



Administrative Authorization Application

Portland, Maine
Planning and Urban Development Department, Planning Division

PROJECT NAME: AT&T MOBILITY WIRELESS NEW SITE INSTALLATION

PROJECT ADDRESS: 25 Pearl Street **CHART/BLOCK/LOT:** 029 E009001

APPLICATION FEE: \$50.00 (\$50.00)

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

Installation of 3 Additional Antennas and associated equipment to existing facility

CONTACT INFORMATION:

OWNER/APPLICANT

Name: AT&T Mobility
Address: c/o SAI Communications
22 Keewaydin Dr
Salem, NH
Cell #: (603) 531-9230
Fax #: ATT: Toby Slagle
Home #:
E-mail: Toby.Slagle@SAI-Comm.com

CONSULTANT/AGENT

Name: Peter Cooke
Address: POB 874
Wolfeboro, NH 03894
Work #: 978-399-8600
Cell #: 978-399-8600
Fax #:
Home #:
E-mail: pcooke@wellmanassociates.net

Criteria for an Administrative Authorization: (see section 14-523(4) on pg .2 of this appl.)

- a) Is the proposal within existing structures? _____
- b) Are there any new buildings, additions, or demolitions? _____
- c) Is the footprint increase less than 500 sq. ft.? _____
- d) Are there any new curb cuts, driveways or parking areas? _____
- e) Are the curbs and sidewalks in sound condition? _____
- f) Do the curbs and sidewalks comply with ADA? _____
- g) Is there any additional parking? _____
- h) Is there an increase in traffic? _____
- i) Are there any known stormwater problems? _____
- j) Does sufficient property screening exist? _____
- k) Are there adequate utilities? _____
- l) Are there any zoning violations? _____
- m) Is an emergency generator located to minimize noise? _____
- n) Are there any noise, vibration, glare, fumes or other impacts? _____

Applicant's Assessment Planning Division
Y(yes), N(no), N/A

No _____
Yes _____
Yes _____
No _____
Yes _____
Yes _____
No _____
No _____
No _____
Yes _____
Yes _____
No _____
N/A _____
No _____

Signature of Applicant: *Toby Slagle*

Date:

6/12/12

RECEIVED

JUN 12 2012

City of Portland
Planning Division

Administrative Authorization Decision

Name: AT &T Mobility Wireless New Site Installation
 Address: 25 Pearl Street
 Project Description:

Criteria for an Administrative Authorizations:
 Section 14-523 (4) on page 2 of this application)

Applicant's Assessment
 Y(yes), N(no), N/A Use Only

(See
 Planning Division

a) Is the proposal within existing structures?	No	No
b) Are there any new buildings, additions, or demolitions?	Yes	Yes, 3 antennas and equipment
c) Is the footprint increase less than 500 sq. ft.?	Yes	Yes
d) Are there any new curb cuts, driveways or parking areas?	No	No
e) Are the curbs and sidewalks in sound condition?	Yes	Yes
f) Do the curbs and sidewalks comply with ADA?	Yes	Yes
g) Is there any additional parking?	No	No
h) Is there an increase in traffic?	No	No
i) Are there any known stormwater problems?	No	No
j) Does sufficient property screening exist?	Yes	Yes
k) Are there adequate utilities?	Yes	Yes
l) Are there any zoning violations?	No	No
m) Is an emergency generator located to minimize noise?	N/A	Yes
n) Are there any noise, vibration, glare, fumes or other impacts?	No	No

I confirmed with Deb Andrews, Historic Preservation Manager, that the proposed site is outside of the Historic District and does not require Historic Preservation Review.

The Administrative Authorization for wireless site installation was approved by Barbara Barhydt, Development Review Services Manager on June 29, 2012 with the following condition(s) of approval listed below:

1. The noise attenuation as proposed shall be installed to minimize noise levels.
2. The emergency generator will be tested during normal business hours of 9 to 5 during the week, Monday through Friday.
3. The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.



Barbara Barhydt
 Development Review Services Manager
 Date of Approval:

Planning Division Use Only Authorization Granted _____ Partial Exemption _____ Exemption Denied _____

Standard Condition of Approval: The applicant shall obtain all required City Permits, including building permits from the Inspection Division (Room 315, City Hall (874-8703)) prior to the start of any construction.

Planner Signature _____ Date _____

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207)874-8703, to determine what other City permits, such as a building permit, will be required.

**PROVISION OF PORTLAND CITY CODE
14-523 (SITE PLAN ORDINANCE)**

RE: Administrative Authorization

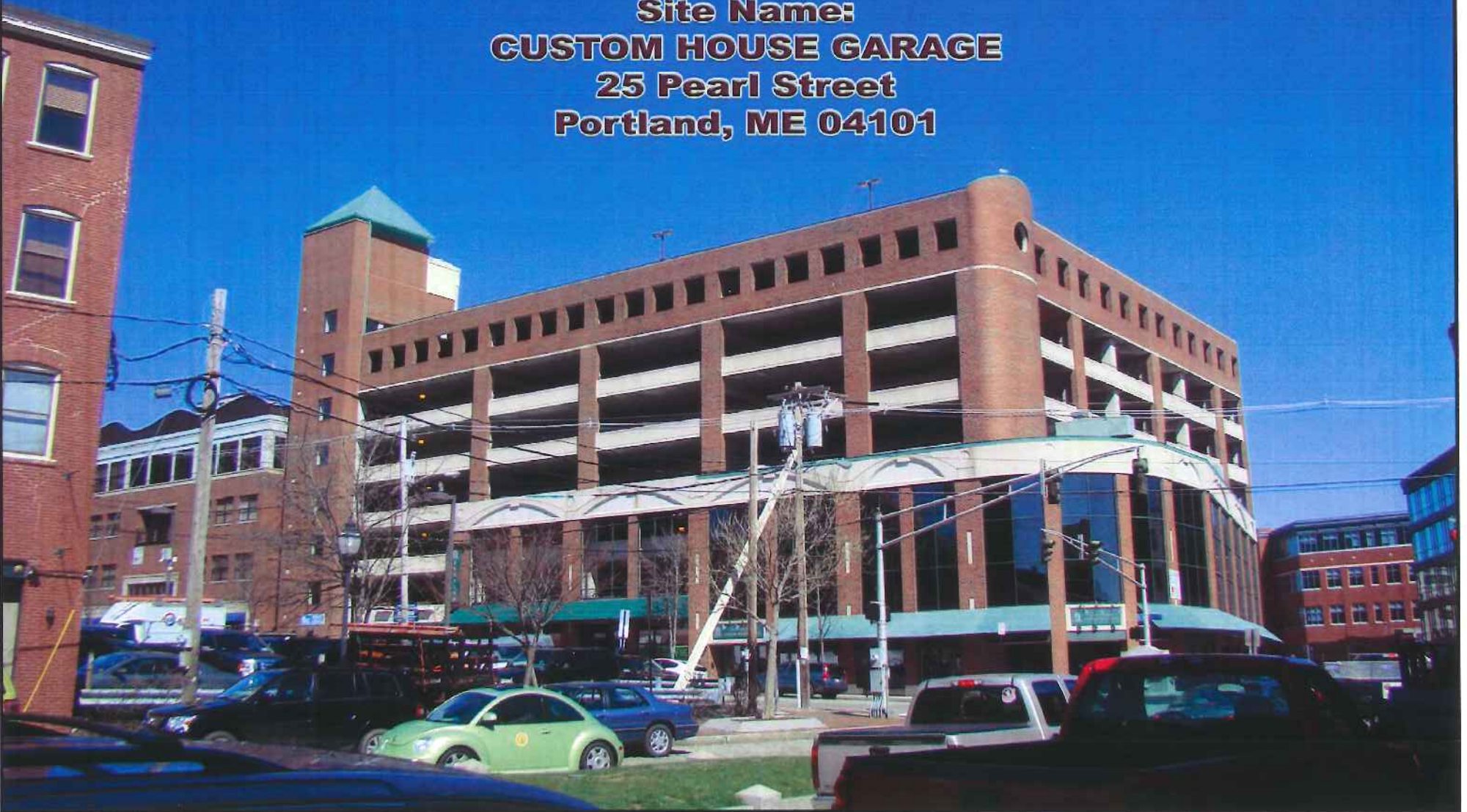
Sec. 14-523 (b). Applicability

No person shall undertake any development identified in Section 14-523 without obtaining a site plan improvement permit under this article. (c) Administrative Authorization. Administrative Authorization means the Planning Authority may grant administrative authorization to exempt a development proposal from complete or partial site plan review that meets the standards below, as demonstrated by the applicant.

1. The proposed development will be located within existing structures, and there will be no new buildings, demolitions, or building additions other than those permitted by subsection b of this section;
2. Any building addition shall have a new building footprint expansion of less than five hundred (500) square feet;
3. The proposed site plan does not add any new curb cuts, driveways, or parking areas; the existing site has no more than one (1) curb cut and will not disrupt the circulation flows and parking on-site; and there will be no drive-through services provided;
4. The curbs and sidewalks adjacent to the lot are complete and in sound condition, as determined by the public works authority, with granite curb with at least four (4) inch reveal, and sidewalks are in good repair with uniform material and level surface and meet accessibility requirements of the Americans with Disabilities Act;
5. The use does not require additional or reduce existing parking, either on or off the site, and the project does not significantly increase traffic generation;
6. There are no known stormwater impacts from the proposed use or any existing deficient conditions of stormwater management on the site;
7. There are no evident deficiencies in existing screening from adjoining properties; and
8. Existing utility connections are adequate to serve the proposed development and there will be no disturbance to or improvements within the public right-of-way.
9. There are no current zoning violations;
10. Any emergency generators are to be located to minimize noise impacts to adjoining properties and documentation that routine testing of the generators occur on weekdays between the hours of 9 a.m. to 5 p.m. Documentation pertaining to the noise impacts of the emergency generator shall be submitted; and
11. There is no anticipated noise, vibration, glare, fumes or other foreseeable impacts associated with the project.

- a. **Filing the Application.** An applicant seeking an administrative authorization under this subsection shall submit an administrative authorization application for review, detailing the site plan with dimensions of proposed improvements and distances from all property lines, and stating that the proposal meets all of the provisions in standards 1-11 of Section 14-423 (b)1. **The application must be accompanied by an application fee of \$50.**
- b. **Review.** Upon receipt of such a complete application, the Planning Authority will process it and render a written decision of approval, approval with conditions or denial, with all associated findings.
- c. **Decision.** If a full administrative authorization is granted, the application shall be approved without further review under this article, and no performance guarantee shall be required. In the event that the Planning Authority determines that standards a and b of Section 14-523 (b) (1) and at least four (4) of the remaining standards have been met, the Planning Authority shall review the site plan according to all applicable review standards of Section 14-526 that are affected by the standards in this subsection that have not been met. If an exemption or partial exemption from site plan review is not granted, the applicant must submit a site plan application that will undergo a full review by the Planning Board or Planning Authority according to the standards of Section 14-526.

**Prepared For:
AT&T Mobility
Site No.: ME2976
Site Name:
CUSTOM HOUSE GARAGE
25 Pearl Street
Portland, ME 04101**

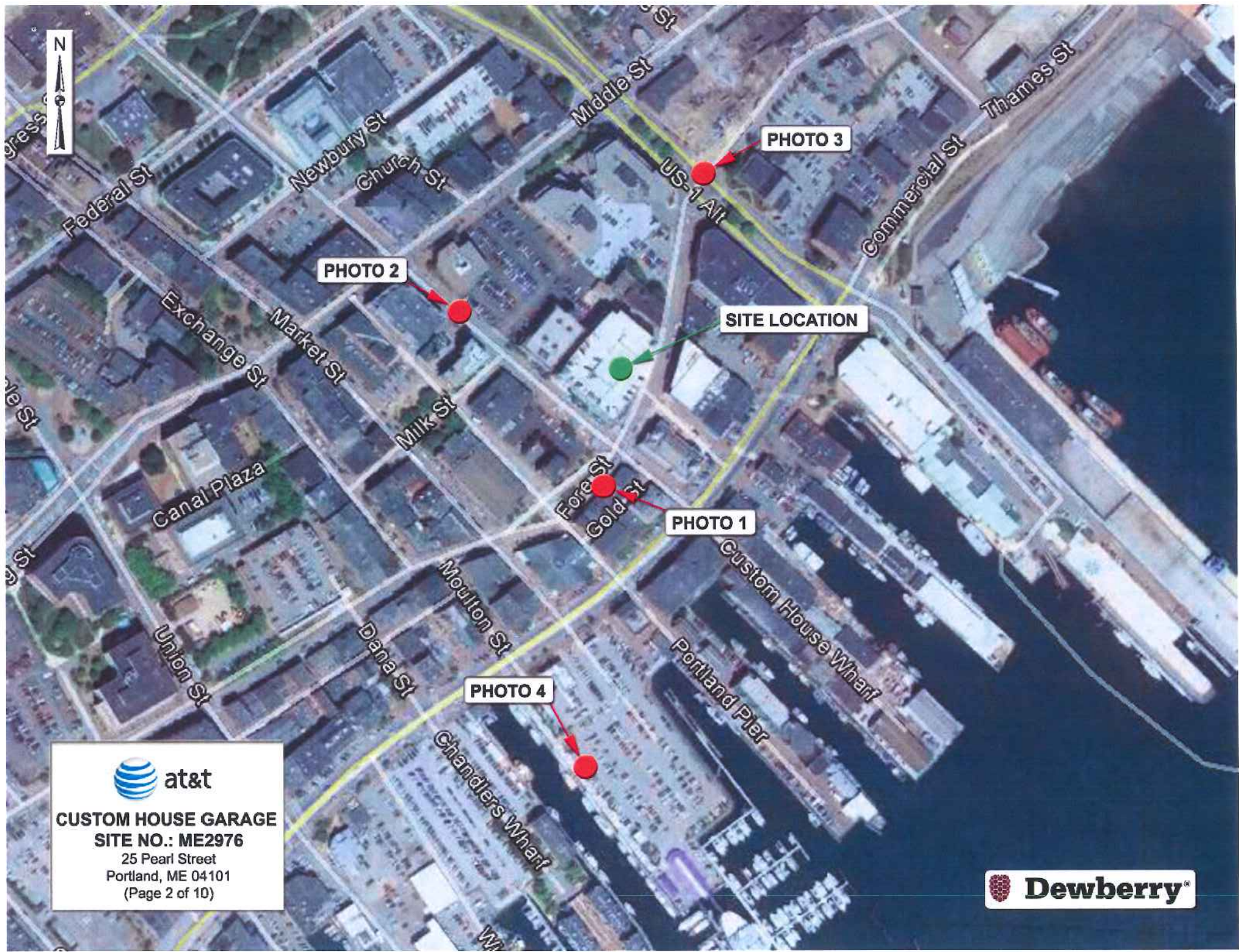



For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.



CUSTOM HOUSE GARAGE
Site No.: ME2976
DEWBERRY NO.50041018
(Page 1 of 10)







CUSTOM HOUSE GARAGE
SITE NO.: ME2976
 25 Pearl Street
 Portland, ME 04101
 (Page 2 of 10)



Actual View



CUSTOM HOUSE GARAGE

Photo 1A

View Facing North
From Fore Street
(Page 3 of 10)



Proposed View

Proposed Facade Mounted
Antenna (4/Sector) (Typ.-12)



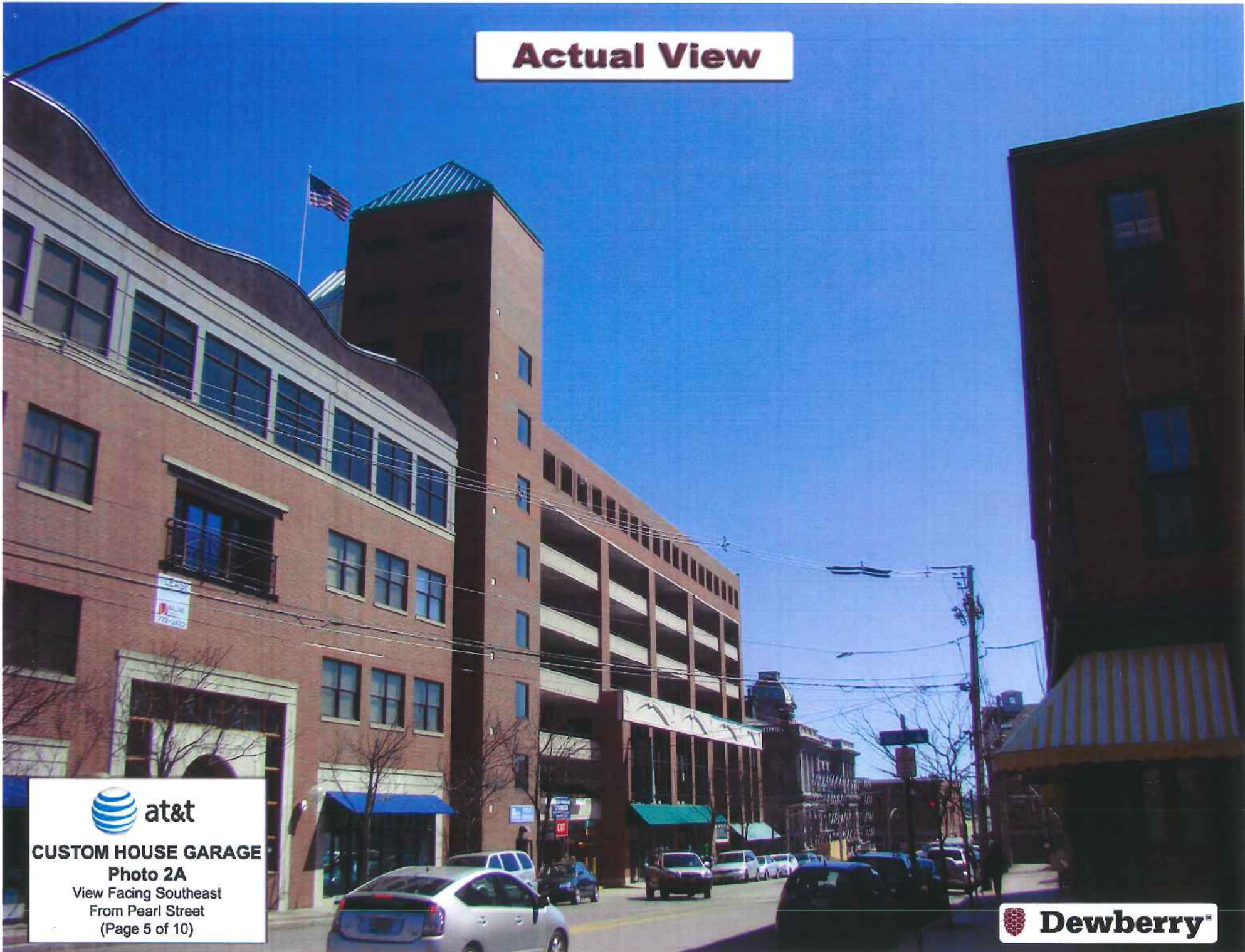
CUSTOM HOUSE GARAGE


Photo 1B

View Facing North
From Fore Street
(Page 4 of 10)



Actual View



 **at&t**
CUSTOM HOUSE GARAGE
Photo 2A
View Facing Southeast
From Pearl Street
(Page 5 of 10)

 **Dewberry**

Proposed View

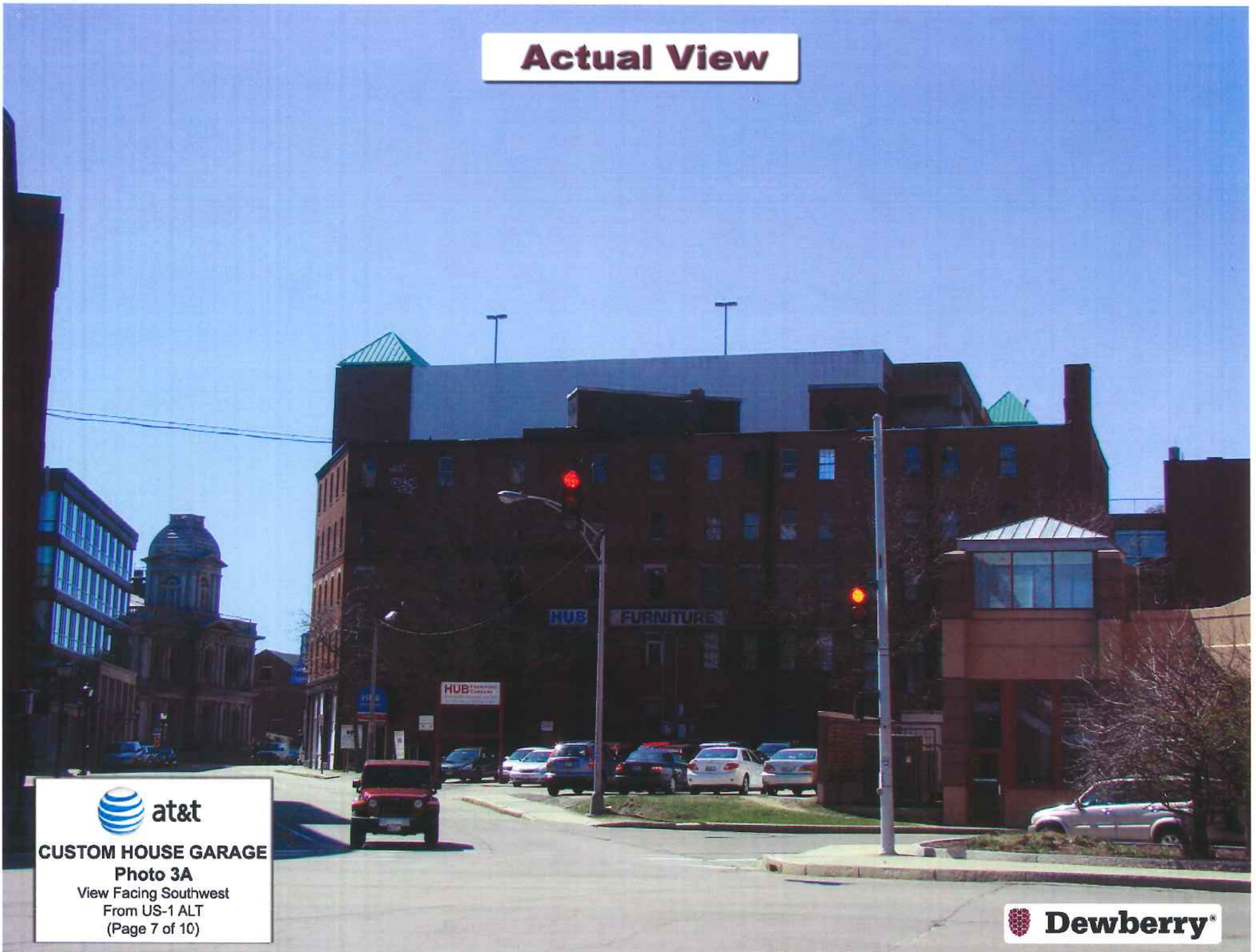
Proposed Facade Mounted
Antenna (4/Sector) (Typ.-12)



CUSTOM HOUSE GARAGE
Photo 2B
View Facing Southeast
From Pearl Street
(Page 6 of 10)



Actual View



CUSTOM HOUSE GARAGE

Photo 3A

View Facing Southwest
From US-1 ALT
(Page 7 of 10)



Proposed View

Proposed Facade Mounted
Antenna (4/Sector) (Typ.-12)


Proposed Cable Tray
On Building facade

 **at&t**
CUSTOM HOUSE GARAGE
Photo 3B
View Facing Southwest
From US-1 ALT
(Page 8 of 10)

 **Dewberry®**

Actual View



 **at&t**
CUSTOM HOUSE GARAGE
Photo 4A
View Facing North
From Portland Pier
(Page 9 of 10)

 **Dewberry®**

Proposed View

Proposed Facade Mounted
Antenna (4/Sector) (Typ.-12)

*"May you have fair winds
and following seas"*

CORHAM
TRUCK RENTALS



CUSTOM HOUSE GARAGE

Photo 4B

View Facing North
From Portland Pier
(Page 10 of 10)



Barbara Barhydt - Re: AT&T Mobility Proposed Installation at 25 Pearl Street

From: Peter Cooke <pcooke@wellmanassociates.net>
To: Barbara Barhydt <BAB@portlandmaine.gov>
Date: Tuesday, June 26, 2012 11:31 AM
Subject: Re: AT&T Mobility Proposed Installation at 25 Pearl Street
Attachments: Generac 50KW Diesel Generator Specifications 2011.pdf

Thanks Barbara

Genset specs attached – last page has noise levels. AT&T uses the sound enclosure so 71 dB at 23 feet away.

We plan to head to the Building Dept next – they like to see your review as part of the application. We also wanted to include any modifications you may request as part of the plan set we file with them.

Peter Cooke
978.399.8600 (M)

From: Barbara Barhydt <BAB@portlandmaine.gov>
Date: Tuesday, June 26, 2012 10:58 AM
To: Peter Cooke <pcooke@wellmanassociates.net>
Cc: Deb Andrews <DLA@portlandmaine.gov>
Subject: Re: AT&T Mobility Proposed Installation at 25 Pearl Street

Hi Peter:

I spoke with Deb this morning and she said that the site is outside of the district boundaries, thus it does not require Historic Preservation Review. I have added her on this e-mail to confirm.

I will finish my review when I receive the additional information. You will need to obtain a building permit, so you will want to submit an application to the Inspections Division if you have not done that already.

Thank you.

Barbara

Barbara Barhydt
Development Review Services Manager
Planning Division
389 Congress Street 4th Floor
Portland, ME 04101
(207) 874-8699
Fax: (207) 756-8256

bab@portlandmaine.gov>>> Peter Cooke <pcooke@wellmanassociates.net> Tuesday, June 26, 2012 10:30 AM

>>>
Thanks Barbara

I will pull together the specs and get them to you. Routine testing as you request will be no problem – that is our preference as well as the technician for the site is normally there during regular business hours anyway

We were unsure as to what historic review might be needed given the proximity to the Old Port area – have you determined whether a hearing with the Commission will be required? As you know, these sites require State Historic approval as a matter of course so we like to be able to tell them the status of local historic review when we can.

Peter Cooke
978.399.8600 (M)

From: Barbara Barhydt <BAB@portlandmaine.gov>
Date: Tuesday, June 26, 2012 10:08 AM
To: Peter Cooke <pcooke@wellmanassociates.net>
Subject: Re: AT&T Mobility Proposed Installation at 25 Pearl Street

Hi Peter:

Thank you for this information.

As I understand the proposal, there is a generator proposed. Is there any noise attenuation being proposed for the emergency generator and what are the projected noise levels? Please forward the specifications to me.

We do require that any routine testing of generators be done during regular weekday business hours, rather than at night or on weekends. That will be a condition of approval.

Thank you.

Barbara

Barbara Barhydt
Development Review Services Manager
Planning Division
389 Congress Street 4th Floor
Portland, ME 04101
(207) 874-8699
Fax: (207) 756-8256

bab@portlandmaine.gov>>> Peter Cooke <pcooke@wellmanassociates.net> Friday, June 22, 2012 9:56 AM

>>>
Deb/Barbara

Per my telephone conversation with Deb today, please find the attached photo simulations and view shed analysis for the above referenced project that we thought would be helpful in your Administrative Authorization review. We also have a pdf of the plans submitted that I can forward if that is easier to review than the hard copy plans submitted.

Please call me with any questions or comments. Thank you.

Peter Cooke
978.399.8600 (M)

Standby Power Rating
50KW 60 Hz



features

Generator Set

- PROTOTYPE & TORSIONALLY TESTED
- UL2200 TESTED
- RHINOCOAT PAINT SYSTEM
- SOUND LEVEL 2 ENCLOSURE

Engine

- EPA TIER CERTIFIED
- INDUSTRIAL TESTED, GENERAC APPROVED
- POWER-MATCHED OUTPUT
- INDUSTRIAL GRADE

Alternator

- TWO-THIRDS PITCH
- LAYER WOUND ROTOR & STATOR
- CLASS H MATERIALS
- DIGITAL 3-PHASE VOLTAGE CONTROL

Controls

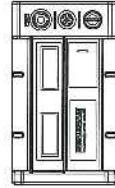
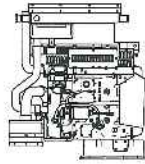
- ENCAPSULATED BOARD W/ SEALED HARNESS
- 4-20mA VOLTAGE-TO-CURRENT SENSORS
- SURFACE-MOUNT TECHNOLOGY
- ADVANCED DIAGNOSTICS & COMMUNICATIONS

benefits

- ▶ PROVIDES A PROVEN UNIT
- ▶ ENSURES A QUALITY PRODUCT
- ▶ IMPROVES RESISTANCE TO ELEMENTS
- ▶ 71dba @ 7 METERS (23FT)
- ▶ ENVIRONMENTALLY FRIENDLY
- ▶ ENSURES INDUSTRIAL STANDARDS
- ▶ ENGINEERED FOR PERFORMANCE
- ▶ IMPROVES LONGEVITY AND RELIABILITY

- ▶ ELIMINATES HARMFUL 3RD HARMONIC
- ▶ IMPROVES COOLING
- ▶ HEAT TOLERANT DESIGN
- ▶ FAST AND ACCURATE RESPONSE

- ▶ EASY, AFFORDABLE REPLACEMENT
- ▶ NOISE RESISTANT 24/7 MONITORING
- ▶ PROVIDES VIBRATION RESISTANCE
- ▶ HARDENED RELIABILITY



SD050

application and engineering data

ENGINE SPECIFICATIONS

General	Iveco / FPT
Make	Tier III
EPA Emissions Compliance	See Emissions Data Sheet
EPA Emissions Reference	4
Cylinder #	Diesel
Type	4.5 (2.74)
Displacement - L (cu. in.)	105 (4.1)
Bore - mm (in.)	132 (5.2)
Stroke - mm (in.)	175:1
Compression Ratio	Turbocharged
Intake Air Method	2 Valve
Cylinder Head Type	Aluminum
Piston Type	Forged Steel
Crankshaft Type	Cast Iron / Wet Sleeve

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	+/- 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (gal)(qts)	13.6 (3.6) (14.4)

Cooling System

Cooling System Type	Closed
Water Pump	Belt Driven Centrifugal
Fan Type	Pusher
Fan Blade Number	2538 (10)
Fan Diameter (in.)	26
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Standyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	1/4 inch Npt
Fuel Return Line - mm (in.)	1/4 inch Npt

Engine Electrical System

System Voltage	12VDC
Battery Charging Alternator	90 Amp
Battery Size (at 0 oC)	Optima Redtop
Battery Group	34
Battery Voltage	12VC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 3.5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	PMG
Bearings	Single Sealed Cartridge
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Load Capacity - Prime	100%
Prototype Short Circuit Test	Y

Voltage Regulator Type

Number of Sensed Phases	Digital
Regulation Accuracy (Steady State)	All
	+/- 0.25%

CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99
NFPA 110
ISO 8528-5
ISO 1708A.5
ISO 3046
BS5514
SAE J1349
DIN6271
IEEE C62.41 TESTING
NEMA ICS 1

Rating Definitions:

Standby – Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)

Prime – Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

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operating data (60Hz)

POWER RATINGS (kW)

STANDBY	
50	Amps: 208
-	Amps: -
-	Amps: -
-	Amps: -
-	Amps: -

Single-Phase 120/240VAC @1.0pf
 Three-Phase 120/208VAC @0.8pf
 Three-Phase 120/240VAC @0.8pf
 Three-Phase 277/480VAC @0.8pf
 Three-Phase 346/600VAC @0.8pf

NOTE: Generator output limited to 200A.

STARTING CAPABILITIES (sKVA)

Alternator*	kW	sKVA vs. Voltage Dip											
		480VAC					208/240VAC						
Standard	50	10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Upsize 1		-	-	-	-	-	-	26	39	52	65	77	90
Upsize 2		-	-	-	-	-	-	-	-	-	-	-	-

*All Generac industrial alternators utilize Class H insulation materials. Standard alternator provides less than or equal to Class B temperature rise. Upsize 1 provides less than or equal to Class B temperature rise. Upsize 2 provides less than or equal to Class B temperature rise.

FUEL

Fuel Consumption Rates

Fuel Pump Lift - in (m)	36(9)	
STANDBY		
Percent Load	gph	lph
25%	1.52	5.75
50%	2.33	8.82
75%	3.08	11.65
100%	4.15	15.71

COOLING

Coolant System Capacity - Gal (L)	4.5 (17.44)	
Maximum Radiator Backpressure	1.5" H ₂ O Column	
STANDBY		
Coolant Flow per Minute	gpm (lpm)	32.7(123.8)
Heat rejection to Coolant	BTU/min	123,000
Inlet Air	cfm (m ³ /min)	6,360 (180.0)
Max. Operating Radiator Air Temp	F° (C°)	122(50)
Max. Operating Ambient Temperature	F° (C°)	122(50)

COMBUSTION AIR REQUIREMENTS

Intake Flow at Rated Power	cfm (m ³ /min)	247 (7.00)
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EXHAUST

Exhaust Outlet Size (Open Set)	3.0"	
Maximum Backpressure (Post-Silencer)	1.5" Hg	
STANDBY		
Exhaust Flow (Rated Output)	cfm (m ³ /hr)	534(906.7)
Maximum Backpressure	inHg (Kpa)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	930(498.8)

ENGINE

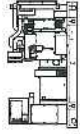
Rated Engine Speed	rpm	1800
Horsepower at Rated kW	hp	93
Temperature Deration	Consult Factory	
Altitude Deration	Consult Factory	

* CA units include aftertreatment

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

SD050

standard features and options



GENERATOR SET

- Genset Vibration Isolation Std
- Factory Testing Std
- Extended warranty Std
- Padlockable Doors Std
- Steel Enclosure (Enclosed Models) Std
- Remote Emergency Shutdown Opt



ENGINE SYSTEM

- **General**
- Oil Drain Extension Std
- Air Cleaner Std
- Industrial Exhaust Silencer (Open Sets, ship loose) Std
- Critical Exhaust Silencer (Enclosed Sets) Std
- Stainless steel flexible exhaust connection Std
- **Fuel System**
- Primary Fuel Filter with Water Separator Std
- Flexible Fuel Lines Std
- UL142 Fuel Tank, 48 Hr Runtime Std
- 2 Gal Overflow Containment with Alarm Std



CONTROL SYSTEM

- **Control Panel**
- Digital H Control Panel - Dual 4x20 Display Std
- Programmable Crank Limiter Std
- 7-Day Programmable Exerciser (requires H-Transfer Switch) Std
- Special Applications Programmable PLC Std
- RS-232 Std
- RS-485 Std
- All-Phase Sensing DVR Std
- Full System Status Std
- Utility Monitoring (Req. H-Transfer Switch) Std
- 2-Wire Start Compatible Std
- Power Output (kW) Std
- Power Factor Std
- Reactive Power Std
- All phase AC Voltage Std
- All phase Currents Std
- Oil Pressure Std
- Coolant Temperature Std
- Coolant Level Std
- Low Fuel Pressure Indication Std
- Engine Speed Std
- Battery Voltage Std
- Frequency Std
- Date/Time Fault History (Event Log) Std
- UL2200 GENprotect™ Std
- Low-Speed Exercise Opt
- Isochronous Governor Control Std
- -40deg C - 70deg C Operation Std
- Weather Resistant Electrical Connections Std
- Audible Alarms and Shutdowns Std
- Not in Auto (Flashing Light) Std
- On/Off/Manual Switch Std
- E-Stop (Red Mushroom-Type) Std
- Remote E-Stop (Break Glass-Type, Surface Mount) -
- Remote E-Stop (Red Mushroom-Type, Flush Mount) -
- NFPA 110 Level I and II (Programmable) Std
- Remote Communication - RS232 Std

Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)

- Low Fuel Std
- Oil Pressure (Pre-programmed Low Pressure Shutdown) Std
- Coolant Temperature (Pre-programmed High Temp Shutoff) Std
- Coolant Level (Pre-programmed Low Level Shutdown) Std
- Engine Speed (Pre-programmed Overspeed Shutdown) Std
- Voltage (Pre-programmed Overvoltage Shutdown) Std
- Battery Voltage Std



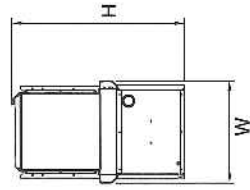
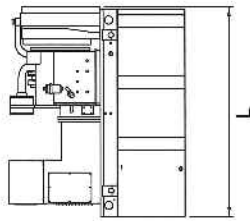
ALTERNATOR SYSTEM

- **Engine Electrical System**
- Battery charging alternator Std
- Battery cables Std
- Battery tray Std
- 75W 120VAC Battery heater Std
- Solenoid activated starter motor Std
- 10A UL float/equalize battery charger Std
- Weather Resistant electrical connections Std
- Duplex GFCI Convenience Outlet Std
- UL2200 GENprotect™ Std
- 100% Rated 200A Main Line Circuit Breaker Std

Other Options
 ● Single Side Service
 ○

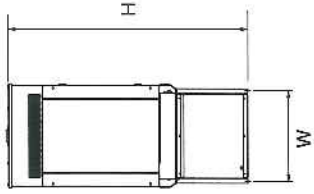
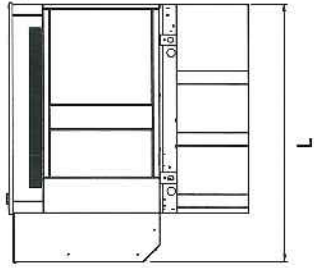
SD050

dimensions, weights and sound levels



OPEN SET

RUNTIME HOURS	TANK SIZE		L	W	H	WT	dBA*
	CAPACITY (GAL)	VOLUME					
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
48	210	210	76	38	87	3400	84
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-



LEVEL 2 SOUND ENCLOSURE

RUNTIME HOURS	TANK SIZE		L	W	H	WT	dBA*
	CAPACITY (GAL)	VOLUME					
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
48	210	210	94.8	38	99	3935	71
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

*Required gallons based on 100% of standby rating. Weights consider steel enclosure and are without fuel in tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

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

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INSTALLATION DRAWING

INSTALLATION D4SL G17 50KW
ENCLOSED LEVEL 2A

PRELIMINARY

REV	1
DWG NO.	0J2534
SCALE	NTS
FILE NAME	0J2534.DWG
SIZE	B

GENEAC POWER SYSTEMS
Waukesha
P.O. BOX 8
WAUKESHA, WIS. 53187

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WEIGHT DATA (INCLUDES WOODEN SHIPPING SKID)
ENCLOSED GENERATOR WITH BATTERY FUEL TANK - TO BE DETERMINED

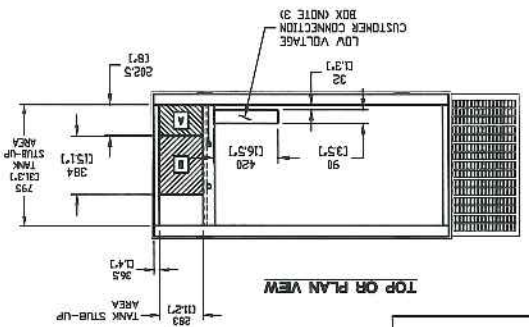
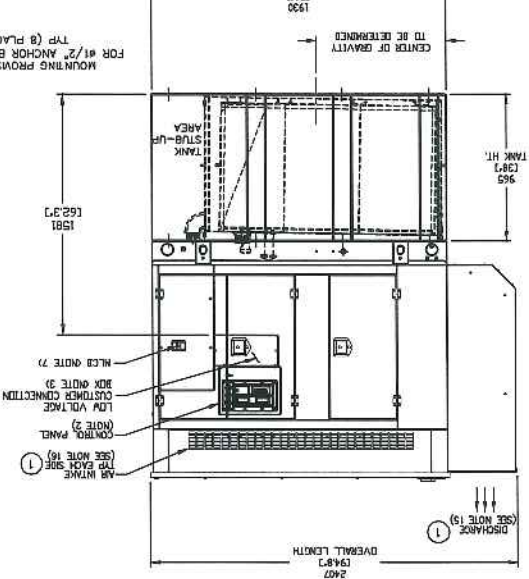
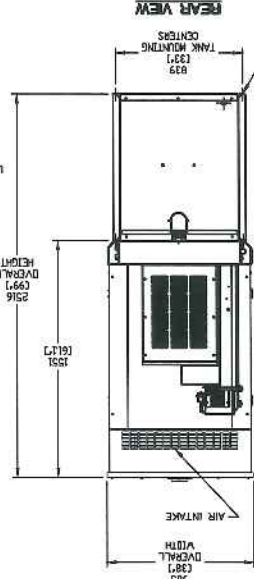
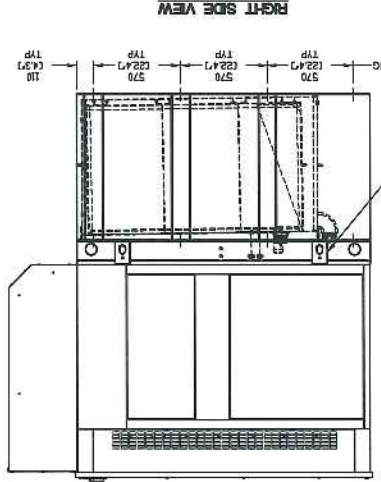
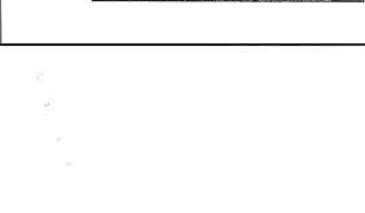
UNITS - mm (INCHES)

NOTES:

1. THE LEFT SIDE OF THE GENERATOR IS SERVICE ACCESSIBLE.
2. CONNECTION POINTS FOR CONTROL WIRING AND EXHAUST OF LOW VOLTAGE CUSTOMER CONNECTION BOX HAS KNOCKOUTS FOR 1/2" AND 3/4" CONDUIT FITTINGS.
3. GENERATOR MUST BE GROUNDED.
5. 12 VOLT NEGATIVE GROUND SYSTEM.
6. OPTIONAL REMOTE EMERGENCY STOP SHIPPED LOOSE WITH GENERATOR AND MAIN LINE CIRCUIT BREAKER (MCOB), AC LOAD LEAD CONNECTION AND ALTERNATE 120V/240V CONNECTION.
8. LEAK TIGHT SEALED ENCLOSURE STANDARDS WITH GENERATOR. DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED.
9. DOORS ARE LOCATED ON THE LEFT SIDE OF THE GENERATOR ONLY.
10. STUB-UPS: BASE TANK REQUIRES ALL STUB-UPS TO BE IN THE REAR TANK STUB-UP AREA.
11. 'A' IS THE STUB UP AREA FOR THE MCOB AND NEUTRAL CONNECTION. DUCT WILL PROVIDE ACCESS TO MUFFLER.
13. 120VAC ENGINE BLOCK HEATER.
14. 210 GALLON USABLE CAPACITY BATTERY STANDARD WITH GENERATOR.
15. MUST ALLOW FREE FLOW OF DISCHARGE AIR AND MAXIMUM RESTRICTION REQUIREMENTS SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
16. MUST ALLOW FREE FLOW OF INTAKE AIR, SEE SPEC SHEET FOR MINIMUM AIR FLOW AND MAXIMUM RESTRICTION REQUIREMENTS.
17. IT IS THE RESPONSIBILITY OF THE INSTALLATION TECHNICIAN TO ENSURE CODES, STANDARDS, AND REGULATIONS.

DESCRIPTION	INSIDE	BASE
AC LOAD LEAD CONDUIT ISLAND AREA	A	
LOW VOLTAGE CUSTOMER CONNECTION BOX FOR 120VAC GFCI OUTLET (STANDARD BLOCK HEATER, BATTERY CHARGER AND OTHER 120 VAC OPTIONS)	B	
TRANSFER SWITCH/ COMMUNICATIONS CONDUITS AND 2-WIRE START MUST BE IN CONDUIT WITH AC WIRING.		

RECOMMENDED ELECTRICAL STUB-UPS (SEE TOP VIEW)



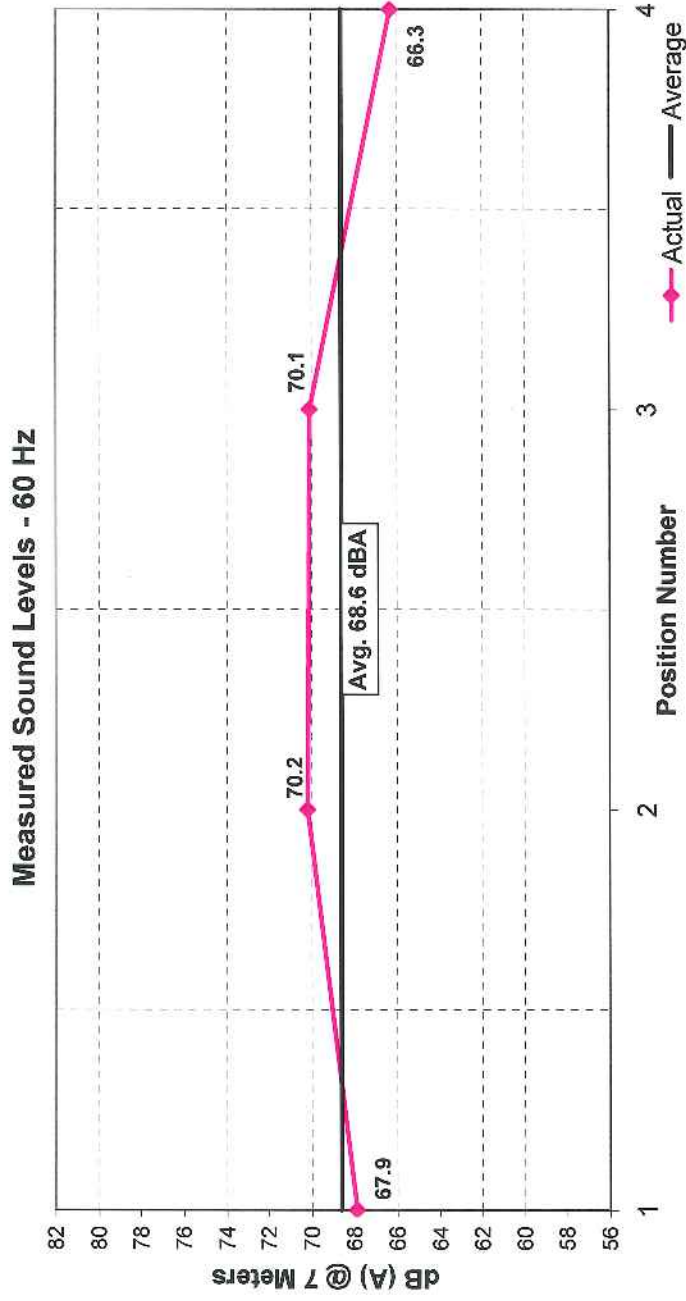
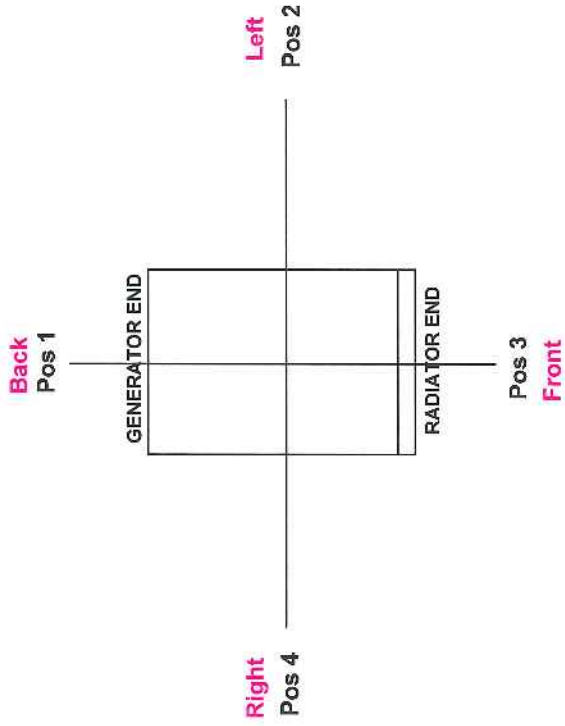
0J2534

GENERAC®

Sound Test Results

Genset: SD050 4.5L Iveco

Enclosure: Sound Attenuated, Level 2



Notes:

1. All positions 23 ft (7M) from side faces of generator set.
2. Generator operating at full load.
3. Test conducted on a 100 foot diameter asphalt surface.
4. Non-enclosed sets do not include exhaust sound during testing.