot:</b> 204 019		<b>Zone:</b> B		<b>Date Printed:</b> 08-13-19						
<b>911 Address:</b>		<b>Exempt</b>		<b>Nbhd:</b> 90		<b>Last Update:</b> 08-13-19						
<b>Owner Of Record</b>				<b>Volume/Page</b>	<b>Date</b>	<b>Sales Type</b>	<b>Valid</b>	<b>Sale Price</b>				
HUSSAIN SYED AHAD & GORECKI DARIUSZ				2092 /458	08-07-19	Exec Deed	NO	130,850				
82 WELLS RD WETHERSFIELD , CT 06109												
<b>Additional Owners:</b>												
<b>Prior Owner History</b>												
DOUGHERTY MARY ELIZABETH				2092 /455	08-07-19	Probate	NO	0				
DOUGHERTY MARY ELIZABETH				0462 /0053	12-14-89		NO	0				
				/								
				/								
				/								
<b>Permit Number</b>	<b>Date</b>	<b>Cost</b>	<b>New Hous</b>	<b>Status</b>	<b>% Comp</b>	<b>Est Completion</b>	<b>Building Permit</b>					
B-10-382	10-29-10	7,800	No	Permit Issue	100		Remove 1 layer & reroof					
			<b>State Item Codes</b>					<b>Appraised Value</b>				
<b>Census/Tract</b> 4922	<b>Code</b>	<b>Quantity</b>	<b>Value</b>	<b>Code</b>	<b>Quantity</b>	<b>Value</b>						
<b>Dev Map</b> <b>Dev Lot</b> 16	11- Res Land	0.18	63,000				<b>Total Land Value</b> 90,000					
<b>Date</b> 08/23/2011	13- Res Bldg	1.00	63,970				<b>Total Building Value</b> 91,386					
<b>Inspector</b> CR	14- Res Outbldg	1.00	3,250				<b>Total Outbuilding Value</b> 4,646					
<b>Action</b> 49							<b>Total Market Value</b> 186,032					
<b>Acres</b>						<b>Influence Factors</b>						
<b>Land Type</b>	<b>Acres</b>	<b>490</b>	<b>Rate</b>	<b>Adj</b>	<b>Influence</b>	<b>Total Value</b>	<b>Land Type</b>	<b>Influence</b>	<b>Reason</b>	<b>Comment</b>		
House Lot	0.18	0.00	90,000	1.00	0	90,000						
<b>Total</b>	0.18					90,000						
<b>Assessment History (Prior Years as of Oct 1)</b>							<b>490 Appraised Totals</b>					
	<b>Current</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>		<b>Type</b>	<b>Acres</b>	<b>Value</b>	<b>Type</b>	<b>Acres</b>	<b>Value</b>
<b>Land</b>	63,000	63,000	58,600	58,600	58,600							
<b>Building</b>	63,970	63,970	69,000	69,000	71,000							
<b>Outbuilding</b>	3,250	3,250	2,000	2,000	0							
<b>Total</b>	<b>130,220</b>	<b>130,220</b>	<b>129,600</b>	<b>129,600</b>	<b>129,600</b>					<b>Totals</b>		
<b>Comments</b>												
28' REAR DORMER INT. ORIGINAL 7/2008												

Unique ID: 204019

Wethersfield

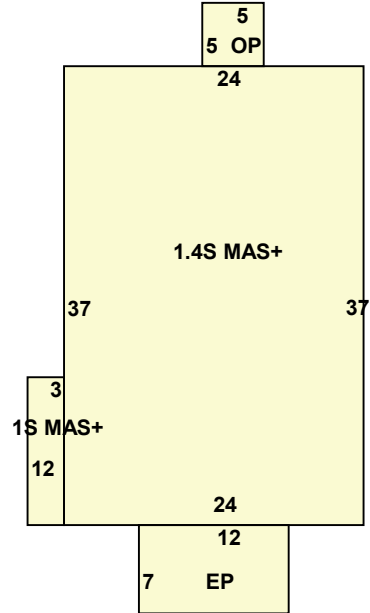
<b>Location:</b>	82 WELLS RD	<b>Unit</b>	
<b>911 Address:</b>			
<b>Map/Block/Lot</b>	204 019		

General Description		Description	Area/Qty	Value
<b>Building Use</b>	Single Family	Base Rate	1,279	114,803
<b>Unit</b>		Basement	924	13,860
<b>Overall Condition</b>	Average	Fireplace	1	3,000
<b>Class</b>	C	Full Baths	1	5,000
<b>Stories</b>	1.40	Value Before Depr.	0	136,663
<b>Design (Style)</b>	Cape	Depr/Adjust Amount	0	46,465
<b>Construction</b>	Masonry	Final Value (After Depr)	0	90,198
<b>Year Built</b>	1933			
<b>Percent Complete</b>	100			

<b>Finished Area</b>	1,279	Finished Area Does Not Include Finished Basement Area		
<b>Foundation</b>				
<b>Basement Area</b>	924			
<b>Basement Finish</b>	0			
<b>Bsmt Room Style</b>				
<b>Basement Walls</b>				
<b>Outside Entry</b>				
<b>Basement Garage Bays</b>	0			
<b>Sump Pump</b>	NO			
		<b>Grade Factor</b>	0	<b>Physical Depreciation %</b>
		<b>Economic Depreciation %</b>	0	<b>Functional Depreciation %</b>
				34
				0
<b>Attached Component Computations</b>				

HVAC			Type	Yr Built	Condition	Area/Qty	Value
<b>Heating Type</b>	Hot Water	100 %	Enclosed Porch	1933	Average	84	998
<b>Fuel</b>	Natural Gas		Open Porch	1933	Average	25	190
<b>Cooling Type</b>	None	0 %					
<b>Interior</b>							
<b>Floors</b>	Carpet						
<b>Attic Access</b>							
<b>Walls</b>	Plaster						
<b>Fireplaces</b>	1						
<b>Wood Stoves</b>	0						
<b>Exterior</b>							
<b>Exterior</b>	Stone/Masonr						
<b>Roof Cover</b>	Asphalt						
<b>Roof Type</b>	Gable						
<b>Total Building Value</b>						<b>91,386</b>	

Special Features					Detached Component Computations				
Type	Yr Bilt	Condition	Area/Qty	Value	Type	Yr Bilt	Condition	Area/Qty	Value
					Frame Garage	1933	Average	220	4,646
<b>Room Summary</b>									
<b>Total</b>	<b>Bedroom</b>	<b>Kitchens</b>	<b>Full Bath</b>	<b>Half Bath</b>					
5	2	1	1	0					



ORIGIN ID:GALA (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **DARIA SDRULA**  
**DARIA SDRULA**  
**78 WELLS ROAD**

**WETHERSFIELD CT 06109**

PO: (000) 000-0000  
INV: REF:

DEPT:



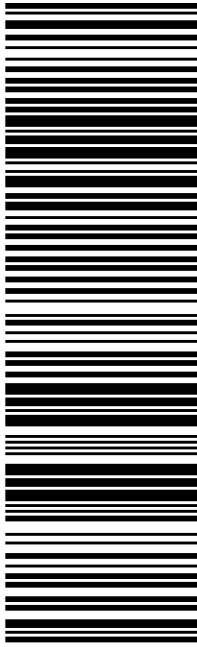
J242024032601uv

TRK# 0201 7762 9360 7008

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EB BDLA**

06109  
CT-US BDL



583J3/C137/9AE3

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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293607008

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**Delivery Information:**

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<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:55

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**Shipping Information:**

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<b>Tracking number:</b>	776293607008	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	1.0 LB/0.45 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx



Unique ID: 204018

Wethersfield

Card No: 1 of 1

<b>Location:</b>		78 WELLS RD				<b>Map/Lot:</b>		204 018		<b>Zone:</b>	B	<b>Date Printed:</b>		12-28-21			
<b>911 Address:</b>						<b>Exempt</b>			<b>Route</b>		6	<b>Nbhd:</b>	90	<b>Last Update:</b>		12-28-21	
<b>Owner Of Record</b>						<b>Volume/Page</b>		<b>Date</b>		<b>Sales Type</b>			<b>Valid</b>	<b>Sale Price</b>			
SDRULA DARIA						1857 /0254		10-23-14					NO	0			
78 WELLS RD WETHERSFIELD , CT 06109																	
<b>Additional Owners:</b>																	
<b>Prior Owner History</b>																	
SDRULA DARIA & SERBAN						0581 /0166		10-31-94					YES	106,000			
						/											
						/											
						/											
						/											
<b>Permit Number</b>				<b>Date</b>		<b>Cost</b>		<b>Assessor Status</b>		<b>Building Permit</b>							
Z-21-0047				07-21-21		10,000		100		Install an 8' X 16' storage shed in rear yard minimum 3' from all property lines.							
PP-99-0145				07-29-99		500		100									
						<b>State Item Codes</b>						<b>Appraised Value</b>					
<b>Census/Tract</b>		4922				<b>Code</b>	<b>Quantity</b>	<b>Value</b>	<b>Code</b>	<b>Quantity</b>	<b>Value</b>	<b>Total Land Value</b>			90,000		
<b>Dev Map</b>		<b>Dev Lot</b> 17				11- Res Land	0.18	63,000				<b>Total Building Value</b>			91,922		
<b>Date</b>		12/13/2021				13- Res Bldg	1.00	64,350				<b>Total Outbuilding Value</b>			8,635		
<b>Inspector</b>						14- Res Outbldg	2.00	6,040				<b>Total Market Value</b>			190,557		
<b>Action</b>		Letter Sent															
<b>Acres</b>							<b>Influence Factors</b>										
<b>Land Type</b>		<b>Acres</b>	<b>490</b>	<b>Rate</b>	<b>Adj</b>	<b>Influence</b>	<b>Total Value</b>	<b>Land Type</b>		<b>Influence</b>	<b>Reason</b>		<b>Comment</b>				
House Lot		0.18	0.00	90,000	1.00	0	90,000										
<b>Total</b>		0.18					90,000										
<b>Assessment History (Prior Years as of Oct 1)</b>								<b>490 Appraised Totals</b>									
		<b>Current</b>		<b>2020</b>		<b>2019</b>		<b>2018</b>		<b>2017</b>		<b>Type</b>	<b>Acres</b>	<b>Value</b>	<b>Type</b>	<b>Acres</b>	<b>Value</b>
<b>Land</b>		63,000		63,000		63,000		63,000		58,600							
<b>Building</b>		64,350		64,350		64,350		64,350		71,200							
<b>Outbuilding</b>		6,040		4,790		4,790		4,790		2,900							
<b>Total</b>		<b>133,390</b>		<b>132,140</b>		<b>132,140</b>		<b>132,140</b>		<b>132,700</b>							
<b>Totals</b>																	
<b>Comments</b>																	
2021GL-SHED 26' REAR DORMER																	

Unique ID: 204018

Wethersfield

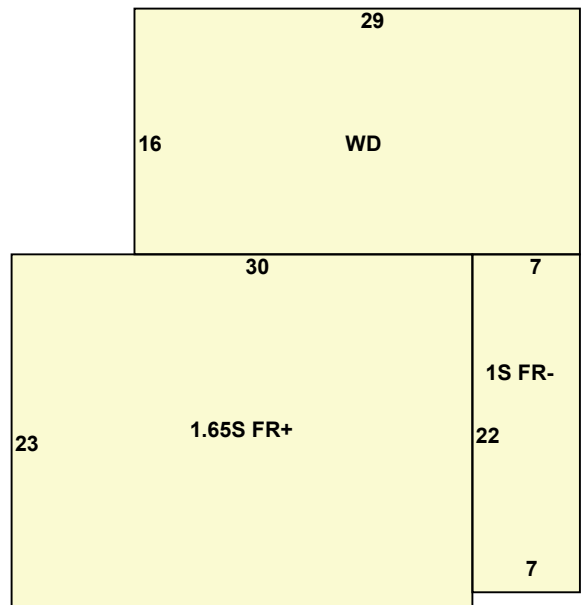
<b>Location:</b>	78 WELLS RD	<b>Unit</b>	
<b>911 Address:</b>			
<b>Map/Block/Lot</b>	204 018		

General Description		Description	Area/Qty	Value
<b>Building Use</b>	Single Family	Base Rate	1,293	110,539
<b>Unit</b>		Basement	690	10,350
<b>Overall Condition</b>	Average	Fireplace	1	3,000
<b>Class</b>	C	Full Baths	1	5,000
<b>Stories</b>	1.65	Half Baths	1	2,500
<b>Design (Style)</b>	Cape	Value Before Depr.	0	131,389
<b>Construction</b>	Wood Frame	Depr/Adjust Amount	0	44,672
<b>Year Built</b>	1936	Final Value (After Depr)	0	86,716
<b>Percent Complete</b>	100			

<b>Finished Area</b>	1,293	Finished Area Does Not Include Finished Basement Area		
<b>Foundation</b>				
<b>Basement Area</b>	690			
<b>Basement Finish</b>	0			
<b>Bsmt Room Style</b>				
<b>Basement Walls</b>				
<b>Outside Entry</b>				
<b>Basement Garage Bays</b>	0	<b>Grade Factor</b>	0	<b>Physical Depreciation %</b>
<b>Sump Pump</b>	NO	<b>Economic Depreciation %</b>	0	<b>Functional Depreciation %</b>
				34
				0
<b>Attached Component Computations</b>				

HVAC			Type	Yr Built	Condition	Area/Qty	Value
<b>Heating Type</b>	Hot Water	100 %	Wood Deck	1936	Average	464	5,206
<b>Fuel</b>	Oil						
<b>Cooling Type</b>	None	0 %					
<b>Interior</b>							
<b>Floors</b>	Hardwood						
<b>Attic Access</b>							
<b>Walls</b>	Plaster						
<b>Fireplaces</b>	1						
<b>Wood Stoves</b>	0						
<b>Exterior</b>							
<b>Exterior</b>	Aluminum						
<b>Roof Cover</b>	Asphalt						
<b>Roof Type</b>	Gable						
<b>Total Building Value</b>						<b>91,922</b>	

Special Features					Detached Component Computations				
Type	Yr Bilt	Condition	Area/Qty	Value	Type	Yr Bilt	Condition	Area/Qty	Value
Frame Garage	1936	Average	324	6,843					
Frame Shed	2021	Average	128	1,792					
<b>Room Summary</b>									
Total	Bedroom	Kitchens	Full Bath	Half Bath					
6	3	1	1	1					



ORIGIN ID:GALA (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **CHARLIE MORRISON**  
**TOWN OF WETHERSFIELD, ZEO**  
**505 SILAS DEANE HWY**

**WETHERSFIELD CT 06109**

REF: (860) 721-2838

PO: NV:

DEPT:



J242024032601uv

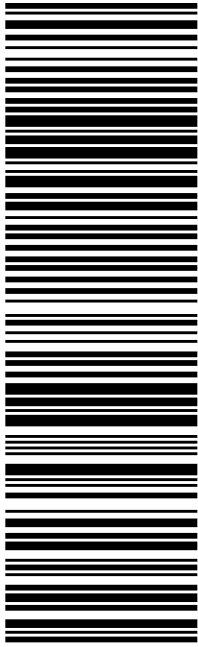
TRK# 0201 7762 9363 1756

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EB BDLA**

06109

CT-US BDL



583J3/C137/9AE3

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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293631756

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	
<b>Signed for by:</b>	Signature release on file	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:47

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293631756	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

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ORIGIN ID: GAIN (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 105487531NET4535

BILL SENDER

TO **SOUTHERN N E TELEPHONE**  
**C/O FRONTIER/EVEREST INFRASTRUCTURE**  
**2 ALLEGHANY CENTER**  
**SUITE 1002**  
**PITTSBURGH PA 15212**

REF: (781) 820-9120

INV: (781) 820-9120

DEPT:



J242024032601uv

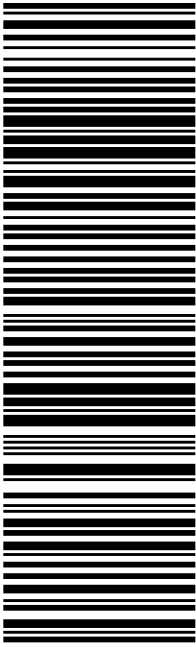
TRK# 0201 7762 9374 1624

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**XS AGCA**

PA-US PIT

15212



583J3/C137/9AE3

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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293741624

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Receptionist/Front Desk
<b>Signed for by:</b>	M.SALAMACHA	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		PITTSBURGH, PA,
		<b>Delivery date:</b>	May 10, 2024 10:11

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293741624	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	1.0 LB/0.45 KG
<b>Recipient:</b>		<b>Shipper:</b>	
PITTSBURGH, PA, US,		ROCKVILLE, MD, US,	

FedEx Express proof-of-delivery details appear below; however, no signature is currently available for this shipment. Please check again later for a signature.

Thank you for choosing FedEx

ORIGIN ID:GALA (301) 286-0258

CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET

ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET14535

BILL SENDER

TO **EMERSON VILLAGE 1**  
**LLC & EMERSON VILLAGE 2 LLC**  
**18-33 41ST STREET**

**ASTORIA NY 11105**

(000) 000-0000

REF:

PO:

DEPT:



J242024032601uv

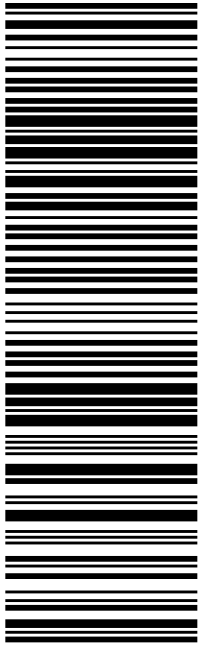
TRK# 0201 7762 9378 6273

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**E4 ZXSA**

11105

NY-US JFK



583J3/C137/9AE3

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May 13, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293786273

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	
<b>Signed for by:</b>	Signature release on file	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		ASTORIA, NY,
		<b>Delivery date:</b>	May 10, 2024 12:57

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293786273	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
ASTORIA, NY, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx



ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531/NET4535

BILL SENDER

TO  
**LYDIA JANET DEJESUS**  
**LYDIA JANET DEJESUS**  
**70 WELLS ROAD**

**WETHERSFIELD CT 06109**

(000) 000-0000

REF:

PO:

DEPT:



J242024032601uv

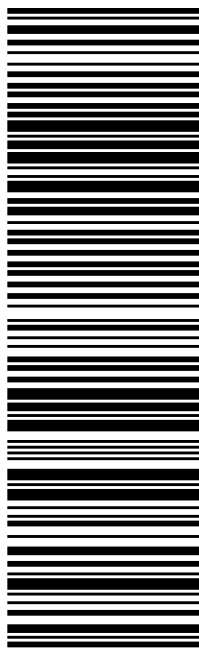
TRK#  
0201 7762 9383 3629

THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT

**EBBDLA**

06109

CT-US BDL



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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293833629

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		WETHERSFIELD, CT,
		<b>Delivery date:</b>	May 10, 2024 09:56

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293833629	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
WETHERSFIELD, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

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Unique ID: 204016

Wethersfield

<b>Location:</b>	70 WELLS RD	<b>Unit</b>	
<b>911 Address:</b>			
<b>Map/Block/Lot</b>	204 016		

General Description		Description	Area/Qty	Value
<b>Building Use</b>	Single Family	Base Rate	1,075	94,579
<b>Unit</b>		Basement	768	11,520
<b>Overall Condition</b>	Good	Fireplace	1	3,000
<b>Class</b>	C	Full Baths	2	10,000
<b>Stories</b>	1.40	Value Before Depr.	0	119,099
<b>Design (Style)</b>	Cape	Depr/Adjust Amount	0	34,539
<b>Construction</b>	Wood Frame	Final Value (After Depr)	0	84,560
<b>Year Built</b>	1936			
<b>Percent Complete</b>	100			

**Finished Area** 1,075  
 Finished Area Does Not Include Finished Basement Area

Foundation	
<b>Basement Area</b>	768
<b>Basement Finish</b>	0
<b>Bsmt Room Style</b>	
<b>Basement Walls</b>	
<b>Outside Entry</b>	
<b>Basement Garage Bays</b>	0
<b>Sump Pump</b>	NO

<b>Grade Factor</b>	0	<b>Physical Depreciation %</b>	29
<b>Economic Depreciation %</b>	0	<b>Functional Depreciation %</b>	0

**Attached Component Computations**

HVAC			Type	Yr Built	Condition	Area/Qty	Value
<b>Heating Type</b>	Hot Water	100 %	Wood Deck	1936	Good	256	3,090
<b>Fuel</b>	Oil		Enclosed Porch	1936	Good	32	409
<b>Cooling Type</b>	None	0 %					

Interior	
<b>Floors</b>	Hardwood
<b>Attic Access</b>	
<b>Walls</b>	Plaster
<b>Fireplaces</b>	1
<b>Wood Stoves</b>	0

Exterior	
<b>Exterior</b>	Vinyl Siding
<b>Roof Cover</b>	Asphalt
<b>Roof Type</b>	Gable

**Total Building Value 88,059**

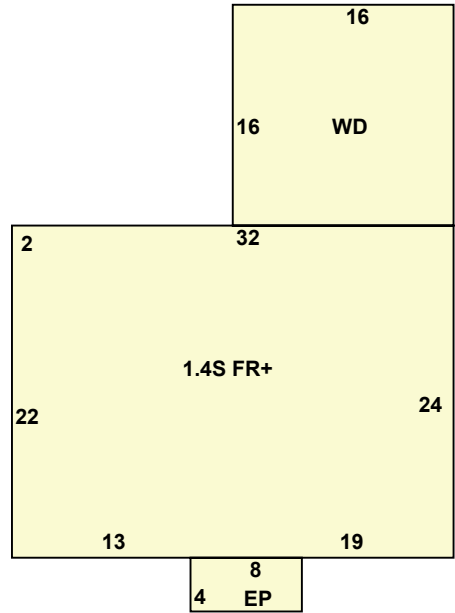
**Special Features**

**Detached Component Computations**

Type	Yr Bilt	Condition	Area/Qty	Value	Type	Yr Bilt	Condition	Area/Qty	Value
Frame Shed	1988	Average	144	1,008					

**Room Summary**

Total	Bedroom	Kitchens	Full Bath	Half Bath
6	2	1	2	0



ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

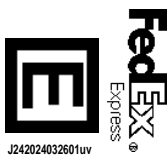
BILL SENDER

TO **RAMAN LLC**  
**RAMAN LLC**  
**60 OAKRIDGE**

**UNIONVILLE CT 06085**

REF: (000) 000-0000  
INV: (000) 000-0000

DEPT:



J242024032601uv

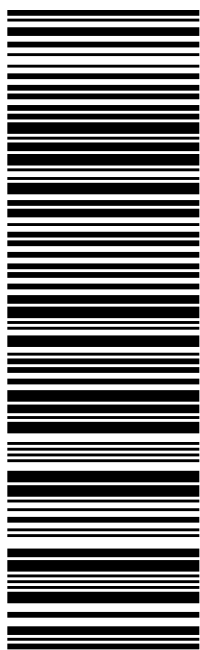
TRK# 0201 7762 9386 7660

THU - 09 MAY 12:00P  
PRIORITY OVERNIGHT

**EB KXAA**

06085

CT-US BDL



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May 10, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776293867660

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday; Residential Delivery		UNIONVILLE, CT,
		<b>Delivery date:</b>	May 10, 2024 11:30

---

**Shipping Information:**

---

<b>Tracking number:</b>	776293867660	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
UNIONVILLE, CT, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

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ORIGIN ID: GAIN (301) 286-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 15MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **657 SILAS DEANE LLC**  
**657 SILAS DEANE LLC**  
**489 FRANKLIN AVENUE**

583J4/C458/9AE3

**HARTFORD CT 06114**

(000) 000-0000

REF:

PO:

DEPT:



J242024032601uv

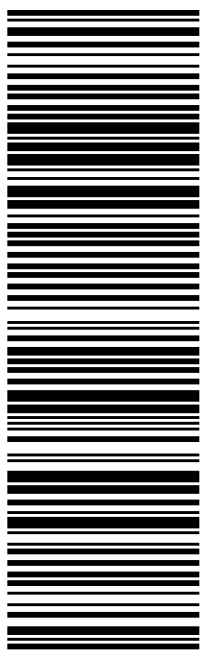
TRK# 0201 7763 9329 9802

THU - 16 MAY 10:30A  
PRIORITY OVERNIGHT

**EB KXAA**

06114

CT-US BDL



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May 17, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776393299802

---

**Delivery Information:**

---

<b>Status:</b>	Delivered	<b>Delivered To:</b>	Residence
<b>Signed for by:</b>	Signature not required	<b>Delivery Location:</b>	489 FRANKLIN AVE
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		HARTFORD, CT, 06114
		<b>Delivery date:</b>	May 17, 2024 09:38

---

**Shipping Information:**

---

<b>Tracking number:</b>	776393299802	<b>Ship Date:</b>	May 15, 2024
		<b>Weight:</b>	1.0 LB/0.45 KG

**Recipient:**  
657 Silas Deane LLC, 657 Silas Deane LLC  
489 Franklin Avenue  
HARTFORD, CT, US, 06114

**Shipper:**  
Catherine Conklin, General Dynamics  
4603 Kemper Street  
ROCKVILLE, MD, US, 20853

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx

ORIGIN ID:GALA (301) 266-0258  
CATHERINE CONKLIN  
GENERAL DYNAMICS  
4003 KEMPER STREET  
ROCKVILLE, MD 20853  
UNITED STATES US

SHIP DATE: 08MAY24  
ACTWGT: 1.00 LB  
CAD: 1054867531NET4535

BILL SENDER

TO **EMERSON VILLAGE 1 LLC &  
EMERSON VILLAGE 2  
18-33 41ST STREET**

583J3/C137/9AE3

**ASTORIA NY 11105**

REF: (000) 000-0000  
INV:

DEPT:

DEPT:



J242024032601uv

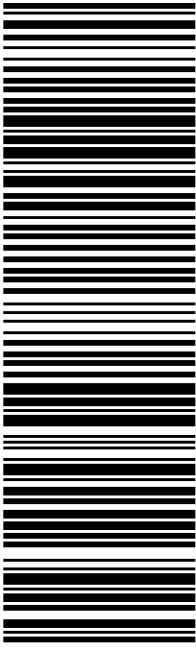
TRK# 0201 7762 9416 4875

**THU - 09 MAY 10:30A  
PRIORITY OVERNIGHT**

**E4 ZXSA**

11105

NY-US JFK



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1. Fold the printed page along the horizontal line.
2. Place label in shipping pouch and affix it to your shipment.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on [fedex.com](http://fedex.com). FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



May 13, 2024

Dear Customer,

The following is the proof-of-delivery for tracking number: 776294164875

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**Delivery Information:**

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<b>Status:</b>	Delivered	<b>Delivered To:</b>	
<b>Signed for by:</b>	Signature release on file	<b>Delivery Location:</b>	
<b>Service type:</b>	FedEx Priority Overnight		
<b>Special Handling:</b>	Deliver Weekday		ASTORIA, NY,
		<b>Delivery date:</b>	May 10, 2024 12:57

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**Shipping Information:**

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<b>Tracking number:</b>	776294164875	<b>Ship Date:</b>	May 9, 2024
		<b>Weight:</b>	0.5 LB/0.23 KG
<b>Recipient:</b>		<b>Shipper:</b>	
ASTORIA, NY, US,		ROCKVILLE, MD, US,	

Proof-of-delivery details appear below; however, no signature is available for this FedEx Express shipment because a signature was not required.

Thank you for choosing FedEx