

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 220 RIVERSIDE INDUSTRIAL PARKWAY		Owner: AMERICAN TOWER GROUP		Phone: 517-585-7600		Permit No: 010025
Owner Address: 500 COLUMBUS AVE., BOSTON, MA		Lessee/Buyer's Name: 02116		Phone:		
Contractor Name: ***EASTERN COMMUNICATIONS		Address: *** 130 THEDEUS STREET, SOUTH PORTLAND, ME		Phone: 04106		Zone: CBL: 330-H-005 Zoning Approval: <i>on existing tower</i> Special Zone or Reviews: <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan maj <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>
Past Use: COMMERCIAL		Proposed Use: COMMERCIAL		COST OF WORK: \$4,000.00		
				FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: <i>4</i> Type: <i>100099</i>
Proposed Project Description: INSTALL ANTENNA SYSTEM				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>
				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
				Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied		
Permit Taken By: GAYLE		Date Applied For: JANUARY 5, 2001		Signature: _____		Date: _____

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit

JANUARY 8, 2001

SIGNATURE OF APPLICANT _____ ADDRESS: _____ DATE: _____ PHONE: _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ PHONE: _____

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Ivory Card-Inspector

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:

Approved
 Approved with Conditions
 Denied

Date: *[Signature]*

PERMIT ISSUED WITH REQUIREMENTS

CEO DISTRICT

1

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

Minor/Minor Site Review for New Detached Single Family Dwelling, Additions/Alterations/Accessory Structures, Multi-Family, Commercial Interior Rehab (other than additions), Change of Use

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTEIf you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.**

Location/Address of Construction: 220 RIVERSIDE INDUSTRIAL PARKWAY

Total Square Footage of Proposed Structure 3x5 Square Footage of Lot

Tax Assessor's Chart, Block & Lot Number	Owner: <u>AMERICAN TOWER CORP</u> <u>500 COLUMBUS AVE</u> <u>BOSTON MA. 02116</u>	Telephone#: <u>617-585-7600</u>
Chart# <u>330</u> Block# <u>H</u> Lot# <u>005</u>		

Lessee/Buyer's Name (If Applicable) <u>MOBILE # 1-781-771-8300 BOB HUGHAN</u>	Owner's/Purchaser/Lessee Address:	Cost Of Work: <u>4000.00</u> Fee: <u>4800</u>
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Current use: WIRELESS TELECOMMUNICATIONS Proposed use: NEW ANTENNA'S SYSTEM
CHANGE OUT OF EXISTING ANTENNA. INSTALL NEW METAL WAVE ANTENNA'S

Project description:

Contractor's Name, Address & Telephone
EASTERN COMMUNICATIONS 130 THEDEUS ST. SO PORTLAND Rec'd By: 04106 Gayle

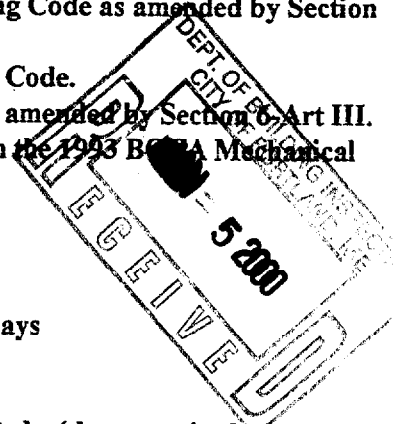
Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation.

- All construction must be conducted in compliance with the 1999 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1999 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1998 B.O.C.A Mechanical Code.

YOU MUST INCLUDE THE FOLLOWING WITH YOUR APPLICATION:

- A Copy of Your Deed or Purchase and Sale Agreement if purchased in the last 365 days
- A Plot Plan (Sample Attached)

A "minor/minor" site plan review is required for New Single Family Homes Only (does not include additions, alterations or accessory structures) prior to permit issuance. The Site plan must be prepared and sealed by a registered land surveyor. **FOUR COPIES ARE REQUIRED FOR NEW SINGLE FAMILY HOMES**



Handwritten note: would email drawing to MN

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

A complete plot plan (Site Plan) includes:

- The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches, a bow windows cantilever sections and roof overhangs, as well as, sheds, pools, garages and any other accessory structures.
- Scale and North arrow; Zoning District & Setbacks
- First Floor sill elevation (based on mean sea level datum);
- Location and dimensions of parking areas and driveways;
- Location and size of both existing utilities in the street and the proposed utilities serving the building;
- Location of areas on the site that will be used to dispose of surface water.
- Existing and proposed grade contours

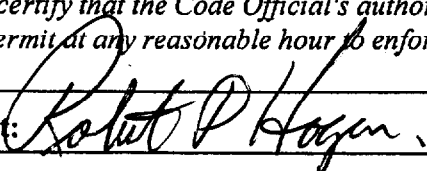
Building Plans are required for all construction, including interior rehab (Sample Attached)

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- Window and door schedules
- Foundation plans with required drainage and damp proofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: 	Date: 01-05-01
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Minor/Minor Site Review Fee: \$300.00/Building Permit Fee: \$30.00 for the 1st \$1000.cost plus \$6.00 per \$1,000.00 construction cost thereafter.

AUTOCAD OR ADOBE FORMAT REQUIRED FOR ALL COMMERICAL PROJECTS

19. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 9, Section 920.3.2 (BOCA National Building Code/1999), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements
 20. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)
 21. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.
 22. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.
 23. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)
 24. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
 25. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.
 26. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).
 27. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.
 28. All requirements must be met before a final Certificate of Occupancy is issued.
 29. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).
 30. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)
 31. Please read and implement the attached Land Use Zoning report requirements.
 32. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.
 33. Bridging shall comply with Section 2305.16.
 34. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)
 35. All flashing shall comply with Section 1406.3.10.
 36. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).
- # 37, The proposed Antenna System shall comply with Section 3109.0 of the City's Bldg. Code. (The BOCA National Building Code/1999)

P. Samuel Hoffes, Building Inspector
 Cc: Lt. McDougall, PFD
 Marge Schmuckal, Zoning Administrator
 Michael Nugent, Inspection Service Manager

PSH 10/1/00

****This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval.**

*****THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)**

******ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.**

*******CERTIFICATE OF OCCUPANCY FEE \$50.00**

BUILDING PERMIT REPORT

DATE: 8 January 2001 ADDRESS: 220 Riverside Industrial Pkwy PLSBL: 330-H-005
REASON FOR PERMIT: Install Antenna system
BUILDING OWNER: American Tower Group
PERMIT APPLICANT: _____ CONTRACTOR: Eastern Communications
USE GROUP: U CONSTRUCTION TYPE: _____ CONSTRUCTION COST: 4,000.00 PERMIT FEES: 48.00

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: *1, *32

1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) **"ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."**
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6' O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B.H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/2" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 1/2" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
16. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
17. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
18. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

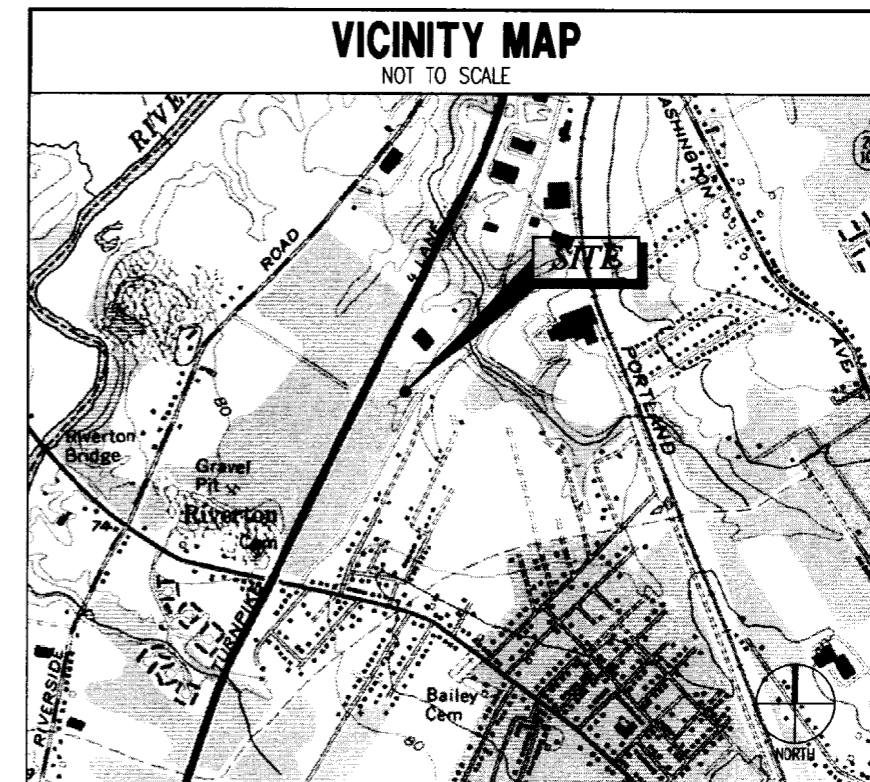


400 FRIBERG PARKWAY, WESTBOROUGH, MA 01581

PORTLAND NORTH COMMUNICATIONS FACILITY EXPANSION
220 RIVERSIDE INDUSTRIAL PARKWAY
PORTLAND, MAINE 04101
CUMBERLAND COUNTY

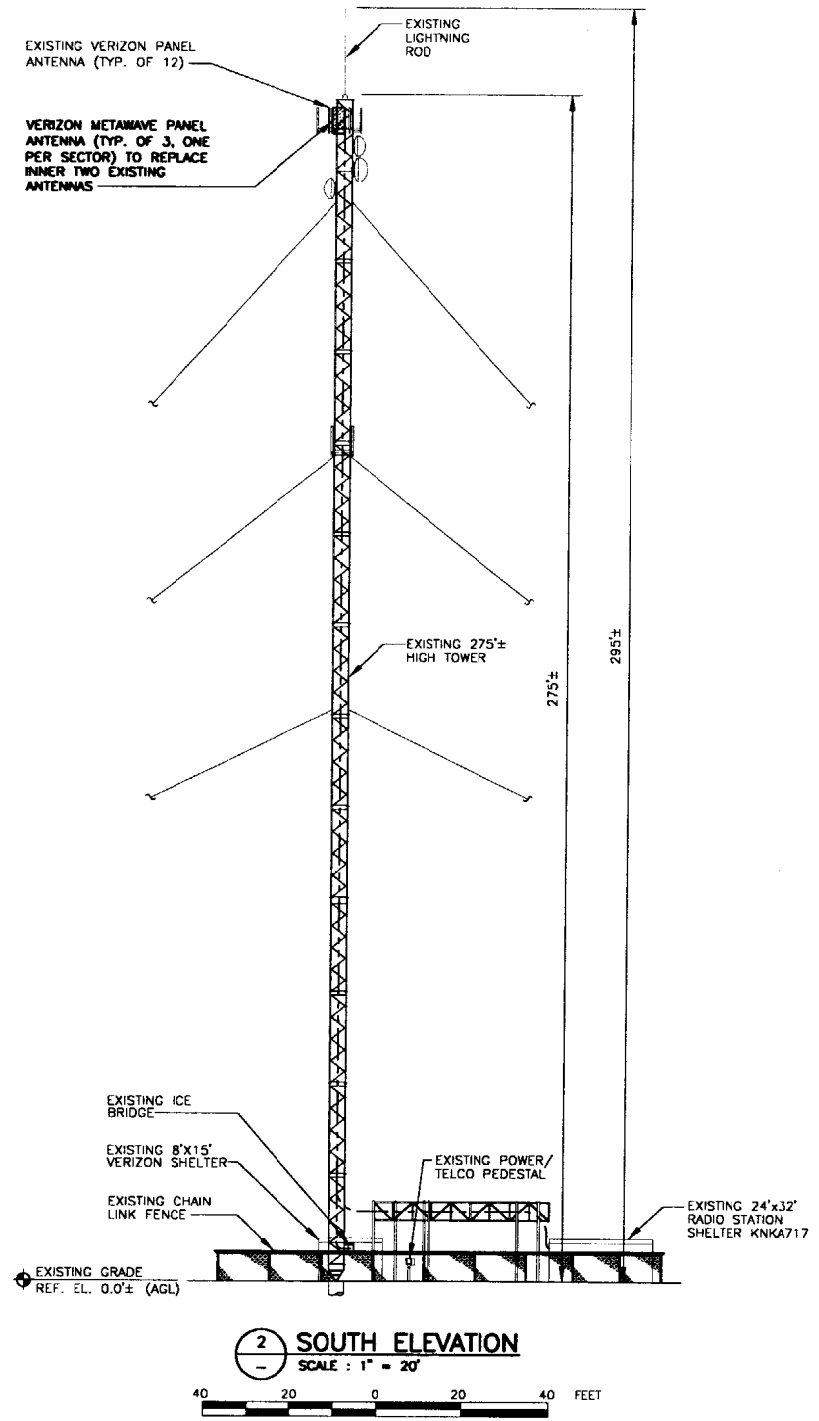
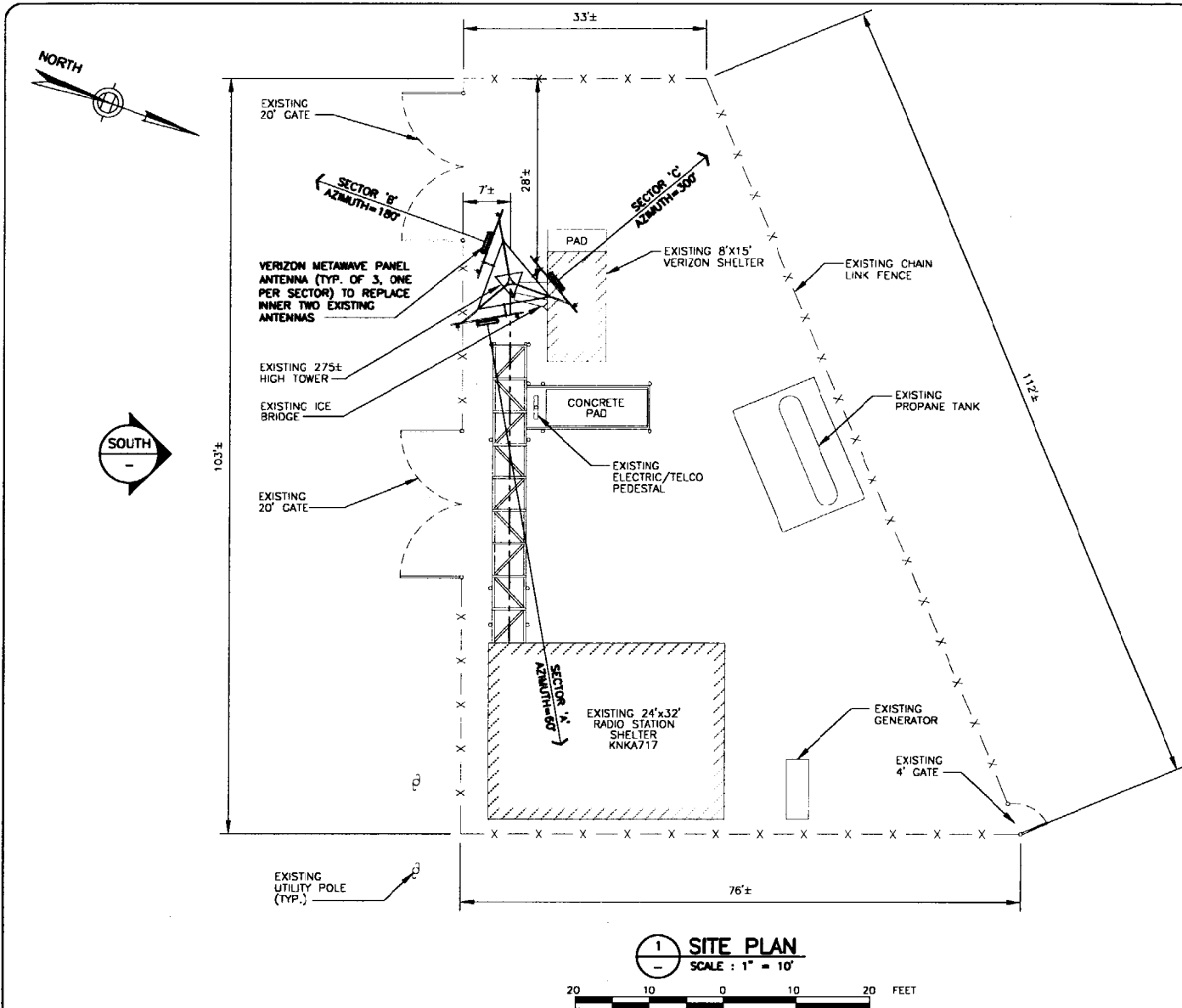
INDEX OF SHEETS:

- TITLE SHEET
- A-1 SITE PLAN AND ELEVATION
- A-2 DETAILS



CONSTRUCTION DRAWINGS

EDWARDS AND KELCEY
529 MAIN STREET
BOSTON, MA 02129
E.K. PROJECT NO.: 010083088
ISSUED: 12/15/00



- GENERAL CONSTRUCTION NOTES**
- THE FACILITY IS AN UNOCCUPIED SPECIALIZED MOBILE RADIO FACILITY.
 - PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIAL, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
 - PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON PROJECT MANAGER.
 - THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
 - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
 - ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
 - THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE PROJECT MANAGER AND WITH LANDLORD'S AUTHORIZED REPRESENTATIVE.
 - SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS.
 - PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE LOCAL BUILDING CODES REGARDING EARTHQUAKE, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST BE IN ACCORDANCE WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE SITE AND NOTIFY THE PROJECT MANAGER OF ANY DISCREPANCIES BEFORE STARTING ANY WORK.
 - DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
 - THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER.
 - KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM SPOTS OR SMUDGES OF ANY NATURE.
 - CONTRACTOR TO PROVIDE COMPLETE SET OF AS BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.
 - THE CONTRACTOR SHALL COORDINATE EQUIPMENT AND UTILITY LOCATIONS WITH EXISTING AND FUTURE CARRIERS
 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SAFE WORK ENVIRONMENT IN ACCORDANCE WITH APPLICABLE LAWS, REGULATIONS AND STANDARDS.

- NOTES:**
- LOCATIONS OF STRUCTURES, BUILDINGS, PROPERTY LINES AND ALL EXISTING FEATURES ARE THE RESULT OF A PLANIMETRIC FIELD SURVEY AND ACCURACY IS NOT GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND FOR NOTIFYING THE VERIZON WIRELESS REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - CONTRACTOR TO RETURN EXISTING REMOVED PANEL ANTENNAS, CONNECTORS, ETC. TO VERIZON WIRELESS REPRESENTATIVE.
 - STRUCTURAL CAPACITY OF EXISTING TOWER TO SUPPORT THE PROPOSED ANTENNAS IS NOT INCLUDED IN THIS DESIGN. SUPPORTING DOCUMENTS SHALL BE SUPPLIED BY OTHERS.

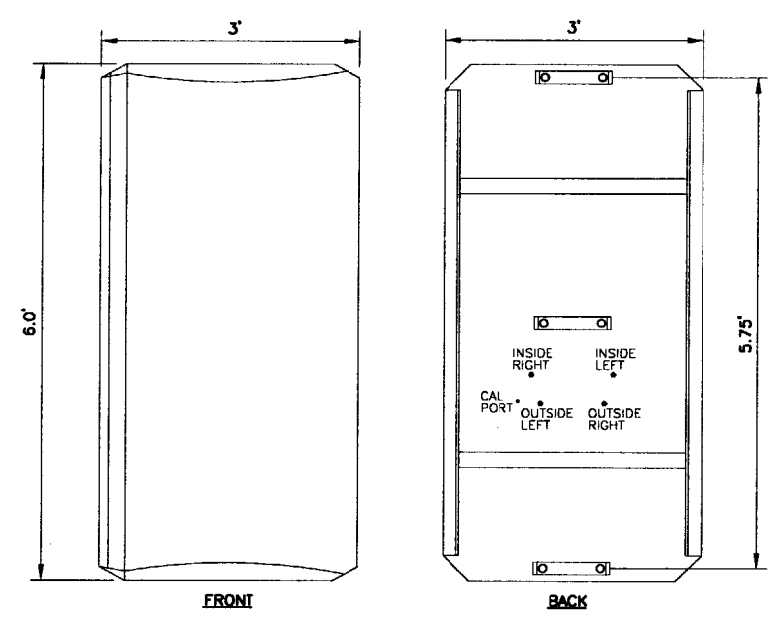
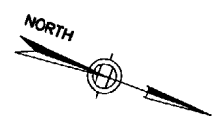
verizon wireless
400 FRIBERG PARKWAY
WESTBOROUGH, MA 01581

Edwards and Kelcey
Professional Engineers
Francis J. Astone
4512
Professional Engineer
State of Maine

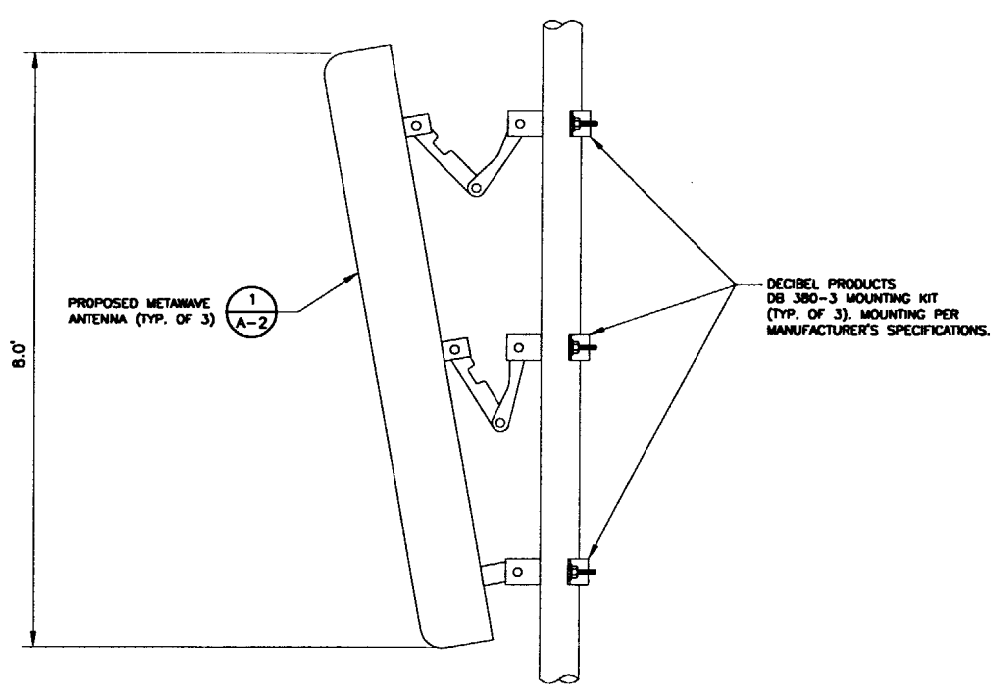
Project Name: PORTLAND NORTH
Search Area: PORTLAND, ME 04103
Address: 220 RIVERSIDE INDUSTRIAL PARKWAY, PORTLAND, ME 04103
Drawing Title: SITE PLAN AND ELEVATION

Revisions		
No.	Description	Date
1	CONSTRUCTION	12/15/00
0	CONSTRUCTION REVIEW	12/11/00

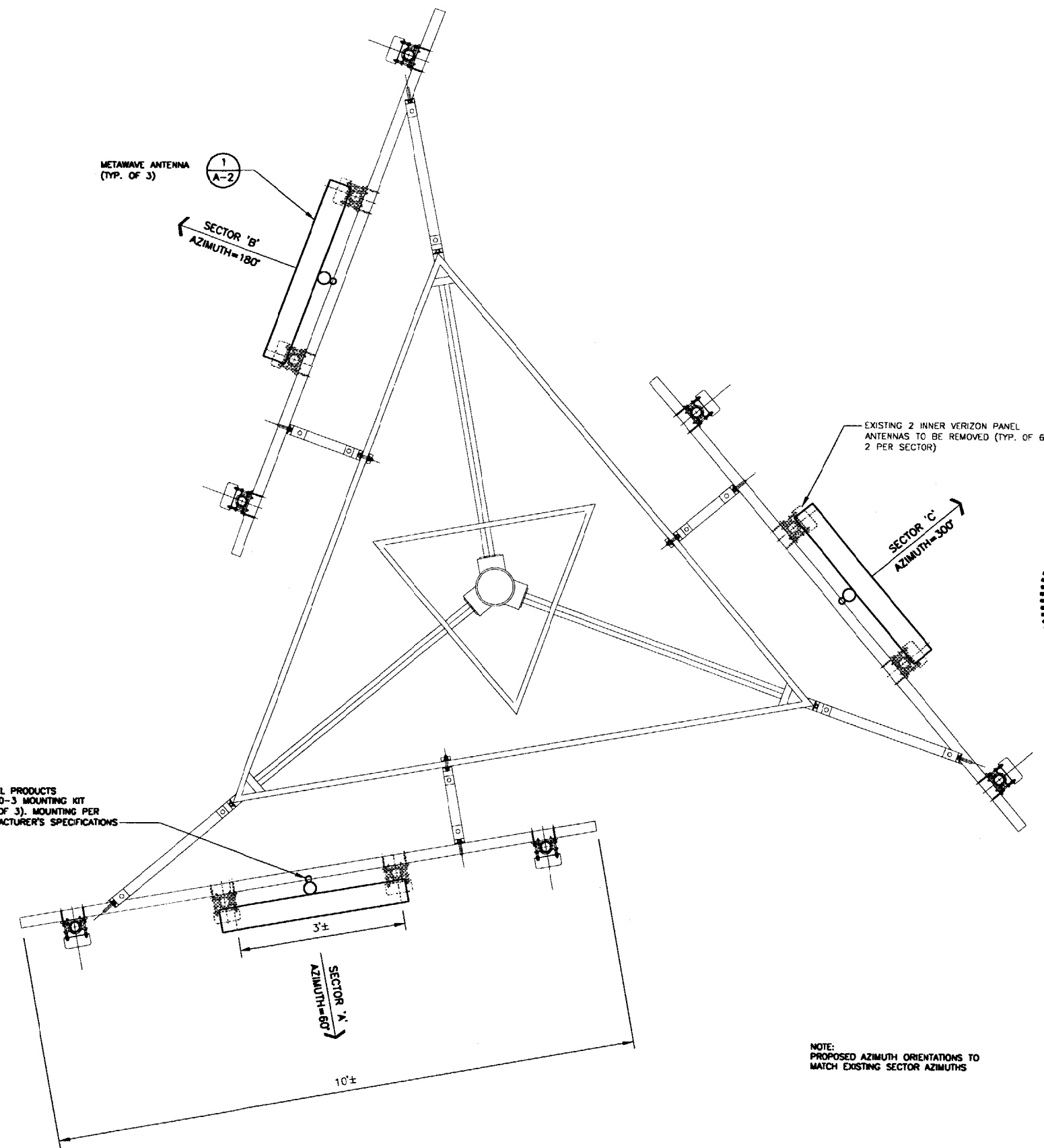
Designed by: A.K. Date: 12/11/00
 Drawn by: S.C. Scale: AS NOTED
 Checked by: K.S. Project No.: 010083088
 Drawing No.: A-1



1 METAWAVE HIGH GAIN ANTENNA
NOT TO SCALE



2 ANTENNA MOUNT DETAIL
NOT TO SCALE



3 TOWER ANTENNA DETAIL
SCALE : 1" = 1'

NOTE:
PROPOSED AZIMUTH ORIENTATIONS TO
MATCH EXISTING SECTOR AZIMUTHS

verizonwireless
400 FRIBERG PARKWAY
WESTBOROUGH, MA 01581

Edwards & Kelley
REGISTERED PROFESSIONAL ENGINEER
STATE OF MAINE
FRANCIS ASTONE
4512
Professional Engineer

Project Name: PORTLAND NORTH
Search Area: PORTLAND, ME 04103
Address: 220 RIVERSIDE INDUSTRIAL PARKWAY, PORTLAND, ME 04103
Drawing Title: DETAILS

Revisions		
No.	Description	Date
1	CONSTRUCTION	12/15/00
0	CONSTRUCTION REVIEW	12/11/00

Designed by: K.S. Date: 12/11/00
Drawn by: S.C. Scale: AS NOTED
Checked by: K.S. Project No.: 010083088

Drawing No.: A-2