



TOWN OF ACTON

BUILDING PERMIT APPLICATION

022686

Date Issued
Received 9/25/09

022686

III. IDENTIFICATION (Type or print clearly)

OWNER: Name Fourth Evangelical Free Church Phone 978-263-0075
 Address 54 Hasmees Street

LESSEE: Name T-Mobile Northeast LLC Phone 774-289-9497
 Address 15 Commerce Way Norton MA 02760

CONTRACTOR: Name Alan Lane Phone _____
 Address 245 Drakeville Supervisor's License # _____ Home Improvement License # _____

ENGINEER: Name James M. Fitzgerald Civil Engineer Phone (508) 481-7400
 Address 201 Boston Post Rd West Suite 301 Marlborough MA 01752

I. LOCATION OF PROJECT

At (location) 54 Hasmees Street Zoning District _____
 Applicant T-Mobile Northeast LLC (No) (Street) Phone 774-289-9497
 Lot Description: Parcel G4 Plate 128 Latest Recorded Plan: Book 12096 Page 0034

II. TYPE AND USE OF BUILDINGS

A. TYPE OF IMPROVEMENT <input type="checkbox"/> New Building <input type="checkbox"/> Addition <input checked="" type="checkbox"/> Alteration <input type="checkbox"/> Repair, Replacement <input type="checkbox"/> Wrecking, Demolition <input type="checkbox"/> Moving, Relocation <input type="checkbox"/> Swimming Pool <input type="checkbox"/> Sign <input checked="" type="checkbox"/> Other (Specify) <u>Installation of telecommunication's equipment without the church steeple</u> <u>Installation of ground equipment & wires without a pre-erected shelter.</u>	COMMERCIAL ONLY B. TYPE OF CONSTRUCTION (Section 401 Mass. State Bldg. Code) <u>Commercial</u>	C. FLOOR AREA (based on Exterior Dimensions in square feet) Basement, (Unfinished) <u>N/A</u> Basement, (Finished) <u>N/A</u> First Floor <u>N/A</u> Second Floor <u>N/A</u> Third Floor <u>N/A</u> Garage <u>N/A</u> Porch/Deck <u>N/A</u> Other (Specify) <u>interior of church steeple + 137.7" of ground space enclosed.</u>
	USE GROUP CLASSIFICATION (Section 301 Mass. State Bldg. Code)	D. RESIDENTIAL BUILDINGS ONLY Number of Existing _____ Bedrooms Proposed _____ Number of Existing _____ Bathrooms Proposed _____

E. DESCRIBE PROPOSED USE OF STRUCTURE OR BUILDING IN DETAIL & ESTIMATED COST ()

DEPARTMENT APPROVALS:

	Approved	Disapproved	Not Applicable
ENGINEERING DEPARTMENT:			
Street Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Street Cut	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Plate & Parcel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Flood Plain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Other <u>Ac 9/22/09</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
PLANNING BOARD:			
Lot Release (date _____)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Bond Posted (date _____)	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
ANR Plan	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Special Permit	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
CONSERVATION COMMISSION:			
Wetlands <u>Dr 9.25.09</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
Other _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>
HEALTH DEPARTMENT:			
<u>SB 10/21/09</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>N/A</u>

\$35,000.

IV. READ BEFORE SIGNING

The undersigned hereby certifies that he/she has read and examined this application and that the proposed work, subject to provisions of the Massachusetts State Building Code and other applicable laws and ordinances, is accurately represented in the statements made in this application and that the work shall be carried out in accordance with the forgoing statements and in compliance with the provisions of law and ordinances in effect on the date of this application.

Please type or print clearly:

T-Mobile Northeast LLC / Terri Fewersanger Agent for T-Mobile
 Name of Applicant Company Name Northeast LLC

J. Cummings / Agent for T-Mobile Northeast LLC
 Signature of Applicant Address 15 Commerce Way Norton MA 02760

If application is made by other than the owner, complete the following:
 I hereby certify that the proposed work is authorized by the owner of record and I have been authorized by the owner to make this application as his authorized agent.
J. Cummings / Agent for T-Mobile Northeast LLC Signature of Agent
Francis Akonutto Signature of Owner

DO NOT WRITE BELOW THIS LINE

Application received by _____ Date 10/2/09

Street Cut Bond posted N/A State Building Code Approval 100%

Zoning Approval _____

- EXCEEDING MAXIMUM PERMITTED HEIGHT REQUIREMENTS AS PERMITTED UNDER 1976 BOARD OF APPEALS VARIANCE (MAY 27/2006)

	FEE	Sq. Ft.	Rate
BSMT (U)	x	=	
BSMT (F)	x	=	
A.L.S.	x	=	
GAR.	x	=	
OTHER	x	=	
BUILDING PERMIT APPROVED AND ISSUED BY: <u>Francis Akonutto</u>	SUB-TOTAL <u>420</u>		
Building Commissioner	PLANS <u>10</u> x \$4.00 = <u>40</u>	TOTAL = <u>460.00</u>	

\$17.00 per thousand
 35,000 estimated cost of work
 - note on p. 6.

*See attached
We have comp affidavit*

The Commonwealth of Massachusetts
Department of Industrial Accidents
Office of Investigations
www.mass.gov/dia
600 Washington Street
Boston, MA 02111

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers



TOWN OF ACTON

BUILDING PERMIT APPLICATION

TOWN OF ACTON
INFORMATION AND INSTRUCTIONS:

Applicant Information: Please Print Legibly

Name (Business/Organization/Individual): FRANK RAMSBOTTOM TRM 978 South High St
Address: 30 Hymen Street Suite 12 Columbus OH 43206
City/State/Zip: Worthington MA Phone #: 614-848-3000

Are you an employer? Check the appropriate box:		Type of project (required):
1. <input type="checkbox"/> I am an employer with _____ employees (full and/or part-time).*	4. <input type="checkbox"/> I am a general contractor and I have hired the sub-contractors listed on the attached sheet. † These sub-contractors have Workers' comp. insurance.	6. <input type="checkbox"/> New construction
2. <input type="checkbox"/> I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]	5. <input type="checkbox"/> We are a corporation and its officers have exercised their right of exemption per MGL c. 152, § 1 (4), and we have no employees. [No workers' comp insurance required.]†	7. <input type="checkbox"/> Remodeling
3. <input type="checkbox"/> I am a homeowner doing all work myself. [No workers' comp. insurance required.]†		8. <input type="checkbox"/> Demolition
		9. <input type="checkbox"/> Building addition
		10. <input type="checkbox"/> Electrical repairs or additions
		11. <input type="checkbox"/> Plumbing repairs or additions
		12. <input type="checkbox"/> Roof repairs
		13. <input type="checkbox"/> Other _____

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information:
† Homeowners who submit this affidavit indicating that are doing all work and then hire outside contractors must submit a new affidavit indicating such.
‡ Contractors that check this box must attached an additional sheet showing the name of the sub-contractors and their workers' comp. policy information.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.
Insurance Company Name: Eastmanet Agency of Ohio American International Group
Policy # or Self-ins. License # _____ Expiration Date: _____
Job Site Address: 54 Hymen Street City/State/Zip: Acton MA

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).
Failure to secure coverage as required under Section 25 A of MGL 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one year imprisonment as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 day against the violator. Be advised that a copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.
Signature _____ Date _____

Phone # _____

Official use only Do not write in this area, to be completed by city or town official

City or town: TOWN OF ACTON Permit/License #: _____

Issuing Authority (circle one):
1. Building Department 2. Electrical Inspector 3. Plumbing Inspector

Contact Person: FRANK RAMSBOTTOM Phone #: 978-264-9632

1. WHEN REQUIRED: A building permit is required whenever a project includes construction, reconstruction, alteration, repair, removal or demolition of a structure; change of use or occupancy of a building or a structure; or installation or alteration of any equipment that is regulated by the Commonwealth of Massachusetts State Building Code.
2. PENALTY: Failure to obtain a building permit or starting work before a permit is issued may result in increased permit fees, fines up to \$1000 per day, imprisonment or any or all of the foregoing.
3. APPLICATION: Application must be made by the owner or his/her authorized agent. Forms must be thoroughly and accurately completed. Accuracy and completeness will directly effect the time required to process the application through the Engineering, Planning, Conservation, Health and Building Departments. The State Building Code provides that the Building Department shall review a building permit application within thirty (30) days after filing. For purposes of this section, the permit is not considered to have been filed until other departments have approved it and it is returned to the Building Department for zoning and building code review.
4. PLANS AND SPECIFICATIONS: Every application must be accompanied by two (2) copies of specifications and plans drawn to scale, with sufficient clarity, detail and dimensions to show the nature and character of the work to be performed. This information will be thoroughly reviewed to determine code compliance. Again, the degree of completeness and accuracy will have a direct bearing on the time required for review and approval.

Plans should include but not be limited to:

- A. A scale plan of the lot, drawn and stamped by a registered land surveyor. This plan should show dimensions of the lot, locations and dimensions of all existing and proposed structures, easements, septic systems, location of any Flood Plain on the lot, etc.
- B. Foundation plan with anchor bolt locations and clearly showing a minimum four (4) foot depth to bottom of all footings.
- C. Structural, mechanical and electrical plans in sufficient detail to determine code compliance. (Include exterior building envelope component materials with U-values, R-values, heat loss information. HVAC sizing, etc. for energy code compliance.) Any changes or modifications to the approved plans must be submitted in writing for the Building Commissioner's approval.

5. STAMPED PLANS: Plans and specifications for any building containing more than 35,000 cubic feet of enclosed space must be stamped and signed by a qualified registered professional engineer or architect.
6. POSTING PERMIT: The building permit must be posted at the site in clear view and protected from the weather at all times until the Certificate of Use and Occupancy is issued.
7. OCCUPANCY: Upon completion of the work and prior to occupancy a Certificate of Occupancy form must be obtained from the Building Department and all applicable signatures affixed prior to final inspection and sign-off by the Building Inspector.
8. EXPIRATION: A building permit expired if the work authorized is not started within six (6) months of issuance and continued through, in good faith, to completion.
9. GENERAL: The building permit will indicate specific points in the construction process at which inspections must be made. No work should proceed until each of these phases has been inspected and signed off by the appropriate inspector. It is the applicant's responsibility to notify each inspector at least 24 hours in advance of each required inspection. At the rough inspection the electrical, plumbing and fire department approvals must be obtained prior to seeking approval of the building inspector.
10. If you require any additional information please contact the Building Department at 264-9632 between the hours of 8:00 - 5:00. We look forward to assisting you with your project.
11. Permit fees are not reimbursable, not transferable, nor does payment guarantee issuance of a Building Permit.

OWNER AUTHORIZATION AGREEMENT

022686

Market: New England
Site Number: 4BN1188A
Site Name: Faith Evangelical Free Church Steeple
Site Address: 54 Hosmer St
Acton MA 01726

RE: Property described as: 54 Hosmer Street, Acton MA, (the "Property")

Faith Evangelical Free Church, is the owner of the Property (the "Owner") and has the authority to enter into a lease agreement with Omnipoint Communications, Inc. ("T-Mobile") concerning the portion of the Property that T-Mobile seeks to occupy.

Owner hereby grants T-Mobile and its agents a revocable right to enter the Property to perform any reasonable tests that T-Mobile deems desirable to determine the feasibility of constructing and operating its communications facility upon the Property, including but not limited to 1) radio frequency testing; 2) soils, environmental testing for hazardous materials and environmental testing for the presence of lead-based paint and asbestos containing materials; 3) on-site feasibility assessment including structural investigations, electrical load studies, and temporary construction of mock-ups for visual impact assessment; and 4) filing of zoning applications and building permit applications (the "Access Right").

Owner may revoke the Access Right at any time by delivering written notice to T-Mobile by certified mail, return receipt requested, at the following address:

Omnipoint Communications, Inc.
15 Commerce Way
Norton, MA 02766
Attn: Leasing Administrator

This notice will be effective three (3) days after actual receipt by T-Mobile, provided, however, that T-Mobile may still enter the Property to remove any equipment it has placed there.

Owner further agrees to cooperate with T-Mobile in obtaining, at T-Mobile's expense, all licenses and permits or authorizations required for T-Mobile's use of the Property from all applicable government and/or regulatory entities (including, without limitation, zoning and land use authorities, Federal Communications Commission and the Federal Aviation Administration) including appointing T-Mobile as agent for all land use and zoning permit applications, and Owner agrees to cooperate with and to allow T-Mobile, at no cost to Owner, to obtain a title report, zoning approvals, variances, land-use permits and building permits.

T-Mobile agrees to repair any damage to Property caused by T-Mobile's use of the Access Right. T-Mobile further agrees to indemnify, defend and hold Owner harmless from and against any and all damages, losses and expenses arising out of or resulting from any claim, action or other proceeding that is based upon any negligent act or omission or willful misconduct of T-Mobile or its employees or agents, arising in connection with the Access Right. Owner agrees that T-Mobile will not be liable or responsible for any and all conditions existing at or on the Property prior to T-Mobile's entry onto and use of the Property for the feasibility studies and other testing as granted by the Access Right.

EACH PARTY ACKNOWLEDGES THAT THE OTHER HAS MADE NO REPRESENTATIONS OR COMMITMENTS THAT A LEASE AGREEMENT CONCERNING THE PROPERTY WILL BE ENTERED INTO IN THE FUTURE.

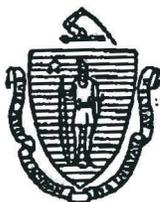
OMNIPOINT COMMUNICATIONS, INC.

Faith Evangelical Free Church, Authorized Signatory

By: [Signature]
Name: MARK A. APPAL
Its: AREA DIRECTOR

By: [Signature]
Name: Peter Hanson
Its: Elder Chairman
6/9/2009

022686



The Commonwealth of Massachusetts
Department of Industrial Accidents
Office of Investigations
600 Washington Street
Boston, MA 02111
www.mass.gov/dia

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers
Applicant Information Please Print Legibly

Name (Business/Organization/Individual): Tower Resource Management Inc.

Address: 979 S. High Street

City/State/Zip: Columbus, OH 43206 Phone #: 614-443-9863

Are you an employer? Check the appropriate box:

- 1. I am an employer with 31 employees (full and/or part-time).*
- 2. I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]
- 3. I am a homeowner doing all work myself. [No workers' comp. insurance required.]†
- 4. I am a general contractor and I have hired the sub-contractors listed on the attached sheet. ‡ These sub-contractors have workers' comp. insurance.
- 5. We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]

Type of project (required):

- 6. New construction
- 7. Remodeling
- 8. Demolition
- 9. Building addition
- 10. Electrical repairs or additions
- 11. Plumbing repairs or additions
- 12. Roof repairs
- 13. Other

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.

† Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.

‡ Contractors that check this box must attach an additional sheet showing the names of the sub-contractors and their workers' comp. policy information.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.

Insurance Company Name: American International Group/National Union Fire Ins. Co.

Policy # or Self-ins. Lic. #: WC 003429242 Expiration Date: 3-1-10

Job Site Address: 472 Main St. City/State/Zip: Acton, MA 01720

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date).

Failure to secure coverage as required under Section 25A of MGL c. 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. Be advised that a copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct

Signature: [Signature] Date: 9/22/09

Phone #: 614-443-9862

Official use only. Do not write in this area, to be completed by city or town official.

City or Town: _____ Permit/License # _____

Issuing Authority (circle one):

- 1. Board of Health
- 2. Building Department
- 3. City/Town Clerk
- 4. Electrical Inspector
- 5. Plumbing Inspector
- 6. Other _____

Contact Person: _____ Phone #: _____

Appendix 1

022686

For the demolition of structures the building code requires action on service connections.

780 CMR 112.0 DEMOLITION OF STRUCTURES

112.1 Service Connections. Before a building or structure is demolished or removed, the owner or agent shall notify all utilities having service connections within the structure such as water, electric, gas, sewer and other connections. A permit to demolish or remove a building or structure shall not be issued until a release is obtained from the utilities, stating that their respective service connections and appurtenant equipment, such as meters and regulators, have been removed or sealed and plugged in a safe manner. All debris shall be disposed of in accordance with 780 CMR 111.5.

Please fill in the information below and submit this appendix with the building permit application. The building permit applicant attests under the pains and penalties of perjury that the following is true and accurate.

Property Location (Please indicate Block # and Lot # for locations for which a street address is not available)

No. and Street	City /Town	Zip	Name of Building (if applicable)
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For the above described property the following action was taken:

Water Shut Off?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Provider notified and Release obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Gas Shut Off?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Provider notified and Release obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Electricity Shut Off?	Yes <input type="checkbox"/> No <input type="checkbox"/>	Provider notified and Release obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/>
_____	Yes <input type="checkbox"/> No <input type="checkbox"/>	Provider notified and Release obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Other (if applicable)	Yes <input type="checkbox"/> No <input type="checkbox"/>	Provider notified and Release obtained?	Yes <input type="checkbox"/> No <input type="checkbox"/>
_____		Other (if applicable)	

September 29, 2009

To whom it may concern:

Please be advised, Peter Hanson, Finance Chairperson for Faith Evangelical Free Church, and David Provost, Trustee for the Faith Evangelical Free Church authorize Terri Feuersanger of Tower Resource Management to file a Building Permit with the Town of Acton's Building Department on behalf of T-Mobile Northeast LLC, for the purposes of installing its telecommunication antennas and associated ground wires and equipment on the church property located at 54 Hosmer Street, Acton MA 01720.



Peter Hanson

Title: Finance Chairperson

Date: 9/30/09



David Provost

Title: Trustee

Date: 30-SEP-2009

September 23, 2009

Town Of Acton
Building Department
54 Hosmer Street
Acton, MA 01720

RE: Building Permit Application for 54 Hosmer Street MA

Dear Sir:

On behalf of T-mobile Northeast LLC., I am pleased to present this application to the Building Department. T-mobile, Northeast LLC seeks to install three (3) telecommunication antennas within an existing church steeple located at 54 Hosmer Street, The Faith Evangelical Free Church. T-mobile Northeast LLC, seeks to install its associated ground wires and equipment within an enclosed 137.7 square foot of space located at the rear of the building.

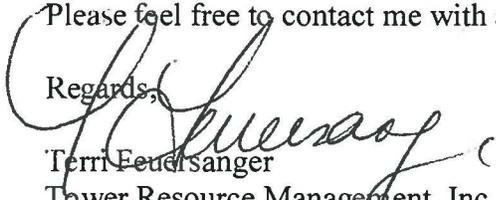
Plans and Specifications are depicted in the Registered Engineers Signed and Stamped Construction Drawings included herewith.

Please find attached to this letter:

Application for Building Permit
Building Permit fee of \$460.00
Owners Authorization Agreement
Contractor Supervisors License
Workers Compensation Affidavit
Certificate of Insurance
Structural Report
Signed and Stamped Construction Drawings prepared by a Registered Engineer

Please feel free to contact me with any questions you may have regarding the application.

Regards,



Terri Feuchtsanger
Tower Resource Management, Inc.
30 Lyman Street, Suite #12
Westborough, MA 01581
774-289-9297



022686

TOWN OF ACTON

472 Main Street
Acton, Massachusetts 01720
Telephone (978) 264-9636
Fax (978) 264-9630
planning@acton-ma.gov

Planning Department

INTERDEPARTMENTAL COMMUNICATION

To: Town of Acton Building Department/Applicant

Date: October 20, 2009

From: Scott A. Mutch, Zoning Enforcement Officer & Assistant Town Planner

Subject: 54 Hosmer Street – Installation of New Telecommunication Equipment

Dear Applicant,

The Planning Department has reviewed your submitted building permit application and has the following comments.

- The subject building permit is requesting to remove an existing church steeple and replace it with a new steeple within which will be new telecommunication equipment. Section 5.3.5.1 of the Town of Acton's Zoning Bylaw permits appurtenant structures located on the roof of a building to extend above the maximum permitted height limit, but in no case shall they exceed 45 feet in height when combined with the height of the building. The Structural Evaluation Report along with the other documents submitted as part of the building permit application, indicate a total overall height of 55'-10" +/- A.G.L. The identified finished top height of the steeple at 55'-10" is in excess of the maximum permitted height of 45'-0". Please revise the drawings and resubmit for further staff review.

If you have any further comments, questions or concerns regarding this matter or any other, please feel free to contact our office at (978) 264-9636, Monday through Friday (except holidays) between the hours of 8:00 am and 5:00 pm.

Sincerely,

Scott A. Mutch
Zoning Enforcement Officer
Planning Department

MASSACHUSETTS
BOARD OF APPEALS

You are hereby notified that after a hearing held on

May 17, 1976

the

Board of Appeals of the Town of Acton voted unanimously to grant
a special permit to install a prefabricated steeple on the Faith
Evangelical Chapel at #4 Mosser Street, Acton.

022686

A copy of the proceedings of the vote is on file in the
office of the Town Clerk, to which reference may be had.

BOARD OF APPEALS

By

Edward G. Schwarm,

Clerk

DECISION ON PETITION OF FAITH EVANGELICAL CHAPEL

A public hearing of the Acton Board of Appeals was held at the Acton Town Hall on Monday, May 17, 1976 at 8:00 P.M. on the petition of Faith Evangelical Chapel, 54 Hosmer Street, Acton, for a variance from the requirements of the Protective Zoning Bylaw to allow a steeple to be placed on the new church at 54 Hosmer St., Acton.

Members of the Board of Appeals present were H. W. Flood, Chairman, Edward G. Schwarn, Clerk and Herman Vanderwart. Also present were members of the church congregation, abutters and interested citizens.

The Board of Appeals, after reviewing the information developed at the public hearing, finds that:

1. The petitioner, as a result of advice from the Building Inspector in a letter dated April 12, 1976, applied for a variance. The action properly comes under paragraph VB of the Protective Zoning Bylaw which requires a special permit for structures with a height in excess of 44 feet if the structure is not used for home occupancy and does not occupy more than 20% of the roof plan area.
2. The proposed steeple will not be detrimental to the neighborhood.
3. The proposed steeple is in keeping with the building's use as a house of worship and is a traditional symbol for a church, especially in colonial New England.

As a result of the above findings, the Board of Appeals voted unanimously to grant a special permit to install a prefabricated steeple on the Faith Evangelical Chapel building at 54 Hosmer Street as shown in the elevation drawing dated September 4, 1975 by Allan A. Berkowitz, A.I.A., Architect-Planner, 1026 Serpentine Lane, Wyncote, Pennsylvania 19095 for Church Builders Associates subject to the following conditions and restrictions:

1. The work shall be completed by November 1, 1976.
2. This permit serves only to provide relief from the height regulations in paragraph VB (Intensity Regulation Schedule District and Uses) and the installation of the steeple shall conform to the applicable rules and regulations of other agencies having jurisdiction.

BOARD OF APPEALS
TOWN OF ACTON

022686

H. W. Flood
H. W. Flood, Chairman

Edward G. Schwarn
Edward G. Schwarn, Clerk

Herman Vanderwart
Herman Vanderwart, Member

TOWN OF ACTON
Inter-Departmental Communication

DATE: May 10, 1976

FROM: Planning Board

TO: Board of Appeals

022686

SUBJECT: Petition of Faith Evangelical Church for a variance to allow
a steeple on the church

The Planning Board recommends granting the variance as requested. The requested relief allowing the church steeple to exceed the maximum height restriction will not be detrimental to the public good. While the steeple clearly exceeds the height limitation, the intent of the limitation is to prevent structures which can not be serviced by existing fire equipment (removing people by ladder, primarily) and structures which constitute a public nuisance. We believe allowing the steeple would not substantially derogate from this intent.



William Becklean
Chairman, Planning Board

WB/md

022686

STRUCTURAL EVALUATION REPORT

**FAITH EVANGELICAL FREE CHURCH
54 HOSMER STREET
ACTON, MA**

**Chappell Engineering Associates, LLC
201 BOSTON POST ROAD WEST
MARLBOROUGH, MASSACHUSETTS 01752**

SUBMITTED TO:

T-MOBILE NORTHEAST, LLC

13 AUGUST 2009

Chappell Engineering Associates, LLC

13 August 2009

022686

Bryan Bakis
T-Mobile Northeast, LLC
A Delaware Limited Liability
15 Commerce Way, Suite B
Norton, MA 02766

Reference: Faith Evangelical Free Church
54 Hosmer Street
Acton, MA 01720

Dear Mr. Bakis:

Chappell Engineering Associates, LLC has reviewed the proposed installation of a T-Mobile telecommunications facility at the above referenced location. Based on our review of the loads and the available drawings, we feel the structure has adequate capacity to accommodate the installation as proposed. This assertion is based on the assumption the original design and construction was performed in accordance with all applicable state and local building codes, conditions, and ASTM standard of material testing.

If you have any questions, please do not hesitate to contact our office.

Very truly yours,

CHAPPELL ENGINEERING ASSOCIATES, LLC

David A. Chappell

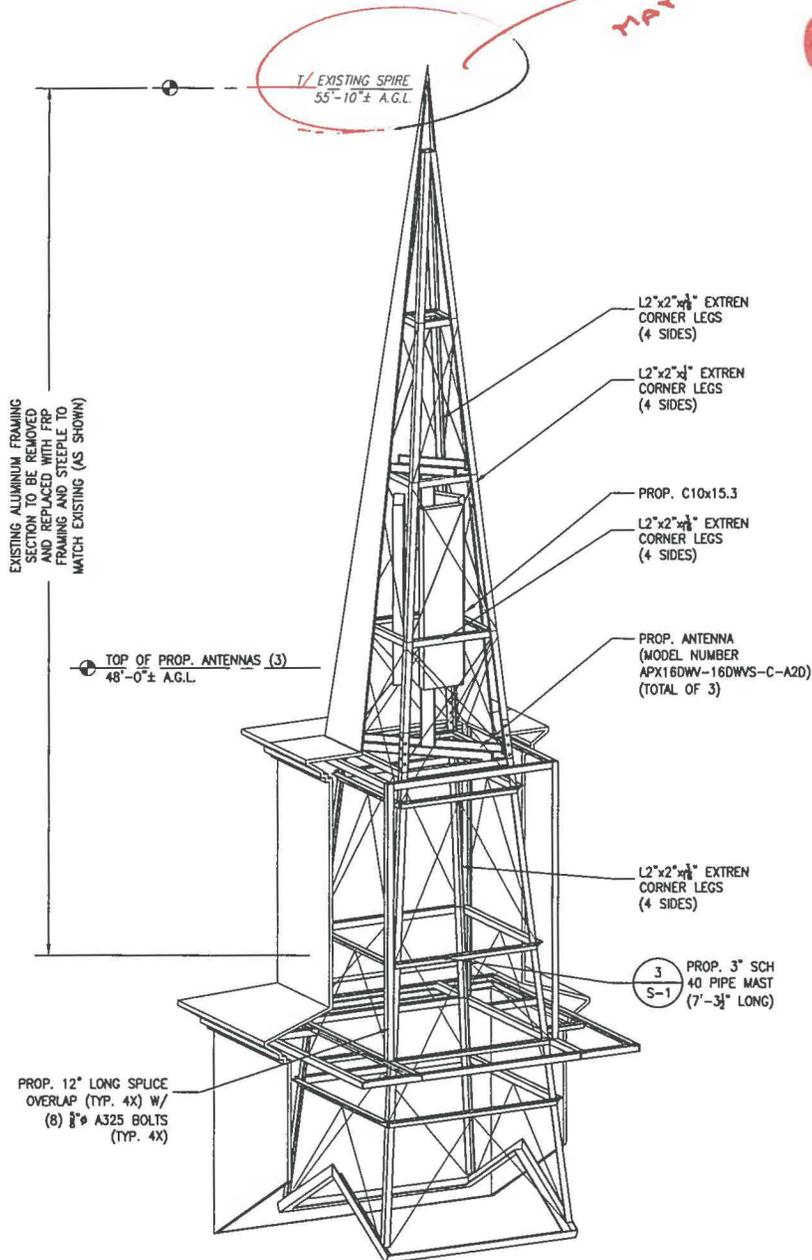
David A. Chappell, P.E.
President

JMF/jmf



*HEIGHT OK AS PER
 MAY 17/2016 BOP VARIANCE*

022686

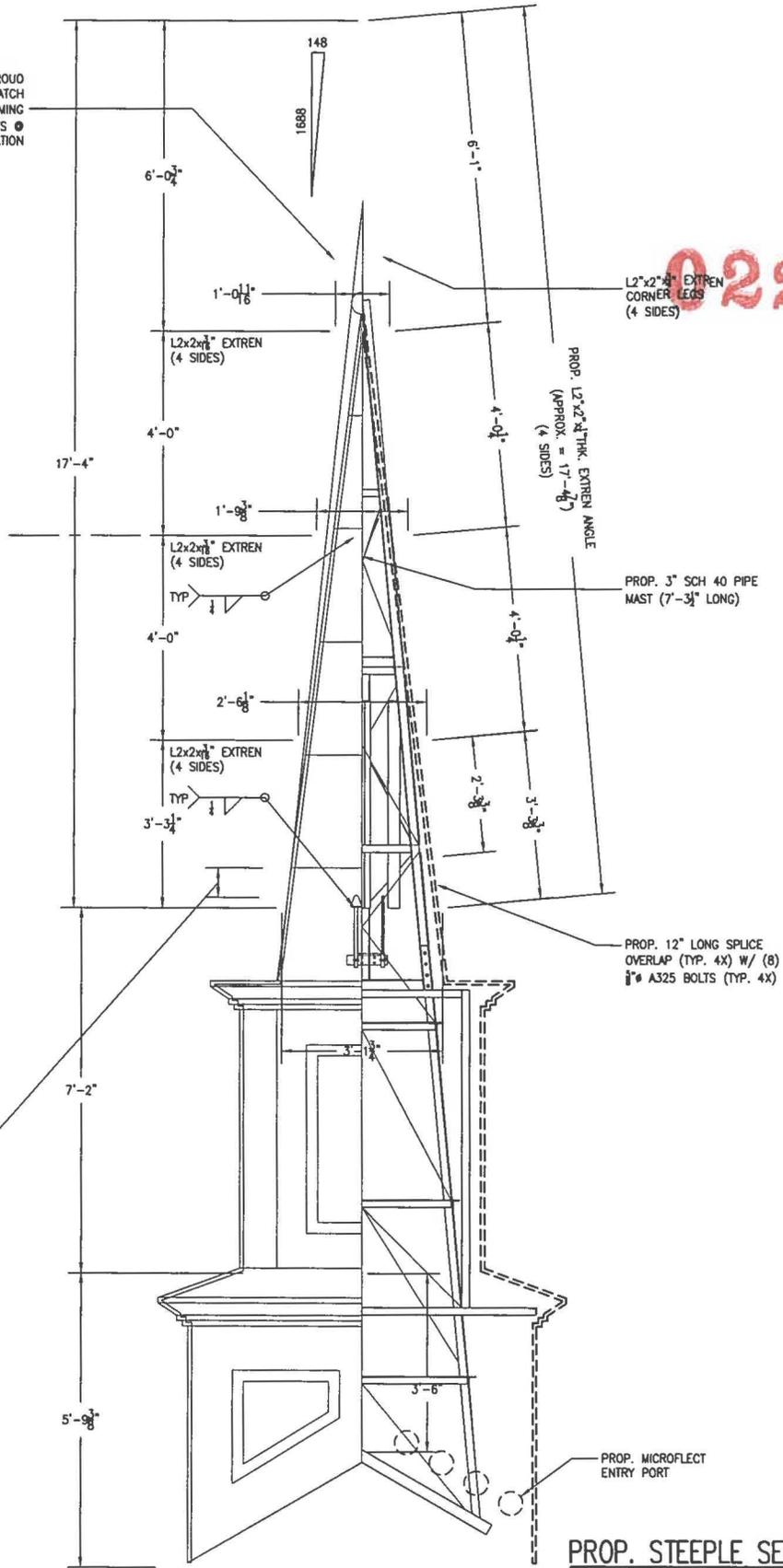


PROP. STEEPLE ASSEMBLY

SCALE: N.T.S.

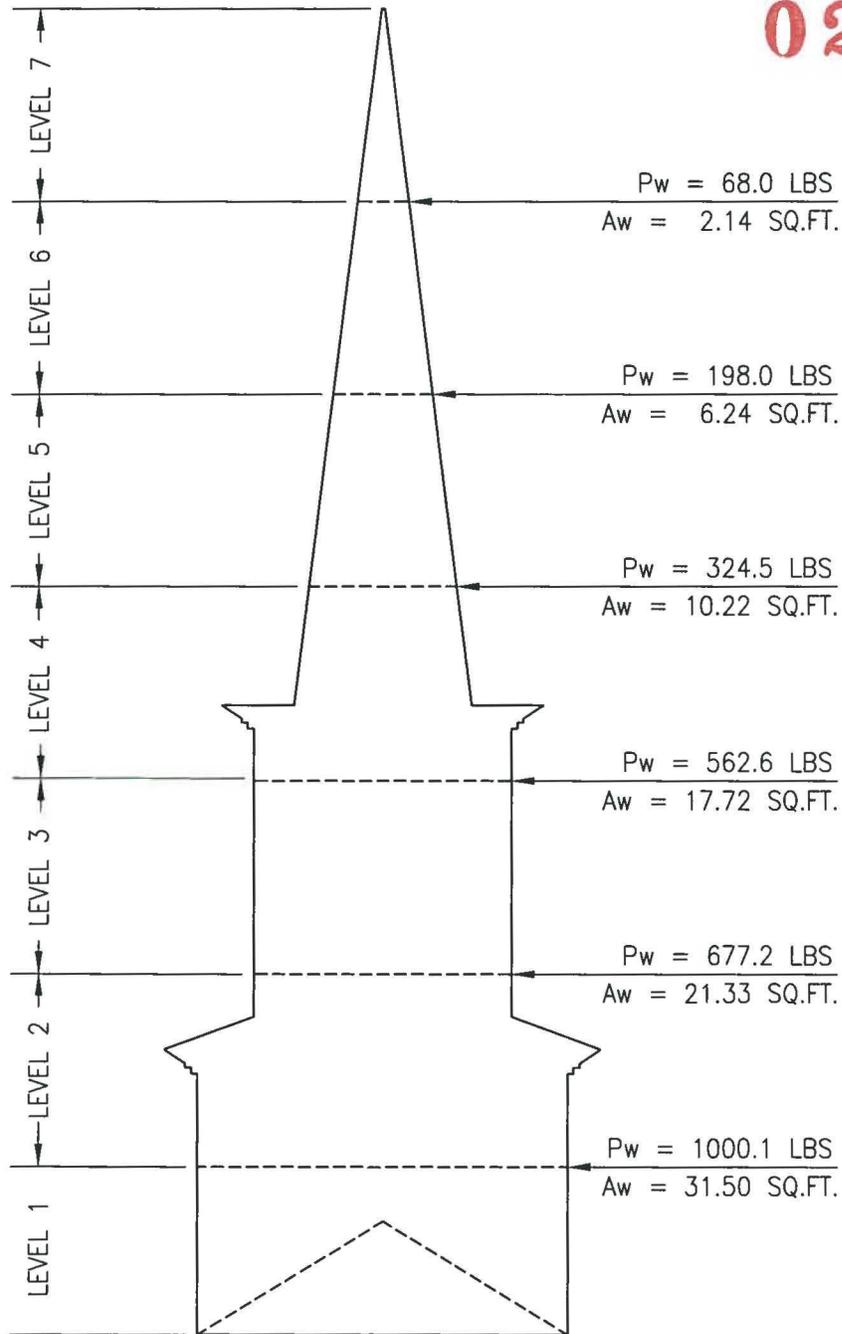
1
S-1

PROP. 1/2" THK. FIBERGLASS SHROUD
 (PAINT AND TEXTURE TO MATCH
 EXISTING SPIRE). FASTEN TO FRAMING
 SKELETON WITH (8) 3/8" FIBERBOLTS @
 OVER LAP AND PANEL TERMINATION



PROP. STEEPLE SECTION
 SCALE: N.T.S.

022686



Wind Load:

$A_w = AS\text{-SHOWN}$

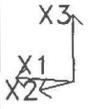
$K_z = 1.1$

$Q_z = .00256K_z V^2 = 25.40 \text{ \#/ft}^2$

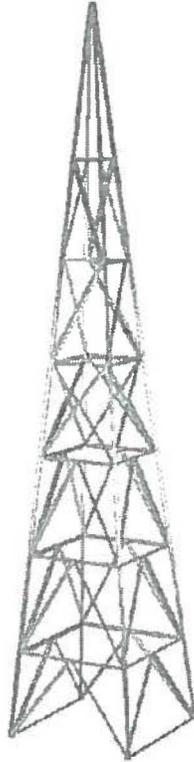
$P_w = Q_z * A_w * G_h = AS\text{-SHOWN}$

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Rendering



DATE: 9/ 9/09



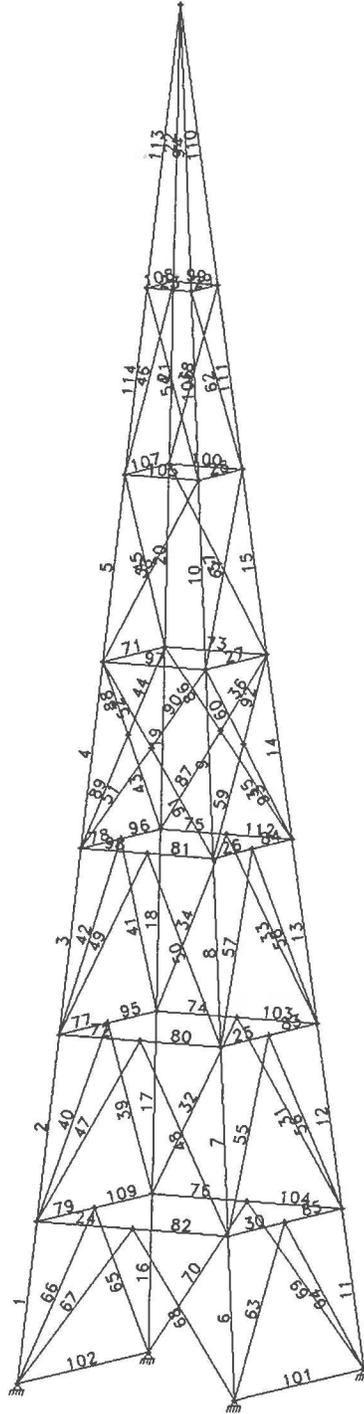
022686

Beam Numbers

X3
X1
X2

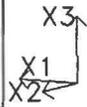
SCALE = 1:49

DATE: 9/ 9/09



022686

Reactions

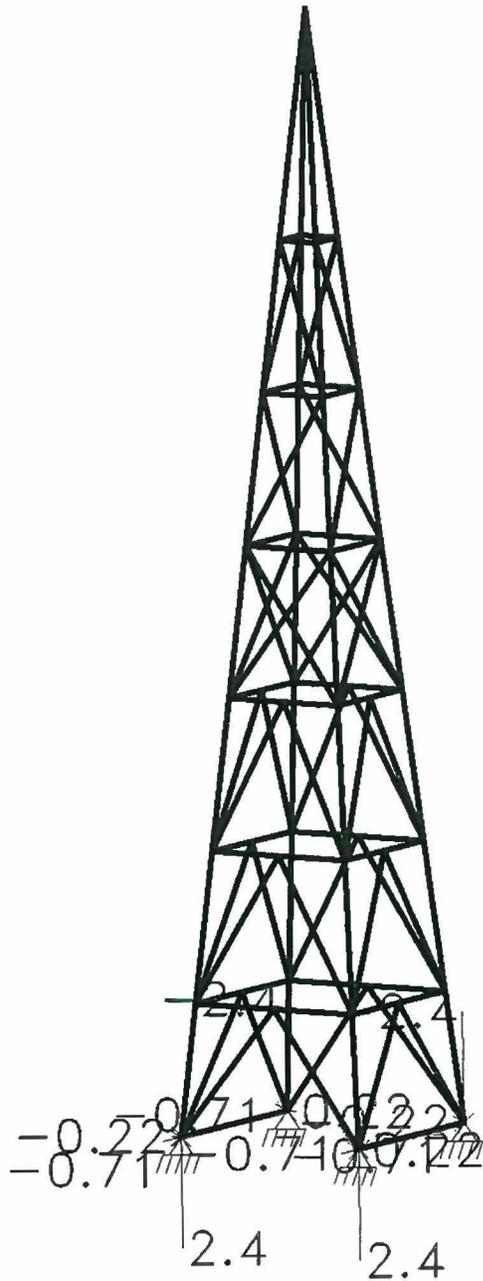


SCALE = 1:60

UNITS: kip

DATE: 9/ 9/09

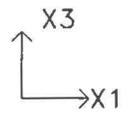
022686



REACTIONS

LOADS ENVELOPE

Axial Forces

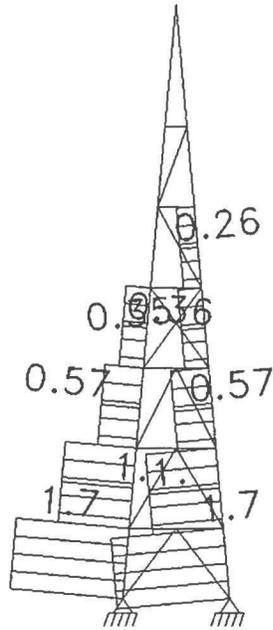


SCALE = 1:115

UNITS: kip

DATE: 9/ 9/09

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AXIAL FORCE

LOADS ENVELOPE

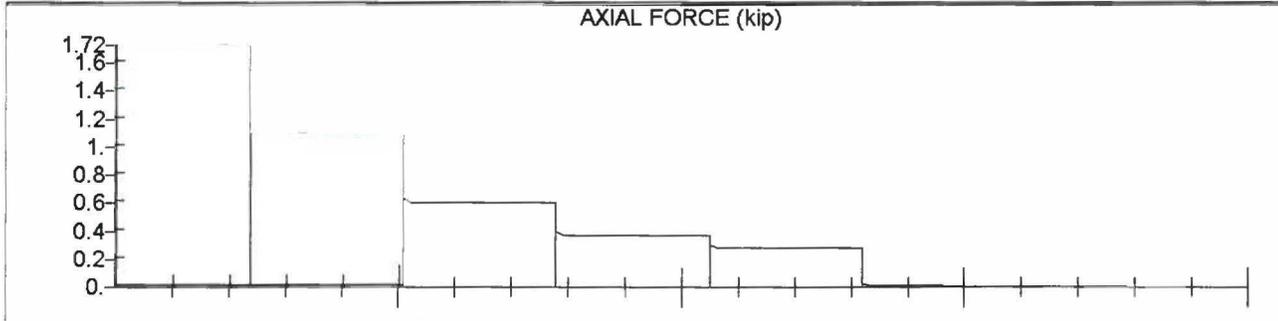
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Axial Forces
Prepared by:

Page: 1
Date: 9/ 9/09

RESULTS FOR BEAM NO. 1 - 113 L=29.806

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COMBINATIONS ENVELOPE



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ANSI/TIA-EIA-222

Structural Standards for Steel Antenna towers
 and Antenna Supporting Structures

Wind Load Design Worksheet:

Description: This worksheet calculates wind load based on TIA-EIA-222 given the design input values below.

Design Assumptions: (User to input values in fields below)

Z (Above Ground Level)	=	46	ft
Height of Projection Area	=	28.00	ft
Width of Projection Area	=	2.60	ft
Agf (Projected Area of Gross)	=	112.5	sq. ft.
Basic Wind Speed	=	95	mph
Gust Response Factor (G _r)	=	other	Enter Lattice, Pole, or other

Table Values:

G _r =	1.25	Gust Effect Factor (Section 2.3.4)
C _f =	0.0	Force Coefficient on flat surfaces
C _a =	0.0	Force Coefficient on appurtenance surfaces
A _e =	0.0	Projected area of structural components
A _a =	0.0	Projected area of appurtenances
K _d =	0.0	Wind Direction Factor

Wind Load Calculations:

$$K_z = [z/33]^{(2/7)} = 1.1$$

$$q_z = 0.0256 \cdot K_z \cdot V^2 = \underline{\underline{25.40}} \text{ psf}$$

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Check Local Buckling:

$K_c = 5.1$ [Table 6- Design of Aluminum Structural Members]

$K_p \frac{b}{t} = 5.1 \frac{2 - 1.4}{1/4} = 35.7 \geq C_p = 127.0$

$B_p = 18.4$ [Table 4- Design of Aluminum Structural Members]

$C_p = 127.0$ [Table 4- Design of Aluminum Structural Members]

$D_p = 0.1$ [Table 4- Design of Aluminum Structural Members]

Therefore: Use EQ. 7 - [Design of Aluminum Structural Members]

$F_p = B_p - \frac{D_p * K_c * b}{t} = 14.97 \text{ ksi}$

$\frac{F_p}{1.95} = 7.68 \text{ ksi} > \frac{P_{max}}{A} = 1.834 \text{ ksi}$

(Allowable Stress) (Actual Stress)

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TOWN OF ACTON
Health Department
472 Main Street
Acton, Massachusetts, 01720
Telephone (978) 264-9634
Fax (978) 264-9630

September 29, 2009

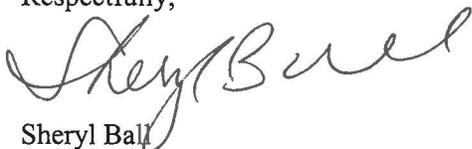
Terri Feuersanger
Tower Resource Management, Inc.
30 Lyman Street – Suite #12
Westborough, MA 01581

Re: Building Permit Application

The Health Department has reviewed the building application for the proposed cell tower for the property located at 54 Hosmer Street. Enclosed please find a copy of our hazardous materials control permit application. Please complete and return to us prior to building permit approval from this office.

Please contact me at 978-264-9634 to discuss this matter.

Respectfully,



Sheryl Ball
Health Inspector
Acton Board of Health