

	No. 82846 * * *
	4/26/2023
	SUBMITTALS
	DATE DESCRIPTION REV ISSUED B 4/24/2023 CONSTRUCTION 0 RM 4/26/2023 CONSTRUCTION 1 RM
	DRAWN BY: JO CHECKED BY: KI
	APPROVED BY: RM
UNMANNED WIRELESS CONSIST OF THE FOLLOWING:	THE INFORMATION CONTAINED IN THESE DOCUMENTS IS PROPRIETARY BY MATURE. REPRODUCTION OR CAUSING TO BE REPRODUCED THE WHOLE OR ANY PART OF THESE DRAWINGS WITHOUT THE PERMISSION OF MASTEC NETWORK SOLUTIONS IS PROHIBITED.
ATOR (GENERAC SD050) CONCRETE PAD	😂 at&t
G INDEX Sheet Title	PREPARED BY: Mastec Network Solutions 1151 SE CARY PARKWAY, SUITE 101 CARY, NC 27518
E DIAGRAM	FA NUMBER: 10152022
DVALS	SITE NAME: SW LAKE CITY
THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR IN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE MODIFICATIONS. DATE: DATE: DATE: DATE:	SITE ADDRESS: 4741 SOUTHWEST BIRLEY AVENUE LAKE CITY, FL 32024
	TOWER OWNER ID: SBA
CALL FLORIDA ONE CALL	SHEET TITLE TITLE SHEET
(800) 432-4770 CALL 3 WORKING DAYS BEFORE YOU DIG!	SHEET NUMBER T-1

GENERAL NOTES:

- 1.
- ALL SUB-CONTRACTORS ARE TO SIGN INTO THE LL AND AT&T NOC'S ALONG WITH BEFORE THE START OF WORK AND END OF WORK EACH DAY. THE AT&T LOGBOOK MUST ALSO BE SIGNED EACH DAY ON SITE. ALL ORGINAL PERMITS MUST BE POSTED ON SITE BEFORE WORK CAN COMMENCE. ALL PERMITS ARE REQUIRED TO BE IN A NOTICEABLE LOCATION FOR REVIEW BY THE PERMITTING JURISDICTION. 2.
- 3.
- FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY: CONTRACTOR GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION CARRIER: AT&T

TOWER OWNER:SBA

- TOWER OWNER:SBA THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL DE SOLELY RESPONSIBLE FOR THE CONSTRUCTION OF LIFE AND PROPERITY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND DETAILS IN THE CONSTRUCTION DEARWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION DAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

- NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRE CONTACT THE ENGINEER OF RECORD. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT ITS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FLED VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING
- MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSIBLE. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILLARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF MASTEC NETWORK SOLUTIONS. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL LAPPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND DRDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND DRDINANCES. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPLICABLE REGULATIONS. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPLICABLE REGULATIONS. IN UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPLICABLE REGULATIONS. THE CONTRACTOR SHALL INSTALLED ON THE DRAWINGS.
- 10. 11. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY
- STATE OTHERWISE
- STATED OTHERWISE.
 IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
 CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
 THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPARED AT CONTRACTOR SHALL PROPERTY DIE DESTORUTIERAL DATE. AND THE ADVISOR OF ALL SCARP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE REPARTERALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL (FOR CAST IN PLACE OPTION):

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND 1
- CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 pst. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f^c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90'T AT TIME OF PLACEMENT. CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT
- RATIO (W/C) OF 0.45.
- ALL STEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS: 5. 40 kei
- #4 BARS AND SMALLER
- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ... CONCRETE EXPOSED TO EARTH OR WEATHER:
- #6 BARS AND LARGER #5 BARS AND SMALLER..... RETE NOT EXPOSED TO EARTH OR WEATHER: ..1-1/2' ..3/4' SLAB AND WALLS
- BEAMS AND COLUMNS. ...1 - 1/2'
- TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE ITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS. THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE
- A TEST RESULT OF 5 OHMS OR LESS. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE LECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS. METAL CACEWAY SHALL BE GROUNDED AND MADE LECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCIORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SIZE DE FORMENTE OF THE REQUIRED EQUIPMENT GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED. ALL EXTERNO CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUNDING CONNECTIONS. USE OF 90' BENDS IN THE PROTECTION GROUNDING CONDUCTOR SHALL BE 42 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED. ALLMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS. USE OF 90' BENDS IN THE PROTECTION GROUNDING CONNECTORS BELLOW GRADE. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE 42 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE 45' BENDS CAN BE ADEQUATELY SUPPORTED. EXOTHERMIC WELDS STALL BE USED FOR ALL BE USED FOR GROUNDING HIGH PRESS CRIMPS. COMPRESSION GROUND CONNECTIONS MAP DE REPLACED BY EXOTHERMIC WELD CONNECTIONS. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMIC WELD SONDED ON BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

- The bilde builde conductors shall be excited with a correst on all compression and boilted from the lower forond bar. APPROVED ANTIONIDARY CONTINUE CATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL. MISCELLARGUES LECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LICHTING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE DONDED TO EACH END OF THE METAL CONDUIT. HIL CORDUNDS THAT TANDETION FROMEWER AND SUPPORT CLIPS FMD OF THE METAL CONDUIT.
- 20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 1/2" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD-WELD TERMINATION POINT. THE EXPOSED END OF
- ALL GROUNDS THAT RANSING FROM BELOW GRADE TO BE #2 BADE MOST BE #2 BADE MOST BE #2 BADE MOST BE TO BE #2 BADE MOST BE #2 BADE MOS LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

- 3.
- 4
- 4.1.
 - CODE 42
- CIRCUIT ID'S).

- EQUAL).
- RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR

- CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.



4/26/2023 SUBMITTALS DESCRIPTION REV ISSUED BY CONSTRUCTION 0 RM CONSTRUCTION RM JG KL RM THE INFORMATION CONTAINED IN THESE DOCUMENTS IS PROPRIETARY BY NATURE REPRODUCTION OR CAUSING TO BE REPRODUCED. THE WHOLE OR ANY PART OF THESE DRAWING WITHOUT THE PERMISSION OF MASTEC NETWORK SOLUTIONS IS PROHIBITED.

*

FER

at&t

MasTec Network Solutions 1151 SE CARY PARKWAY, SUITE 10" CARY, NC 27518

> FA NUMBER 10152022

SITE NAME: SW LAKE CITY

SITE ADDRESS 4741 SOUTHWEST BIRLEY AVENUE. LAKE CITY, FL 32024

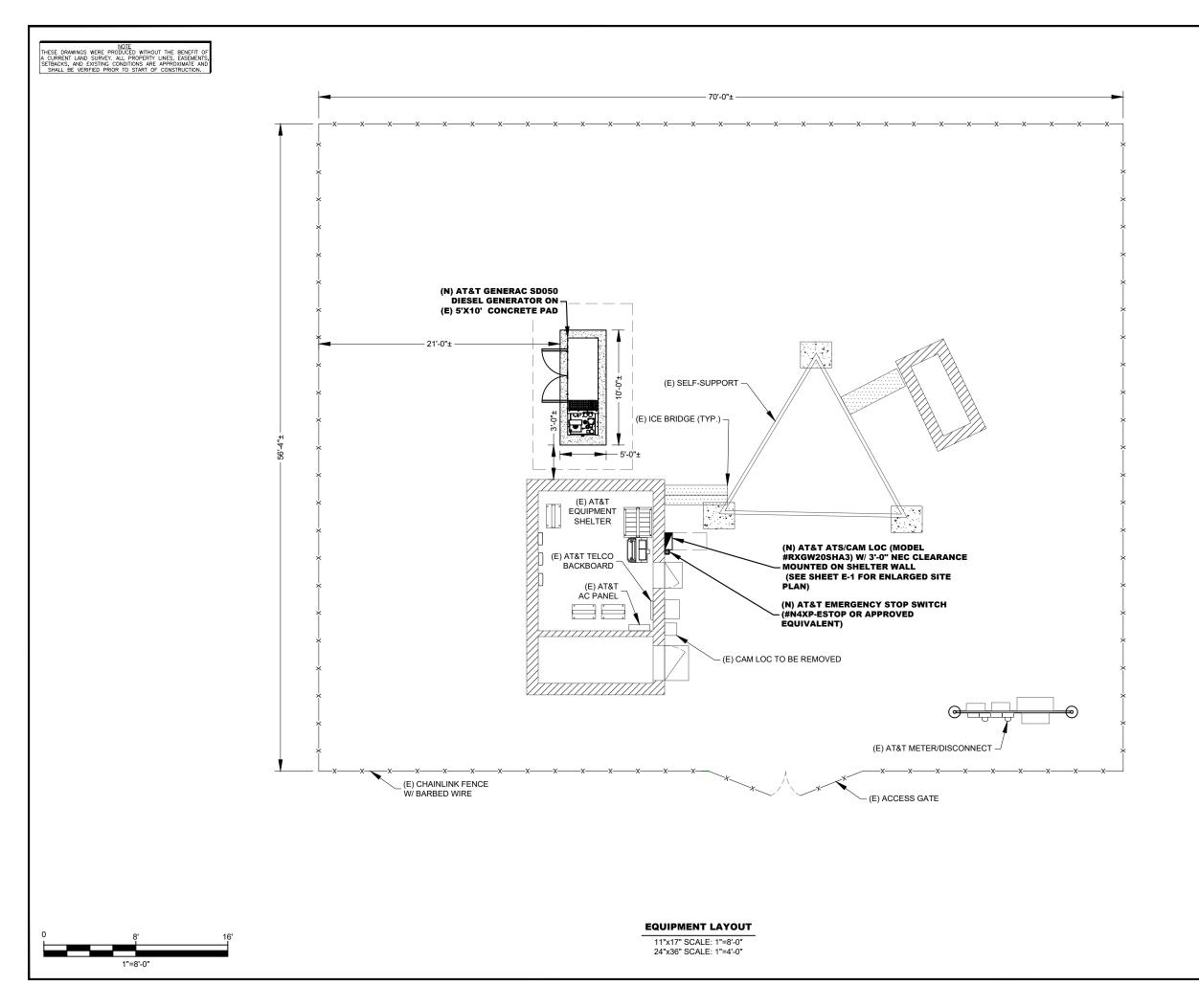
TOWER OWNER ID:

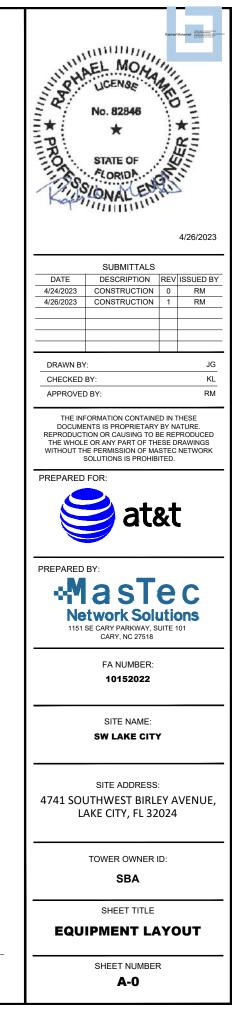
SBA

SHEET TITLE

GENERAL NOTES

GN-1



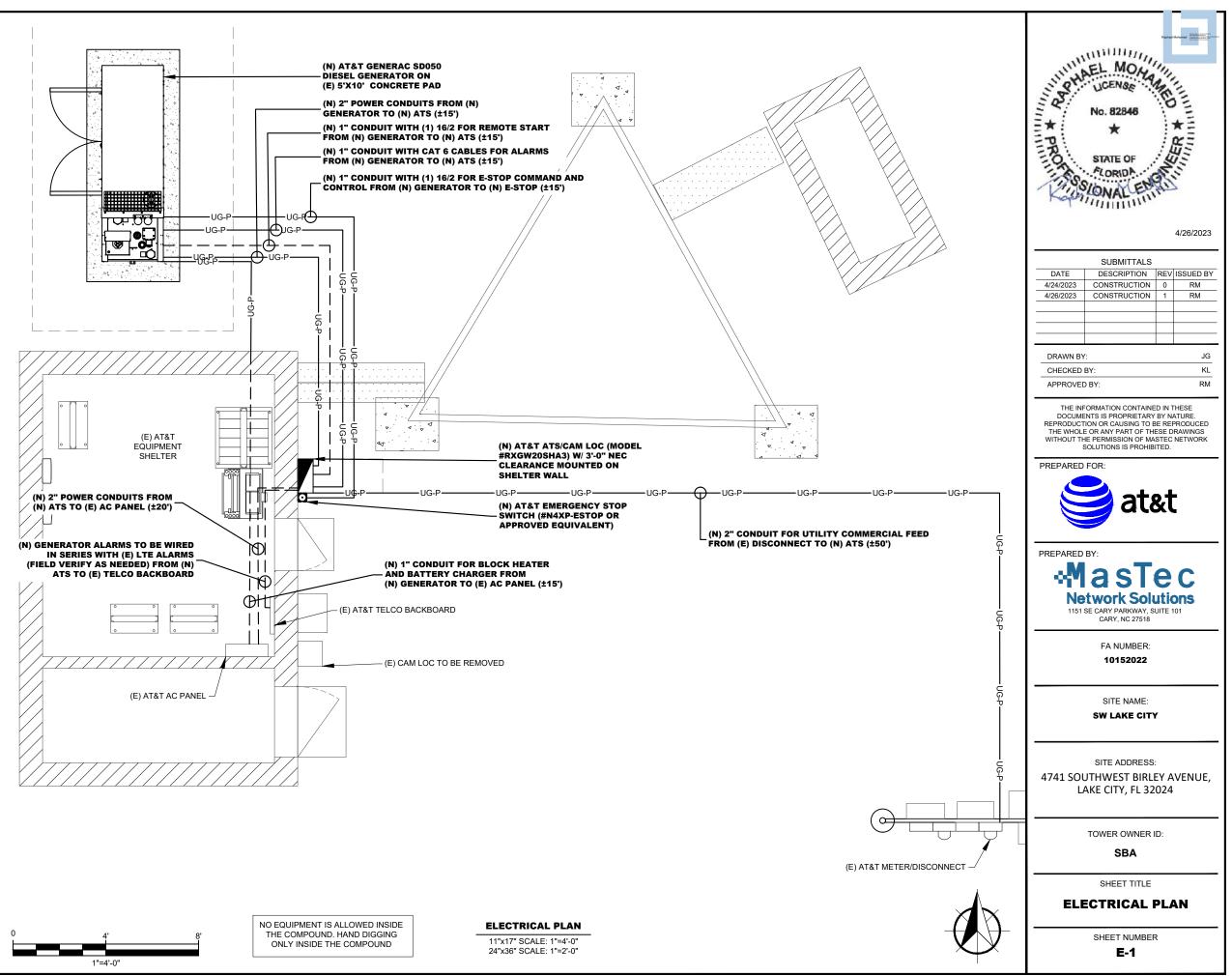




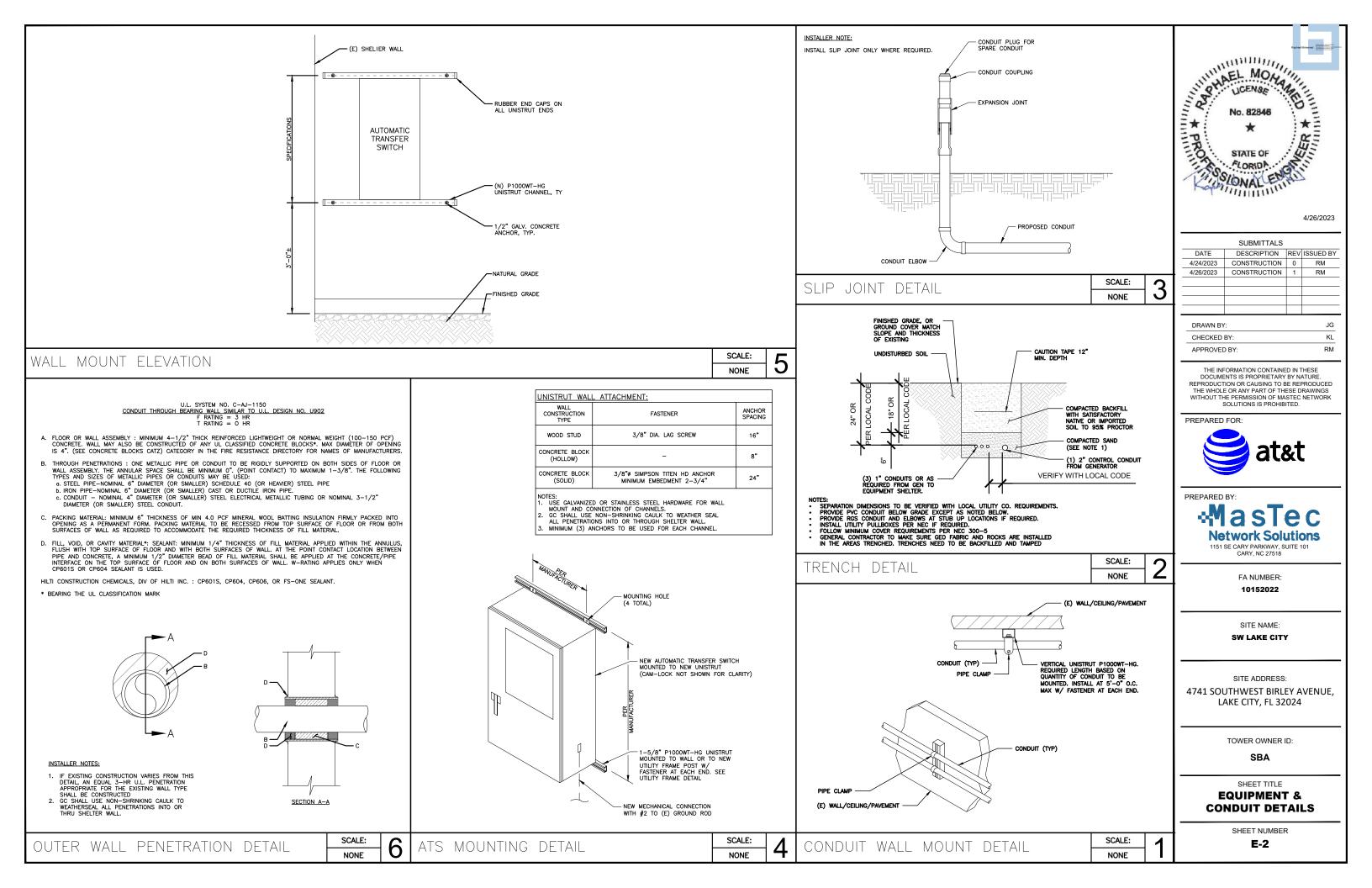
NOTES AND SPECIFICATIONS

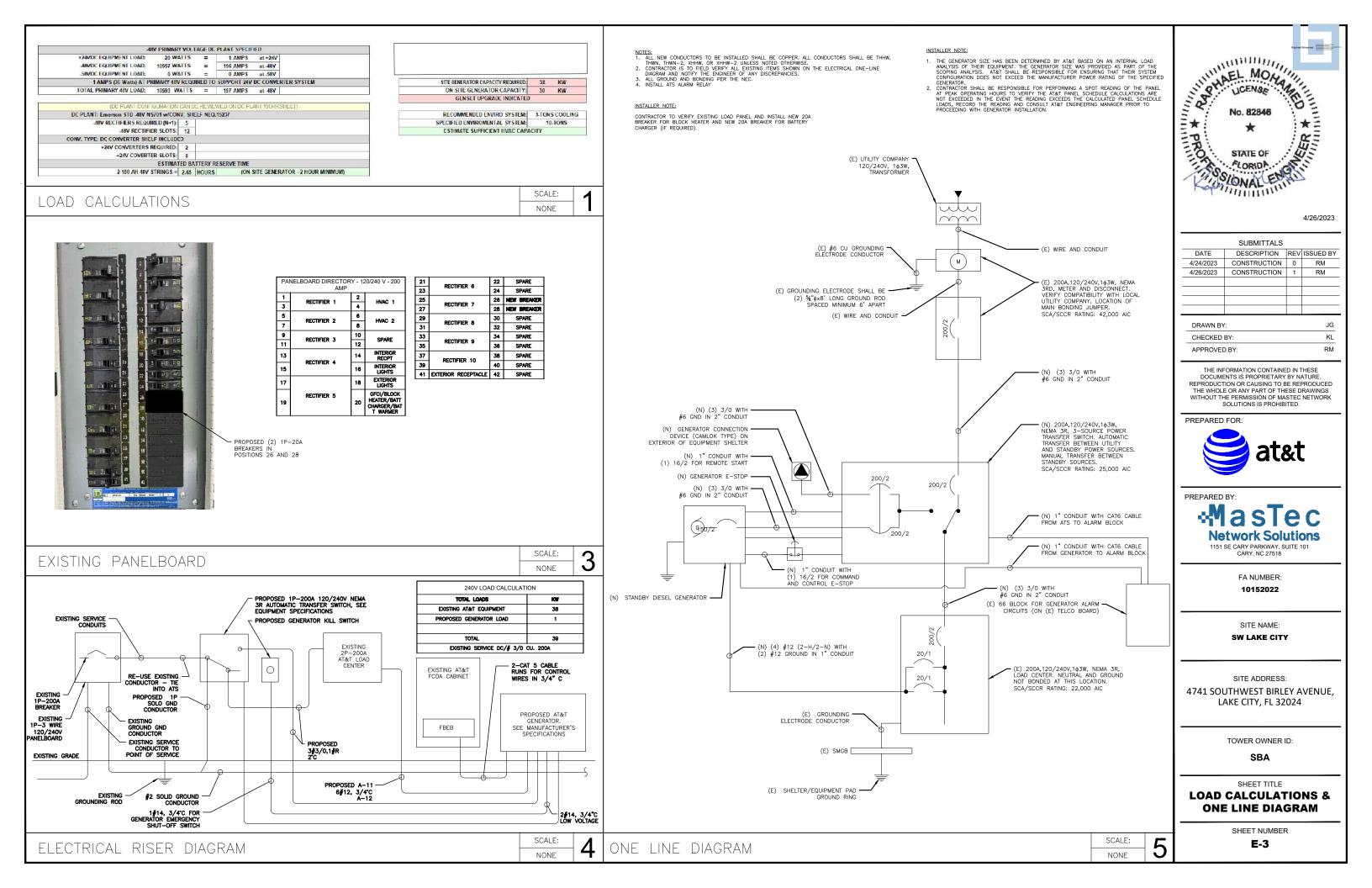
- 1. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE, AND LOCAL CODES.
- 2. CONTRACTOR SHALL OBTAIN OWNER/TENANT SPECIFICATIONS AND REVIEW FOR ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY NOT BE SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL OWNER/TENANT SPECIFICATIONS AND REQUIREMENTS.
- 3. CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC UTILITY FOR SUMMERCIA STALL COORDINAL WITH THE ELECTRIC OTHER TANSFORMER LOCATION, METERING REQUIREMENTS, AND SERVICE ROUTING. CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE UTILITY FOR THE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING. SERVICE ROUTING.
- PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC COMPANY AND OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE UTILITY SERVICE POINT. THE CONTRACTOR SHALL ENSURE ALL ELECTRICAL EQUIPMENT, CIRCUIT BREAKERS, DISCONNECTS, FUSES, AND PANELBOARDS HAVE A FAULT CURRENT INTERRUPTING RATING GREATER THAN THE AVAILABLE FAULT CURRENT. IN NO CASE SHALL THE FAULT CURRENT INTERRUPTING RATING BE LESS THAN 10,000 AMPS.
- CONTRACTOR TO PROVIDE 2-200 LB TEST POLYETHYLENE PULL CORDS SECURELY FASTENED AT EACH END OF POWER AND TELCO CONDUIT. PROVIDE CAPS ON END OF UNUSED CONDUIT.
- CONTRACTOR TO PROVIDE A REBAR MARKER WITH AT LEAST 2 FEET EXPOSED ABOVE GRADE AND PAINTED BRIGHT ORANGE TO INDICATE LOCATION OF CONDUIT CAPPED BELOW GRADE.
- PRIOR TO TRENCHING CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL REPAIR AT CONTRACTOR'S EXPENSE ANY DAMAGE TO EXISTING UTILITIES.
- CONTRACTOR TO VERIFY EXACT ROUTING OF POWER AND TELCO CONDUIT WITH LOCAL UTILITIES AND OWNER/TENANT. ENSURE ALL CONDUIT STUB-UPS ACCOMMODATE EQUIPMENT REQUIREMENTS.
- 9. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE. USE SCHEDULE 80 PVC UNDER ROADS.
- 10 CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARDS AND CONDUCT ROUS STALL HAVE A CONTINUOUS SLOPE DOWNWARDS AND AWAY FROM THE EQUIPMENT TO ALLOW WATER TO FLOW AWAY FROM THE EQUIPMENT AND SHELTER. EXCAVATE TRENCHES ALONG STRAIGHT LINES PRIOR TO INSTALLING CONDUIT TO ACCOMMODATE ADJUSTING THE ELEVATION, AS NEEDED.
- 11. CONDUIT ENTERING EQUIPMENT SHALL BE SEALED WITH A SEALANT THAT IS IDENTIFIED FOR USE WITH THE CABLE/CONDUCTOR INSULATION, SHIELDING, ETC.
- 12. THE OWNER SHALL FURNISH AND THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNAGE TO BE LOCATED AT THE COMPOUND FENCE. CONTRACTOR SHALL COORDINATE WITH OWNER/TENANT CONSTRUCTION MANAGER FOR PLACEMENT OF SIGNAGE.
- 13. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE LANDSCAPING AREA.
- 14. CONTRACTOR TO ENSURE A MIN. 3' CLEARANCE IN FRONT OF ELECTRICAL PANELS PER NEC.
- 15. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL TESTED BY AN APPROVED THIRD PARTY TESTING AGENCY.

CONDUCTOR COLOR CODE			
SYSTEM	CONDUCTOR	COLOR	
	A PHASE	BLACK	
120/240V. 1ø	B PHASE	RED	
120/2400, 10	NEUTRAL	WHITE	
	GROUND	GREEN	
	A PHASE	BLACK	
	B PHASE	RED	
120/208V, 3ø	C PHASE	BLUE	
	NEUTRAL	WHITE	
	GROUND	GREEN	
	A PHASE	BROWN	
	B PHASE	ORANGE OR PURPLE	
277/480V, 3ø	C PHASE	YELLOW	
	NEUTRAL	GREY	
	GROUND	GREEN	
DC VOLTAGE	POS (+)	RED**	
DO TOLINOL	NEG (-)	BLACK**	
* SEE NEC 210.5(C)(1) AND (2) ** POLARITY MARKED AT TERMINATION			









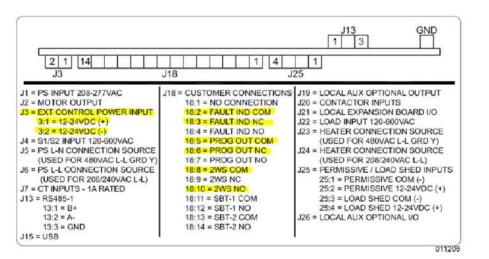
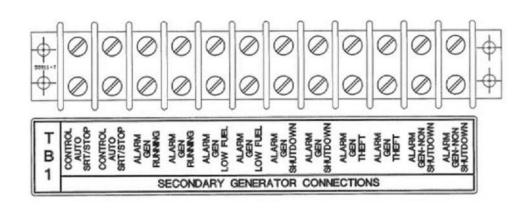
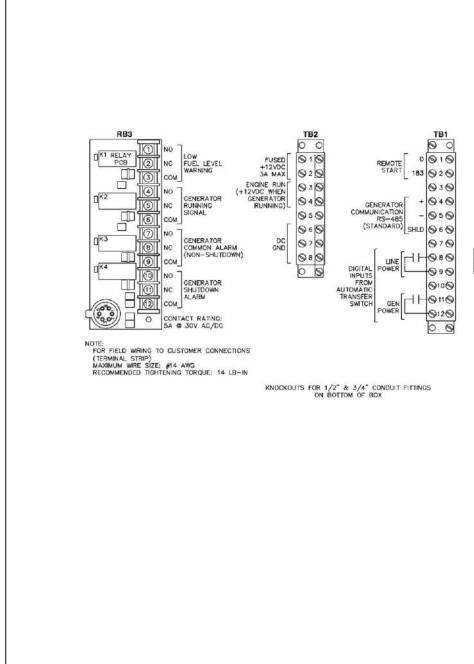


Figure 4-8. Customer Connections Diagram

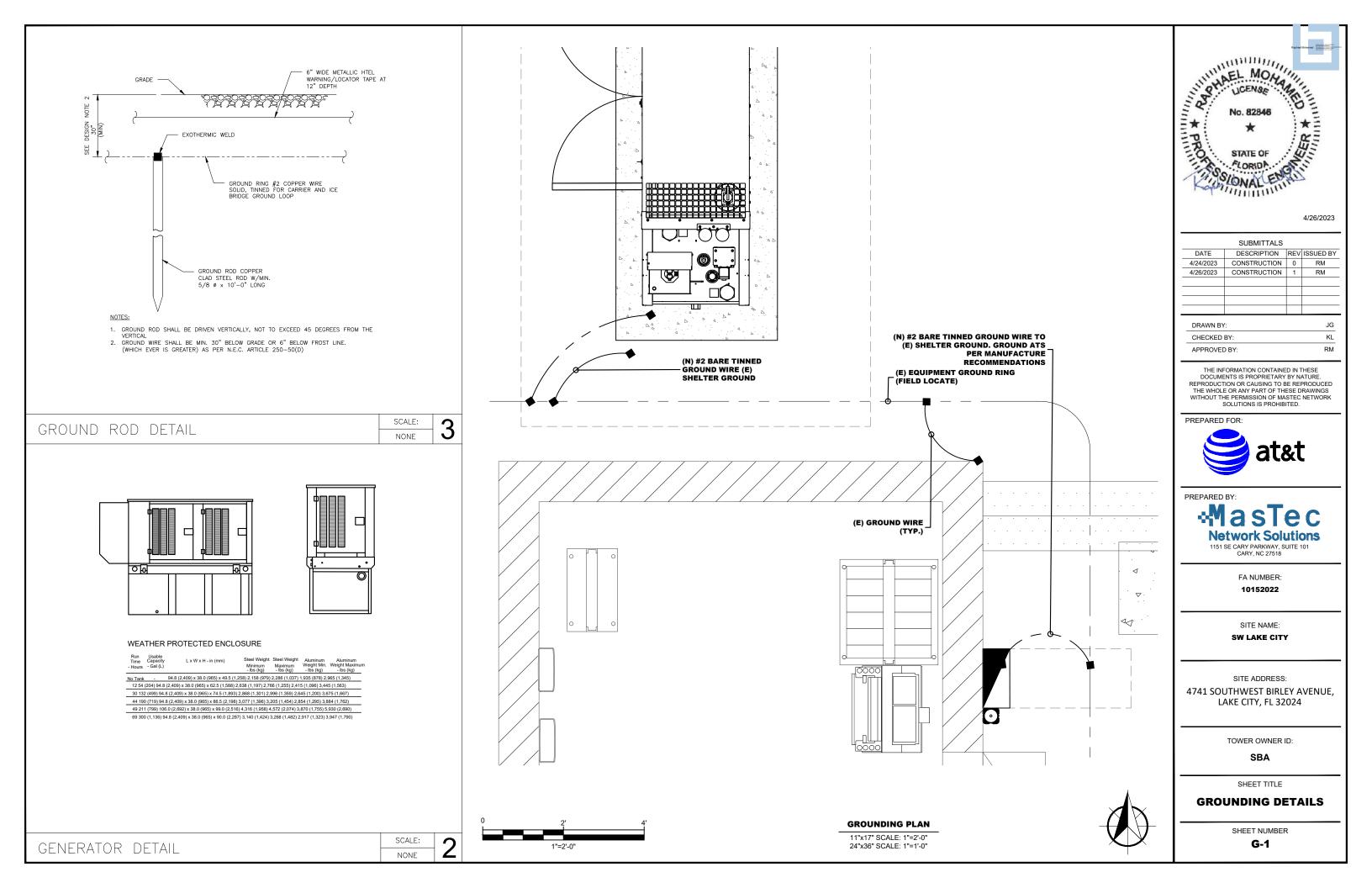


GENERATOR	ALARM IDENTIFICATION CHART	ALARM REQUIREMENTS AT&T REQUIRES FOUR ALARMS CONFIRMED WORKING: NORMALLY CLOSED VOLT-FREE CONTACT FOR:	AU A.
NAME	DESCRIPTION	1. GENERATOR RUN	В.
CF	CRITICAL FAILURE	2. GENERATOR FAIL 3. LOW FUEL	
FL	FUEL LEAK OVERFILL	4. FUEL LEAK	СА
GR	GENERATOR RUNNING	5. RBS GENERATOR MJ COLOR CODE	Α.
FL	LOW FUEL	GENERATOR:	в.
MAF	MAJOR FAULT	A. CABLE – (2) CAT6 B. COLOR CODE	
MF	MINOR FAULT	1. GENERATOR RUN - ALARM PORT #14 (ORANGE & WHITE)	
FL	GEN FUEL LEAK TANK WHT/SLATE	2. GENERATOR FAIL - ALARM PORT #15 (BLUE & WHITE)	
	O LABEL WIRES W/ P-TOUCH OR SIMILAR ABSOLUTELY NO HANDWRITTEN LABELS.	3. LOW FUEL - ALARM (PORT P32) ON I/O BOARD (GREEN & WHITE) 4. FUEL LEAK - P32 ON I/O BOARD) (BROWN & WHITE)	

ALARM DETAILS



ITOMATIC TRANSFER SWITCH CABLE – cat6e COLOR CODE 1. COMMERCIAL POWER FAIL IF REQUIRED (BLUE WHITE) 2. TRANSFER SWITCH POSITION (BROWN WHITE) M LOCK ALARM CABLE – cat6e COLOR CODE 1. PORTABLE GENERATOR RUNNING (ORANGE WHITE) (IF REQUIRED)		HIND * PROF	EL MOAL		
	SCALE: NONE	3	Kap	ONAL EN	A.
					4/26/2023
			DATE 4/24/2023 4/26/2023	SUBMITTALS DESCRIPTION CONSTRUCTION CONSTRUCTION	REV ISSUED BY 0 RM 1 RM
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TB5 Ø Ø Ø Ø Ø Ø 1 2 3 4 5 6 Ø Ø Ø Ø Ø Ø 2 3 2 5 contact r RUPTURED BASIN ALARM ALARM	A TING: C			ata	BY NATURE. E REPRODUCED ISE DRAWINGS STEC NETWORK TED. STEC
				FA NUMBER: 10152022	
				SITE NAME: Sw lake city	,
				SITE ADDRESS: JTHWEST BIRLE AKE CITY, FL 321	Y AVENUE,
				TOWER OWNER I	D:
			<u> </u>	SHEET TITLE	
			AL	ARM DETA	ILS
	SCALE: NONE	2		E-4	



_D050 3.4L 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



*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, UL142

BS5514 and DIN 6271

NFPA 37, 70, 99, 110

NEC700, 701, 702, 708

ISO 3046, 7637, 8528, 9001



NEMA ICS10, MG1, 250, ICS6, AB1

ansi

ANSI C62.41

IBC 2009, CBC 2010, IBC 2012, ASCE 7-05, ASCE 7-10, ICC-ES AC-156 (2012)

Powering Ahead

For over 50 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.

EPA Certified Stationary Emergency

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Air Cleaner
- Fan Guard
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Critical Silencer (Enclosed Units Only)

Fuel System

- Fuel Lockoff Solenoid
- Primary Fuel Filter

Cooling System

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze
- 120 VAC Coolant Heater

Electrical System

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

ALTERNATOR SYSTEM

- UL2200 GENprotect[™]
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- · Sealed Bearing
- Automated Manufacturing (Winding, Insertion, Lacing, Varnishing)
- Rotor Dynamically Spin Balanced
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits High/Low Voltage
- Separation of Circuits Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Only)
- Silencer of Heat Shield

ENCLOSURE (If Selected)

 Rust-Proof Fasteners with Nylon Washers to Protect Finish

INDUSTRIAL

- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors

GENERAC

- Stamped Air-Intake Louvers
- 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 S-601
- Double Wall Construction
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested 2 psi
- Rupture Basin Alarm
- Fuel Level

Oil Pressure

Coolant Level

Engine Speed

Battery Voltage

Frequency

Oil PressureCoolant Temperature

Coolant Level

Battery Voltage

Engine Overspeed

Alarms and Warnings

· Alarms and Warnings Time and Date Stamped

Snap Shots of Key Operation Parameters During

· Alarms and Warnings Spelled Out (No Alarm Codes)

SPEC SHEET

2 of 6

Coolant Temperature

Alarms and Warnings

- 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

kW Hours, Total, and Last Run

Real/Reactive/Apparent Power

Power Output (kW)

All Phase AC Voltage

All Phase Currents

Power Factor

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CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Engine Coolant Heater
- Oil Heater
- Industrial Silencer (Open Set)
- Air Filter Restriction Indicator
- Fan and Belt Guards (Enclosed Units Only)

FUEL SYSTEM

- Flexible Fuel Lines
- Primary Fuel Filter

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

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

GENERATOR SET

8 Position Load Center

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- $\,\circ\,\,$ 2nd Main Line Circuit Breaker
- $\,\circ\,\,$ Shunt Trip and Auxiliary Contact
- $\,\circ\,$ Electronic Trip Breakers

ENCLOSURE

- Weather Protected Enclosure
- $\,\circ\,$ Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated with Motorized Dampers
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- $\,\circ\,$ AC/DC Enclosure Lighting Kit
- Door Open Alarm Switch
- Pad Vibration Isolator
- Enclosure Heater

WARRANTY (Standby Gensets Only)

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

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- $\,\circ\,\,$ Remote Relay Assembly (8 or 16)
- $\circ~$ Oil Temperature Sender with 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)
- Remote Communication Modem
- 10A Engine Run Relay
- $\circ~$ Ground Fault Indication and Protection Functions
- 100 dB Alarm Horn
- 120V GFCI and 240V Outlets

FUEL TANKS (Size On Last Page)

- 8 in (203.2 mm) Fill Extension
- $\,\circ\,$ 13 in (330.2 mm) Fill Extension
- 19 in (482.6 mm) Fill Extension
- Overfill Protection Valve
- Vent Extensions
- Tank Risers
- Fuel Drop Tube
- Return Hose
- \circ 90% Fuel Level Alarm

ALTERNATOR SYSTEM

○ 3rd Breaker System

GENERATOR SET

- Special Testing
- IBC Seismic Certification

TANKS

- O UL2085 Tank
- O Stainless Steel Tanks

GENERAC[®]

INDUSTRIAL

EPA Certified Stationary Emergency

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Generac
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	4
Туре	In-Line
Displacement - in ³ (L)	207.48 (3.4)
Bore - in (mm)	3.86 (98)
Stroke - in (mm)	4.45 (113)
Compression Ratio	18.5:1
Intake Air Method	Turbocharged/Aftercooled
Cylinder Head	Cast Iron OHV
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Governing	
Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%
Lubrication System	
Oil Pump Type	Gear
Oil Filter Type	Full Flow Cartridge
Crankcase Capacity - qt (L)	7.4 (7)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Pre-Lubed, Self Sealing
Fan Type	Pusher
Fan Speed - rpm	2,250
Fan Diameter - in (mm)	560 (22)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2		
Fuel Specifications	ASTM		
Fuel Filtering (microns)	10		
Fuel Inject Pump	Bosch (VE)		
Fuel Pump Type	Engine Driven Gear		
Injector Type	Pintel - 2,100 psi (14,479 kPa)		
Fuel Supply Line - in (mm)	0.312 (7.92) NPT		
Fuel Return Line - in (mm)	0.312 (7.92) NPT		

Engine Electrical System

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

ALTERNATOR SPECIFICATIONS

Standard Model	K0050124Y21	Standard Excitation	Synchronous Brushless
Poles	4	Bearings	Single Sealed Cartridge
Field Type	Revolving	Coupling	Direct via Flexible Disc
Insulation Class - Rotor	Н	Load Capacity - Standby	100%
Insulation Class - Stator	Н	Prototype Short Circuit Test	Yes
Total Harmonic Distortion	<5% (3-Phase)	Voltage Regulator Type	Digital
Telephone Interference Factor (TIF)	< 50	Number of Sensed Phases	All
		Regulation Accuracy (Steady State)	±0.25%

GENERAC[®] INDUSTRIAL

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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*

	Diesel	- gph (Lph)
Fuel Pump Lift - ft (m)	Percent Load	Standby
3 (1)	25%	1.3 (4.9)
	50%	2.3 (8.7)
Total Fuel Pump Flow (Combustion + Return) - gph (Lph)	75%	3.3 (12.5)
3.6 (13.5)	100%	4.3 (16.4)
	* Fuel supply installation m consumption rates at 100	

COOLING

ENGINE

Coolant Flow gpm (Lpm) 12.2 (46) Coolant System Capacity gal (L) 2.5 (9.5) Heat Rejection to Coolant BTU/hr (kW) 135,900 (39.8) Inlet Air scfm (m ³ /hr) 7,500 (212) Maximum Operating Ambient Temperature °F (°C) 122 (50) Maximum Ambient Temperature (Before Derate) See Bulletin No. 0199280SSD Maximum Radiator Backpressure in H ₂ O (kPa) 0.5 (0.12)			Standby	
Heat Rejection to Coolant BTU/hr (kW) 135,900 (39.8) Inlet Air scfm (m ³ /hr) 7,500 (212) Maximum Operating Ambient Temperature °F (°C) 122 (50) Maximum Ambient Temperature (Before Derate) See Bulletin No. 0199280SSD	Coolant Flow	gpm (Lpm)	12.2 (46)	
Inlet Airscfm (m³/hr)7,500 (212)Maximum Operating Ambient Temperature°F (°C)122 (50)Maximum Ambient Temperature (Before Derate)See Bulletin No. 0199280SSD	Coolant System Capacity	gal (L)	2.5 (9.5)	
Maximum Operating Ambient Temperature°F (°C)122 (50)Maximum Ambient Temperature (Before Derate)See Bulletin No. 0199280SSD	Heat Rejection to Coolant	BTU/hr (kW)	135,900 (39.8)	
Maximum Ambient Temperature (Before Derate) See Bulletin No. 0199280SSD	Inlet Air	scfm (m ³ /hr)	7,500 (212)	
	Maximum Operating Ambient Temperature	°F (°C)	122 (50)	
Maximum Radiator Backpressure in H ₂ O (kPa) 0.5 (0.12)	Maximum Ambient Temperature (Before Derate)	Ambient Temperature (Before Derate) See Bulletin No. 0199280SSD		
	Maximum Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)	

COMBUSTION AIR REQUIREMENTS

Standby 166 (4.7)

EXHAUST

		Standby			Standby
Rated Engine Speed	RPM	1,800	Exhaust Flow (Rated Output)	scfm (m ³ /min)	448 (12.7)
Horsepower at Rated kW**	hp	86	Max. Allowable Backpressure	inHg (kPa)	1.5 (5.1)
Piston Speed	ft/min (m/min)	1,335 (406.9)	Exhaust Temp (Rated Output)	°F (°C)	1,044 (562)
BMEP	psi (kPa)	169 (1,165)			

** 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.

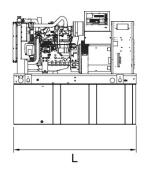
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528, and DIN6271 standards. Standby - See Bulletin 0187500SSB

Prime - See Bulletin 0187510SSB



EPA Certified Stationary Emergency

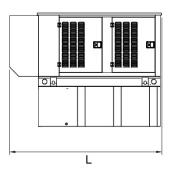
DIMENSIONS AND WEIGHTS*



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OPEN SET (Includes Exhaust Flex)

	Run Time Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Minimum Weight - Ibs (kg)	Maximum Weight - Ibs (kg)
	No Tank	-	76.7 (1,948) x 37.4 (950) x 45.2 (1,147)	1,710 (776)	1,836 (833)
H	12	54 (204)	76.7 (1,948) x 37.4 (950) x 58.2 (1,477)	2,190 (993)	2,316 (932)
	30	132 (499)	76.7 (1,948) x 37.4 (950) x 70.2 (1,782)	2,420 (1,098)	2,546 (979)
	44	190 (719)	76.7 (1,948) x 37.4 (950) x 82.2 (2,087)	2,629 (1,192)	2,755 (1,022)
1	49	211 (799)	106.0 (2,692) x 37.4 (950) x 71.2 (1,807)	2,634 (1,192)	2,760 (1,023)
	69	300 (1,136)	92.9 (2,360) x 37.4 (950) x 85.7 (2,176)	2,692 (1,221)	2,818 (1,035)

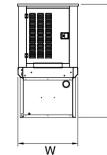


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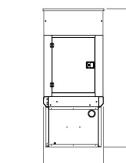
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WEATHER PROTECTED ENCLOSURE

	н	Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Steel Weight Minimum - Ibs (kg)	Steel Weight Maximum - Ibs (kg)	Aluminum WeightMinimum - Ibs (kg)	Aluminum Weight Maximum - Ibs (kg)
		No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	2,158 (979)	2,286 (1,037)	1,935 (878)	2,965 (1,345)
		12	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)	2,638 (1,197)	2,766 (1,255)	2,415 (1,096)	3,445 (1,563)
•		30	132 (499)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)	2,868 (1,301)	2,996 (1,359)	2,645 (1,200)	3,675 (1,667)
		44	190 (719)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)	3,077 (1,396)	3,205 (1,454)	2,854 (1,295)	3,884 (1,762)
		49	211 (799)	106.0 (2,692) x 38.0 (965) x 99.0 (2,516)	4,316 (1,958)	4,572 (2,074)	3,870 (1,755)	5,930 (2,690)
		69	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)	3,140 (1,424)	3,268 (1,482)	2,917 (1,323)	3,947 (1,790)

LEVEL 1 SOUND ATTENUATED ENCLOSURE

	н	Run Usable Time Capacity - Hours - Gal (L)		L x W x H - in (mm)	Steel Weight Minimum - Ibs (kg)	Steel Weight Maximum - Ibs (kg)	Aluminum Weight Minimum - Ibs (kg)	Aluminum Weight Maximum - Ibs (kg)
		No Tank	-	94.8 (2,409) x 38.0 (965) x 49.5 (1,258)	2,158 (979)	2,286 (1,037)	1,935 (878)	2,965 (1,345)
		12	54 (204)	94.8 (2,409) x 38.0 (965) x 62.5 (1,588)	2,638 (1,197)	2,766 (1,255)	2,415 (1,096)	3,445 (1,563)
•		30	132 (499)	94.8 (2,409) x 38.0 (965) x 74.5 (1,893)	2,868 (1,301)	2,996 (1,359)	2,645 (1,200)	3,675 (1,667)
		44	190 (719)	94.8 (2,409) x 38.0 (965) x 86.5 (2,198)	3,077 (1,396)	3,205 (1,454)	2,854 (1,295)	3,884 (1,762)
		49	211 (799)	106.0 (2,692) x 38.0 (965) x 99.0 (2,516)	4,316 (1,958)	4,572 (2,074)	3,870 (1,755)	5,930 (2,690)
		69	300 (1,136)	94.8 (2,409) x 38.0 (965) x 90.0 (2,287)	3,140 (1,424)	3,268 (1,482)	2,917 (1,323)	3,947 (1,790)



LEVEL 2 SOUND ATTENUATED ENCLOSURE

	Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)	Steel Weight Minimum - Ibs (kg)	Steel Weight Maximum - Ibs (kg)	Aluminum Weight Minimum - Ibs (kg)	Aluminum Weight Maximum - Ibs (kg)
H	No Tank	-	94.8 (2,409) x 38 (965) x 70.1 (1,780)	2,389 (1,084)	2,517 (1,142)	2,035 (923)	2,163 (981)
	12	54 (204)	94.8 (2,409) x 38 (965) x 62.5 (1,588)	2,638 (1,197)	2,766 (1,255)	2,415 (1,095)	3,445 (1,563)
	30	132 (499)	94.8 (2,409) x 38 (965) x 74.5 (1,893)	2,868 (1,301)	2,996 (1,359)	2,645 (1,200)	3,675 (1,667)
	44	190 (719)	94.8 (2,409) x 38 (965) x 86.5 (2,198)	3,077 (1,396)	3,205 (1,454)	2,854 (1,295)	3,884 (1,762)
	49	211 (799)	106.0 (2,692) x 38 (965) x 99 (2,516)	4,316 (1,958)	4,572 (2,074)	3,870 (1,755)	5,930 (2,690)
	69	300 (1,136)	94.8 (2,409) x 38 (965) x 110.6 (2,809)	3,371 (1,529)	3,499 (1,587)	3,017 (1,368)	3,145 (1,427)

* 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.

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