

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

Planning Division
Use Only

(See

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:



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
Work #: 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

Y(yes), N(no), N/A

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

Signature of Applicant:

Date:

6/12/12

RECEIVED

JUN 12 2012

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.

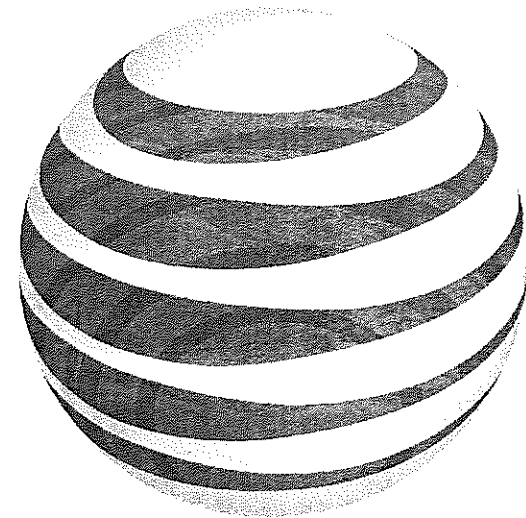
**PROVISION OF PORTLAND CITY CODE
14-523 (SITE PLAN ORDINANCE)
RE: Administrative Authorization**

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.



at&t Mobility

CUSTOM HOUSE GARAGE SITE NO.: ME2976 25 PEARL STREET PORTLAND, ME 04101



550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

**CUSTOM HOUSE
GARAGE**
SITE NO.: ME2976

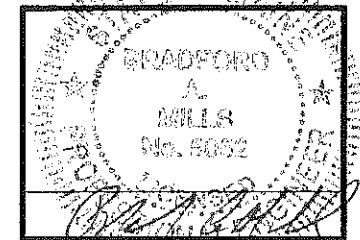


22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS	
0	06/05/12 FOR CONSTRUCTION
A	04/06/11 FOR COMMENT



Dewberry Engineers, Inc.
280 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE # (617) 695-3400
FAX # (617) 695-3310

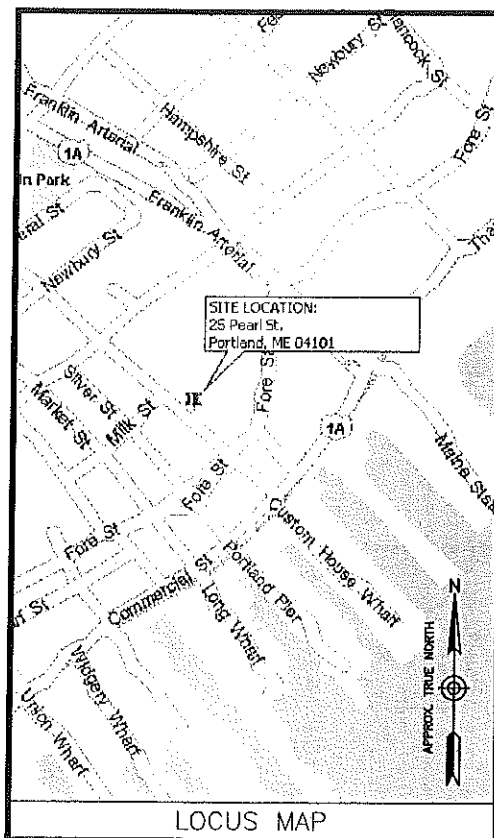


DRAWN BY: JIM
REVIEWED BY: DAS
CHECKED BY: PFB
PROJECT NUMBER: 50003936
JOB NUMBER: 50041015
SITE ADDRESS

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE
TITLE SHEET
SHEET NUMBER

T-1



FROM FRAMINGHAM: TAKE I-90 E/MASSPIKE. TAKE EXIT 14 FOR I-95 N. SLIGHT RIGHT ONTO I-295 N. TAKE THE EXIT TOWARD S. PORTLAND. CONTINUE STRAIGHT ONTO VETERANS MEMORIAL BRIDGE. TURN RIGHT ONTO W COMMERCIAL ST/US-1. TURN LEFT ONTO PEARL ST. DESTINATION WILL BE ON THE RIGHT.

ENGINEER
DEWBERRY
280 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE # (617) 695-3400
FAX # (617) 695-3310
CONTACT: BENJAMIN REVETTE

SITE ACQUISITION
WELLMAN ASSOCIATES, INC.
70 BROADWAY STREET
P.O. BOX 73B
WESTFORD, MA 01886
PHONE # (978) 846-4954
CONTACT: GIN VILANTE

CONSTRUCTION
SAI COMMUNICATIONS
22 KEEWAYDIN DRIVE
SALEM, NH 03079
PHONE # (603) 531-9230
FAX # (603) 893-1104
CONTACT: TOBY SLAGLE

CONSULTANT TEAM

SITE NAME:
CUSTOM HOUSE GARAGE

PROPERTY OWNER:
25 PEARL MHR LLC.
P.O. BOX 7488
PORTLAND, ME 04112

APPLICANT/DEVELOPER:
AT&T MOBILITY
550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

ELECTRIC UTILITY:
CENTRAL MAINE POWER
(800) 696-1000

TELEPHONE UTILITY:
FAIRPOINT
(866) 984-3001

COORDINATES:*
LATITUDE: 43° 39' 27.68" N
LONGITUDE: 70° 15' 07.51" W
*PER 1A SURVEY

PROJECT SUMMARY

SITE ADDRESS:
25 PEARL STREET
PORTLAND, ME 04101

MAP/LOT:
MAP 29 LOT E009001

ZONING DISTRICT
B3-DOWNTOWN BUSINESS

PROJECT DIRECTORY

A PROPOSED EQUIPMENT SHELTER AND DIESEL GENERATOR AT GRADE TWELVE (12) PANEL ANTENNAS WILL BE INSTALLED (4/SECTOR) ON THE BUILDING FACADE. POWER & TELCO WILL COME FROM EXISTING SOURCES ON SITE.

PROJECT DESCRIPTION

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

A.D.A. COMPLIANCE:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

SHT. NO.	DESCRIPTION
T-1	TITLE SHEET
G-1	GENERAL NOTES
A-1	ABUTTERS PLAN
C-1	PROPOSED SITE PLAN & EQUIPMENT PLAN
C-2	ELEVATIONS
C-3	CONSTRUCTION DETAILS - I
C-4	CONSTRUCTION DETAILS - II
C-5	CONSTRUCTION DETAILS - III
C-6	ANTENNA B.O.M. & ANTENNA DETAILS
E-1	ELECTRICAL RISER DIAGRAM
E-2	SCHEMATIC GROUNDING PLAN
E-3	GROUNDING DETAILS

SHEET INDEX

GENERAL CONSTRUCTION NOTES:

- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING ANSI/EIA/TIA-222, AND COMPLY WITH AT&T MOBILITY SPECIFICATIONS.
- CONTRACTOR SHALL CONTACT "DIG SAFE 1888 DIG SAFE" (888-344-7233) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED INSPECTIONS.
- ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
- DO NOT CHANGE SIZE OR SPACING OF STRUCTURAL ELEMENTS.
- DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR SHALL BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
- CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
- INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH REMEDIAL ACTION SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING.
- EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.
- CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT TO MATCH EXISTING PRE-CONSTRUCTION CONDITIONS TO THE SATISFACTION OF THE AT&T MOBILITY CONSTRUCTION MANAGER.
- ALL CABLE/CONDUIT ENTRY/EXIT PORTS SHALL BE WEATHERPROOFED DURING INSTALLATION USING A SILICONE SEALANT.
- WHERE EXISTING CONDITIONS DO NOT MATCH THOSE SHOWN IN THIS PLAN SET, CONTRACTOR WILL NOTIFY ENGINEER, AT&T MOBILITY PROJECT CONSTRUCTION MANAGER, AND LANDLORD IMMEDIATELY.
- CONTRACTOR SHALL ENSURE ALL SUBCONTRACTORS ARE PROVIDED WITH A CURRENT SET OF DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT.
- ALL ROOF WORK SHALL BE DONE BY A QUALIFIED AND EXPERIENCED ROOFING CONTRACTOR IN COORDINATION WITH ANY CONTRACTOR WARRANTING THE ROOF TO ENSURE THAT THE WARRANTY IS MAINTAINED.
- CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS FROM THE SITE AT THE END OF EACH DAY.
- CONTRACTOR SHALL COORDINATE WORK SCHEDULE WITH LANDLORD AND TAKE PRECAUTIONS TO MINIMIZE IMPACT AND DISRUPTION OF OTHER OCCUPANTS OF THE FACILITY.
- CONTRACTOR SHALL FURNISH AT&T MOBILITY WITH THREE AS-BUILT SETS OF DRAWINGS UPON COMPLETION OF WORK.
- ANTENNAS AND CABLES ARE TYPICALLY PROVIDED BY AT&T MOBILITY. PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL COORDINATE WITH AT&T MOBILITY PROJECT MANAGER TO DETERMINE WHAT, IF ANY, ITEMS WILL BE PROVIDED BY AT&T MOBILITY WIRELESS. ALL ITEMS NOT PROVIDED BY AT&T MOBILITY SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. CONTRACTOR WILL INSTALL ALL ITEMS PROVIDED BY AT&T MOBILITY.
- CONTRACTOR SHALL PROVIDE A 40 PINT DEHUMIDIFIER (GENERAL ELECTRIC OR WHITE WESTINGHOUSE) AND BASE TO BE INSTALLED IN THE EQUIPMENT SHELTER. THE BASE SHALL BE CONSTRUCTED OF 3/8" THICK (MIN.) PLYWOOD AND PAINTED TO MATCH THE SHELTER INTERIOR. CONTRACTOR SHALL INSTALL A DRAINAGE TUBE FROM THE DEHUMIDIFIER THROUGH A WALL PENETRATION IN THE SHELTER WALL. CONTRACTOR SHALL SEAL THE WALL PENETRATION WITH SILICONE SEALANT AND ENSURE THAT IT IS WATERTIGHT. THE EXACT SIZE OF THE BASE SHALL BE COORDINATED WITH DEHUMIDIFIER SPECIFICATIONS AND LOCATION OF DRAIN HOLE.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR WILL COORDINATE WITH AT&T MOBILITY PROJECT MANAGER TO DETERMINE IF ANY PERMITS WILL BE OBTAINED BY AT&T MOBILITY. ALL REQUIRED PERMITS NOT OBTAINED BY AT&T MOBILITY MUST BE OBTAINED, AND PAID FOR, BY THE CONTRACTOR.
- CONTRACTOR SHALL START UP HVAC UNITS AND SYNCHRONIZE THE THERMOSTATS.
- CONTRACTOR SHALL INSTALL ALL SITE SIGNAGE IN ACCORDANCE WITH AT&T MOBILITY SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
- UNLESS OTHERWISE NOTED AT&T MOBILITY SHALL PROVIDE ALL REQUIRED RF MATERIAL FOR CONTRACTOR TO INSTALL, INCLUDING ANTENNAS, TMA'S, BIAS-T'S, COMBINERS, PDU, DC BLOCKS, SURGE ARRESTORS, GPS ANTENNA, GPS SURGE ARRESTOR, COAXIAL CABLE.
- PRIOR TO SUBMISSION OF BID, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE PROVIDED BY AT&T MOBILITY FOR INSTALLATION BY CONTRACTOR.
- ALL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND LOCATED ACCORDING TO AT&T MOBILITY SPECIFICATIONS, AND AS SHOWN IN THESE PLANS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
- EQUIPMENT SHELTER SHALL HAVE ONE (1) EXTERIOR MOTION DETECTOR OPERATED 100-WATT LIGHT WITH DOWNWARD REFLECTOR SHIELD.
- CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION START, MORE SPECIFICALLY BEFORE; SEALING ANY FLOOR, WALL OR ROOF PENETRATION, FINAL UTILITY CONNECTIONS, POURING CONCRETE, BACKFILLING UTILITY TRENCHES AND STRUCTURAL POST OR MOUNTING CONNECTIONS, FOR ENGINEERING REVIEW AND INSPECTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY INCLUDING COMPLIANCE WITH ALL APPLICABLE OSHA STANDARDS AND RECOMMENDATIONS AND SHALL PROVIDE ALL NECESSARY SAFETY DEVICES INCLUDING PPE AND PPM AND CONSTRUCTION DEVICES SUCH AS WELDING AND FIRE PREVENTION, TEMPORARY SHORING, SCAFFOLDING, TRENCH BOXES/SLOPING, BARRIERS, ETC.

GENERAL FOUNDATION NOTES:

- THOROUGHLY COMPACT BOTTOM OF EXCAVATIONS PRIOR TO PLACING RIGID INSULATION BARRIER. BACKFILL AND COMPACTION PROCEDURES SHALL BE DONE PER INDUSTRY STANDARDS.
- ALL REINFORCING STEEL SHALL BE ASTM A615 - GRADE 60. SECURE REINFORCING IN PLACE TO PREVENT MOVEMENT DURING CONCRETE PLACEMENT.
- PROVIDE A CLEAR COVER OF 2" FOR ALL REINFORCING STEEL THIS REQUIREMENT SHALL BE CONSIDERED ACTUAL AND SHOULD NOT BE ADJUSTED IN THE FIELD.
- VERIFY DETAILS AND DIMENSIONS WITH SHELTER DRAWINGS. NOTIFY AT&T MOBILITY OF ANY DISCREPANCIES.
- ALL WORK SHALL COMPLY WITH THE LOCAL AND STATE BUILDING CODES.
- INSULATION BARRIER PROVIDED IS FOR FROST PROTECTION IN LIEU OF STANDARD FOUNDATIONS WITH BEARING AT CODE REQUIRED FROST DEPTH.
- SHELTER MUST BE ANCHORED TO ITS FOUNDATION. ANCHOR IN ACCORDANCE WITH SHELTER MANUFACTURER SPECIFICATIONS.

CONCRETE AND REINFORCING STEEL NOTES:

- DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF ALL APPLICABLE CODES INCLUDING: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
- MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE AND SUBMITTED TO ENGINEER PRIOR TO PLACING CONCRETE.
- CONCRETE SHALL BE NORMAL WEIGHT, 6 % AIR ENTRAINED (+/- 1.5%) WITH A MAXIMUM 4" SLUMP AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED.
- THE FOLLOWING MATERIALS SHALL BE USED:
PORTLAND CEMENT: ASTM C-150, TYPE 1 OR 2
REINFORCEMENT: ASTM A-185, PLAIN STEEL WELDED WIRE FABRIC
REINFORCEMENT BARS: ASTM A615, GRADE 60, DEFORMED
NORMAL WEIGHT AGGREGATE: ASTM C-33
WATER: DRINKABLE
ADMIXTURES: NON-CHLORIDE CONTAINING
- MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS (UNLESS OTHERWISE NOTED):
A. CONCRETE CAST AGAINST EARTH: 3"
B. ALL OTHER CONCRETE: 2"
- A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE IN ACCORDANCE WITH ACI 301 SECTION 4.2.4, UNLESS NOTED OTHERWISE.
- INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR SHALL BE PER MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL, OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN CONCRETE.
- ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI 301.
- DO NOT WELD OR TACK WELD REINFORCING STEEL.
- ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
- REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
- DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
- DO NOT ALLOW REINFORCEMENT, CONCRETE OR SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 3 DAYS AFTER PLACEMENT.
- FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS, MINIMUM.
- CONCRETE SHALL BE RUBBED TO A ROUGH GROUT FINISH. PADS SHALL BE SEALED BY STEEL TROWEL.
- UNLESS OTHERWISE NOTED:
A. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
B. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- SPLICING OF REINFORCEMENT IS PERMITTED ONLY AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS OR AS ACCEPTED BY THE ENGINEER. UNLESS OTHERWISE SHOWN OR NOTED REINFORCING STEEL SHALL BE SPLICED TO DEVELOP ITS FULL TENSILE CAPACITY (CLASS A) IN ACCORDANCE WITH ACI 318.
- REINFORCING BAR DEVELOPMENT LENGTHS, AS COMPUTED IN ACCORDANCE WITH ACI 318, FORM THE BASIS FOR BAR EMBEDMENT LENGTHS AND BAR SPLICED LENGTHS SHOWN IN THE DRAWINGS. APPLY APPROPRIATE MODIFICATION FACTORS FOR TOP STEEL, BAR SPACING, COVER AND THE LIKE.
- DETAILING OF REINFORCING STEEL SHALL CONFORM TO "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
- ALL SLAB CONSTRUCTION SHALL BE CAST MONOLITHICALLY WITHOUT HORIZONTAL CONSTRUCTION JOINTS, UNLESS SHOWN IN THE CONTRACT DRAWINGS.
- LOCATION OF ALL CONSTRUCTION JOINTS ARE SUBJECT TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, CONFORMANCE WITH ACI 318, AND ACCEPTANCE OF THE ENGINEER. DRAWINGS SHOWING LOCATION OF DETAILS OF THE PROPOSED CONSTRUCTION JOINTS SHALL BE SUBMITTED WITH REINFORCING STEEL PLACEMENT DRAWINGS.
- SPLICED EDGES, AT ALL SPLICED EDGES, SHALL BE SUCH THAT THE OVERLAP MEASURED BETWEEN OUTERMOST CROSS WIRES OF EACH FABRIC SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRE PLUS 2 INCHES, NOR LESS THAN 8".
- BAR SUPPORTS SHALL BE ALL-GALVANIZED METAL WITH PLASTIC TIPS.
- ALL REINFORCEMENT SHALL BE SECURELY TIED IN PLACE TO PREVENT DISPLACEMENT BY CONSTRUCTION TRAFFIC OR CONCRETE. THE WIRE SHALL BE 16 GAUGE CONFORMING TO ASTM A82.
- SLAB ON GROUND
A. COMPACT STRUCTURAL FILL TO 95% DENSITY AND THEN PLACE 6" GRAVEL BENEATH SLAB.
B. PROVIDE VAPOR BARRIER BENEATH SLAB ON GROUND.



550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

**CUSTOM HOUSE
GARAGE
SITE NO.: ME2976**



22 KEEWAYDIN DRIVE
SALEM, NH 03079

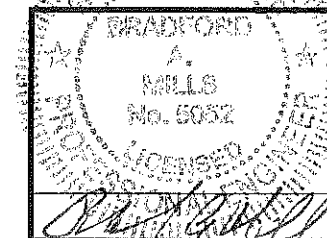
CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT



Dewberry Engineers, Inc.

280 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE: 617.695.4900
FAX: 617.695.9310



DRAWN BY: JIM

REVIEWED BY: DAS

CHECKED BY: PPB

PROJECT NUMBER: 50003935

JOB NUMBER: 50041016

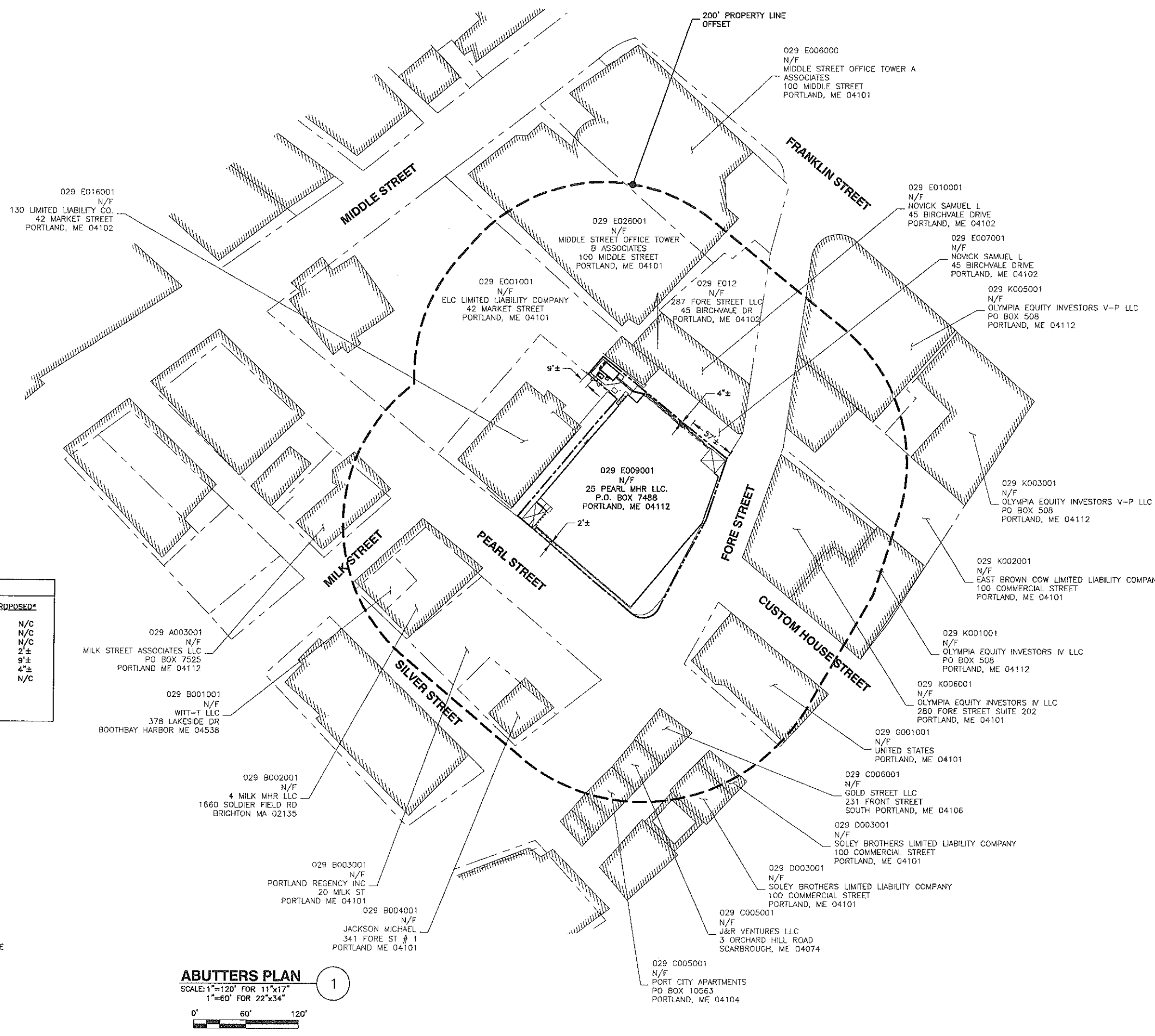
SITE ADDRESS

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE

GENERAL NOTES

SHEET NUMBER



ZONING INFORMATION

DISTRICT: B3 - DOWNTOWN BUSINESS

	REQUIRED	EXISTING	PROPOSED*
MIN LOT AREA:	NONE	841± ACRES	N/C
MIN LOT WIDTH:	NONE	N/A	N/C
MIN LOT DEPTH:	NONE	N/A	N/C
MIN FRONT YARD DEPTH:	NONE	0'±	2'±
MIN SIDE YARD DEPTH:	NONE	2'±	9'±
MIN REAR YARD DEPTH:	NONE	1'±	4'±
MAX HEIGHT:	35'	89'±	N/C

* N/C - CONDITION NOT BEING ALTERED
 ** DISTANCE TO PROPOSED EQUIPMENT OR ANTENNAS

LEGEND

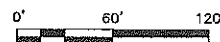
	EXISTING PROPERTY LINE
	LOCUS PROPERTY LINE
	EXISTING ROAD
	200' PROPERTY LINE OFFSET
	EXISTING BUILDING

- NOTES:**
- SOME EXISTING INFORMATION IS NOT SHOWN FOR CLARITY.
 - NORTH ARROW SHOWN AS APPROXIMATE.
 - PLOT PLAN BASED ON INFORMATION OBTAINED FROM THE ONLINE GIS VIEWER FOR THE TOWN OF PORTLAND, ME (ACCESSED 02-27-12). ABUTTERS WITHIN 200 FEET OF SUBJECT PARCEL ARE SHOWN.
 - PLOT PLAN HAS NOT BEEN VERIFIED THROUGH A COMPLETE BOUNDARY SURVEY. ALL ITEMS AND DISTANCES SHOWN AS APPROXIMATE.

LOCUS PROPERTY OWNER: 25 PEARL MHR LLC.
 P.O. BOX 7488
 PORTLAND, ME 04112

ABUTTERS PLAN

SCALE: 1"=120' FOR 11"x17"
 1"=60' FOR 22"x34"



550 COCHITUATE ROAD
 SUITES 13 & 14
 FRAMINGHAM, MA 01701

CUSTOM HOUSE GARAGE
 SITE NO.: ME2976



22 KEEWAYDIN DRIVE
 SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

Dewberry Engineers, Inc.
 280 SUMMER STREET
 10TH FLOOR
 BOSTON, MA 02210
 PHONE: 617.695.4400
 FAX: 617.695.3310



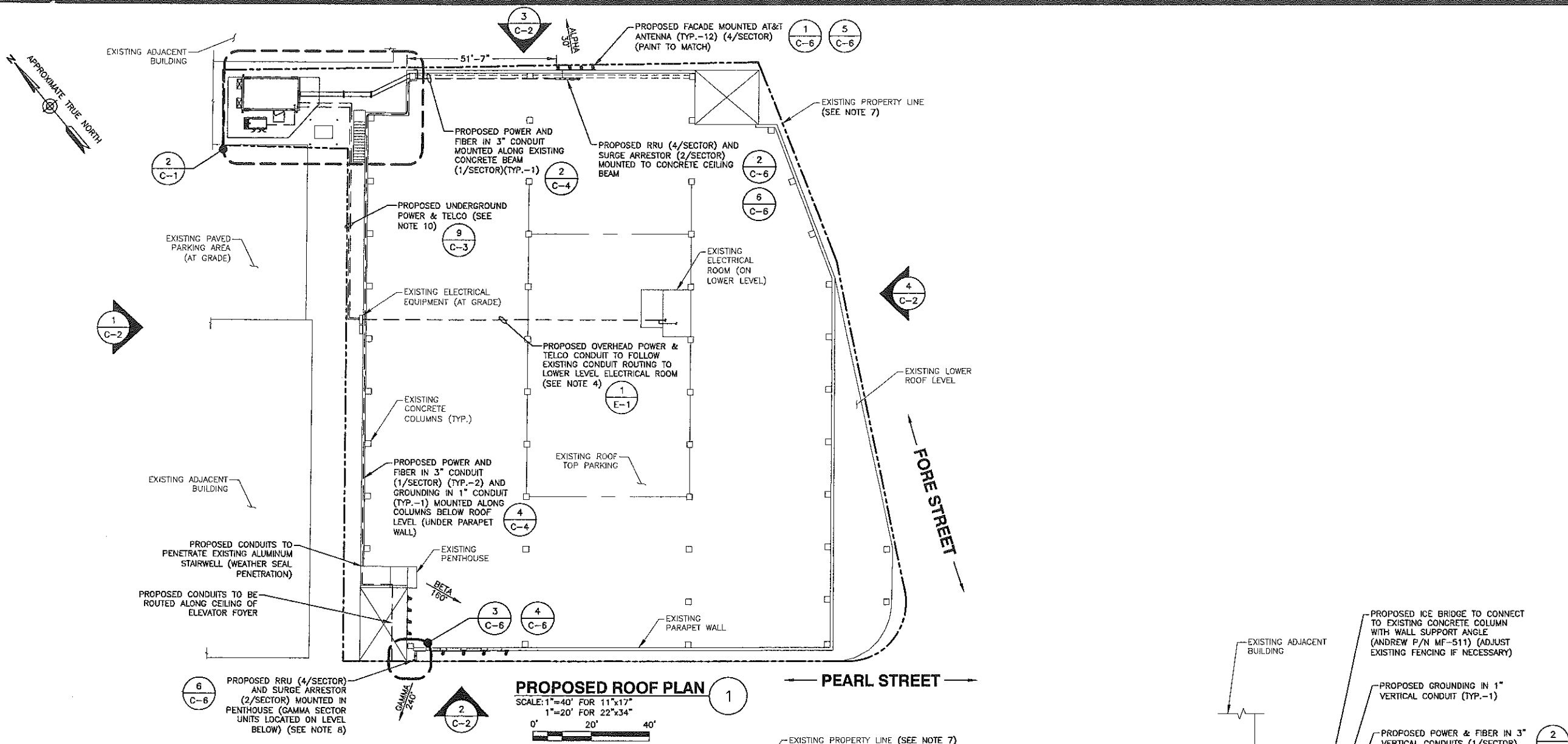
DRAWN BY:	JIM
REVIEWED BY:	DAS
CHECKED BY:	PPB
PROJECT NUMBER:	50003936
JOB NUMBER:	50041016
SITE ADDRESS:	

25 PEARL STREET
 PORTLAND, ME 04101

SHEET TITLE

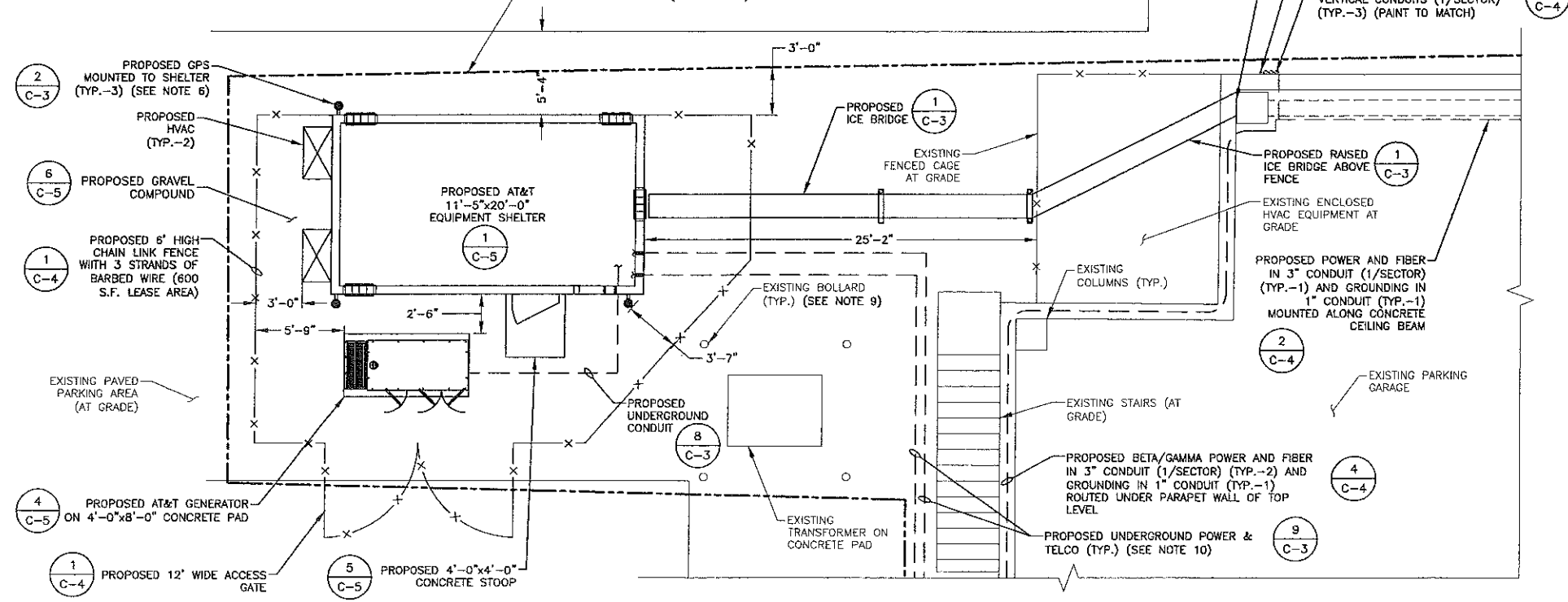
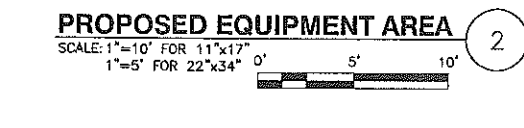
ABUTTERS PLAN

SHEET NUMBER



PROPOSED ROOF PLAN
 SCALE: 1"=40' FOR 11'x17'
 1"=20' FOR 22'x34'

- NOTES:**
- NORTH ARROW SHOWN AS APPROXIMATE.
 - SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 - PLAN BASED ON CONSTRUCTION DRAWINGS BY DESMAN PARKING ASSOCIATES, DATED 12/15/88, AND FIELD RECONNAISSANCE BY DEWBERRY-GOODKIND ON 09/30/11.
 - POWER & TELCO SERVICE TO UTILIZE METER & TELCO BOARD AVAILABLE IN EXISTING ELECTRICAL ROOM. FINAL DESIGN TO BE COORDINATED WITH UTILITY COMPANY, CM, AND LANDLORD.
 - GENERATOR TO HAVE SELF CONTAINED DIESEL FUEL SOURCE.
 - GPS UNITS TO BE MOUNTED A MINIMUM OF 10' HORIZONTALLY FROM EACH OTHER.
 - PROPERTY LINES ARE BASED ON PROPERTY LINE SURVEY PROVIDED BY COLONIAL SURVEY INC DATED 11/21/11.
 - CONTRACTOR TO CONFIRM LOCATION OF ANY REBAR OR POST TENSION CABLES WHEN CORING OR DRILLING INTO EXISTING CONCRETE.
 - VERIFY SPACE BETWEEN FENCE AND EXISTING BOLLARD IN FIELD. ADJUST FENCE AS NECESSARY.
 - ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION. CONTACT DIG SAFE PRIOR TO CONSTRUCTION.



at&t
 Mobility
 550 COCHITUATE ROAD
 SUITES 13 & 14
 FRAMINGHAM, MA 01701

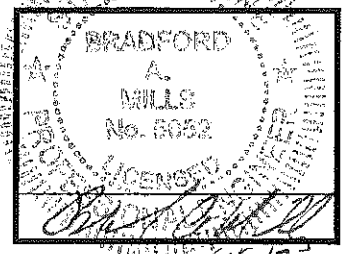
CUSTOM HOUSE GARAGE
 SITE NO.: ME2976

SAI
 communications
 22 KEEWAYDIN DRIVE
 SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

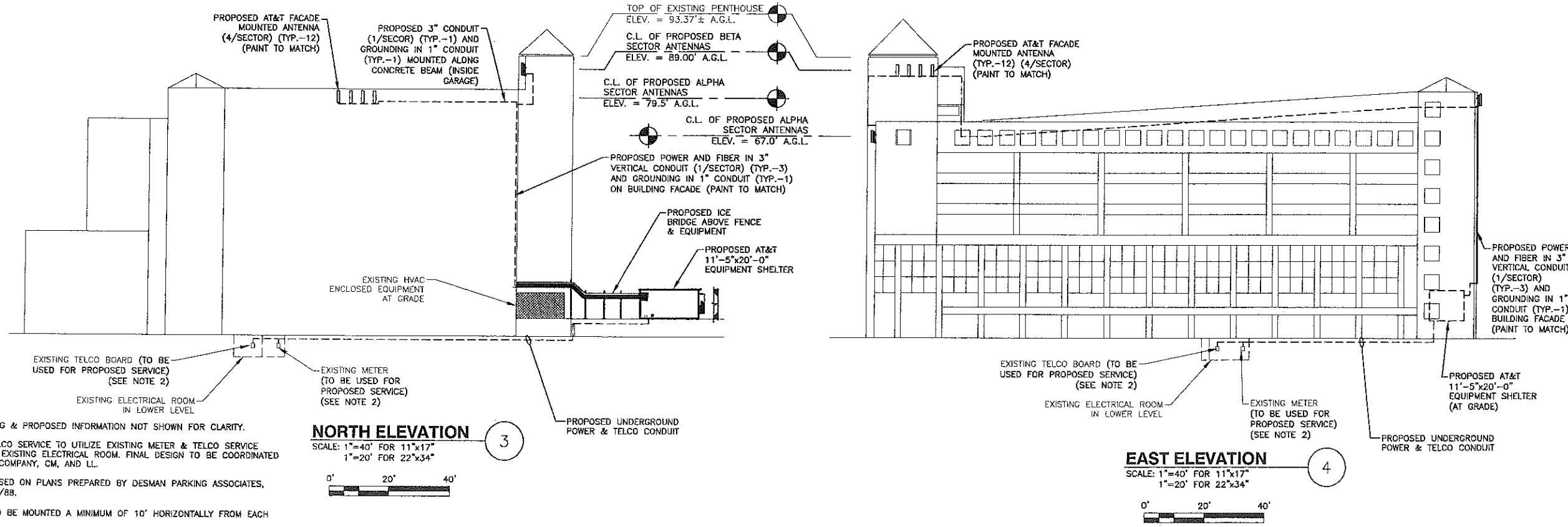
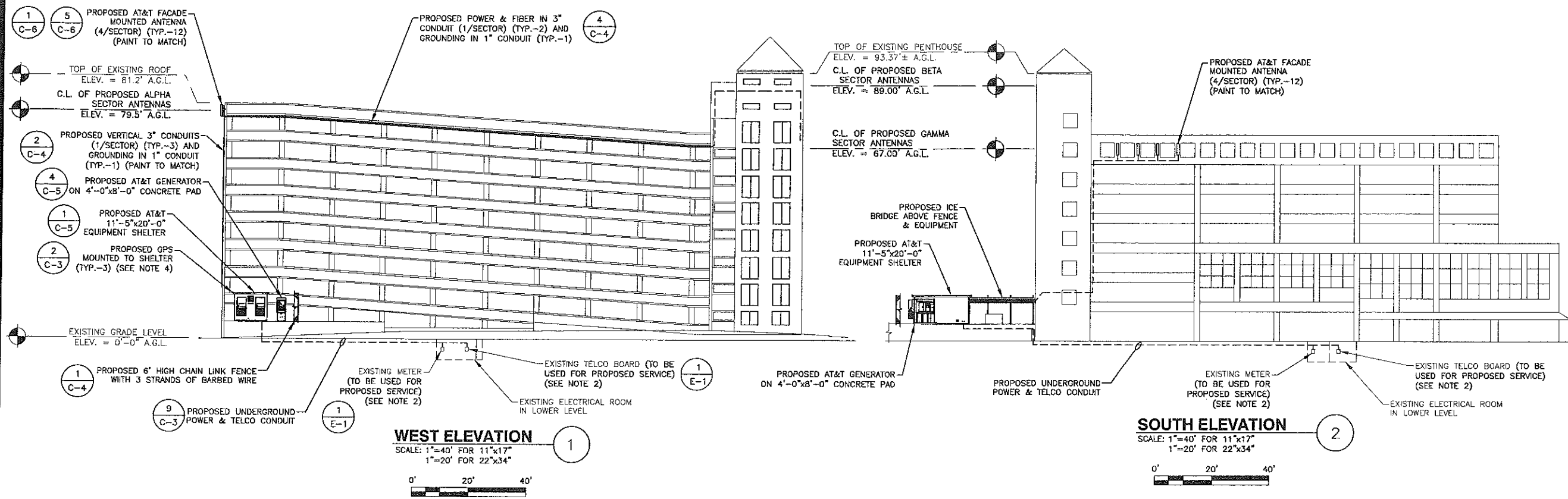
Dewberry
 Dewberry Engineers, Inc.
 280 SUMMER STREET
 10TH FLOOR
 BOSTON, MA 02210
 PHONE: 617.895.3400
 FAX: 617.895.3610



DRAWN BY: JIM
 REVIEWED BY: DAS
 CHECKED BY: PPB
 PROJECT NUMBER: 50003936
 JOB NUMBER: 50041016
 SITE ADDRESS:

25 PEARL STREET
 PORTLAND, ME 04101

SHEET TITLE
PROPOSED SITE PLAN & EQUIPMENT PLAN
 SHEET NUMBER



- NOTES:**
- SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 - POWER & TELCO SERVICE TO UTILIZE EXISTING METER & TELCO SERVICE AVAILABLE IN EXISTING ELECTRICAL ROOM. FINAL DESIGN TO BE COORDINATED WITH UTILITY COMPANY, CM, AND LL.
 - ELEVATION BASED ON PLANS PREPARED BY DESMAN PARKING ASSOCIATES, DATED 12/15/88.
 - GPS UNITS TO BE MOUNTED A MINIMUM OF 10' HORIZONTALLY FROM EACH OTHER.
 - CONTRACTOR TO CONFIRM LOCATION OF ANY REBAR OR POST TENSION CABLES WHEN CORING OR DRILLING INTO EXISTING CONCRETE.
 - ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION. CONTACT DIG SAFE PRIOR TO CONSTRUCTION.

at&t
Mobility
550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

CUSTOM HOUSE GARAGE
SITE NO.: ME2976

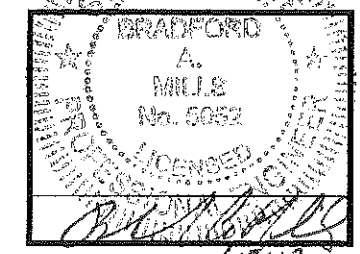
SAI
communications
22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

Dewberry

Dewberry Engineers, Inc.
280 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE: 617.695.6400
FAX: 617.695.3310



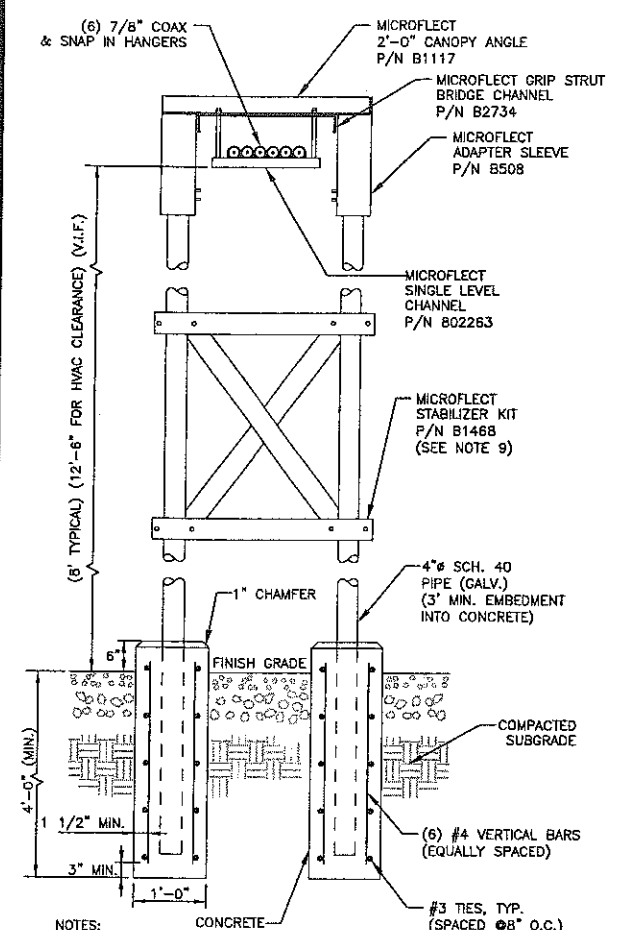
6.5.12

DRAWN BY:	JIM
REVIEWED BY:	DAS
CHECKED BY:	PPB
PROJECT NUMBER:	50003936
JOB NUMBER:	50041016
SITE ADDRESS	

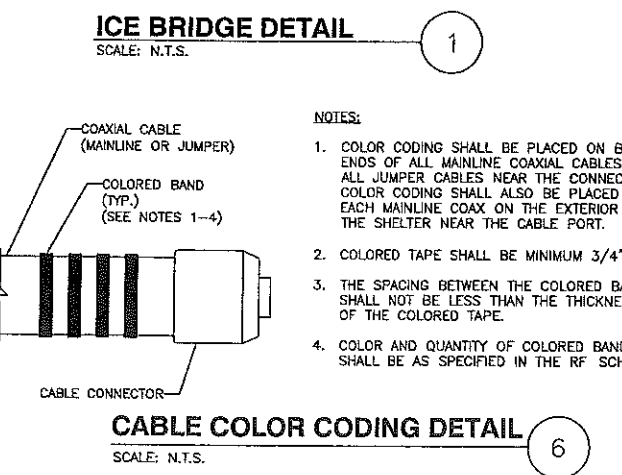
25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE
ELEVATIONS
SHEET NUMBER

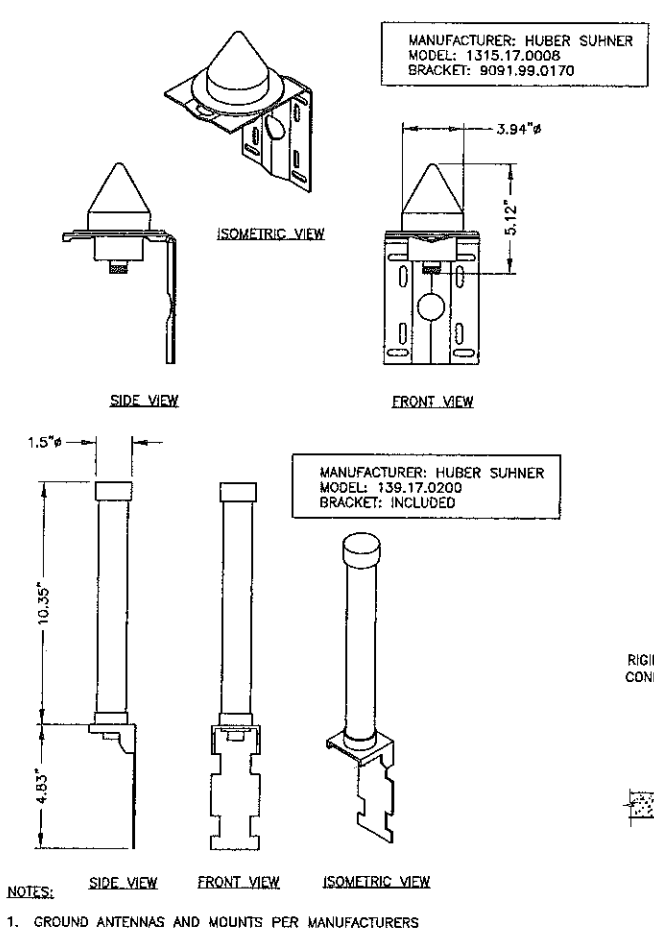
C-2



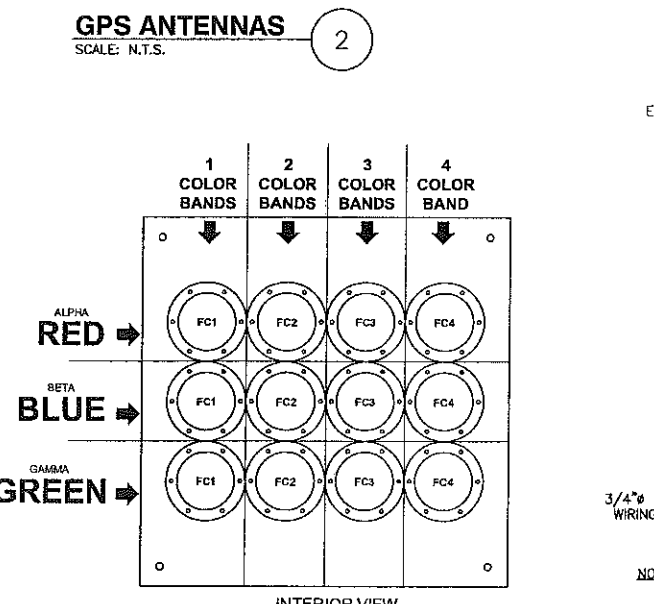
- NOTES:**
- ICE BRIDGE SHALL BE VALMONT GRIP STRUT TRANSMISSION LINE BRIDGE KIT OR APPROVED EQUAL.
 - CABLE SUPPORT SHALL BE VALMONT SINGLE LEVEL CHANNEL OR APPROVED EQUAL.
 - ALL COMPONENTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 - CONTRACTOR SHALL DETERMINE REQUIRED QUANTITY OF ALL ICE BRIDGE COMPONENTS.
 - SNAP-IN HANGERS, SPLICE KITS, HINGE KITS, EXTENSION KITS, STIFFENERS, AND OTHER MISCELLANEOUS HARDWARE SHALL BE PROVIDED BY THE SUBCONTRACTOR AS REQUIRED.
 - ICE BRIDGE SHALL BE ROUTED TO ACCOMMODATE THE MINIMUM BENDING RADIUS OF THE COAXIAL CABLE.
 - ICE BRIDGE COMPONENTS SHOWN ARE SCHEMATIC, CONSULT MANUFACTURER FOR EXACT AND CURRENT SPECIFICATIONS.
 - SUPPORT COLUMNS TO BE LOCATED AT 10'-0" O.C. MAX.
 - STABILIZER KIT SHALL BE UTILIZED FOR RAISED ICE BRIDGE POSTS REQUIRED TO CLEAR EXISTING FENCING.



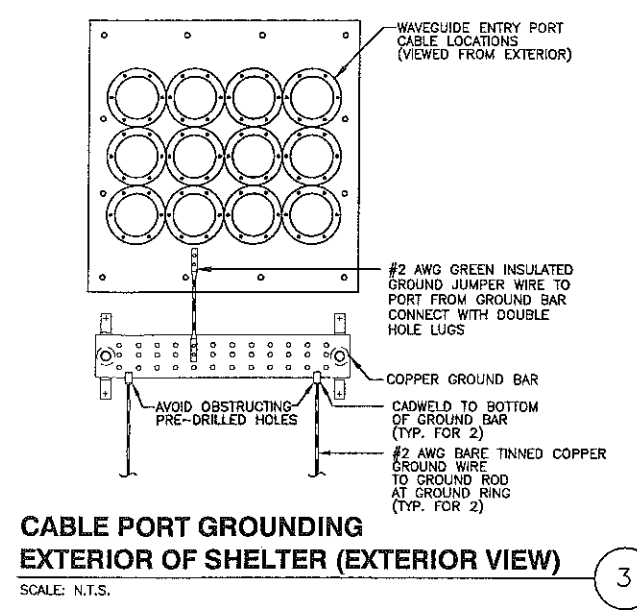
CABLE COLOR CODING DETAIL
SCALE: N.T.S.



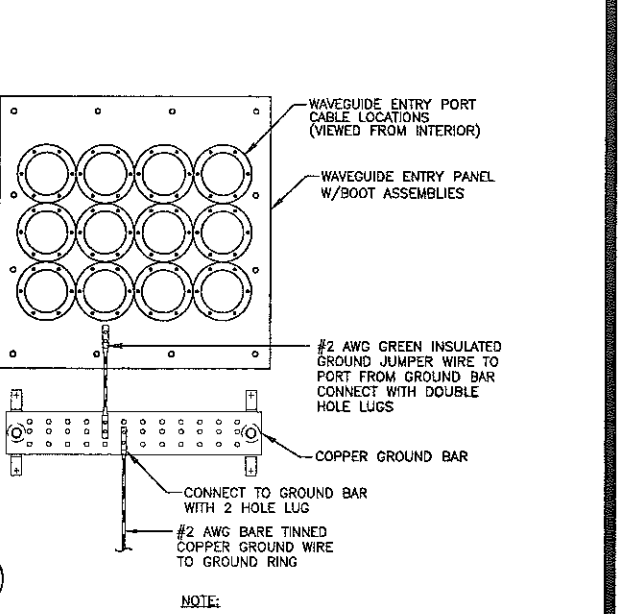
- NOTES:**
- GROUND ANTENNAS AND MOUNTS PER MANUFACTURERS RECOMMENDATIONS AND AT&T STANDARDS.
 - FIELD LOCATE GPS ANTENNAS WITH AT&T CM APPROVAL.
 - MOUNT ANTENNAS PER MANUFACTURERS RECOMMENDATIONS.
 - PIPE MOUNT GPS TO CABLE BRIDGE WITH REQUIRED HARDWARE.



COAX COLOR CODING AND LABELING DETAIL
SCALE: N.T.S.

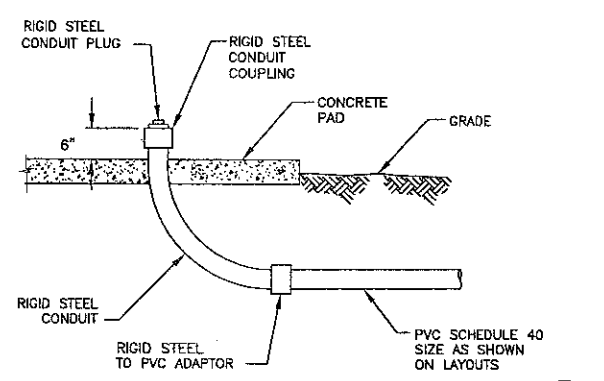


CABLE PORT GROUNDING EXTERIOR OF SHELTER (EXTERIOR VIEW)
SCALE: N.T.S.

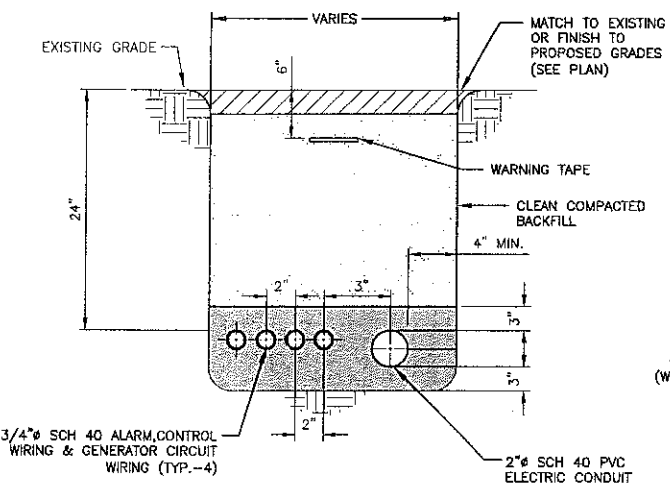


CABLE PORT GROUNDING ON INTERIOR OF SHELTER (INTERIOR VIEW)
SCALE: N.T.S.

- NOTE:**
- CONTRACTOR SHALL INSTALL AS SHOWN UNLESS GROUND BAR IS PREINSTALLED BY SHELTER MANUFACTURER.

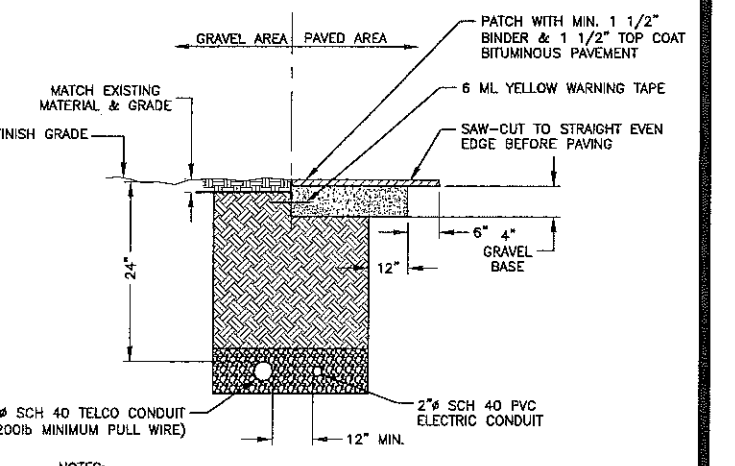


UNDERGROUND CONDUIT STUB-UP DETAIL
SCALE: N.T.S.



- NOTES:**
- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
 - IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
 - IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.

GENERATOR SERVICE TRENCH CONDUIT
SCALE: N.T.S.



- NOTES:**
- IF FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, EXCAVATED MATERIAL MAY BE USED FOR BACKFILL.
 - IF NOT, PROVIDE CLEAN, COMPACTIBLE MATERIAL. COMPACT IN 8" LIFTS. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILLING. CONTRACTOR TO VERIFY LOCATION OF EXISTING U/G UTILITIES PRIOR TO DIGGING.
 - IF CURRENT AS-BUILT DRAWINGS ARE NOT AVAILABLE CONTRACTOR SHALL HAND DIG U/G TRENCHING.
 - CONCRETE ENCASE CONDUIT WHEN TRENCHING UNDER SITE ACCESS ROAD.

JOINT SERVICE TRENCH BURIED CONDUIT (ELECTRIC/TELEPHONE)
SCALE: N.T.S.

at&t
Mobility
550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

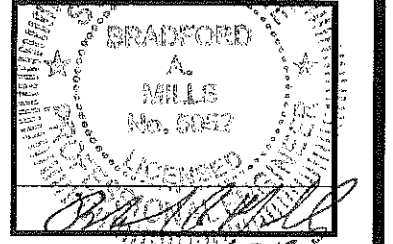
CUSTOM HOUSE GARAGE
SITE NO.: ME2976

S&I
communications
22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

Dewberry
Dewberry Engineers, Inc.
280 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE: 617-552-9400
FAX: 617-552-3310



DRAWN BY: JIM
REVIEWED BY: DAS
CHECKED BY: PPB
PROJECT NUMBER: 50003936
JOB NUMBER: 50041016
SITE ADDRESS:

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE
CONSTRUCTION DETAILS--I
SHEET NUMBER

2-DIST
6

B.I.N.
B82

MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
STRUCTURES INSPECTION FIELD REPORT
SPECIAL MEMBER INSPECTION

BR. DEPT. NO.
B-16-295

CITY/TOWN Boston	8 - STRUCTURES NO. B16295-B82-PRI-BLD	11 - MILE POINT	90 - ROUTINE INSP. DATE 10/15/2008	93 - *SPEC. MEMB. INSP. DATE 4/4/2012	
07 - FACILITY CARRIED Interstate 90 - Eastbound & Westbound	MEMORIAL NAME / LOCAL NAME Prudential Tunnel		27 - YR BUILT 0000	106 - YR REBUILT 0000	*YR REHAB'D (NON 106) 0000
06 - FEATURES INTERSECTED Shaws Market	26 - FUNCTIONAL CLASS Principal Arterial-Interstate-Urban		TEAM LEADER A. Kurian, P.E.		
INSPECTION ENGINEER M. P. Griffin, P.E.	22 - OWNER Private	21 - MAINTAINER Private	43a - CONSTRUCTION TYPE Cast In Place	QA/QC D. Reip, P.E.	
CONTRACT(S)	WEATHER Varied	TEMP. (air) Varied	43b - STRUCTURE TYPE Building	TEAM MEMBERS S. Gambarov, E. Mena	

SPECIAL MEMBER(S):

	MEMBER	CONDITION		Deficiencies	COMMENTS
		PREVIOUS (0-9)	PRESENT (0-9)		
A	ITEM 62c.17 - Conc. Panel Utility Sup	3	3	S/A	See remarks in comments section.
B					
C					
D					
E					

List of field tests performed:

	I-62a	I-62b	I-62c	I-62d	I-62e	I-62f	I-62g
(Overall Previous Condition)			4				
(Overall Current Condition)			4				

DEFICIENCY: A defect in a structure that requires corrective action.

CATEGORIES OF DEFICIENCIES:

C-H = Critical-Hazard Deficiency - A deficiency in a component or element of a tunnel that poses an extreme hazard or unsafe condition to the public, but does not impair the structural integrity of the tunnel. Examples include but are not limited to: Loose concrete hanging down over traffic, loose bolts supporting ceiling panels, missing section of roadway joint, etc.

C-S = Critical-Structural Deficiency - A deficiency in a structural element in a tunnel that poses an extreme unsafe condition to the public due to a failure or an imminent failure of the element that will affect the structural integrity of the tunnel.

M = Minor Deficiency - Deficiencies which are minor in nature, generally do not impact the structural integrity of the tunnel and could easily be repaired. Examples include but are not limited to: Spalled concrete, minor potholes, minor corrosion to steel, clogged drainage, etc.

S = Severe/Major Deficiency - Deficiencies which are more extensive in nature and need more planning and effort to repair. Examples include but are not limited to: moderate to major deterioration in concrete, exposed and corroding rebar, considerable settlement, considerable leaking, moderate to extensive corrosion to steel with measurable loss of section, etc.

URGENCY OF REPAIR:

I = Immediate - (Inspector(s) stay at the bridge until District Maintenance crew or the responsible Agency crew (if not a State bridge) show up and corrective action is taken).

A = ASAP - [Action will be taken by District Maintenance Engineer or the Responsible Agency (if not a State owned bridge) upon receipt of the Inspection Report].

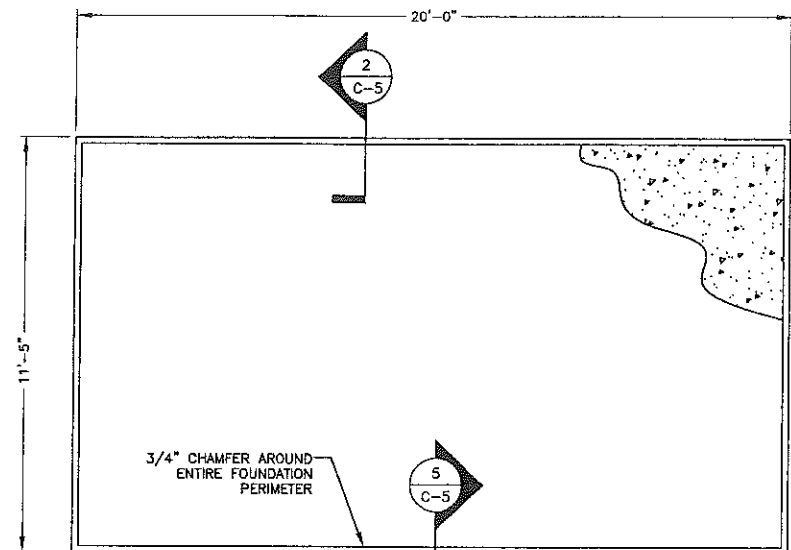
P = Prioritize - [Shall be prioritized by District Maintenance Engineer or the Responsible Agency (if not a State owned bridge) and repairs made when funds and/or manpower available].

X=UNKNOWN

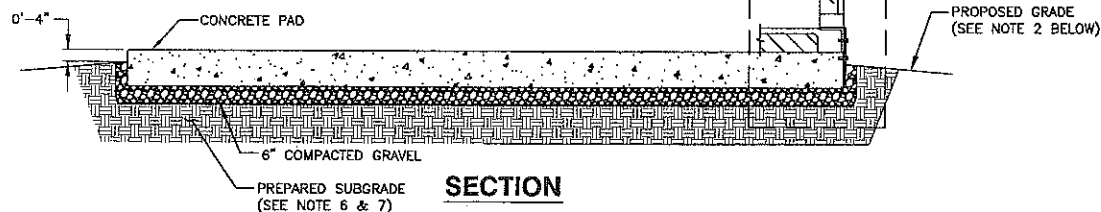
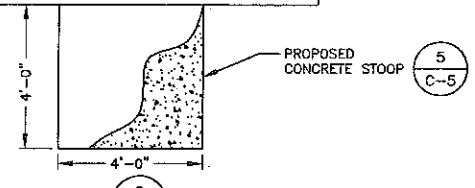
N=NOT APPLICABLE

H=HIDDEN/INACCESSIBLE

R=REMOVED



PLAN

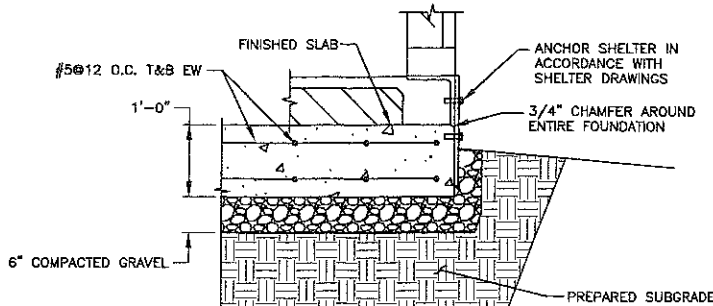


NOTES:

1. CONTRACTOR TO VERIFY FINAL SHELTER DIMENSIONS PRIOR TO CONSTRUCTION OF FOUNDATION.
2. GRADE SHALL SLOPE AWAY FROM THE CONCRETE PAD TO ALLOW FOR PROPER WATER RUN OFF.
3. ANCHOR SHELTER TO FOUNDATION PER SHELTER MANUFACTURER RECOMMENDATIONS.
4. IF BEDROCK IS ENCOUNTERED @ A SHALLOW DEPTH USE DETAIL 3, THIS SHEET.
5. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED GRAVEL FILL. 95% COMPACTION.
6. SUBGRADE & FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.
7. ANY EXISTING UNDER UTILITIES OR STRUCTURES SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF ANY EQUIPMENT. CONTACT DIG SAFE PRIOR TO CONSTRUCTION.

CONCRETE PAD FOUNDATION

SCALE: 3/16"=1' FOR 11"x17"
3/8"=1' FOR 22"x34"

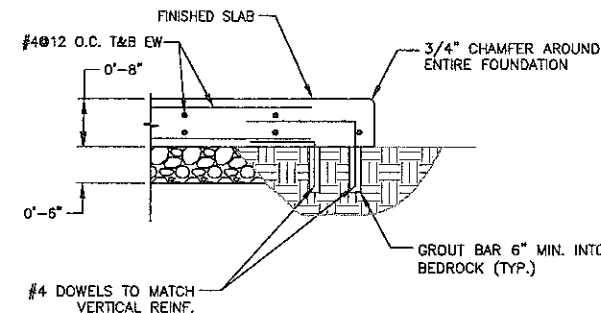


NOTES:

1. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED GRAVEL FILL. 95% COMPACTION.
2. MAINTAIN 3" MIN. COVER ON ALL STEEL REINFORCEMENT.
3. FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.

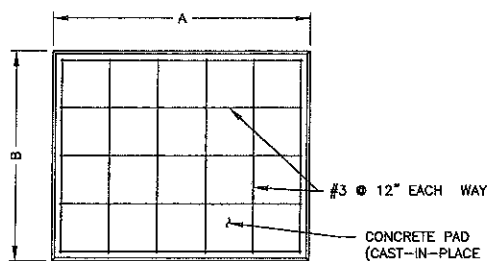
FOUNDATION WALL & SLAB DETAIL

SCALE: 3/8"=1' FOR 11"x17"
3/4"=1' FOR 22"x34"

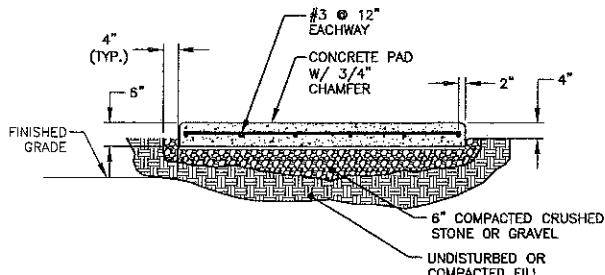


FOUNDATION SLAB DETAIL @ BEDROCK

SCALE: 3/8"=1' FOR 11"x17"
3/4"=1' FOR 22"x34"



GENERATOR		
A	B	I (THICKNESS)
8'	4'	6"

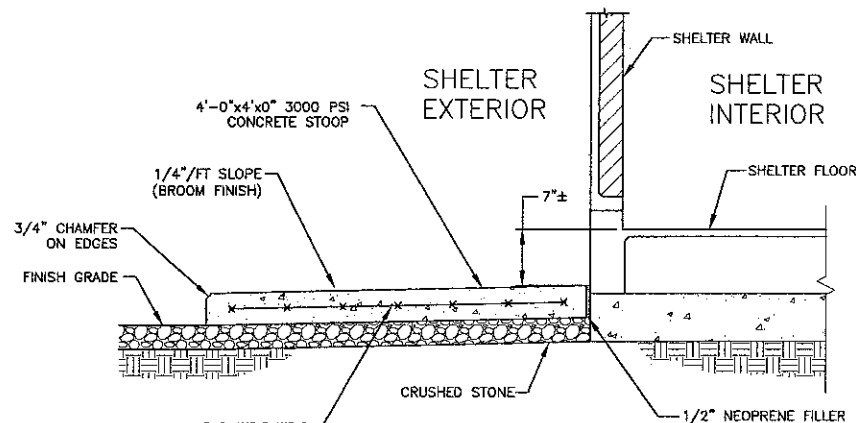


NOTES:

1. USE GALVANIZED HILTI EXPANSION ANCHORS OR, APPROVED EQUAL, FOR EQUIPMENT ANCHORAGE.
2. FOR SIZE AND LOCATION OF ANCHORS AND OTHER REQUIREMENTS, SEE EQUIPMENT VENDOR DRAWINGS.
3. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED GRAVEL FILL. 95% COMPACTION.
4. FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.

OUTDOOR PAD FOR MINOR EQUIPMENT

SCALE: N.T.S.

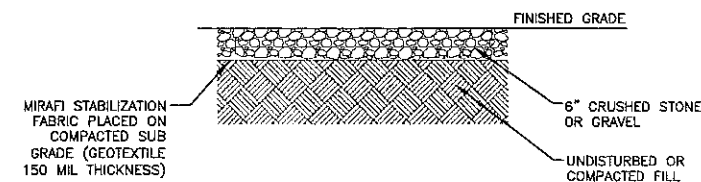


NOTE:

1. VERIFY DOOR LOCATION WITH SHELTER MANUFACTURER PRIOR TO CONSTRUCTION.

CONCRETE STOOP SECTION

SCALE: N.T.S.



1. BEARING STRATA MEDIUM TO DENSE INSET GRANULAR MATERIAL OR COMPACTED GRAVEL FILL. 95% COMPACTION.
2. FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED.

GRAVEL YARD DETAIL

SCALE: N.T.S.



CUSTOM HOUSE GARAGE
SITE NO.: ME2976



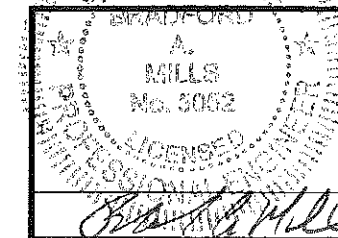
22 KEEWAYD DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

NO.	DATE	DESCRIPTION
0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT



Dewberry Engineers, Inc.
1250 SUMMER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE: 617.695.3400
FAX: 617.695.3310



DRAWN BY:	JIM
REVIEWED BY:	DAS
CHECKED BY:	PPB
PROJECT NUMBER:	50003936
JOB NUMBER:	50041016
SITE ADDRESS	

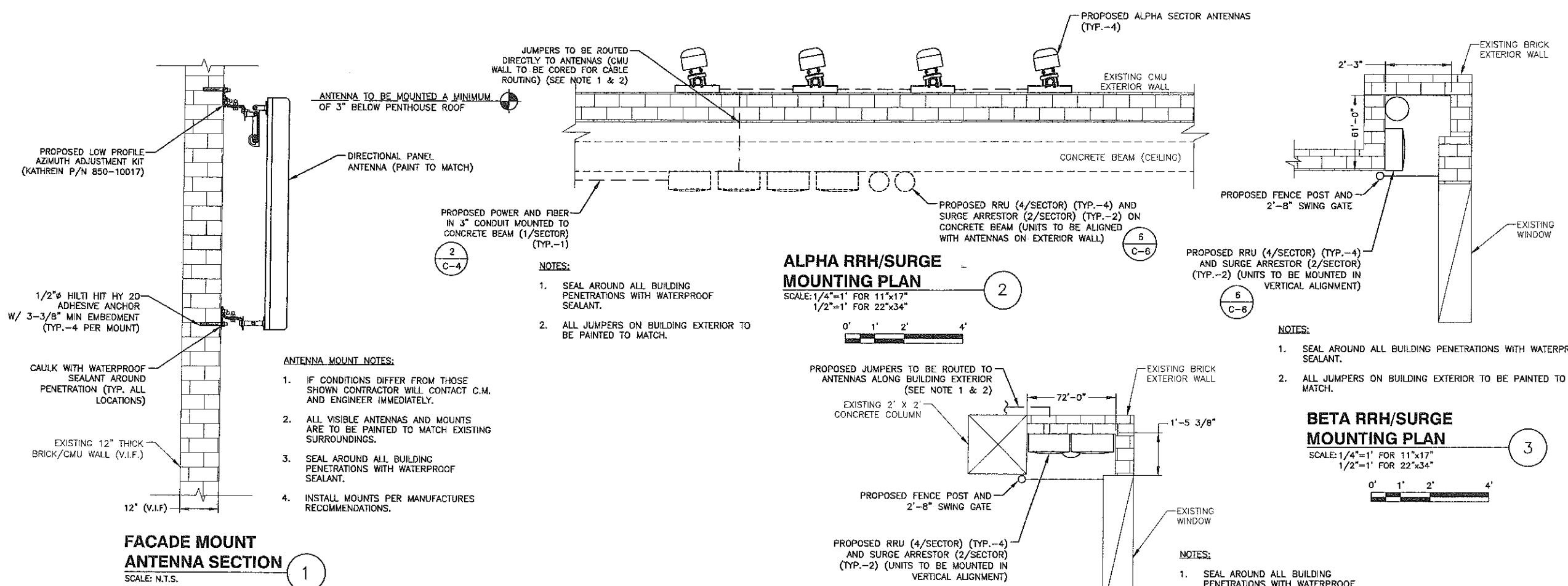
25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE

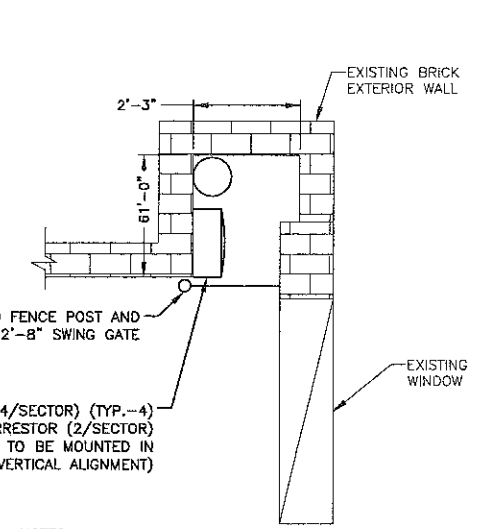
CONSTRUCTION DETAILS--III

SHEET NUMBER

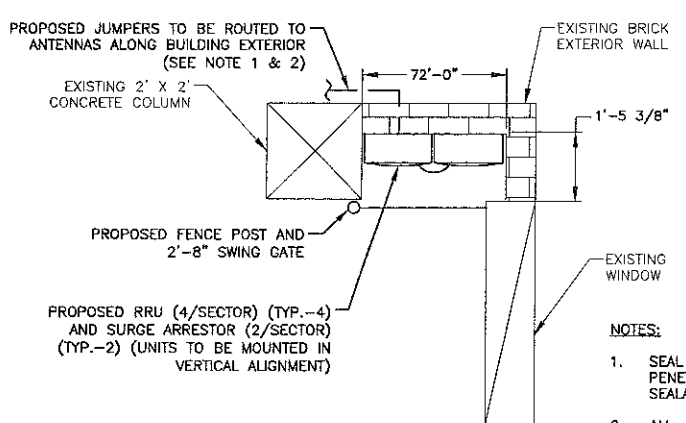
C-5



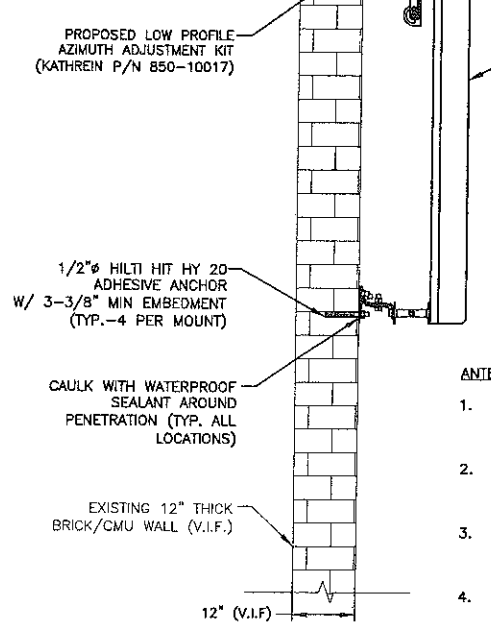
ALPHA RRH/SURGE MOUNTING PLAN
SCALE: 1/4"=1' FOR 11"x17"
1/2"=1' FOR 22"x34"



BETA RRH/SURGE MOUNTING PLAN
SCALE: 1/4"=1' FOR 11"x17"
1/2"=1' FOR 22"x34"



GAMMA RRH/SURGE MOUNTING PLAN
SCALE: 1/4"=1' FOR 11"x17"
1/2"=1' FOR 22"x34"



FACADE MOUNT ANTENNA SECTION
SCALE: N.T.S.

ANTENNA MOUNT NOTES:

- IF CONDITIONS DIFFER FROM THOSE SHOWN CONTRACTOR WILL CONTACT C.M. AND ENGINEER IMMEDIATELY.
- ALL VISIBLE ANTENNAS AND MOUNTS ARE TO BE PAINTED TO MATCH EXISTING SURROUNDINGS.
- SEAL AROUND ALL BUILDING PENETRATIONS WITH WATERPROOF SEALANT.
- INSTALL MOUNTS PER MANUFACTURES RECOMMENDATIONS.

2
C-4

2

6
C-6

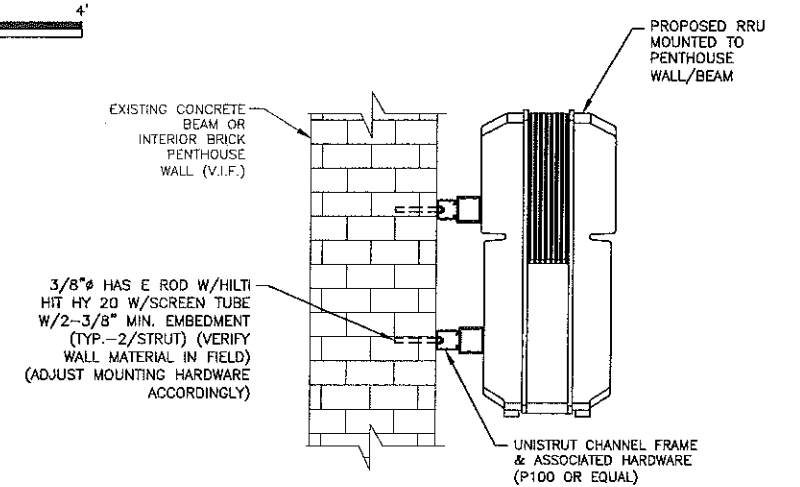
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4

ANTENNA AND COAXIAL CABLE BILL OF MATERIALS											
SECTOR	STATUS	COLOR CODE	ANTENNA	COAX CABLE FEED LOC	AZIMUTH (TRUE NORTH)	RAD CENTER	CABLE LENGTH	CABLE	MECHANICAL DOWNTILT	RRU	DIPLEXER
IA	PROPOSED	IR & IIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	2 @ 155'	FIBER	0°	(1) ERICSSON RRUS-11	-
IIA	PROPOSED	IIIR & IIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIA	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIA	PROPOSED	VR & VIR	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	79.5'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IB	PROPOSED	IB & IIB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	2 @ 341'	FIBER	0°	(1) ERICSSON RRUS-11	-
IIB	PROPOSED	IIB & IIB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIB	PROPOSED	VB & VIB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIB	PROPOSED	VB & VIB	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	89.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IG	PROPOSED	IG & IIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0'	2 @ 387'	FIBER	0°	(1) ERICSSON RRUS-11	-
IIG	PROPOSED	IIG & IIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIG	PROPOSED	VG & VIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
IIIG	PROPOSED	VG & VIG	POWERWAVE P65-15-XLH-RR	BOTTOM	TBD	67.0'	-	FIBER	0°	(1) ERICSSON RRUS-11	-
TOTAL QUAN.	-	-	12	-	-	-	1,766'	-	-	12	-

ANTENNA AND COAXIAL CABLE B.O.M.
SCALE: N.T.S.

5



NOTES:

- CONTRACTOR TO SEAL & WEATHERPROOF ALL PENETRATIONS.
- INSTALL RRU'S PER MANUFACTURES RECOMMENDATIONS.
- CONTRACTOR SHALL VERIFY EXISTING CONDITION AND DEPTH OF EMBEDMENT AVAILABLE.
- MOUNTING TYPICAL FOR SURGE ARRESTOR. MOUNT ACCORDING TO MANUFACTURER SPECIFICATIONS

TYPICAL RRU MOUNTING DETAIL
SCALE: N.T.S.

6

at&t
Mobility
550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

CUSTOM HOUSE GARAGE
SITE NO.: ME2976

S&I
communications
22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

Dewberry
Dewberry Engineers, Inc.
200 SUMNER STREET
10TH FLOOR
BOSTON, MA 02210
PHONE: 617.685.3400
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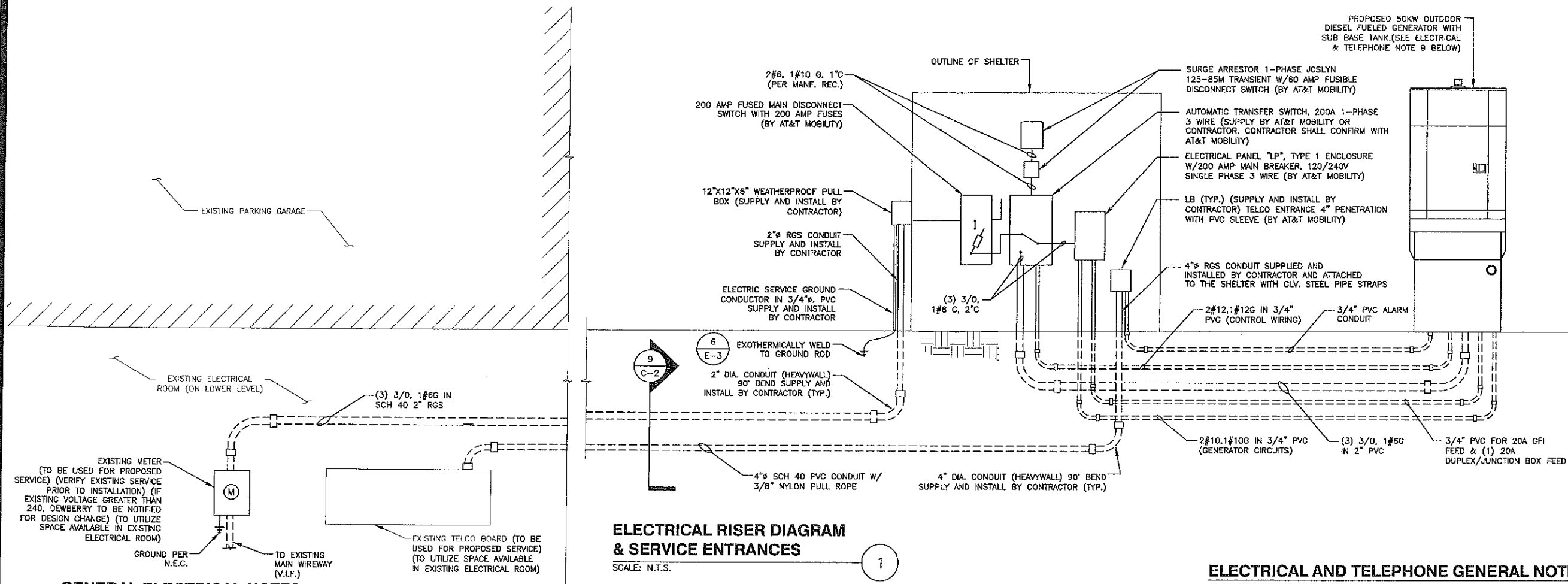
A. MILLS
No. 6052
Professional Engineer
6.5.12

DRAWN BY: JIM
REVIEWED BY: DAS
CHECKED BY: PPB
PROJECT NUMBER: 50003936
JOB NUMBER: 50041016
SITE ADDRESS:

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE
ANTENNA B.O.M. & ANTENNA DETAILS
SHEET NUMBER

C-6



ELECTRICAL RISER DIAGRAM & SERVICE ENTRANCES

SCALE: N.T.S.

1

ELECTRICAL AND TELEPHONE GENERAL NOTES:

GENERAL ELECTRICAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES, O.S.H.A., NEC, AT&T MOBILITY SPECIFICATIONS, AND THE SPECIFICATIONS DETAILED IN THESE PLANS.
- SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERIFICATION, OBSERVATION, TESTS, AND EXAMINATION WORK PRIOR TO THE ORDERING OF THE ELECTRICAL EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT, AND DISCREPANCIES.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE. CONTRACTOR SHALL ENSURE THAT ACCESS TO EQUIPMENT IS MAINTAINED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND ALL APPLICABLE CODES.
- EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, J-BOX, SWITCH BOX, ETC., IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE SYSTEM, ENERGIZED THROUGHOUT AND AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORY AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, IEEE, AND NFPA.
- ALL CONDUIT INSTALLED MAY BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
- COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
- ALL "CONDUIT ONLY" (C.O.) INSTALLATIONS SHALL HAVE A 1/4" PULL WIRE OR ROPE.
- CONTRACTOR SHALL PROVIDE AT&T MOBILITY PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
- ALL BROCHURES, OPERATING MANUALS, CATALOGS, SHOP DRAWINGS, ETC. SHALL BE TURNED OVER TO OWNER AT JOB COMPLETION.
- POWER WIRE AND CABLE CONDUCTORS SHALL BE COPPER #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON DRAWINGS. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID.
- ALL CONDUCTORS LARGER THAN #10 AWG SHALL BE STRANDED COPPER WITH THWN 800V INSULATION, UNLESS NOTED OTHERWISE.
- ALL MATING SURFACES OF GROUND CONNECTIONS SHALL BE CLEANED SMOOTH AND COATED WITH ANTOXIDANT PRIOR TO ATTACHMENT.
- ALL GROUND CONNECTIONS BELOW GRADE MUST BE EXOTHERMICALLY WELDED (CAD WELD OR APPROVED EQUAL)
- ALL EXTERIOR GROUNDING CONDUCTORS SHALL BE # 2 AWG SOLID TINNED BARE COPPER WIRE UNLESS NOTED OTHERWISE.
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C. COORDINATE SHORT CIRCUIT REQUIREMENTS WITH UTILITY COMPANY.
- CONTRACTOR SHALL PATCH, REPAIR, AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.

- IN DRILLING HOLES INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS, ETC., IT MUST BE CLEARLY UNDERSTOOD THAT TENDONS AND/OR REINFORCING STEEL WILL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES.
- LOCATION OF TENDONS AND/OR REINFORCING STEEL ARE NOT DEFINITELY KNOWN AND, THEREFORE, MUST BE SEARCHED FOR BY APPROPRIATE METHODS AND EQUIPMENT VIA X-RAY OR OTHER DEVICES THAT CAN ACCURATELY LOCATE THE REINFORCING AND/OR STEEL TENDONS.
- PENETRATIONS IN FIRE RATED WALLS SHALL BE SEALED IN ACCORDANCE WITH ALL APPLICABLE CODES.
- ALL MATERIALS SHALL BE U.L. LISTED.
- CONDUIT:
 - RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL. FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "MAK" OR "SQUEEZEE" TYPE. SEAL TIGHT FLEXIBLE CONDUIT. ALL CONDUIT SHALL HAVE FULL SIZE GROUND WIRE.
 - CONDUIT RUNS MAY BE SURFACE MOUNTED IN CEILINGS OR WALLS UNLESS INDICATED OTHERWISE. CONDUIT SHALL RUN PARALLEL OR AT RIGHT ANGLES TO CEILING, FLOOR OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH ENGINEER PRIOR TO INSTALLING.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS.
- CONTRACTOR SHALL COORDINATE THE ELECTRICAL SERVICE WITH LANDLORD AND LOCAL UTILITY.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY NEC AND ALL APPLICABLE CODES.
- GROUNDED SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER ALL TEST REPORTS AND ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK".
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- ALL EXPOSED GROUND WIRES ROUTED ALONG THE SIDE OF EQUIPMENT SHELTERS OR ROUTED OVER CONCRETE FOUNDATIONS OR OTHER EXISTING STRUCTURES SHALL BE INSTALLED IN PROPERLY ANCHORED 3/4" (MIN.) PVC CONDUIT.
- CONTRACTOR SHALL NOT DISTURB EXISTING GROUNDING SYSTEM. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST.
- ALL ELEMENTS OF ICE BRIDGE AND AT&T MOBILITY UTILITY BACKBOARD MUST BE BONDED AND JUMPED TO GROUNDED COMPONENTS OF THESE SYSTEMS.
- ALL INTERIOR CABLES AND WIRING SHALL BE NEATLY ROUTED IN OVERHEAD LADDER RACK AND FASTENED TO LADDER RACK WITH PLASTIC CABLE TIES.
- ALL GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARDS FROM POINT OF ORIGIN TO TERMINATION POINT (GROUND BAR, GROUND RING, ETC.)
- GROUNDED CONDUCTORS SHALL NOT REVERSE DIRECTION (EXCEPT HALD & BURIED GROUND RINGS). OTHER EXCEPTIONS NEED TO BE APPROVED BY AT&T MOBILITY CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
- GROUNDED CONDUCTORS SHALL HAVE A MINIMUM BENDING RADIUS OF 8".
- ALL CONNECTIONS TO GROUND PLATES SHALL BE CAD WELDED TO THE CENTER OF THE PLATE. ALL DETAILS SHOWING CONNECTIONS TO GROUND RODS ARE ALSO VALID FOR SIMILAR CONNECTIONS TO GROUND PLATES.

NOTE: POWER SUPPLY SUBJECT TO CHANGE. CONFIRM SUPPLY, ROUTING, AND DESIGN WITH UTILITY COMPANY, CM, & LL.



CUSTOM HOUSE GARAGE
SITE NO.: ME2976

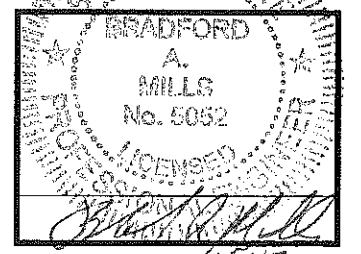


CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT



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280 SUMMER STREET
BOSTON, MA 02210
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6.8.12

DRAWN BY: JIM
REVIEWED BY: DAS
CHECKED BY: PPB
PROJECT NUMBER: 50003936
JOB NUMBER: 50041016
SITE ADDRESS:

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE
ELECTRICAL RISER DIAGRAM
SHEET NUMBER



550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

**CUSTOM HOUSE
GARAGE
SITE NO.: ME2976**



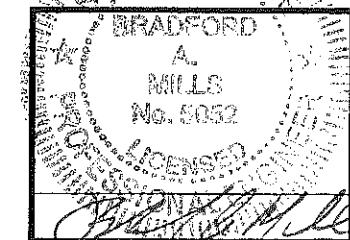
22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT



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DRAWN BY:	JIM
REVIEWED BY:	DAS
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PROJECT NUMBER:	50003936
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SITE ADDRESS	

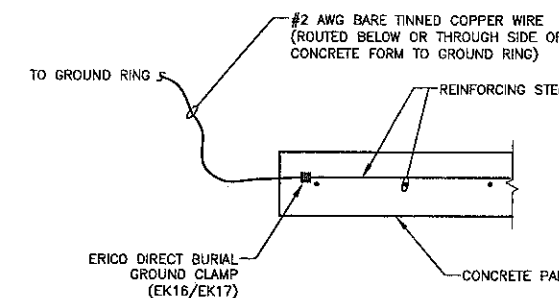
25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE	SCHMATIC GROUNDING PLAN
SHEET NUMBER	

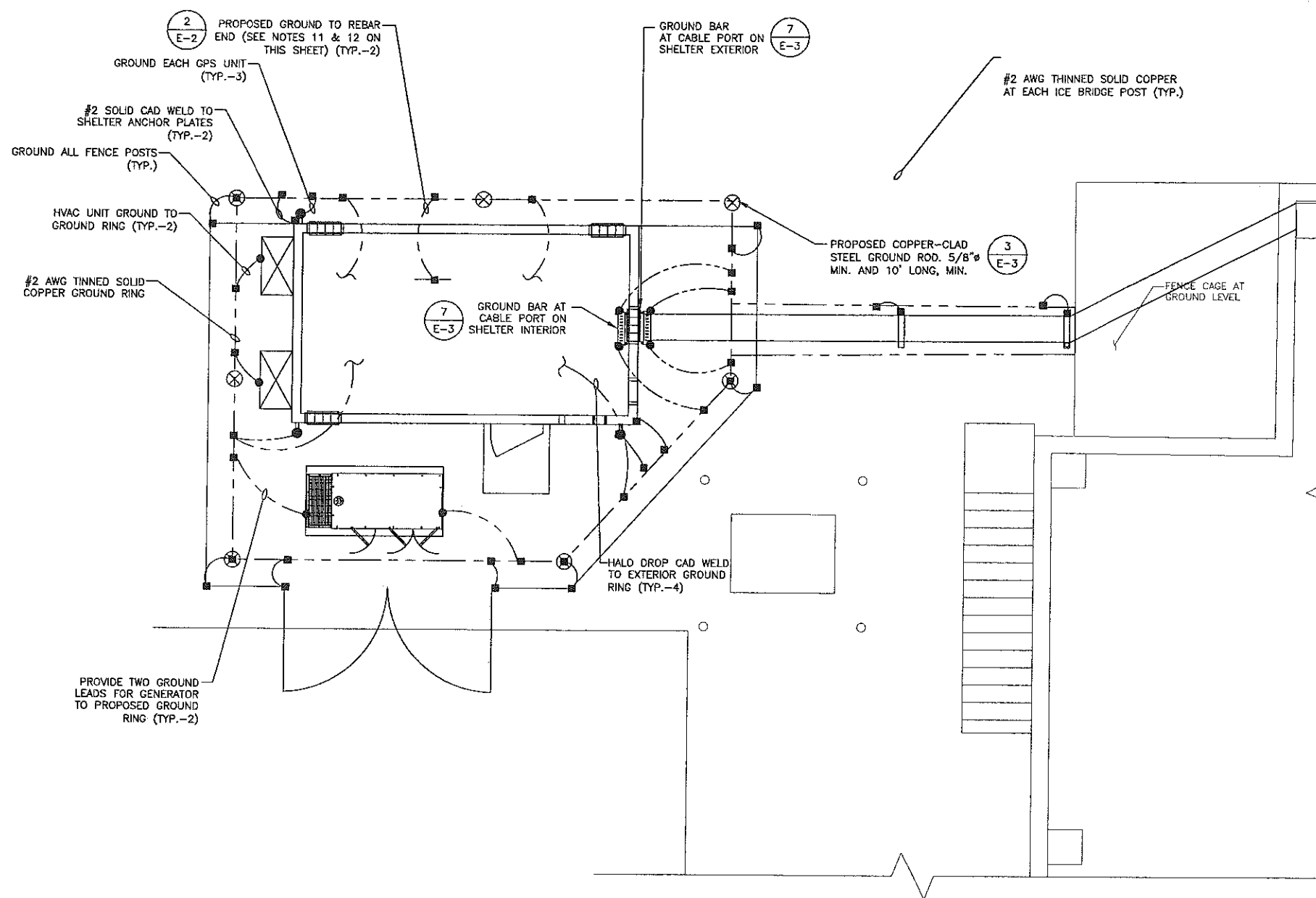
E-2

GROUNDING GENERAL NOTES

- ALL DOWN CONDUCTORS AND GROUND THE RING CONDUCTOR SHALL BE #2 AWG, SOLID, BARE, TINNED COPPER, UNLESS OTHERWISE NOTED. ALL CONNECTIONS TO GROUND RING SHALL BE EXOTHERMICALLY WELDED. CONDUCTOR SHALL BE AT A MINIMUM DEPTH BELOW GRADE OF 18 INCHES OR TO LEDGE. MINIMUM BEND RADIUS SHALL BE 8 INCHES. CONDUCTOR SHALL BE AT LEAST 24 INCHES FROM ANY FOUNDATION, UNLESS OTHERWISE NOTED.
- GROUND RODS SHALL BE 5/8" DIAMETER COPPER CLAD, HARGER, T&B, ERICO, OR EQUIVALENT. TOP OF ROD SHALL BE A MINIMUM OF 18" BELOW GRADE. IF LEDGE IS ENCOUNTERED, INSTALL GROUND ROD AT AN ANGLE. ELECTRICAL METER GROUND ROD EXCEPTED.
- WHERE MECHANICAL CONNECTIONS ARE SPECIFIED, BOLTED, COMPRESSION-TYPE, CLAMPS OR SPLIT-BOLT TYPE CONNECTORS SHALL BE USED.
- GRIND OFF GALVANIZING IN AFFECTED AREA. EXOTHERMICALLY WELD #2 CONDUCTOR AT 6" ABOVE GRADE OR FOUNDATION, WHICHEVER IS HIGHER. COLD-GALV AFTER. EXOTHERMICALLY WELD OTHER END TO GROUND RING.
- INSTALL GROUNDING KITS AT ANTENNA CENTERLINE, AND TOWER EXIT POINTS. GROUND COAX LINES. EXOTHERMICALLY WELD #2 DOWN CONDUCTOR TO PLATES, RUN DOWN TOWER, AND TIE INTO GROUNDING SYSTEM.
- ALL GROUNDING WORK SHALL COMPLY WITH AT&T CONSTRUCTION CONTRACT STANDARDS. FOLLOWING COMPLETION OF WORK, GROUND SYSTEM MUST BE TESTED AND SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS. SUBMIT AN INDEPENDENT "FALL POTENTIAL" TESTING REPORT.
- ALL GROUNDING CONDUCTORS ON EXTERIOR WALL OF SHELTER SHALL BE INSTALLED IN 3/4" SCH 40 PVC CONDUIT TO 12" BELOW GRADE. ATTACH PVC WITH GALVANIZED "C" CLAMPS.
- CONTRACTOR SHALL HAND-DIG IN AREAS AROUND EXISTING UTILITIES.
- NOTIFY CONSTRUCTION ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- GROUNDING RING IS SHOWN AS SCHEMATIC ONLY. IT IS DESIGNED WITHOUT BENEFIT OF RESISTIVITY TESTING AND DOES NOT NECESSARILY REPRESENT A GROUNDING SYSTEM TO MEET ANY SPECIFIC GROUND RESISTANCE.
- PRIOR TO POURING CONCRETE, ALL REBAR LOCATED NEAR THE BOTTOM OF THE FOUNDATION SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE, BY STEEL TIES OF OTHER EFFECTIVE MEANS APPROVED BY NEC 2005 AND STRUCTURAL ENGINEER, AND BONDED TO THE GROUND RING AS DETAILED IN THESE PLANS. (INSPECTION MAY BE REQUIRED PRIOR TO POURING CONCRETE AND MUST BE COORDINATED BY CONTRACTOR.)
- IN ACCORDANCE WITH NEC 2008 REQUIREMENTS, ALL GROUNDING ELECTRODES PRESENT ON SITE SHALL BE BONDED TOGETHER (REFERENCE 2008 NEC ARTICLE 250.50).
- CAULK AND SEAL ALL NON-FACTORY SHELTER PENETRATIONS.



REBAR GROUNDING DETAIL
SCALE: N.T.S.



NOTES:

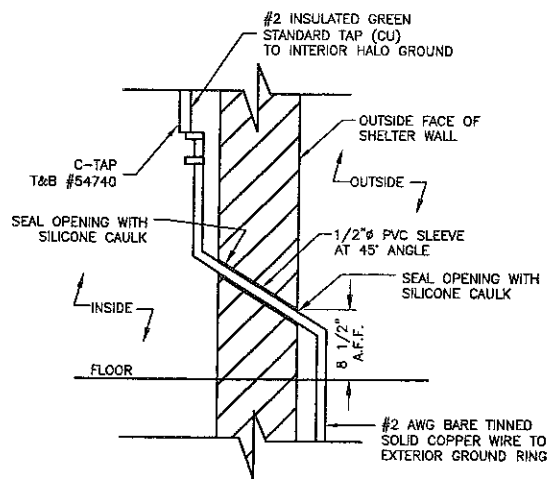
- GROUND UTILITY METER PER N.E.C.
- CONTRACTOR TO VERIFY WITH AT&T MOBILITY C.M. FOR FINAL GROUND METHOD.

PARTIAL SCHEMATIC GROUNDING PLAN

SCALE: N.T.S.

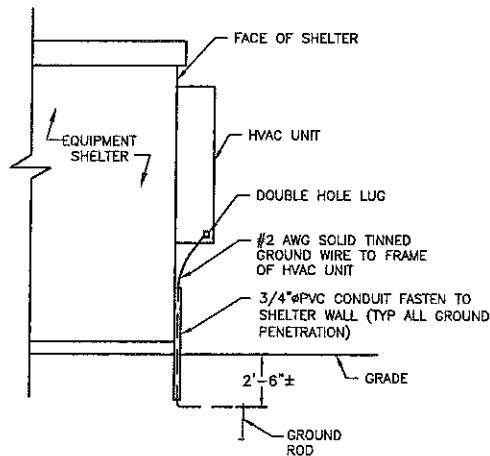
GROUNDING LEGEND

	GROUND BAR
	GROUND COPPER WIRE, SIZE AS NOTED
	FUTURE GROUND RING (V.I.F.)
	MECHANICAL GROUND CONNECTION
	5/8"x10" COPPER CLAD STEEL GROUND ROD
	EXOTHERMIC (CADWELL) CONNECTION



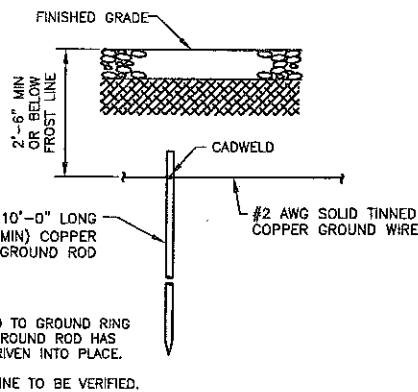
WALL GROUND PENETRATION

SCALE: N.T.S.



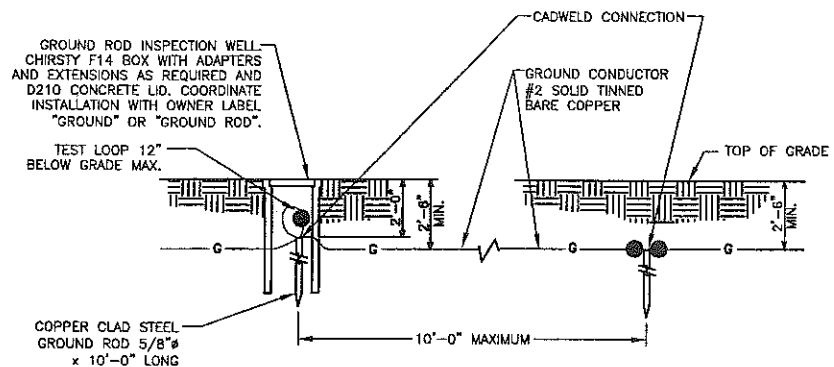
HVAC UNIT GROUND

SCALE: N.T.S.



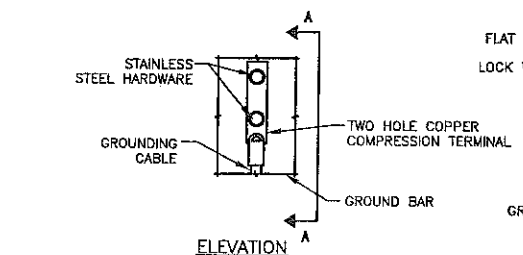
GROUND ROD

SCALE: N.T.S.



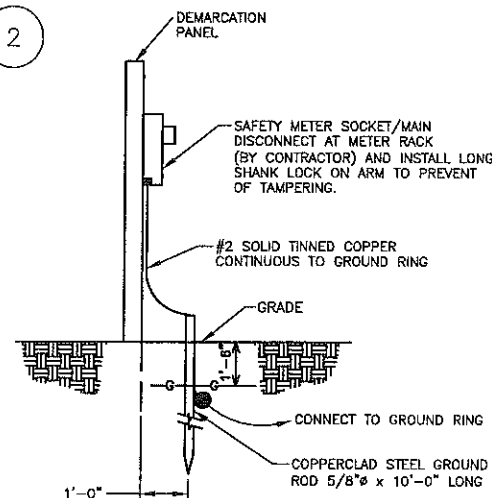
GROUND BOX DETAIL

SCALE: N.T.S.



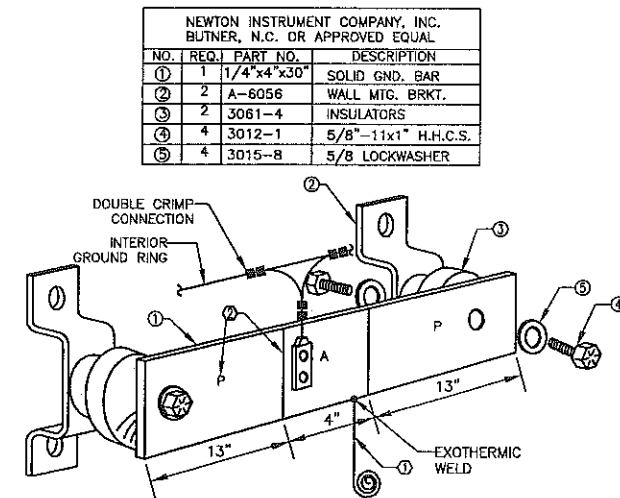
TYPICAL GROUND BAR MECHANICAL CONNECTION DETAIL

SCALE: N.T.S.



METER SOCKET GROUNDING

SCALE: N.T.S.



EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PROTECTORS

- CABLE ENTRY PORTS (HATCH PLATES) (2 AWG)
- GENERATOR FRAMEWORK (IF AVAILABLE) (2 AWG)
- TELCO GROUND BAR (2 AWG)
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (2 AWG)
- +24V POWER SUPPLY RETURN BAR (2 AWG)
- 48V POWER SUPPLY RETURN BAR (2 AWG)
- RECTIFIER FRAMES.
- COAX SUPPRESSION

SECTION "A" - SURGE ABSORBERS

- INTERIOR GROUND RING (2 AWG)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (2 AWG)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (2 AWG)
- BUILDING STEEL (IF AVAILABLE) (2 AWG)

SECTION "I" - ISOLATED GROUND ZONE

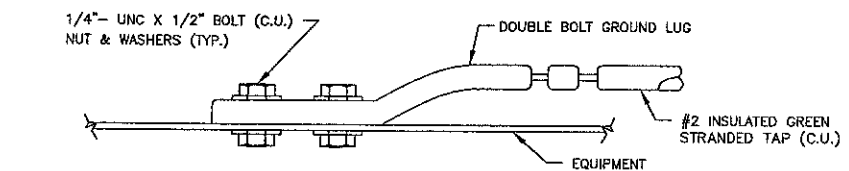
- ALL COMMUNICATIONS EQUIPMENT FRAMES.
- ISOLATED GROUND BAR - IGB (2 AWG)

DETAIL NOTES:

- EXOTHERMICALLY WELD 2 AWG BARE TINNED SOLID COPPER CONDUCTOR TO GROUND BAR. ROUTE CONDUCTOR TO BURIED GROUND RING AND PROVIDE PARALLEL EXOTHERMIC WELD.
- USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION ("P", "A", "I") WITH 1" HIGH LETTERS.

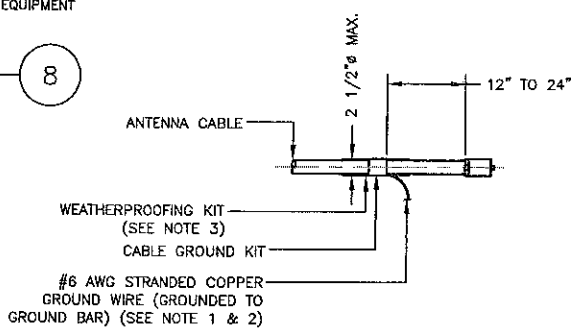
GROUND BAR PLATE (TYP.)

SCALE: N.T.S.



CONNECTION TO EQUIPMENT DETAIL

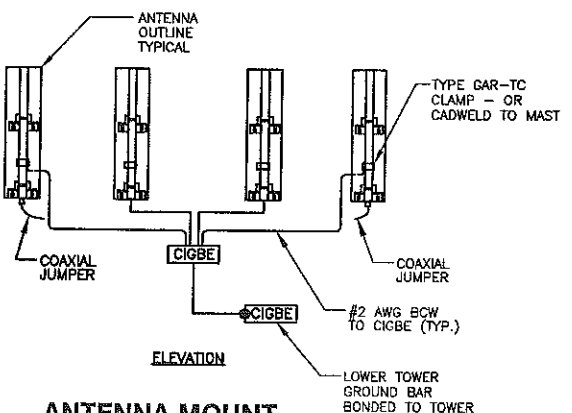
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- NOTES:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
 - GROUNDING KIT SHALL BE ANDREW SUREGROUND TYPE KIT WITH TWO-HOLE LUG.
 - WEATHER PROOFING SHALL BE ANDREW TWO-PART TAPE SUPPLIED WITH KIT. COLD SHRINK SHALL NOT BE USED.

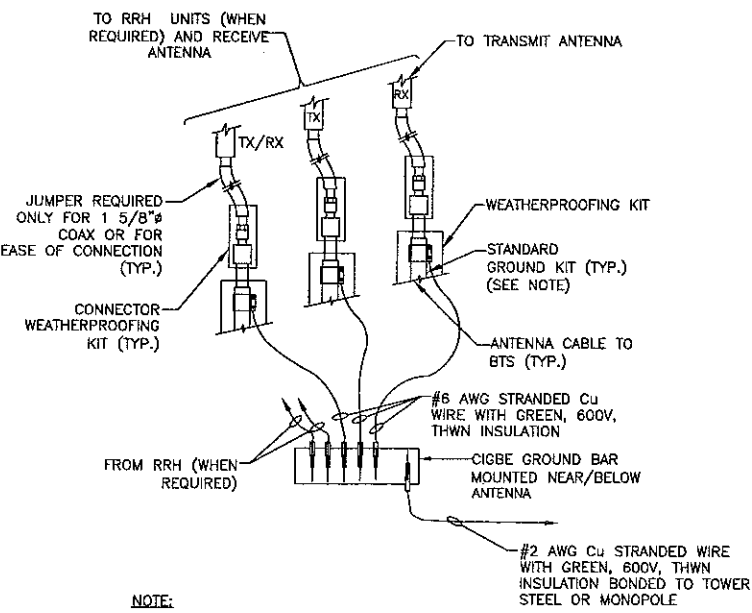
CONNECTION OF CABLE GROUND KIT TO ANTENNA CABLE DETAIL

SCALE: N.T.S.



ANTENNA MOUNT GROUNDING DETAIL

SCALE: N.T.S.



- NOTE:**
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

CONNECTION OF GROUND WIRE TO GROUNDING BAR DETAIL

SCALE: N.T.S.

550 COCHITUATE ROAD
SUITES 13 & 14
FRAMINGHAM, MA 01701

CUSTOM HOUSE GARAGE
SITE NO.: ME2976



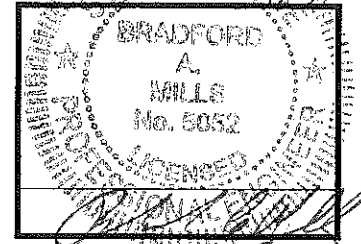
22 KEEWAYDIN DRIVE
SALEM, NH 03079

CONSTRUCTION DRAWINGS

NO.	DATE	DESCRIPTION
0	06/05/12	FOR CONSTRUCTION
A	04/06/11	FOR COMMENT

Dewberry

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BOSTON, MA 02210
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6.5.12

DRAWN BY:	JIM
REVIEWED BY:	DAS
CHECKED BY:	PPB
PROJECT NUMBER:	50003936
JOB NUMBER:	50041016
SITE ADDRESS:	

25 PEARL STREET
PORTLAND, ME 04101

SHEET TITLE	GROUNDING DETAILS
SHEET NUMBER	

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 <DGA@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)

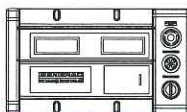
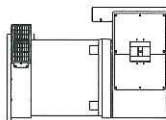
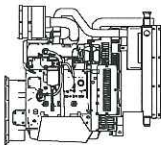
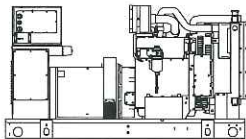
SD050

CUSTOM MODEL

Industrial Diesel Generator Set

EPA Emissions Certification: Tier III

Standby Power Rating
50KW 60 Hz



features

benefits

Generator Set

- | | |
|----------------------------------|-----------------------------------|
| • PROTOTYPE & TORSIONALLY TESTED | ▶ PROVIDES A PROVEN UNIT |
| • UL2200 TESTED | ▶ ENSURES A QUALITY PRODUCT |
| • RHINOCOAT PAINT SYSTEM | ▶ IMPROVES RESISTANCE TO ELEMENTS |
| • SOUND LEVEL 2 ENCLOSURE | ▶ 71dba @ 7 METERS (23FT) |

Engine

- | | |
|---------------------------------------|--------------------------------------|
| • EPA TIER CERTIFIED | ▶ ENVIRONMENTALLY FRIENDLY |
| • INDUSTRIAL TESTED, GENERAC APPROVED | ▶ ENSURES INDUSTRIAL STANDARDS |
| • POWER-MATCHED OUTPUT | ▶ ENGINEERED FOR PERFORMANCE |
| • INDUSTRIAL GRADE | ▶ IMPROVES LONGEVITY AND RELIABILITY |

Alternator

- | | |
|-----------------------------------|-----------------------------------|
| • TWO-THIRDS PITCH | ▶ ELIMINATES HARMFUL 3RD HARMONIC |
| • LAYER WOUND ROTOR & STATOR | ▶ IMPROVES COOLING |
| • CLASS H MATERIALS | ▶ HEAT TOLERANT DESIGN |
| • DIGITAL 3-PHASE VOLTAGE CONTROL | ▶ FAST AND ACCURATE RESPONSE |

Controls

- | | |
|---|-----------------------------------|
| • ENCAPSULATED BOARD W/ SEALED HARNESS | ▶ EASY, AFFORDABLE REPLACEMENT |
| • 4-20mA VOLTAGE-TO-CURRENT SENSORS | ▶ NOISE RESISTANT 24/7 MONITORING |
| • SURFACE-MOUNT TECHNOLOGY | ▶ PROVIDES VIBRATION RESISTANCE |
| • ADVANCED DIAGNOSTICS & COMMUNICATIONS | ▶ HARDENED RELIABILITY |

primary codes and standards



SD050

application and engineering data

ENGINE SPECIFICATIONS

General

Make	Iveco / FPT
EPA Emissions Compliance	Tier III
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	4
Type	Diesel
Displacement - L (cu. in.)	4.5 (274)
Bore - mm (in.)	105 (4.1)
Stroke - mm (in.)	132 (5.2)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged
Cylinder Head Type	2 Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Block 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	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	+/- 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)

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

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

NOTE: Generator output limited to 200A.

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

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

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" H₂O Column

STANDBY

Coolant Flow per Minute	gpm (lpm)	32.7(123.8)
Heat rejection to Coolant	BTU/min	123,000
Inlet Air	cfm (m3/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

STANDBY
 cfm (m3/min) 247 (7.00)

EXHAUST

Exhaust Outlet Size (Open Set)

3.0"

Maximum Backpressure (Post-Silencer)

1.5" Hg

STANDBY

Exhaust Flow (Rated Output)	cfm (m3/hr)	534(906.7)
Maximum Backpressure	inHg (Kpa)	1.5 (5.1)
Exhaust Temp (Rated Output)	F° (C°)	930(498.8)

ENGINE

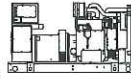
		STANDBY
Rated Engine Speed	rpm	1800
Horsepower at Rated kW	hp	93
Temperature Deration		Consult Factory
Altitude Deration		Consult Factory

* CA units include aftertreatment

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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

- Cooling System**
- 120VAC Coolant Heater (3-wire connection cord) Std
 - 50%/50% Coolant Std
 - Level 1 Guarding (Open Sets) Std
 - Closed Coolant Recovery System Std
 - UV/Ozone resistant hoses Std
 - Factory-Installed Radiator Std
 - Radiator Drain Extension Std
 - Fan guard Std
 - Radiator duct adapter (Open Sets) Std
 -

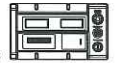
- Engine Electrical System**
- Battery charging alternator Std
 - Battery cables Std
 - Battery tray Std
 - 75W 120VAC Battery heater Std
 - Solenoid activated starter motor Std
 - 10A UL float/equalize battery charger Std
 - Weather Resistant electrical connections Std
 - Duplex GFCI Convenience Outlet Std

ALTERNATOR SYSTEM



- UL2200 GENprotect™ Std
- 100% Rated 200A Main Line Circuit Breaker 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, 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)

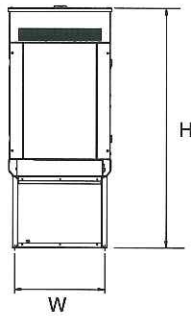
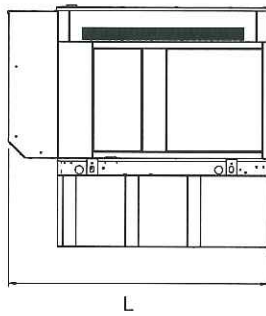
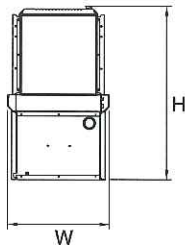
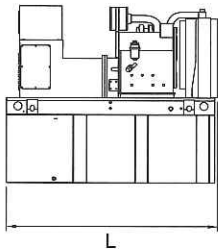
- Low Fuel Std
- Oil Pressure (Pre-programmed Low Pressure Shutdown) Std
- Coolant Temperature (Pre-programmed High Temp Shutdo) Std
- Coolant Level (Pre-programmed Low Level Shutdown) Std
- Engine Speed (Pre-programmed Overspeed Shutdown) Std
- Voltage (Pre-programmed Overvoltage Shutdown) Std
- Battery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

Other Options

- Single Side Service
-
-

SD050

dimensions, weights and sound levels



OPEN SET

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

LEVEL 2 SOUND ENCLOSURE

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

*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.

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



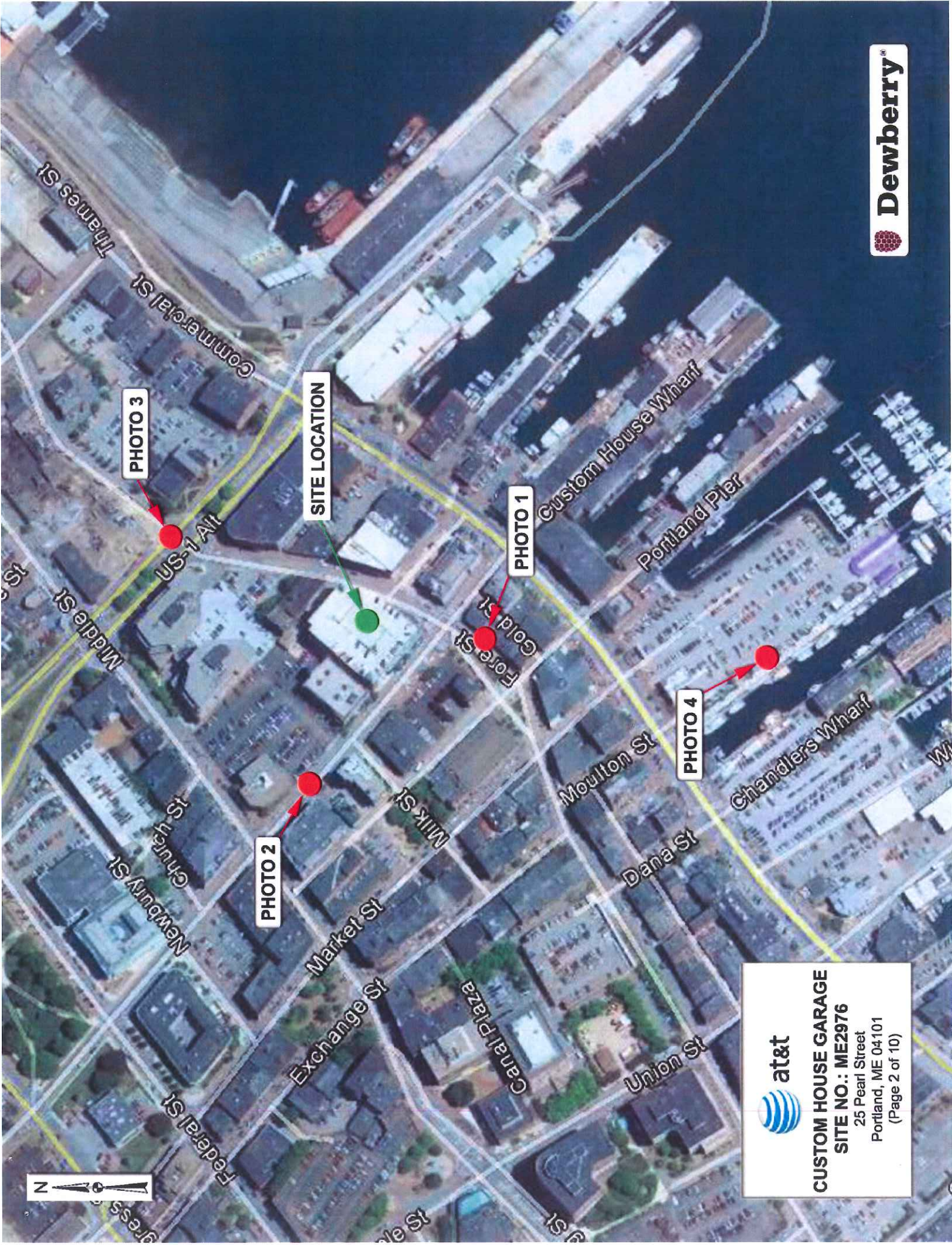
For visual reference only. Actual visibility is dependent upon weather conditions, season, sunlight, and viewer location.



550 Cochituate Road
Suites 13 & 14
Frammingham, MA 01701

CUSTOM HOUSE GARAGE
Site No.: ME2976
DEWBERRY NO.50041016
(Page 1 of 10)


communications


Dewberry
Dewberry Engineers, Inc.
280 Summer St.
10th Floor
Boston, MA 02210



 **at&t**
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)

 **at&t**
CUSTOM HOUSE GARAGE
Photo 1B
View Facing North
From Fore Street
(Page 4 of 10)



Actual View



CUSTOM HOUSE GARAGE

Photo 2A


View Facing Southeast
From Pearl Street
(Page 5 of 10)



Proposed View

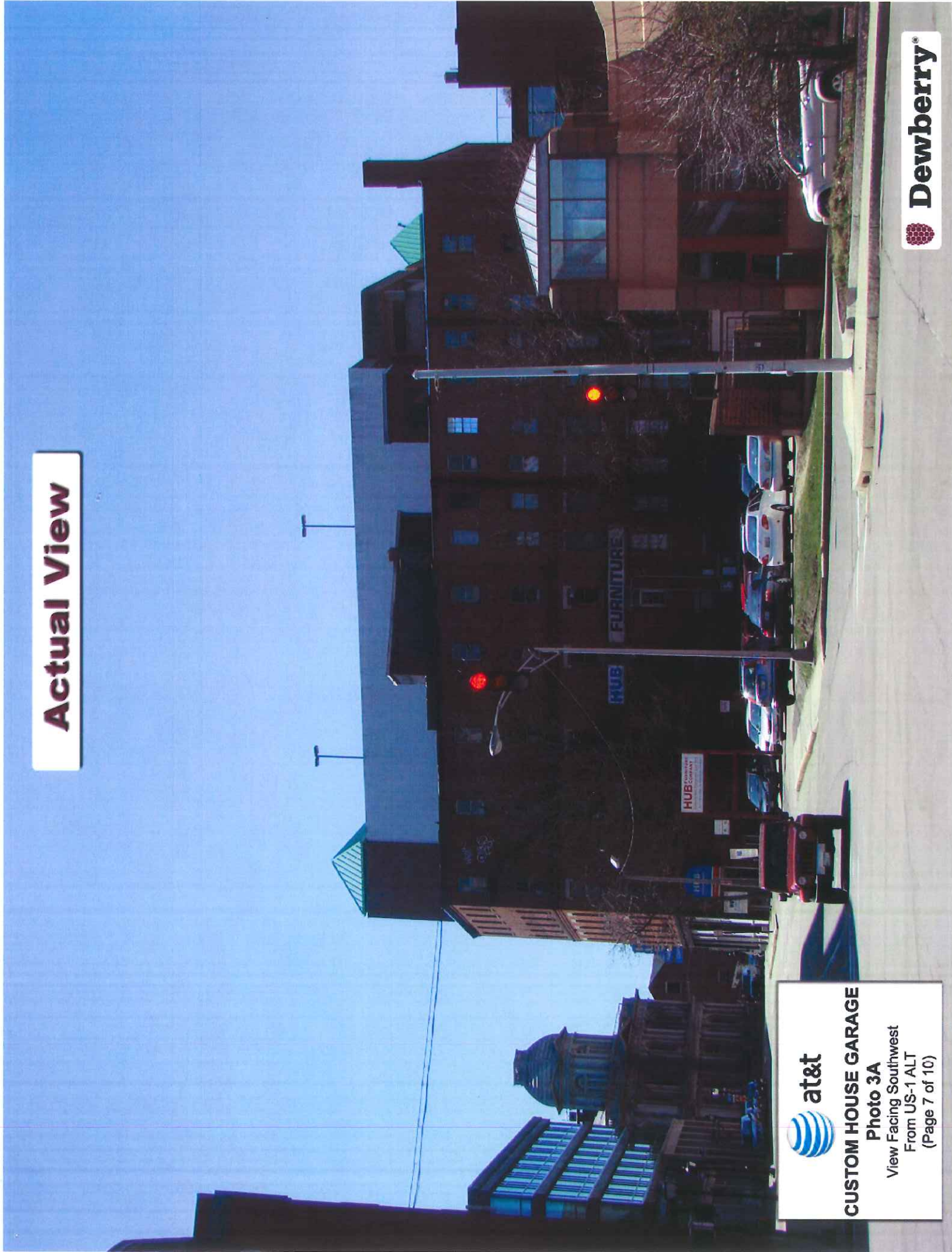
Proposed Facade Mounted Antenna (4/Sector) (Typ.-12)




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)



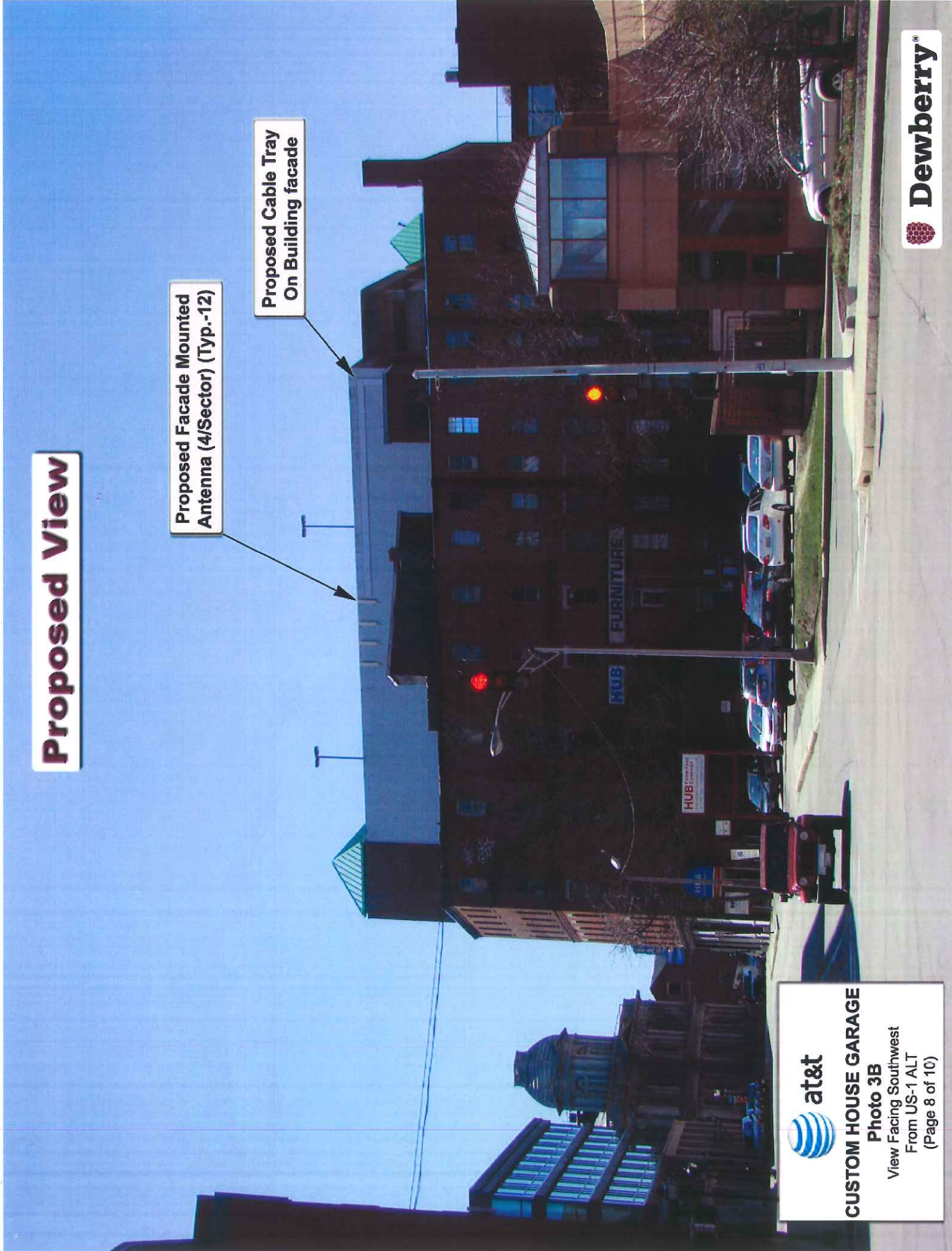
Proposed View

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

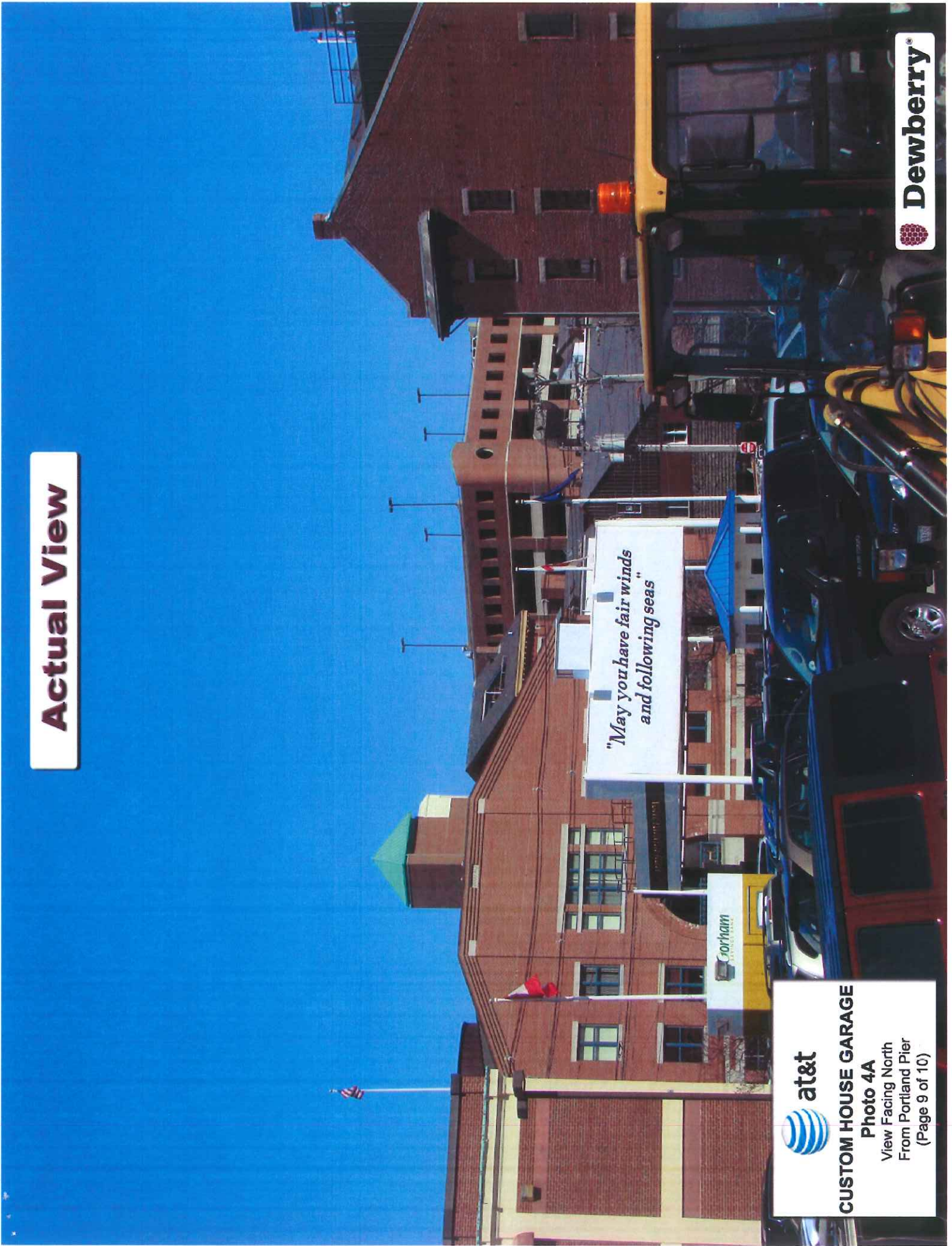
Proposed Cable Tray On Building facade


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

 **Dewberry**



Actual View





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"*

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

 **Dewberry**

