

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING DEPARTMENT

PERMIT

Permit Number: 100294

Please Read
Application And
Notes, If Any,
Attached

This is to certify that CITY OF PORTLAND /TBD
has permission to Amend permit#09-0982 for a change in tower design to erect a "wind anemometer tower" in Trott-Littlejohn Park)
AT 250 BRACKETT AVE PI CR 088 K001001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

PERMIT ISSUED

Notification of inspection must be given and written permission procured before this building or part thereof is altered or otherwise used-in. 24 HOUR NOTICE IS REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. APR - 1 2010Health Dept. PIAppeal Board City of PortlandOther Department Name

Department Name

Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 10-0294	Issue Date:	CBL: 088 K001001
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Location of Construction: 250 BRACKETT AVE <i>PI</i>	Owner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: TBD	Contractor Address:	Phone
Lessee/Buyer's Name	Phone:	Permit Type: Amendment to Commercial	Zone: <i>ROS</i>

Past Use: ROS	Proposed Use: ROS- Amend permit#09-0982 for a change in tower design (Erect a "wind anemometer tower" in Trott-Littlejohn Park)	Permit Fee: \$30.00	Cost of Work: \$30.00	CEO District: 1
Proposed Project Description: Amend permit#09-0982 for a change in tower design (Erect a "wind anemometer tower" in Trott-Littlejohn Park)		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: <i>N/A</i> Type: <i>Tower</i> <i>IBC-2003</i> Signature: <i>AMB 3/30/10</i>
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Signature: _____ Date: _____		

Permit Taken By: Idobson	Date Applied For: 03/26/2010	Zoning Approval
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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**APR - 1 2010****City of Portland**

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 Min <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>3/26/10</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input checked="" type="checkbox"/> Conditional Use <i>with conditions</i> <input type="checkbox"/> Interpretation <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied Date: <i>9/3/09</i>	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>
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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 provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 10-0294	Date Applied For: 03/26/2010	CBL: 088 K001001
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Location of Construction: 250 BRACKETT AVE PI	Owner Name: CITY OF PORTLAND	Owner Address: 389 CONGRESS ST	Phone:
Business Name:	Contractor Name: TBD	Contractor Address:	Phone
Lessee/Buyer's Name	Phone:	Permit Type: Amendment to Commercial	

Proposed Use: ROS- Amend permit#09-0982 for a change in tower design (Erect a "wind anemometer tower" inTrott-Littlejohn Park)	Proposed Project Description: Amend permit#09-0982 for a change in tower design (Erect a "wind anemometer tower" inTrott-Littlejohn Park)
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Dept: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckal Approval Date: 03/26/2010
Note: Ok to Issue: ☒

- 1) All the conditions placed on the original permit #09-0982 are still in force.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

Dept: Building Status: Approved with Conditions Reviewer: Jeanine Bourke Approval Date: 03/30/2010
Note: Ok to Issue: ☒

- 1) This approval serves as the new date for the required 6 month (180 days) start of construction.
- 2) All previous conditions apply except the installation shall be per the engineers requirements for the new tower.

Dept: Fire Status: Approved with Conditions Reviewer: Jeanine Bourke Approval Date: 03/30/2010
Note: Ok to Issue: ☒

- 1) All previous conditions apply.



General Building Permit Application

If 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: <u>250 BRACKETT AVE., PEAKS ISLAND</u>			
Total Square Footage of Proposed Structure/Area		Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>088 K001001</u>		Applicant *must be owner, Lessee or Buyer* Name <u>Peaks Environmental Action Team</u> Address <u>21 Elizabeth St.</u> City, State & Zip <u>Peaks Island, ME 04108</u>	
Telephone: <u>207-899-0922</u>			
Lessee/DBA (If Applicable) <u>↑</u> <u>Peaks Environmental Action Team</u>		Owner (if different from Applicant) Name <u>City of Portland</u> Address <u>389 Congress St.</u> City, State & Zip <u>Portland ME 04101</u>	
Cost Of Work: \$ <u>13,000</u>		C of O Fee: \$ _____	
Total Fee: \$ <u>150 (already pd.)</u>			
Current legal use (i.e. single family) <u>ROS</u> Number of Residential Units _____			
If vacant, what was the previous use? _____			
Proposed Specific use: <u>wind anemometer tower</u>			
Is property part of a subdivision? _____ If yes, please name _____			
Project description: <u>amend existing permit due to change in tower design</u>			
Contractor's name: <u>unknown at this time</u>			
Address: _____			
City, State & Zip _____		Telephone: _____	
Who should we contact when the permit is ready: _____		Telephone: _____	
Mailing address: _____			

Please submit all of the information outlined on the applicable Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work 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.

RECEIVED

3-6-2010
Dept. of Building Inspections
City of Portland Maine

Signature: Samuel S. Sattontall Date: 3/26/10

This is not a permit; you may not commence ANY work until the permit is issued



PEAKS WIND GROUP

Peaks Environmental Action Team

21 Elizabeth St., Peaks Island, ME 04108

Tel: (207) 899-0922 Email: saltonstallsam@yahoo.com

March 26, 2010

Jeanie Bourke
Code Enforcement Officer/Plan Reviewer
City of Portland
Planning & Urban Development Dept./ Inspections Division
389 Congress St. Rm 315
Portland, ME 04101

Dear Jeanie,

As you know, The Peaks Wind Group of the Peaks Environmental Action Team needs to amend its building permit for the wind anemometer tower to be erected in Trott Littlejohn Park, due to the fact that a different tower is being supplied us for wind testing. Since the safety report we submitted to you last September was for the old tower design, you will find enclosed an amended building permit application and a new safety report for the tower which we will now be supplied.

Although the safety report format is less extensive than the one submitted last fall, it was prepared by the same company using the same software. This change in format was authorized by Marge Schmuckal at a meeting with me this January.

Everything else about our building permit application is unchanged except that the tower is now being supplied by the University of Maine and will be set up by their subcontractor. Unity College will undertake the pull testing required by the safety report.

We believe obtaining this permit is the final hurdle to getting the tower in place, hopefully some time next month. Our understanding from you is that the City will grant us an extension for six months from the date this amended application is approved. I have attached the text of an email from Ann Machado sent me on march 10, 2010 which summarizes the way forward.

Thank you for your assistance!

Sincerely,

Sam Saltonstall

Sam Saltonstall
PEAT Board Member and Wind Group Leader

RECEIVED

MAR 26 2010

Dept. of Building Inspections
City of Portland Maine



PEAKS WIND GROUP

Peaks Environmental Action Team

21 Elizabeth St., Peaks Island, ME 04108

Tel: (207) 899-0922 Email: saltonstallsam@yahoo.com

Sam -

I spoke to Jeanie Bourke, who is the plan reviewer who reviewed the original permit. She will look at the permit again, and she may ask you for additional information. After her review, she will send you a letter acknowledging the extension of the permit.

You can contact Jeanie Bourke if you have any questions (jmb@portlandmaine.gov or 874-8715).

Ann Machado
Zoning Specialist
(207) 874-8709

NewTower LLC



February 1, 2010

Mr. Sam Saltonstall
21 Elizabeth Street
Peak Island ME 04108

Subject: Safety Report for American Tower Company's Amertower 25 met tower, 100' (+/-) in Peak Island, Cumberland County, ME

Dear Sam:

Per your request I have performed a structural analysis and safety evaluation on the above referenced tower. The analysis is performed based on the information and specifications and other data supplied by American Tower Company.

The proposed Met tower is analyzed using ANSI/TIA-222-F-1996 standard per Maine Building Code. The design wind speed is 85 mph without ice (equivalent to 105 mph 3-sec gust wind) and 74 mph (fastest mile) simultaneously with ½ " ice. The results of the analysis are summarized in attached drawings. The tower structure is found to **meet** ANSI / TIA-222-F-1996 criteria, provided the outermost guy wires are 5/16" diameters and the other guy wires are ¼ " diameter. The 2 inner sets of guy wires are anchored 50' from the tower center whereas the outer 2 sets are 60' from the tower center. The weakest component is the outermost guy wires being at 76.6% of rating.

Because the proposed tower is a temporary tower (1 to 2 years of duration) located in a **remote** area, it represents a low hazard to human life in the event of structural failure. Because the met tower is located in a relatively low earthquake zone and Per TIA-222-G section 2.7.3, **earthquake effects on structure may be ignored.**

The soil type is Hollis but the allowable soil pressure is not available from formal soil report. Therefore, the lowest presumptive allowable load for shallow foundation of 1500 psf (or 1.5 ksf) is considered. Based on the TIA-222-F analysis results (using allowable stress method), the maximum tower axial load is 19.5 kips. The maximum pressure on soil is less than 2 ksf.

Based on Amertower 25 install directions and the Hollis soils, it appears that 6" or 8" inches diameter screw in anchors are worthy candidates. However, since the actual soil type is not confirmed by a professional engineer prepared soil report, the criterion for an anchor to be accepted is to pass the pull test performed after the installation of the anchor.

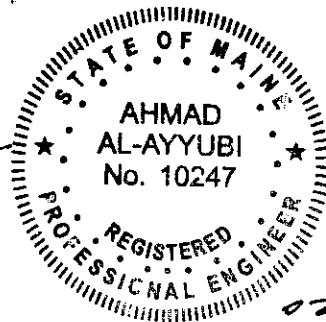
For the inner anchors, the minimum pull is 3100lbs at 38 degrees to the horizontal. For the middle anchors, the minimum pull is 4000 lbs at 29 degrees to the horizontal. For the outer anchors, the minimum pull is 7800 lbs at 55 degrees to the horizontal. It is your installation contractor's responsibility to perform pull test (with calibrated measuring devise) and document that each and every anchor had successfully passed the pull test with the minimum pull value listed above.

Your company must inform New Tower to perform further evaluation if the actual installed anchors do not meet the above- mentioned criteria or if there is deviation from the installation practice's procedure as prescribed in the Amertower directions. Failure to do so will automatically invalidate this certification letter.

The proposed Amertower 25 has been successfully installed and performed in ME and other states for the past few years. There is no reason to believe that it will be a concern to public safety if the tower is properly installed, according to the install directions, and the installed anchors being pull tested to the values specified in this letter,

Sincerely Yours,


Ahmad Ayyubi, P.E.



02/2/10

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
09-0982		088 K001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
250 BRACKETT AVE PEAKS ISL	CITY OF PORTLAND	389 CONGRESS ST	
Business Name:	Contractor Name:	Contractor Address:	Phone:
	Peaks Wind Group	21 Elizabeth St Peaks Island	2078990922
Lessee/Buyer's Name	Phone:	Permit Type:	Zone:
		Wind Tower	KOS

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
ROS	ROS - Erect a "wind anemometer tower"	\$150.00	\$13,000.00	1
Proposed Project Description: Erect a "wind anemometer tower"		FIRE DEPT:	INSPECTION:	
		<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions Signature: (K6)	Use Group: N/A Type: Tower IBC-2003 Signature: JMB 9/29/09	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
		Signature: _____ Date: _____		

Permit Taken By:	Date Applied For:	Zoning Approval		
Ldobson	09/08/2009			
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..	Special Zone or Reviews		Zoning Appeal	Historic Preservation
	<input type="checkbox"/> Shoreland N/A <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan N/A Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input checked="" type="checkbox"/> Date: 9/9/09		<input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input checked="" type="checkbox"/> Conditional Use with conditions see attached <input type="checkbox"/> Interpretation <input checked="" type="checkbox"/> Approved 6-0 <input type="checkbox"/> Denied Date: 9/3/09	<input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: 9/29/09
	PERMIT ISSUED SEP 29 2009 CITY OF PORTLAND		RECEIVED	

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 provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

Jeanie Bourke - Re: wind testing request

From: Jeanie Bourke
To: Ann Machado; Sam Saltonstall
Date: 3/10/2010 2:26 PM
Subject: Re: wind testing request
CC: Alex Jaegerman

Hi Sam,

If you are planning on submitting the amendment to the original permit for the proposed changes within a week, this will technically start the clock running again for the six month project start window from the new approval date.

Hopefully the other issues will be resolved before that 6 month expiration date.

Thanks

Jeanie Bourke
Code Enforcement Officer/Plan Reviewer

City of Portland
Planning & Urban Development Dept./ Inspections Division
389 Congress St. Rm 315
Portland, ME 04101
jmb@portlandmaine.gov
(207)874-8715

>>> Sam Saltonstall <saltonstallsam@yahoo.com> 3/10/2010 9:18 AM >>>
Thank you, Ann.

I should note that even if we are granted an extension of the current permit, we are aware of the fact that we will need to submit revised tower information and safety report to inspections, so that the current permit information reflects the new tower design. We will do this within a week.

I should also note that until the City and the University settle on removal agreement language and sign on the dotted line, it makes no sense to move forward with scheduling the tower's erection.

If Jeanie has the flexibility to wait until the removal agreement delay is resolved and then check with us regarding scheduling realities. it would certainly make sense from our end. That said, we will gladly take what extension we can get and hope that the removal agreement issue is quickly resolved between Mary Costigan and the University of Maine.

Appreciatively,

Sam Saltonstall

207-899-0922 (home)
207-838-9843 (cell)
21 Elizabeth St.
Peaks Island ME 04108

From: Ann Machado <AMACHADO@portlandmaine.gov>
To: Sam Saltonstall <saltonstallsam@yahoo.com>
Cc: Alex Jaegerman <AQJ@portlandmaine.gov>; Jeanie Bourke <JMB@portlandmaine.gov>
Sent: Wed, March 10, 2010 8:47:52 AM
Subject: Re: wind testing request

Sam -

I spoke to Jeanie Bourke, who is the plan reviewer who reviewed the original permit. She will look at the permit again, and she may ask you for additional information. After her review, she will send you a letter acknowledging the extension of the permit.

You can contact Jeanie Bourke if you have any questions (jmb@portlandmaine.gov or 874-8715).

Ann Machado
 Zoning Specialist
 (207) 874-8709

>>> Sam Saltonstall <saltonstallsam@yahoo.com> 3/9/2010 5:42 PM >>>
 Ann,

I am not sure who to send this request to. Could you please forward it as appropriate?

Our wind test tower building permit expires on March 29th. I am writing to respectfully request that the City grant us more time on the current wind test tower building permit without requiring an application for a permit extension. Here's why:

- We got word that we were awarded a testing tower on November 18th. Because it wasn't the same design as we had expected, we were required to complete a new safety report. We sent the City a copy of the proposed safety report format to make sure it would be acceptable on January 8th. It took 12 days for the City to decide whether the format met their needs.
- The City has been slow in resolving a question of wording related to the removal agreement with the University of Maine. To my knowledge this disagreement is still not resolved even though a full month has gone by.

As a result, the testing which we had hoped to start last summer, then early fall, then prior to the winter season is still not begun. We have done our very best to accommodate the needs of the City ever since this undertaking got started over a year ago. All votes taken, whether by the Planning Board, the City Council or the Zoning Board of Appeals have been unanimously supportive of our effort.

Both of these more recent delays have been beyond our control here on Peaks, and they have cost us about a month and a half. Because of this, we have been unable to take delivery on the tower. And there is nothing we can do to "show substantial progress" because the whole tower erection process will probably take a single day.

We have a limited budget funded by a couple of small grants, supporters and neighbors. Every further delay adds unnecessarily to the cost of our undertaking. Please consider whether you can grant us an extra month on the building permit, and let me know if this is possible soon, as we will otherwise have to apply for an extension.

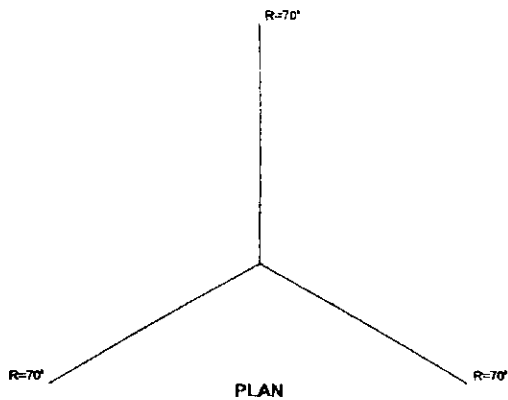
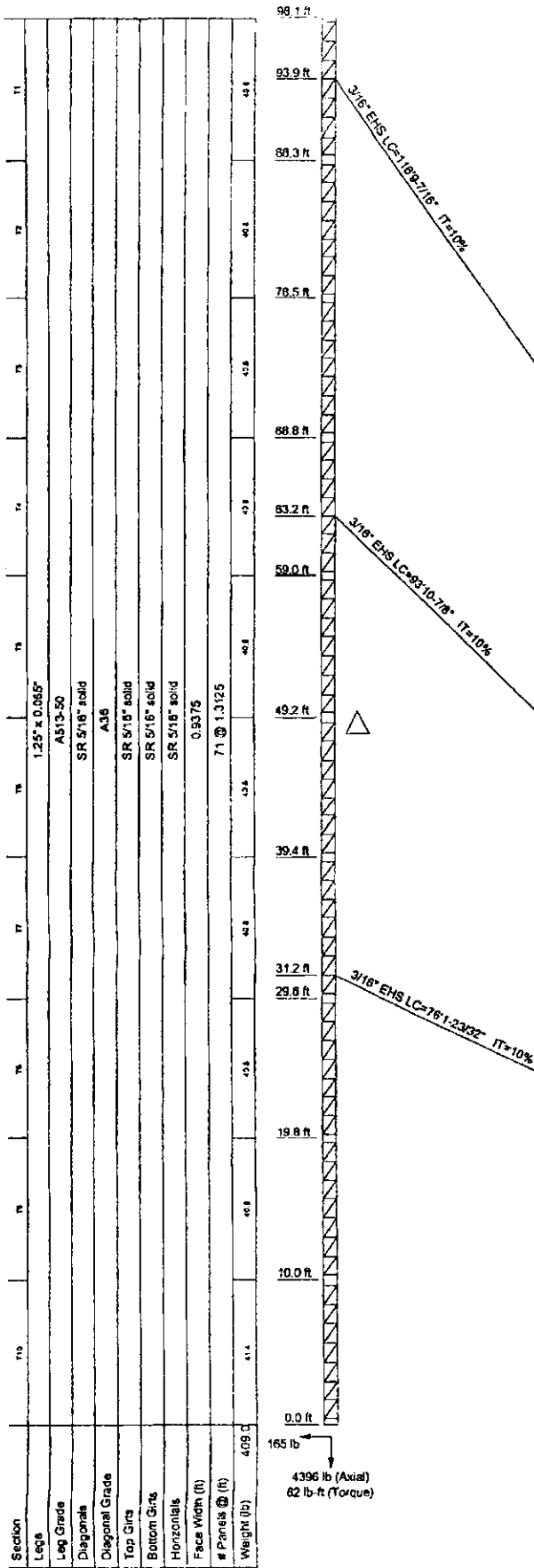
Thank you for considering this request.

Sam Saltonstall

Board Member, Peaks Environmental Action Team

Wind Core Group Leader

207-899-0922 (home)
207-838-9843 (cell)
21 Elizabeth St.
Peaks Island ME 04108



APPURTENANCES

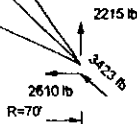
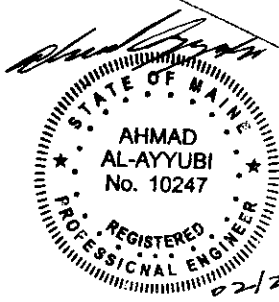
TYPE	ELEVATION	TYPE	ELEVATION
Top Load (1 square foot)	98.125		


MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A513-50	50 ksi	66 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower designed for a 110 mph basic wind in accordance with the TIA/EIA-222-F Standard.
2. TOWER RATING: 99.1%



	Paul J Ford and Company		Job: A05-T059	
	250 E. Broad Street		Project: Various Guyed Towers	
	Columbus, Ohio 43215		Client: Diversified Assemblies, Inc.	Drawn by: Kirk hall
	Phone: 614.221.6679		Code: TIA/EIA-222-F	Date: 04/29/05
	FAX: 614.448.4105		Path: <small>C:\TOWERS\ERI\Standard Issues\Nonlinear Tower Guyed Towers\A05-T059 Guyed Towers.dwg</small>	App'd: Scale: NTS
				Dwg No. E-1