

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

BUILDING INSPECTION PERMIT

PERMIT ISSUED
Permit Number: 060236
MAR 9 2006
CITY OF PORTLAND

This is to certify that OLYMPIA EQUITY INVESTORS V-P LLC/TBD
has permission to Change of use vacant space office w/ main entrance 3rd floor suites - office space
AT 280 FORE ST 029 K005001

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.

Classification of inspection must be given and when permission proceeds before this building or part thereof is started or service closed-in. 4 HOUR NOT REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. Craig Cass 3-6-00
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature] 3/8/06
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: 06-0236	Issue Date: MAR 9 2006	PL: 029 K005001
-----------------------	---------------------------	--------------------

Location of Construction: 280 FORE ST	Owner Name: OLYMPIA EQUITY INVESTORS	Owner Address: 280 FORE ST STE 202	Phone:
Business Name:	Contractor Name: TBD	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: Change of Use - Commercial	Zone: B33

Past Use: Commercial	Proposed Use: Commercial Change of use, vacant space to office w/ tenant fit-up 3rd floor - 3 suites - office space	Permit Fee: \$3,246.00	Cost of Work: \$350,000.00	CEO District: 1
Proposed Project Description: Change of use vacant space to office w/Tenant fit-up 3rd floor - 3 suites - office space		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied TO NEPA 101	INSPECTION: Use Group: 3 Type: 20 3/8/06	

Signature: *[Signature]* Signature: *[Signature]*
 PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
 Action: Approved Approved w/Conditions Denied
 Signature: _____ Date: _____

Permit Taken By: dmartin	Date Applied For: 02/14/2006	Zoning Approval
-----------------------------	---------------------------------	------------------------

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 <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"/> OK w/ conditions Date: 2/24/06 JEM	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input 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 Any exterior work requires a separate review approval thru Historic Preservation.
--	---	---	---

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: 06-0236	Date Applied For: 02/14/2006	CBL: 029 K005001
------------------------------	--	----------------------------

Location of Construction: 280 FORE ST	Owner Name: OLYMPIA EQUITY INVESTORS	Owner Address: 280 FORE ST STE 202	Phone:
Business Name:	Contractor Name: Benchmark	Contractor Address: 34 Thomas Dr. Westbrook	Phone (207) 591-7600
Lessee/Buyer's Name	Phone:	Permit Type: Change of Use - Commercial	

Commercial Change of use, vacant space to office w/ tenant fit-up
3rd floor - 3 suites - office space

Change of use vacant space to office w/Tenant fit-up 3rd floor - 3
suites - office space

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Ann Machado **Approval Date:** 02/24/2006

Note: third floor - 3 suites
front suite - White Rock Distillery
back 2 suites - Power pay

Ok to Issue:

- 1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2) Separate permits shall be required for any new signage.
- 3) ANY exterior work requires a separate review and approval thru Historic Preservation

Dept: Building **Status:** Approved with Conditions **Reviewer:** Mike Nugent **Approval Date:** 03/08/2006

Note:
1) Building plans from SMRT were not stamped. Stamped plans must be submitted prior to distribution of this permit.

Ok to Issue:

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 03/06/2006

Note:
1) All building construction shall comply with NFPA 101

Ok to Issue:

Comments:

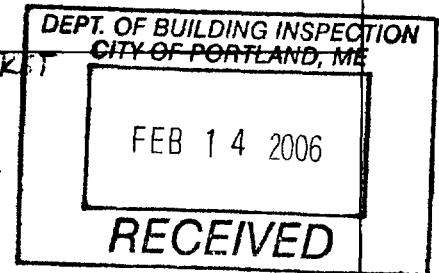
2/24/2006-amachado: I spoke to Tim Levine yesterday. I told him that we needed 11'x17'" copies of the plans or a PDF.



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>3rd floor 280 Fore St.</u>		
Total Square Footage of Proposed Structure <u>7,500 sq of INTERIOR OFFICE SPACE</u>		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: <u>OLYMPIA EQUITY</u>	Telephone: <u>207.874.9990</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>TIM LEVINE</u> <u>OLYMPIA EQUITY INVESTORS</u> <u>280 FORE ST # 202</u> <u>PORTLAND, ME 04101</u> <u>207.874.9990</u>	Cost Of Work: \$ <u>350,000</u> Fee: \$ <u>3,171</u> CofO Fee: \$
Current Specific use: <u>VACANT</u>	Proposed Specific use: <u>OFFICE SPACE</u>	
Project description: <u>INTERIOR OFFICE SPACE BUILD OUT OF TENANTS IN 280 FORE ST BUILDING.</u>		
Contractor's name, address & telephone: <u>PROJECT TO BE BID TO THE MARKET</u>		
Who should we contact when the permit is ready: <u>TIM LEVINE</u>	Mailing address: Phone: <u>207.874.9990</u>	



Please submit all of the information outlined in the Commercial Application 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 visit us on-line at www.portlandmaine.gov, stop by the Building Inspections 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.

Signature of applicant: <u>[Signature]</u>	Date: <u>FEB 14, 2006</u>
--	---------------------------

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

✓ #8528



THE
OLYMPIA
COMPANIES

Subject: Building Application and Plans

Date: February 14, 2006

To: Inspector of Buildings
City of Portland
389 Congress St.
Portland, Maine 04101

From: Tim Levine

- o Olympia Equity Investors
- o Olympia Development
- o Olympia Hotel Management

I have enclosed for your review and permission, one set of plans, the signed and stamped

- "Certificate of Design"
- "Accessibility Certificate"
- "2003 International Building Code Form"
- Application Fee - \$3171.00 Check Number 8528

Please call with any questions.

Thank you,

Patricia Collins
Administrative Assistant
The Olympia Development



CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

ACCESSIBILITY CERTIFICATE

Designer: Janet Hansen

Address of Project: 280 Fore Street, 3rd Floor

Nature of Project: Tenant Fit-up for 3 suites

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act.

Signature: Janet J. Hansen

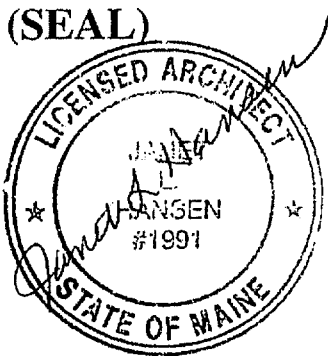
Title: Architect

Firm: SMRT

Address: 144 Fore St.

Portland, Maine 04101

Phone: 207-772-3846





CITY OF PORTLAND
BUILDING CODE CERTIFICATE
389 Congress St., Room 315
Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: Janet Hansen, SMRT

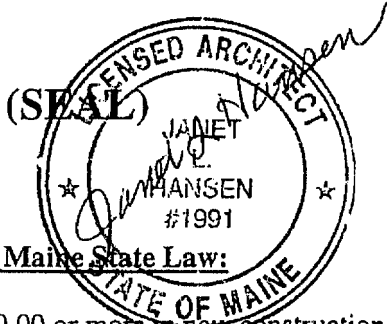
RE: Certificate of Design

DATE: 2-8-06

These plans and / or specifications covering construction work on:

Tenant Fit-up of 3 suites at 280 Fore Street.

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the 2003 International Building Code and local amendments.



As per Maine State Law:

\$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

Signature: Janet Hansen

Title: Architect

Firm: SMRT

Address: 144 Fore Street

Portland, Maine 04101

FROM DESIGNER: Janet Hansen
 DATE: 2/8/06
 Job Name: White Rock Distillery 2. Power pay. (2 suites)
 Address of Construction: 280 Fore Street, 3rd Floor

2003 International Building Code

Construction project **was** designed according to the building code criteria listed below:

Building Code and Year IBC - 2003 Use Group Classification(s) B

Type of Construction IIA

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC yes
 Is the Structure mixed use? yes if yes, separated or non separated (see Section 302.3) separated

Supervisory alarm system? _____ Geotechnical/Soils report required? (See Section 1802.2) N/A

**Existing Bldg -
 STRUCTURAL DESIGN CALCULATIONS**

_____ Submitted for all structural members
 (106.1.1, 106.1.1)

**DESIGN LOADS ON CONSTRUCTION DOCUMENTS
 (1603)**

Uniformly distributed floor live loads (1603.1.7, 1607)

Floor Area Use	Loads Shown
_____	_____
_____	_____
_____	_____
_____	_____

Wind loads (1603.1.4, 1600)

- _____ Design option utilized (1609.1.1, 1609.5)
- _____ Basic wind speed (1609.3)
- _____ Building category and wind importance factor, I_w (Table 1604.5, 1600.6)
- _____ Wind exposure category (1609.4)
- _____ Internal pressure coefficient (ASCE 7)
- _____ Component and cladding pressures (1609.1.1, 1609.6.2.2)
- _____ Main force wind pressures (1609.1.1, 1609.6.2.1)

Earthquake design data (1603.1.5, 1614 - 1623)

- _____ Design option utilized (1814.1)
- _____ Seismic use group ("Category") (Table 1604.5, 1818.2)
- _____ Spectral response coefficients, S_D s & S_1 (1615.f)
- _____ Site class (1615.1.5)

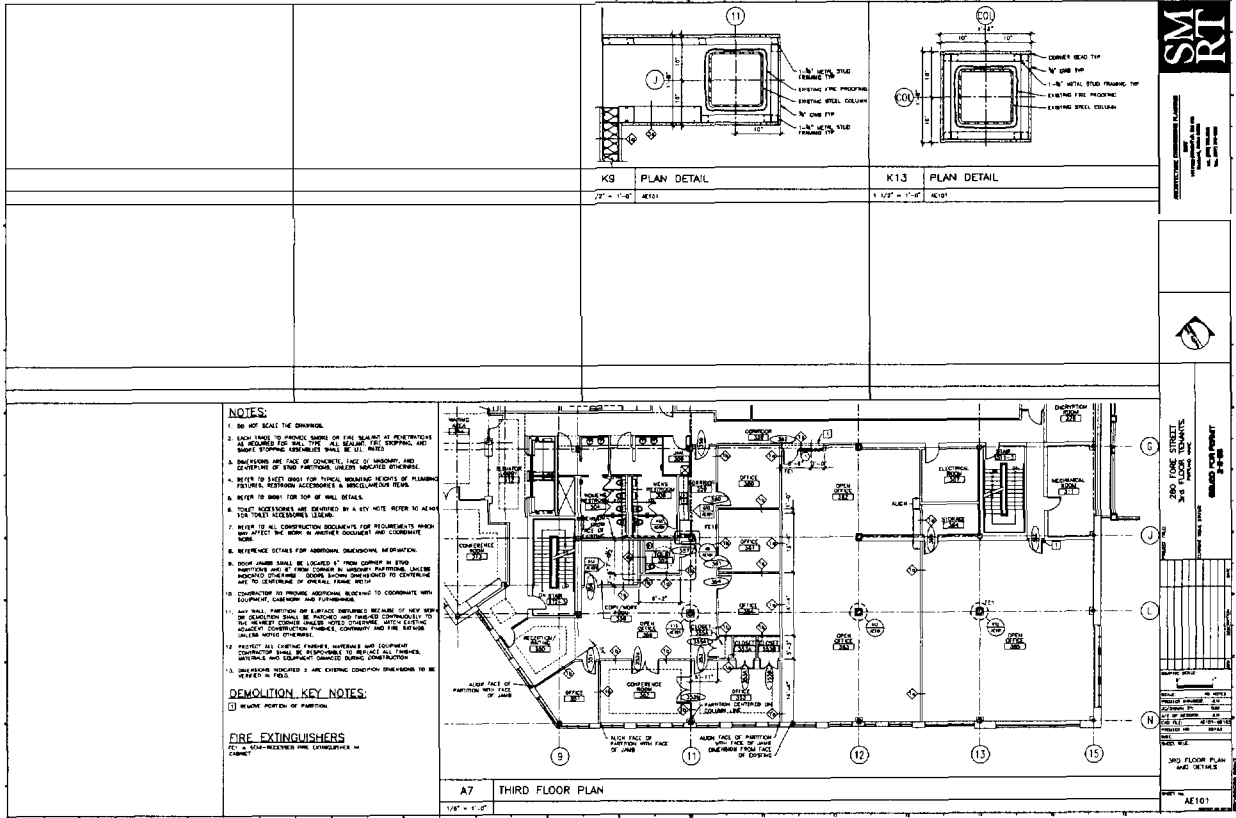
- _____ Live load reduction (1603.1.1, 1607.9, 1607.10)
- _____ Roof live loads (1603.1.2, 1607.11)
- _____ Roof snow loads (1603.1.3, 1608)
- _____ Ground snow load, P_g (1608.2)
- _____ If $P_g > 10$ psf, flat-roof snow load, P_f (1608.3)
- _____ If $P_g > 10$ psf, snow exposure factor, C_e (Table 1608.3.1)
- _____ If $P_g > 10$ psf, snow load importance factor, I_s (Table 1604.5)
- _____ Roof thermal factor, C_t (Table 1608.3.2)
- _____ Sloped roof snowload, P_s (1608.4)
- _____ Seismic design category (1616.3)
- _____ Basic seismic-force-resisting system (Table 1617.6.2)
- _____ Response modification coefficient, R , and deflection amplification factor, C_d (Table 1617.6.2)
- _____ Analysis procedure (1616.6, 1617.5)
- _____ Design base shear (1617.4, 1617.5.1)

Flood loads (1603.1.6, 1612)

- _____ Flood hazard area (1612.3)
- _____ Elevation of structure

Other loads

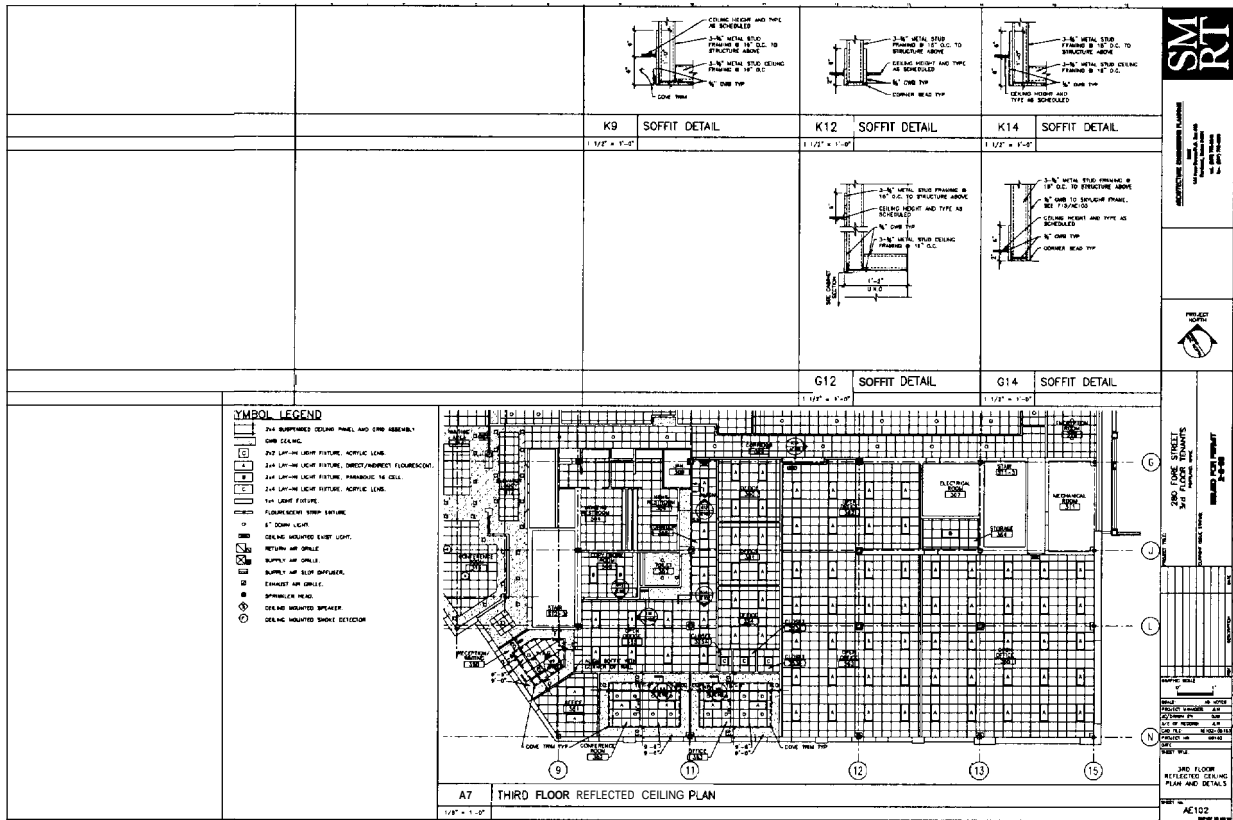
- _____ Concentrated loads (1607.4)
- _____ Partition loads (1607.5)
- _____ Impact loads (1607.8)
- _____ Misc. loads (Table 1607.6, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



DEPT. OF BUILDING INSPECTION
 CITY OF PORTLAND, ME

FEB 24 2006

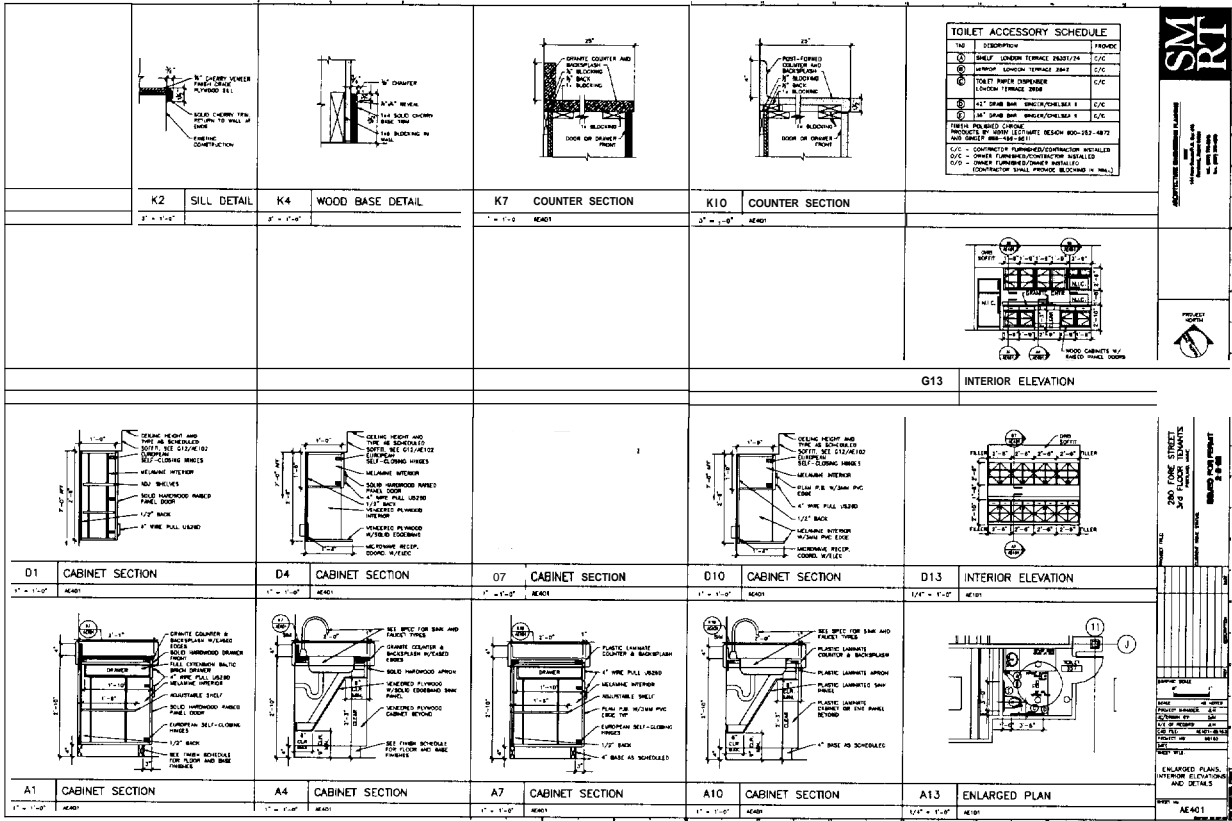
RECEIVED



DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME

FEB 24 2006

RECEIVED



DEPT. OF BUILDING INSPECTION
 CITY OF PORTLAND, ME
 FEB 24 2006
 RECEIVED

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

A Pre-construction Meeting will take place upon receipt of your building permit.

- Footing/Building Location Inspection: Prior to pouring concrete
- Re-Bar Schedule Inspection: Prior to pouring concrete
- Foundation Inspection: Prior to placing ANY backfill
- XRS Framing/Rough Plumbing/Electrical: Prior to any insulating or drywalling
- XRS Final/Certificate of Occupancy: Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

 XRS If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.

 CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED

 X Donna Martin Admin
Signature of Applicant/Designee

 3/13/06
Date

 Donna Martin Admin
Signature of Inspections Official

 3-13-06
Date

CBL: 029 K005 Building Permit #: 06 0236

NOTICE OF INTENT TO COMPLY WITH MAINE CONSTRUCTION GENERAL PERMIT

PLEASE TYPE OR PRINT IN **BLACK INK ONLY**

Name of Applicant (Company):		Olympia Equity investors II, LLC		Applicant Mailing Address:		280 FORE STREET SUITE 202	
City:		PORTLAND		State:		Maine	
Phone (Area code):		207-874-9990		Email if available:		Name of Agent:	
Project Location (Town/City):		Portland		UTM Northing (if known):		4834392	
Lot #:		189		Lot #:		A-31	
UTM Easting (if known):				UTM Easting (if known):		19395934	
Size of disturbed area proposed:				Size of disturbed area proposed:		2.7 ac.	
Part of a common plan of development or sale?		Yes <input type="checkbox"/> No <input type="checkbox"/>		Part of a larger project?		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Name of waterbody(ies) to which the disturbed area drains, or the municipality if drains to an MS4:		Fore River					
Does site drain to an Impaired Waterbody (C)?, give name:		N/A					
Detailed directions to site, including address if available:		Exit 5 off I-295 west on Congress street to left on Sewall street. Right into rear entrance of Double tree Hotel					
Description of project and its purpose:		Construction of Medical office building and associated parking.					

DJKS

I am filing notice of my intent to carry out work which meets the requirements of the Construction General Permit (effective 10/03). I have a copy of the Construction General Permit. I have read and will comply with all of the standards. I have checked all the required submittals. *Notification forms cannot be accepted without the necessary attachments.*

- ALL: A check for \$100 (non-refundable) made payable to: "Treasurer, State of Maine" if ESC plan is attached for review. Otherwise, check for \$75.
- ALL: A U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ALL: Drawing of the proposed activity (site plan)
- IF this form is not being signed by the landowner or lessee of the property, attach documentation showing authorization to sign.
- IF disturbed area drains to an Impaired Waterbody (C), attach an ESC plan.
- IF disturbed area drains to any other waterbody and is 3 or more acres, EITHER (1) attach an ESC plan OR (2) include a statement (letter) that an ESC plan has been certified and by whom, from the person who certified the plan.
- IF any construction activity will occur in essential habitat, attach written approval from the Dept. of Inland Fisheries & Wildlife.

I authorize staff of the Departments of Environmental Protection to access the project site for the purpose of determining compliance with the general permit. I also understand that **this permit is not valid until approved by the Department or 30 days after receipt by the Department, whichever is less.**

Signature of Applicant:	Date:
	July 11, 2005

Keep the bottom copy as a record of permit. Send the form with attachments via certified mail to the Maine Dept. of Environmental Protection at the appropriate regional office. The DEP will send a copy to the Town Office as evidence of the DEP's receipt of notification. No further authorization by DEP will be issued after receipt of notice. An approved NOI is valid until 7/1/06. **Work carried in violation of any standard is subject to enforcement action.**

OFFICE USE ONLY		Ck.#	Staff	Staff		
#	38222	FP	13679	100.00	Date	07/11/05
					Acc. Date	7/18/05
					Def. Date	
					After Photos	



OLYMPIA EQUITY INVESTORS

29k S
040048
4/30/04

Arthur / Mike:

Here are the SW Cole
Inspection reports as requested
by Joe Bump @ Ledgewood
that I send to you for
the 280 Fore Street
project.

Please contact me if any
questions.

Long

50 Monument Square
Floor 2
Portland, ME 04101

www.olympiaequity.com



Submittal Review Memo

ARCHITECTURE
ENGINEERING
PLANNING

RECEIVED

Project Name: Fore St. Office Bldg -Preliminary Design

Job #: 0308700

JAN 8 2004

To: Mark Gagnon
Ledgewood Inc.
PO Box 8107

Submittal #: 1-02455-02

LEDGEWOOD, INC

Portland, ME 04104

Submittal Title: Wave Equation Analysis-Pile Drive.

ACTION: Please take action below:

The review was performed for the limited purpose of determining general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Modifications or comments made on the submittal during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. Approval of a specific item does not include approval of the assembly of which the item is a component. The Contractor is responsible for quantities and dimensions to be confirmed and correlated at the job site: information that pertains solely to the fabrication processes or to the means, methods, techniques sequences and procedures of construction: coordination of the work of all trades: and for performing all work in a safe and satisfactory manner.

03087-00 #1

SMRT, Inc.

- APPROVED
- PROVIDE AS NOTED
- REVISE AND RESUBMIT
- RESUBMIT SPECIFIC ITEM
- REJECTED:
 - Not a specified product
 - Incomplete
 - Other

REVIEW DATE: 1/5/04

BY: SSK

- INFORMATIONAL SUBMITTAL FOR RECORD ONLY
- NOT A REQUIRED SUBMITTAL - NOT REVIEWED

Remarks:

H.B. Fleming
: 10/27/2003 :

27-Oct-2003
GRLWEAP(TM) Version 1998-2

Ultimate Capacity kips	Maximum Compression Stress ksi	Maximum Tension Stress ksi	Blow Count blows/in	Stroke feet	Energy kips-ft
200.0	28.145	0.000	2.1	8.06	16.82
250.0	30.808	0.175	2.8	8.42	16.60
300.0	33.227	0.870	3.6	8.60	16.29
320.0	34.646	0.734	3.8	8.93	16.74
405.0	39.490	0.135	5.6	9.56	17.35
450.0	42.282	0.033	7.1	9.88	17.62
495.0	44.296	0.458	9.5	10.00	17.62
550.0	45.514	2.222	16.3	10.00	16.86
625.0	47.090	2.855	43.5	10.00	16.58
700.0	47.968	2.822	9999.0	10.00	16.55

Reviewed for general acceptance and compliance with contract documents. The subcontractor is responsible for all dimensions, correct fabrication and accurate fit with the work of other trades.

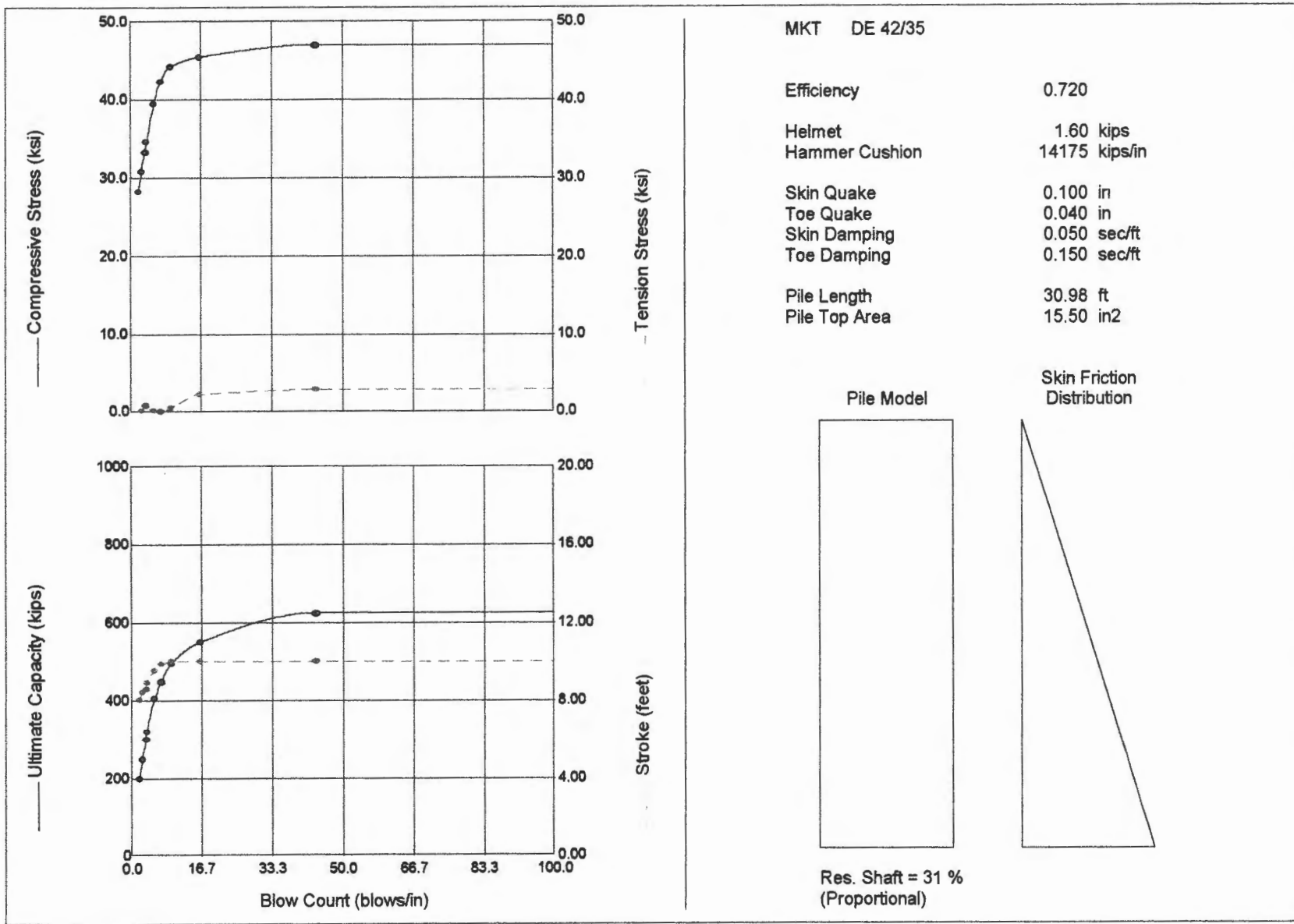
Ledgewood, Inc.

By MCJ Date 11-24-03
Submittal Number 02455-2

03087-00 #1

H.B. Fleming
: 10/27/2003 :

27-Oct-2003
GRLWEAP (TM) Version 1998-2



CONSTANT CAPACITY

H.B. Fleming
: 10/27/2003 :

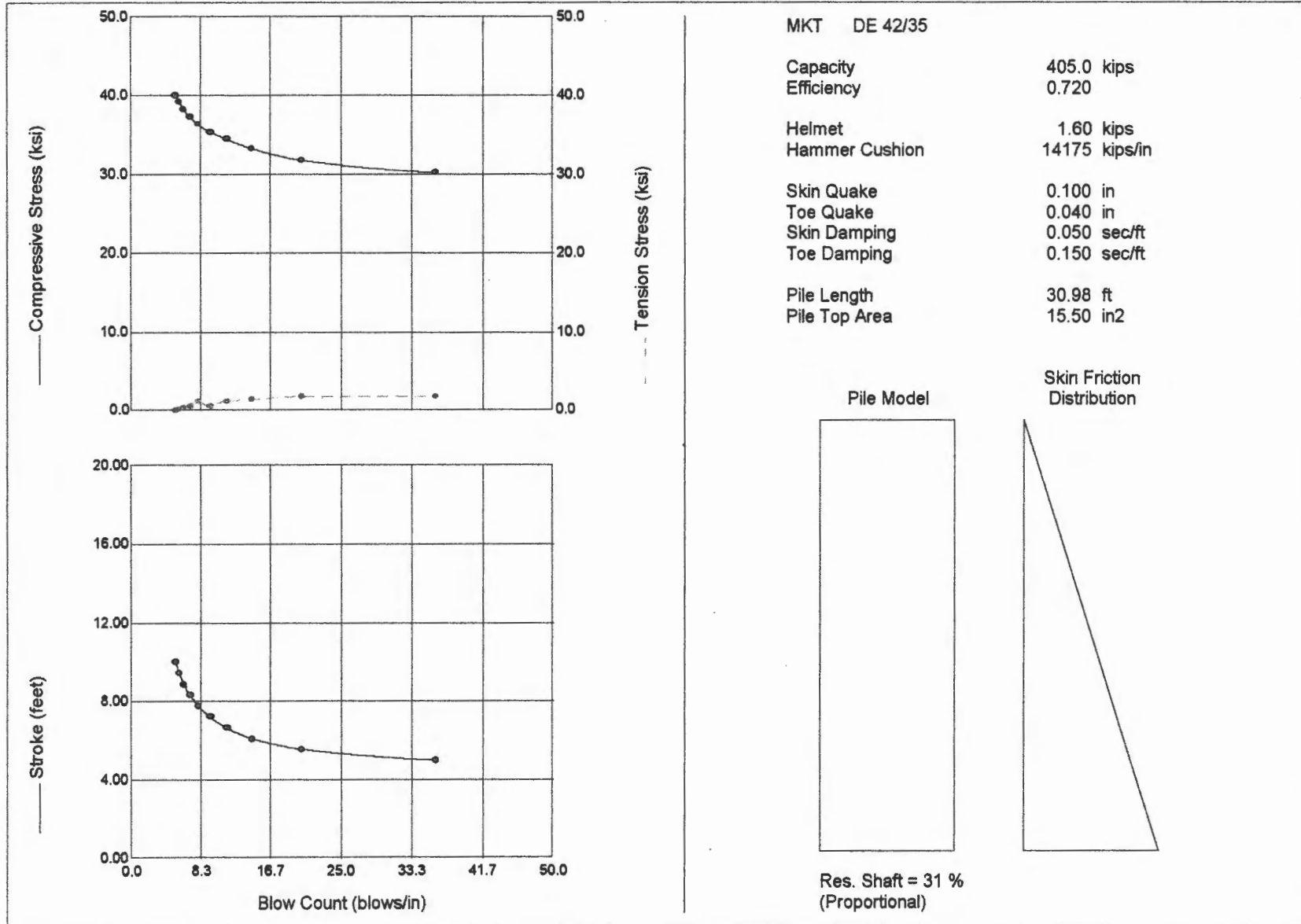
27-Oct-2003
GRLWEAP(TM) Version 1998-2

Ultimate Capacity kips	Maximum Compression Stress ksi	Maximum Tension Stress ksi	Blow Count blows/in	Stroke feet	Energy kips-ft
405.0	30.233	1.784	36.2	5.00	7.56
405.0	31.739	1.776	20.4	5.56	8.84
405.0	33.276	1.409	14.4	6.11	10.08
405.0	34.502	1.197	11.3	6.67	11.24
405.0	35.399	0.547	9.3	7.22	12.42
405.0	36.300	1.181	8.0	7.78	13.58
405.0	37.286	0.584	7.1	8.33	14.76
405.0	38.284	0.399	6.3	8.89	15.93
405.0	39.250	0.133	5.8	9.44	17.06
405.0	40.133	0.001	5.3	10.00	18.22

CONSTANT CAPACITY

H.B. Fleming
: 10/27/2003 :

27-Oct-2003
GRLWEAP (TM) Version 1998-2





Submittal Review Memo

ARCHITECTURE
ENGINEERING
PLANNING

RECEIVED

Project Name: Fore St. Office Bldg -Preliminary Design

Job #: 0308700

To: Mark Gagnon
Ledgewood Inc.
PO Box 8107

Submittal #: 2-02455-01

JAN 8 2004

LEDGEWOOD, INC.

Portland, ME 04104

Submittal Title: Pile Equipment Data Sheets/Summary

ACTION: Please take action below:

The review was performed for the limited purpose of determining general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Modifications or comments made on the submittal during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. Approval of a specific item does not include approval of the assembly of which the item is a component. The Contractor is responsible for quantities and dimensions to be confirmed and correlated at the job site: information that pertains solely to the fabrication processes or to the means, methods, techniques sequences and procedures of construction: coordination of the work of all trades: and for performing all work in a safe and satisfactory manner.

03087-00 #2

- APPROVED
- PROVIDE AS NOTED
- REVISE AND RESUBMIT
- RESUBMIT SPECIFIC ITEM
- REJECTED:
 - Not a specified product
 - Incomplete
 - Other
- INFORMATIONAL SUBMITTAL FOR RECORD ONLY
- NOT A REQUIRED SUBMITTAL - NOT REVIEWED

SMRT, Inc.

REVIEW DATE: 1/5/04

BY: SSK

Remarks:

H.B. FLEMING

89 PLEASANT AVE
SOUTH PORTLAND, MAINE 04106
Phone: 207-799-8514 Fax: 207-799-8538
www.HBFLEMING.com



RECEIVED

OCT 28 2003

SUBMITTAL

LEDGEWOOD, INC.

Submitted To:

Client: Ledgewood Inc.
Attention: Kevin French
PETER BERNARD

Date: 10/27/03
Project: Fore St. Office Build.
Location: Portland, Maine

Subject: Pile Driving Criteria

H.B. Fleming Proposes to use the following driving criteria for the piles to be installed at the above location.

Hammer

- An MKT DE-42 open ended diesel pile hammer will be used to drive the piles. The DE-42 has a ram weight of 4,200 lbs, a maximum stroke of 10'6", and a rated energy of 42,000 ft-lbs.
- The hammer cushioning material consists of 2.5 inches of Hamortex material.

Pile

- HP12x53 ASTM A572 Gr. 50 steel piles.
- The design capacity is 90 tons.
- The Ultimate Capacity which we based our analysis on is 202.5 tons
- Piles will be fitted with cast steel driving points.

Results

- Test piles will be driven until a blow count of 7 blows per inch for three consecutive inches is obtained.
- These criteria are based upon the output generated from the WEAP analysis that follows. Testing of driven piles will determine whether the above criteria are used throughout the project or if any adjustments need to be made.

Signed: _____

"SCOTTY"

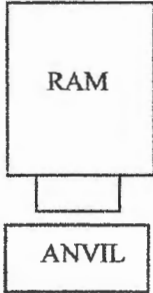
John Linscott IV "Scotty"

H.B. FLEMING PILE EQUIPMENT DATA SHEET

Project: Fore St. Office Build.
 Location: Portland, ME

Date: 10/27/03
 Client: LedgeWood Inc.

HAMMER



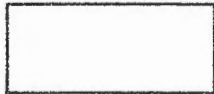
Manufacturer:	MKT
Model:	DE-42
Type:	Single Acting Diesel
Length of Stroke:	10' - 6"
Rated Energy at Given Stroke:	42,000 ft-lb
Modifications:	None

HAMMER CUSHION



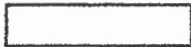
Material:	Hamortex
Thickness:	2.5"
Area:	285 in ²
Modulus of Elasticity:	29,000 psi
Coefficient of Restitution:	0.8

DRIVE HEAD



Weight:	1600 lb
---------	---------

PILE CUSHION



Cushion Material:	N/A
Thickness:	N/A
Modulus of Elasticity:	N/A
Coefficient of Restitution:	N/A

PILE



Pile Type:	HP12x53
Length in Leads:	Up to 30'
Weight/LF:	53 lb
Wall Thickness:	.435"
Taper:	N/A
Cross Sectional Area:	15.5 in ²
Design Capacity of Pile:	90 tons
Splice Description:	Full Penetration Butt Weld
Tip Treatment Description:	Cast Steel Point

CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 01/27/2004

Placement: PILE CAPS 12-5, 13-J, 13-G

Cylinders made by: DMR
Date Delivered: 01/27/2004
Date Made : 01/26/2004
Design Strength 28 days (psi): 3000

Temperatures (F) Air: 4
Concrete: 60
Slump (in): 4.5
Air (%): 5.0

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 177
Ticket #: 4508473
Load #: 2
Placement (cubic yards): 10 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-2A	02/02/2004	7	6	79.5	2810
G322-2B	02/23/2004	28		0.0	0
G322-2C	02/23/2004	28		0.0	0
G322-2D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
2% POLARSET ADDED TO MIX.

CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 01/29/2004

Placement: PILE CAPS G + 3-15

Cylinders made by: DMR
Date Delivered: 01/29/2004
Date Made : 01/28/2004
Design Strength 28 days (psi): 3000

Temperatures (F) Air: 22
Concrete: 59
Slump (in): 4
Air (%): 4.8

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 181
Ticket #: 3923259
Load #: 1
Placement (cubic yards): 10 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-3A	02/04/2004	7	6	79.5	2810
G322-3B	02/25/2004	28		0.0	0
G322-3C	02/25/2004	28		0.0	0
G322-3D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
2% POLARSET ADDED TO MIX.

**S.W. COLE**
ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

FACSIMILE MESSAGE

COMPANY Olympia Equity Investors
ATTENTION Greg
SWC JOB NUMBER 03-711.1
FAX NUMBER 874-9993
DATE 2/23/2004
SENDER Roger Domingo
SUBJECT: 280 Fore Street

NO. OF PAGES INCLUDING COVER 10
HARD COPY TO FOLLOW IN MAIL Yes

The information contained in this facsimile transmission is privileged and confidential and intended for the use of the addressee named above. If the receiver of the following pages is not (one of) the above named recipient(s), you are hereby notified that any retention, dissemination, distribution or copying of this facsimile is prohibited. If you received this facsimile in error, please notify us immediately by telephone. Thank you.

GRAY, ME OFFICE

286 Portland Road, Gray, ME 04039, Tel (207) 657-2866, Fax (207) 657-2840, (E-MAIL) infogray@swcole.com, (I) www.swcole.com

Other offices in Augusta, Bangor and Caribou, Maine & in Somersworth, New Hampshire



S.W. COLE
ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

DAILY CONSTRUCTION REPORT

Project: 280 Fore Street Project No.: 03-711.1
 Client: Olympia Equity Investors Date: 2/20/04
 Client's Rep.: Greg Shinberg
 Weather: Sunny Temp. Range: 30's
 Arrived at Site at: 9:45

Work in Progress: Concrete forms being installed. Concrete placed in pile cap. Rock anchors being loaded.

Work Performed by SWC Rep.: Tested 3000 psi concrete placed in pile cap and observed Rock Anchor loading being performed.

General Observations, Discussions, Etc.: Upon arrival to the site I met with Jason Riley of Maine Drilling + Blasting who was preparing to conduct the load tests on four rock anchors. I verified the calibration was current of the center-pull jack. Anchors 13W, 13N, 13E, and 13S were loaded and locked off. A performance test was performed on anchor 13S. Anchors 13S and 13E did not meet the criteria for the minimum allowable elastic movement. Copies of all test data are attached.

Recommendations to Contractor/Owner's Rep.: _____

Left Site at: 12:30 SWC Rep.: Michael Bisson

GRAY, ME OFFICE

286 Portland Road, Gray, ME 04039, Tel (207) 657-2856, Fax (207) 657-2840, (E) infogray@swcole.com, (I) www.swcole.com

Other offices in Augusta, Bangor and Caribou, Maine & in Somersworth, New Hampshire

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE 02/19/2004 BAR DESIGNATION J 13 S

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX) FEET

BAR LENGTH	51.6
MINUS 50 % BOND LENGTH	7.5
DISTANCE TOP OF PILE TO JACKING PLATE	2
STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	42.1
	505.2

ROD LENGTH (MIN) FEET

BAR LENGTH	51.6
MINUS BOND LENGTH	15
DISTANCE TOP OF PILE TO JACKING PLATE	2
STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	34.6
	27.68
	332.16

MODULUS	30000000
X SECTION	1.32
PRODUCT	39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (inches)
	.25 DL	22500	0.189	0.287
	.50 DL	45000	0.377	0.574
	.75 DL	67500	0.588	0.861
	1.0 DL	90000	0.755	1.148
	1.2 DL	108000	0.906	1.378
	1.3 DL	119700	1.004	1.527

ROCK ANCHOR PERFORMANCE TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER		J 13 S	
ANCHOR LENGTH	51.6			ANCHOR DIAMETER		1.25 inch	
JACK NUMBER				CROSS SECTION AREA		1.32 sqft	
TEST LOAD (P)	90000			MODULUS		3000000	
ALIGNMENT LOAD				TECHNICIAN		J Riley	
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.113	0.113	0.189	0.287
	AL						
	.25 DL	22500	950	0.100	0.100	0.189	0.287
	.50 DL	45000	1600	0.266	0.266	0.377	0.574
	AL						
	.25 DL	22500	950	0.142	0.142	0.189	0.287
	.50 DL	45000	1600	0.258	0.258	0.377	0.574
	.75 DL	67500	2275	0.435	0.435	0.566	0.861
	AL						
	.25 DL	22500	950	0.164	0.164	0.189	0.287
	.50 DL	45000	1600	0.326	0.326	0.377	0.574
	.75 DL	67500	2275	0.451	0.451	0.566	0.861
	1.00 DL	90000	3300	0.710	0.710	0.755	1.148
	AL						
	.25 DL	22500	950	0.165	0.165	0.189	0.287
	.50 DL	45000	1600	0.405	0.405	0.377	0.574
	.75 DL	67500	2275	0.555	0.555	0.566	0.861
	1.00 DL	90000	3300	0.733	0.733	0.755	1.148
	1.2 DL	108000	3500	0.779	0.779	0.906	1.378
	AL						
	.25 DL	22500	950	0.172	0.172	0.189	0.287
	.50 DL	45000	1600	0.414	0.414	0.377	0.574
	.75 DL	67500	2275	0.596	0.598	0.566	0.861
	1.00 DL	90000	3300	0.788	0.766	0.755	1.148
	1.2 DL	108000	3500	0.804	0.804	0.906	1.378
	1.33 DL	119700	3800	0.885	0.885	1.004	1.527
NOTES:							
	1 minute	0.885					
	2 minutes	0.886					
	3 minutes	0.887					
	4 minutes	0.889					
	10 minutes	0.889					

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE 02/19/2004 BAR DESIGNATION G 13 E

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	55
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	45.5
		548
ROD LENGTH (MIN)		FEET
	BAR LENGTH	55
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	38
		30.4
		364.8

MODULUS 30000000
 X SECTION 1.32
 PRODUCT 39800000

LOAD	DESIGN LOAD	80000 LBS	MIN ELASTIC MOVE (Inches)	MAX ELASTIC MOVE (Inches)
	.25 DL	22500	0.207	0.310
	.50 DL	45000	0.415	0.620
	.75 DL	67500	0.622	0.931
	1.0 DL	90000	0.829	1.241
	1.2 DL	108000	0.995	1.489
	1.3 DL	119700	1.103	1.650

ROCK ANCHOR PROOF TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER		G 13 E	
ANCHOR LENGTH	55			ANCHOR DIAMETER		1.25 inch	
JACK NUMBER				CROSS SECTION AREA		1.32	
TEST LOAD (P)	90000			MODULUS		3000000	
ALIGNMENT LOAD				TECHNICIAN		J Riley	
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.154	0.154	0.207	0.310
	.50 DL	45000	1600	0.342	0.342	0.415	0.620
	.75 DL	67500	2275	0.532	0.532	0.622	0.931
	1.00 DL	90000	3300	0.829	0.829	0.829	1.241
	1.2 DL	108000	3500	0.883	0.883	0.995	1.489
	1.33 DL	119700	3800	0.970	0.970	1.103	1.650
	LOCK OFF						
NOTES:							
	1 minute	0.970					
	2 minutes	0.970					
	3 minutes	0.970					
	4 minutes	0.971					
	10 minutes	0.968					

PORTLAND ME. FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE 02/19/2004 BAR DESIGNATION G 13 W

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	54
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	44.5
		534
ROD LENGTH (MIN)		FEET
	BAR LENGTH	54
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	37
		29.6
		355.2

MODULUS 30000000
 X SECTION 1.32
 PRODUCT 39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (Inches)
	.25 DL	22500	0.202	0.303
	.50 DL	45000	0.404	0.607
	.75 DL	67500	0.605	0.910
	1.0 DL	90000	0.807	1.214
	1.2 DL	108000	0.969	1.458
	1.3 DL	119700	1.074	1.614

ROCK ANCHOR PROOF TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER	G 13 W		
ANCHOR LENGTH	54			ANCHOR DIAMETER	1.25 inch		
JACK NUMBER				CROSS SECTION AREA	1.32		
TEST LOAD (P)	90000			MODULUS	3000000		
ALIGNMENT LOAD				TECHNICIAN	J Riley		
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.162	0.162	0.202	0.303
	.50 DL	45000	1600	0.474	0.474	0.404	0.607
	.75 DL	67500	2275	0.608	0.608	0.605	0.910
	1.00 DL	90000	3300	0.969	0.969	0.807	1.214
	1.2 DL	108000	3500	1.022	1.022	0.969	1.458
	1.33 DL	119700	3800	1.119	1.119	1.074	1.614
	LOCK OFF						
NOTES:							
	1 minute	1.119					
	2 minutes	1.123					
	3 minutes	1.123					
	4 minutes	1.124					
	10 minutes	1.124					

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE 02/19/2004 BAR DESIGNATION J 13 N

ALLOWABLE MOVEMENT = $\frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	52.8
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	43.3
		519.6
ROD LENGTH (MIN)		FEET
	BAR LENGTH	52.8
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	35.8
		28.64
		343.68

MODULUS	30000000
X SECTION	1.32
PRODUCT	39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (Inches)
	.25 DL	22500	0.195	0.295
	.50 DL	45000	0.391	0.590
	.75 DL	67500	0.586	0.886
	1.0 DL	90000	0.781	1.181
	1.2 DL	108000	0.937	1.417
	1.3 DL	119700	1.039	1.571

ROCK ANCHOR PROOF TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER		J 13 N	
ANCHOR LENGTH	52.8			ANCHOR DIAMETER		1.25 inch	
JACK NUMBER				CROSS SECTION AREA		1.32	
TEST LOAD (P)	90000			MODULUS		3000000	
ALIGNMENT LOAD				TECHNICIAN		J Riley	
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.189	0.189	0.195	0.295
	.50 DL	45000	1600	0.421	0.421	0.391	0.590
	.75 DL	67500	2275	0.682	0.682	0.586	0.886
	1.00 DL	90000	3300	1.036	1.036	0.781	1.181
	1.2 DL	108000	3500	1.094	1.094	0.937	1.417
	1.33 DL	119700	3800	1.184	1.184	1.039	1.571
	LOCK OFF						
NOTES:							
	1 minute	1.184					
	2 minutes	1.185					
	3 minutes	1.187					
	4 minutes	1.187					
	10 minutes	1.187					



S.W. COLE

ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

CONCRETE COMPRESSION TEST ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 01/21/2004

Placement: PILE CAPS N-12, N-13, L-12, L-13

Cylinders made by: DMR
Date Delivered: 01/21/2004
Date Made : 01/20/2004
Design Strength 28 days (psi): 3000

Temperatures (F) Air: 20
Concrete: 74
Slump (in): 3
Air (%): 4.3

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 177
Ticket #: 4508355
Load #: 2
Placement (cubic yards): 10 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-1A	01/27/2004	7	6	89.5	3170
G322-1B	02/17/2004	28	7	132.0	4670
G322-1C	02/17/2004	28	7	130.0	4600
G322-1D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
2% POLARSET ADDED TO MIX.

GRAY, ME OFFICE

286 Portland Road, Gray, ME 04039 • Tel (207) 657-2866 • Fax (207) 657-2840 • E-Mail infogray@swcole.com • www.swcole.com

Other offices in Bangor, Caribou, and Augusta, Maine & Somersworth, New Hampshire

CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 02/09/2004

Placement: GRADE BEAMS 12 TO 15 L TO N LINE, P.6 CAP G-12, SPREAD
FOOTING 11-N TO 3-H

Cylinders made by: DMR
Date Delivered: 02/09/2004
Date Made : 02/06/2004
Design Strength 28 days (psi): 4000

Temperatures (F) Air: 25
Concrete: 64
Slump (in): 4.5
Air (%): 5.3

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 169
Ticket #: 4508553
Load #: 3
Placement (cubic yards): 10 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-4A	02/13/2004	7	6	93.0	3290
G322-4B	03/05/2004	28		0.0	0
G322-4C	03/05/2004	28		0.0	0
G322-4D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
INITIAL SLUMP = 2.75 SUPER PLASTICIZER AND NO POLARSET.



DAILY CONSTRUCTION REPORT

Project: 280 Fore Street Project No.: 03-711.1

Client: Olympia Equity Investors Date: 2/20/04

Client's Rep.: Greg Shinberg

Weather: Sunny Temp. Range: 30's

Arrived at Site at: 9:45

Work in Progress: Concrete forms being installed. Concrete placed in pile cap. Rock anchors being loaded.

Work Performed by SWC Rep.: Tested 3000 psi concrete placed in pile cap and observed Rock Anchor loading being performed.

General Observations, Discussions, Etc.: Upon arrival to the site I met with Jason Riley of Maine Drilling + Blasting who was preparing to conduct the load tests on four rock anchors. I verified the calibration was current of the center-pull jack. Anchors 13W, 13N, 13E, and 13S were loaded and locked off. A performance test was performed on anchor 13S. Anchors 13S and 13E did not meet the criteria for the minimum allowable elastic movement. Copies of all test data are attached.

Recommendations to Contractor/Owner's Rep.:

Left Site at: 12:30 SWC Rep.: Michael Bisson

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE **02/19/2004** BAR DESIGNATION **J 13 S**

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	51.6
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	42.1
		505.2
ROD LENGTH (MIN)		FEET
	BAR LENGTH	51.6
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	34.6
		27.68
		332.16

MODULUS X SECTION PRODUCT 30000000
 1.32
 39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (inches)
	.25 DL	22500	0.189	0.287
	.50 DL	45000	0.377	0.574
	.75 DL	67500	0.566	0.861
	1.0 DL	90000	0.755	1.148
	1.2 DL	108000	0.906	1.378
	1.3 DL	119700	1.004	1.527

ROCK ANCHOR PERFORMANCE TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004				ANCHOR NUMBER	J 13 S	
ANCHOR LENGTH			51.6		ANCHOR DIAMETER	1.25 inch	
JACK NUMBER					CROSS SECTION AREA	1.32 sqft	
TEST LOAD (P)			90000		MODULUS	3000000	
ALIGNMENT LOAD					TECHNICIAN	J Riley	
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.113	0.113	0.189	0.287
	AL						
	.25 DL	22500	950	0.100	0.100	0.189	0.287
	.50 DL	45000	1600	0.266	0.266	0.377	0.574
	AL						
	.25 DL	22500	950	0.142	0.142	0.189	0.287
	.50 DL	45000	1600	0.258	0.258	0.377	0.574
	.75 DL	67500	2275	0.435	0.435	0.566	0.861
	AL						
	.25 DL	22500	950	0.164	0.164	0.189	0.287
	.50 DL	45000	1600	0.326	0.326	0.377	0.574
	.75 DL	67500	2275	0.451	0.451	0.566	0.861
	1.00 DL	90000	3300	0.710	0.710	0.755	1.148
	AL						
	.25 DL	22500	950	0.165	0.165	0.189	0.287
	.50 DL	45000	1600	0.405	0.405	0.377	0.574
	.75 DL	67500	2275	0.555	0.555	0.566	0.861
	1.00 DL	90000	3300	0.733	0.733	0.755	1.148
	1.2 DL	108000	3500	0.779	0.779	0.906	1.378
	AL						
	.25 DL	22500	950	0.172	0.172	0.189	0.287
	.50 DL	45000	1600	0.414	0.414	0.377	0.574
	.75 DL	67500	2275	0.596	0.596	0.566	0.861
	1.00 DL	90000	3300	0.766	0.766	0.755	1.148
	1.2 DL	108000	3500	0.804	0.804	0.906	1.378
	1.33 DL	119700	3800	0.885	0.885	1.004	1.527
NOTES:							
	1 minute	0.885					
	2 minutes	0.886					
	3 minutes	0.887					
	4 minutes	0.889					
	10 minutes	0.889					

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE **02/19/2004** BAR DESIGNATION **G 13 E**

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	55
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	45.5
		546

ROD LENGTH (MIN)		FEET
	BAR LENGTH	55
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	38
		30.4
		364.8

MODULUS	30000000
X SECTION	1.32
PRODUCT	39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (inches)
	.25 DL	22500	0.207	0.310
	.50 DL	45000	0.415	0.620
	.75 DL	67500	0.622	0.931
	1.0 DL	90000	0.829	1.241
	1.2 DL	108000	0.995	1.489
	1.3 DL	119700	1.103	1.650

ROCK ANCHOR PROOF TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER		G 13 E	
ANCHOR LENGTH	55			ANCHOR DIAMETER		1.25 inch	
JACK NUMBER				CROSS SECTION AREA		1.32	
TEST LOAD (P)	90000			MODULUS		3000000	
ALIGNMENT LOAD				TECHNICIAN		J Riley	
TIME	LOAD	LOAD	PUMP	STARRETT	ELASTIC	ALLOWABLE	ALLOWABLE
	% DL	LBS	PSI	READING	MOVEMENT	MOVEMENT	MOVEMENT
						MIN	MAX
	AL						
	.25 DL	22500	950	0.154	0.154	0.207	0.310
	.50 DL	45000	1600	0.342	0.342	0.415	0.620
	.75 DL	67500	2275	0.532	0.532	0.622	0.931
	1.00 DL	90000	3300	0.829	0.829	0.829	1.241
	1.2 DL	108000	3500	0.883	0.883	0.995	1.489
	1.33 DL	119700	3800	0.970	0.970	1.103	1.650
	LOCK OFF						
NOTES:							
	1 minute	0.970					
	2 minutes	0.970					
	3 minutes	0.970					
	4 minutes	0.971					
	10 minutes	0.968					

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE 02/19/2004 BAR DESIGNATION G 13 W

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	54
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	44.5
		534
ROD LENGTH (MIN)		FEET
	BAR LENGTH	54
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	37
		29.6
		355.2

MODULUS X SECTION PRODUCT 30000000
 1.32
 39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (inches)
	.25 DL	22500	0.202	0.303
	.50 DL	45000	0.404	0.607
	.75 DL	67500	0.605	0.910
	1.0 DL	90000	0.807	1.214
	1.2 DL	108000	0.969	1.456
	1.3 DL	119700	1.074	1.614

ROCK ANCHOR PROOF TEST							
PORTLAND ME, FORE STREET OFFICE BLDG							
DATE	02/19/2004			ANCHOR NUMBER		G 13 W	
ANCHOR LENGTH	54			ANCHOR DIAMETER		1.25 inch	
JACK NUMBER				CROSS SECTION AREA		1.32	
TEST LOAD (P)	90000			MODULUS		3000000	
ALIGNMENT LOAD				TECHNICIAN		J Riley	
TIME	LOAD % DL	LOAD LBS	PUMP PSI	STARRETT READING	ELASTIC MOVEMENT	ALLOWABLE MOVEMENT MIN	ALLOWABLE MOVEMENT MAX
	AL						
	.25 DL	22500	950	0.162	0.162	0.202	0.303
	.50 DL	45000	1600	0.474	0.474	0.404	0.607
	.75 DL	67500	2275	0.608	0.608	0.605	0.910
	1.00 DL	90000	3300	0.969	0.969	0.807	1.214
	1.2 DL	108000	3500	1.022	1.022	0.969	1.456
	1.33 DL	119700	3800	1.119	1.119	1.074	1.614
	LOCK OFF						
NOTES:							
	1 minute	1.119					
	2 minutes	1.123					
	3 minutes	1.123					
	4 minutes	1.124					
	10 minutes	1.124					

PORTLAND ME, FORE STREET OFFICE BLDG
 CALCULATIONS FOR ALLOWABLE MOVEMENT 1 1/4 INCH 75 KSI
 MAINE DRILLING AND BLASTING

DATE **02/19/2004** BAR DESIGNATION **J 13 N**

$$\text{ALLOWABLE MOVEMENT} = \frac{\text{ROD LENGTH} \times \text{LOAD}}{\text{CROSS SECTION} \times \text{MODULUS OF ELASTICITY}}$$

ROD LENGTH (MAX)		FEET
	BAR LENGTH	52.8
	MINUS 50 % BOND LENGTH	7.5
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM FORMULA IN INCHES	43.3
		519.6
ROD LENGTH (MIN)		FEET
	BAR LENGTH	52.8
	MINUS BOND LENGTH	15
	DISTANCE TOP OF PILE TO JACKING PLATE	2
	STRESS LENGTH FOR MAXIMUM 80% FORMULA IN INCHES	35.8
		28.64
		343.68

MODULUS X SECTION PRODUCT 30000000
 1.32
 39600000

LOAD	DESIGN LOAD	90000 LBS	MIN ELASTIC MOVE (inches)	MAX ELASTIC MOVE (inches)
	.25 DL	22500	0.195	0.295
	.50 DL	45000	0.391	0.590
	.75 DL	67500	0.586	0.886
	1.0 DL	90000	0.781	1.181
	1.2 DL	108000	0.937	1.417
	1.3 DL	119700	1.039	1.571



CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 02/19/2004

Placement: SPREAD FOOTING AT L10, GRADE BEAM 11, 12, 59, 58, 17, 18,
FOOTING 1.8 LINE E.6 - L, WALLS ALONG 5 LINE + L LINE

Cylinders made by: KLG
Date Delivered: 02/19/2004
Date Made : 02/18/2004
Design Strength 28 days (psi): 4000

Temperatures (F) Air: 23
Concrete: 60
Slump (in): 2
Air (%): 5.5

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 154
Ticket #: 4508652
Load #: 2
Placement (cubic yards): 20 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-6A	02/25/2004	7	6	98.0	3470
G322-6B	03/17/2004	28		0.0	0
G322-6C	03/17/2004	28		0.0	0
G322-6D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
PUMP MIX WITH 2% POZZUTEC ADDED TO MIX.



CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET Job Number: 322
Date Received: 02/19/2004

Placement: SPREAD FOOTING AT L10, GRADE BEAM 11, 12, 59, 58, 17, 18,
FOOTING 1.8 LINE E.6 - L, WALLS ALONG 5 LINE + L LINE

Cylinders made by: KLG Temperatures (F) Air: 25
Date Delivered: 02/19/2004 Concrete: 64
Date Made : 02/18/2004 Slump (in): 3.5
Design Strength 28 days (psi): 4000 Air (%): 5.2

Client: OLYMPIA EQUITY INVESTORS Supplier: DRAGON

Mixer #: 181
Ticket #: 4508656
Load #: 5
Placement (cubic yards): 50 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-7A	02/25/2004	7	6	73.0	2580
G322-7B	03/17/2004	28		0.0	0
G322-7C	03/17/2004	28		0.0	0
G322-7D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
PUMP MIX WITH 2% POZZUTEC ADDED TO MIX.



S.W. COLE
ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 02/09/2004

Placement: GRADE BEAMS 12 TO 15 L TO N LINE, P.6 CAP G-12, SPREAD
FOOTING 11-N TO 3-H

Cylinders made by: DMR
Date Delivered: 02/09/2004
Date Made : 02/06/2004
Design Strength 28 days (psi): 4000

Temperatures (F) Air: 25
Concrete: 64
Slump (in): 4.5
Air (%): 5.3

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 169
Ticket #: 4508553
Load #: 3
Placement (cubic yards): 10 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-4A	02/13/2004	7	6	93.0	3290
G322-4B	03/05/2004	28	6	114.0	4030
G322-4C	03/05/2004	28	6	124.0	4390
G322-4D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
INITIAL SLUMP = 2.75 SUPER PLASTICIZER AND NO POLARSET.

GRAY, ME OFFICE

286 Portland Road, Gray, ME 04039 ■ Tel (207) 657-2866 ■ Fax (207) 657-2840 ■ E-Mail infogray@swcole.com ■ www.swcole.com

Other offices in Bangor, Caribou, and Augusta, Maine & Somersworth, New Hampshire



S.W. COLE

ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

CONCRETE COMPRESSION TEST ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 03/08/2004

Placement: GRAB BEAMS 6 TO 10, 11 TO 11 - A TO D

Cylinders made by: DMR
Date Delivered: 03/08/2004
Date Made : 03/05/2004
Design Strength 28 days (psi): 3000

Temperatures (F) Air: 48
Concrete: 62
Slump (in): 4.5
Air (%): 4.3

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 177
Ticket #: 4508871
Load #: 1
Placement (cubic yards): 7 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-13A	03/12/2004	7	6	73.0	2580
G322-13B	04/02/2004	28		0.0	0
G322-13C	04/02/2004	28		0.0	0
G322-13D	/ /	0		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
2% POLARSET ADDED TO MIX.

GRAY, ME OFFICE

286 Portland Road, Gray, ME 04039 ■ Tel (207) 657-2866 ■ Fax (207) 657-2840 ■ E-Mail infogray@swcole.com ■ www.swcole.com

Other offices in Bangor, Caribou, and Augusta, Maine & Somersworth, New Hampshire



Letter Of Transmittal

To: Olympia Equity Investors Attn: Greg Shinberg 50 Monument Square, 2 nd Floor Portland, Maine 04101	Date: March 16, 2004 Project No: 03-0711.1 Subject: 280 Fore Street Portland, Maine Materials Testing
---	--

We are sending you: Attached Under Separate Cover

<input type="checkbox"/> Investigation Report	<input type="checkbox"/> Prints	<input type="checkbox"/> Samples
<input checked="" type="checkbox"/> Laboratory Test Report(s)	<input type="checkbox"/> Copy of Letter(s)	<input type="checkbox"/> Invoice
<input type="checkbox"/> Field Test Report(s)	<input type="checkbox"/> Specifications	<input type="checkbox"/> Other

Description: Report of Gradation #1435G

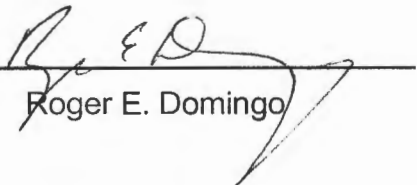
These are transmitted as checked below:

<input checked="" type="checkbox"/> For your information	<input checked="" type="checkbox"/> For your use
<input checked="" type="checkbox"/> As requested	<input type="checkbox"/> Returned

Remarks:

Copy to:
SMRT-Scott Kibler
Ledgewood-Mark Gagnon

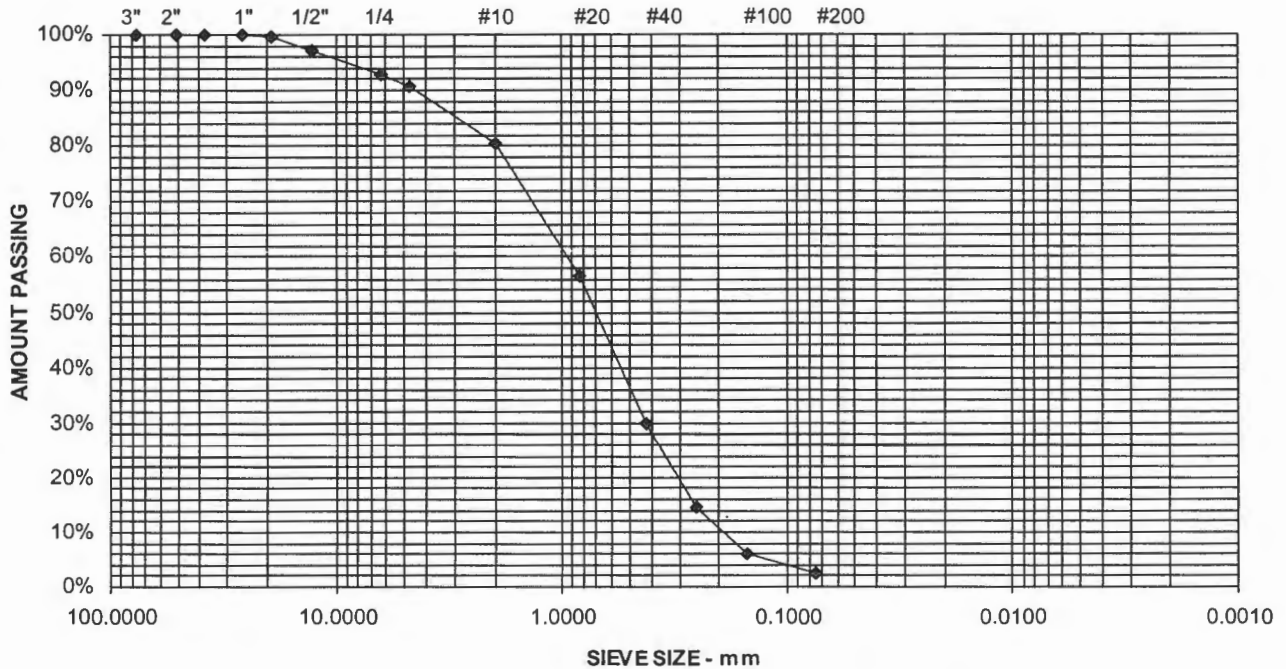
S. W. COLE ENGINEERING, INC.

BY: 
Roger E. Domingo

Project Name PORTLAND - PROPOSE FORE STREET OFFICE BUILDING - MATERIALS TESTING
 Client OLYMPIA EQUITY INVESTORS
 Material Type SELECT BACKFILL
 Material Source ONSITE STOCKPILE

Project Number 03-0711.1
 Lab ID 1435G
 Date Received 3/12/2004
 Date Complete 3/16/2004
 Tested By DALE RICKARDS

<u>STANDARD DESIGNATION (mm/μm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	<u>SELECT FILL SPECIFICATIONS (%)</u>
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	100
75 mm	3"	100	90 - 100
50 mm	2"	100	
38.1 mm	1-1/2"	100	
25.0 mm	1"	100	
19.0 mm	3/4"	100	
12.5 mm	1/2"	97	
6.3 mm	1/4"	93	25 - 90
4.75 mm	No. 4	91	
2.00 mm	No. 10	81	
850 μm	No. 20	57	
425 μm	No. 40	30	0 - 30
250 μm	No. 60	15	
150 μm	No. 100	6	
75 μm	No. 200	2.3	0.0 - 5.0



Comments MATERIAL CONSIDERED SUITABLE BY SWCE PROJECT GEOTECHNICAL ENGINEER

[Signature]
 Reviewed By



Letter Of Transmittal

To: Olympia Equity Investors
Attn: Greg Shinberg
50 Monument Square, 2nd Floor
Portland, Maine 04101

Date: March 24, 2004
Project No: 03-0711.1
Subject: 280 Fore Street
Portland, Maine
Materials Testing

We are sending you: Attached Under Separate Cover
 Investigation Report Prints Samples
 Laboratory Test Report(s) Copy of Letter(s) Invoice
 Field Test Report(s) Specifications Other

Description: Report of Gradation as well as Report of Moisture Density, both 1473G.

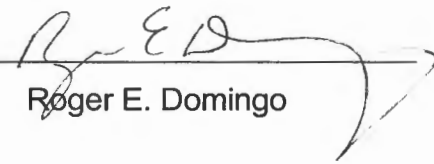
These are transmitted as checked below:

For your information For your use
 As requested Returned

Remarks:

Copy to:
SMRT-Scott Kibler
Ledgewood-Mark Gagnon

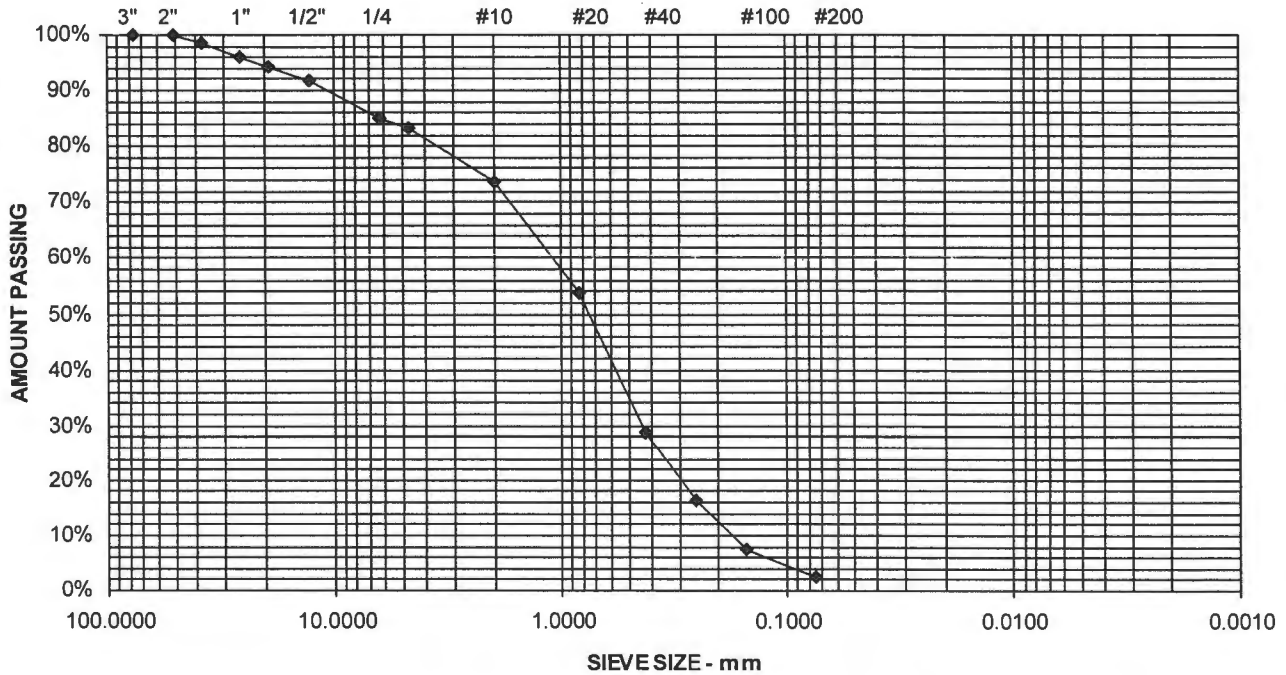
S. W. COLE ENGINEERING, INC.

BY: 
Roger E. Domingo

Project Name PORTLAND - PROPOSE FORE STREET OFFICE BUILDING -
MATERIALS TESTING
Client OLYMPIA EQUITY INVESTORS
Material Type SELECT BACKFILL
Material Source ONSITE STOCKPILE

Project Number 03-0711.1
Lab ID 1473G
Date Received 3/23/2004
Date Complete 3/24/2004
Tested By KATIE GUSTAFSON

<u>STANDARD DESIGNATION (mm/μm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	<u>SELECT FILL SPECIFICATIONS (%)</u>
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	100
75 mm	3"	100	90 - 100
50 mm	2"	100	
38.1 mm	1-1/2"	98	
25.0 mm	1"	96	
19.0 mm	3/4"	94	
12.5 mm	1/2"	92	
6.3 mm	1/4"	85	25 - 90
4.75 mm	No. 4	83	
2.00 mm	No. 10	74	
850 μm	No. 20	54	
425 μm	No. 40	29	0 - 30
250 μm	No. 60	16	
150 μm	No. 100	7	
75 μm	No. 200	2.4	0.0 - 5.0



Comments

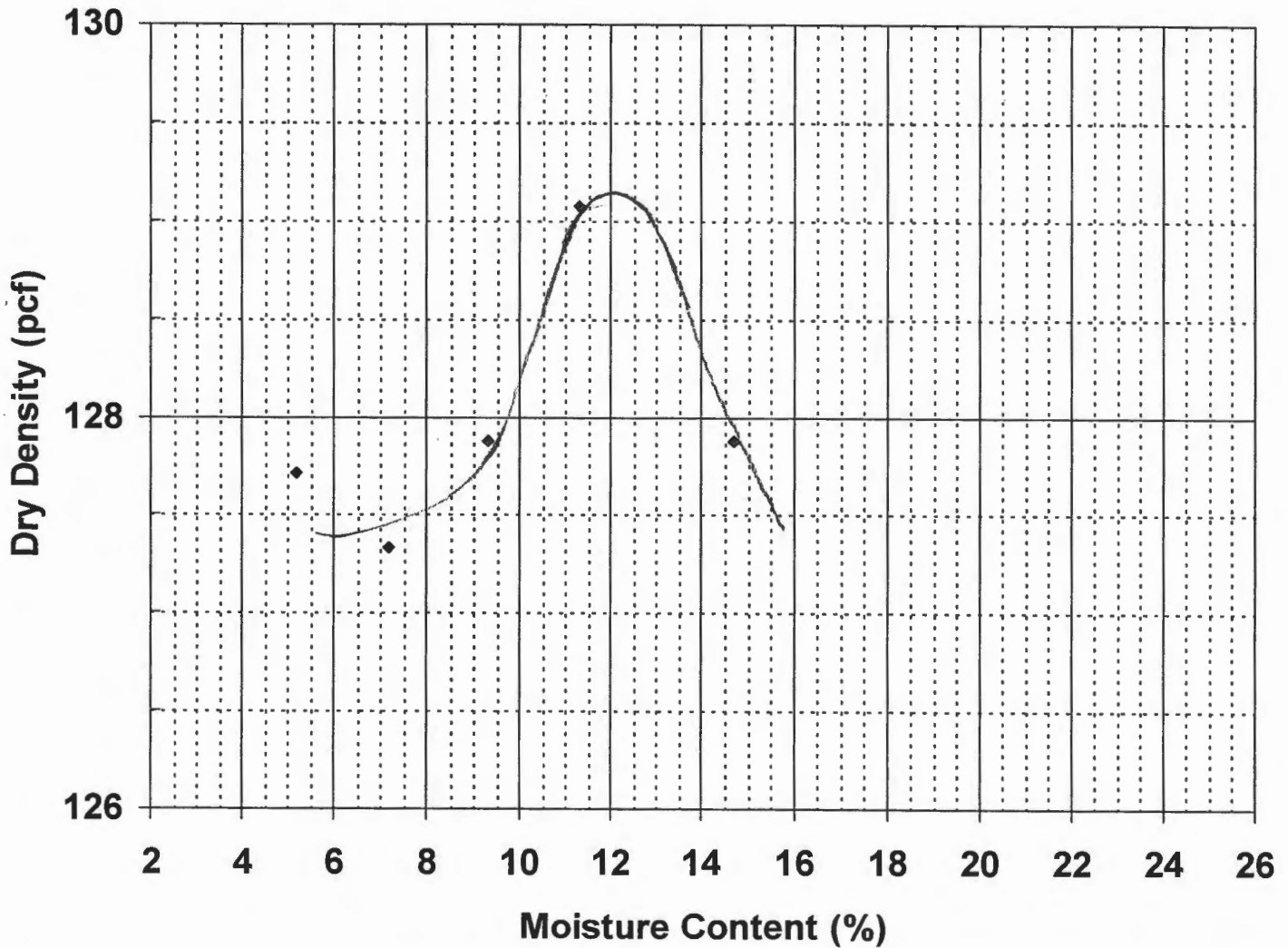
[Signature]
Reviewed By

Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure A

Project Name	PORTLAND - PROPOSE FORE STREET OFFICE BUILDING - MATERIALS TESTING	Project Number	03-0711.1
Client	OLYMPIA EQUITY INVESTORS	Lab ID	1473G
Material Type	SELECT BACKFILL	Date Received	3/23/2004
Material Source	ONSITE STOCKPILE	Date Completed	3/24/2004
		Tested By	

Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	129.2
Optimum Moisture Content (%)	12
Percent Oversized	16.7%

<u>Corrected Dry Density (pcf)</u>	<u>133.2</u>
<u>Corrected Moisture Content (%)</u>	<u>10.3</u>

Comments

[Signature]
Reviewed By



Letter Of Transmittal

To: Olympia Equity Investors Attn: Greg Shinberg 50 Monument Square, 2 nd Floor Portland, Maine 04101	Date: March 29, 2004 Project No: 03-0711.1 Subject: 280 Fore Street Portland, Maine Materials Testing
---	--

We are sending you: Attached Under Separate Cover

Investigation Report Prints Samples

Laboratory Test Report(s) Copy of Letter(s) Invoice

Field Test Report(s) Specifications Other

Description: Report of Gradation ID# 1473G, Report of Moisture Density ID# 1473G

These are transmitted as checked below:

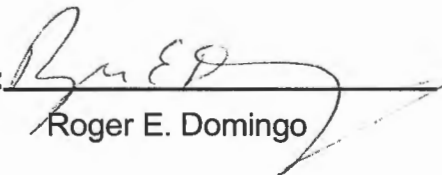
For your information For your use

As requested Returned

Remarks:

Copy to:
SMRT-Scott Kibler
Ledgewood-Mark Gagnon

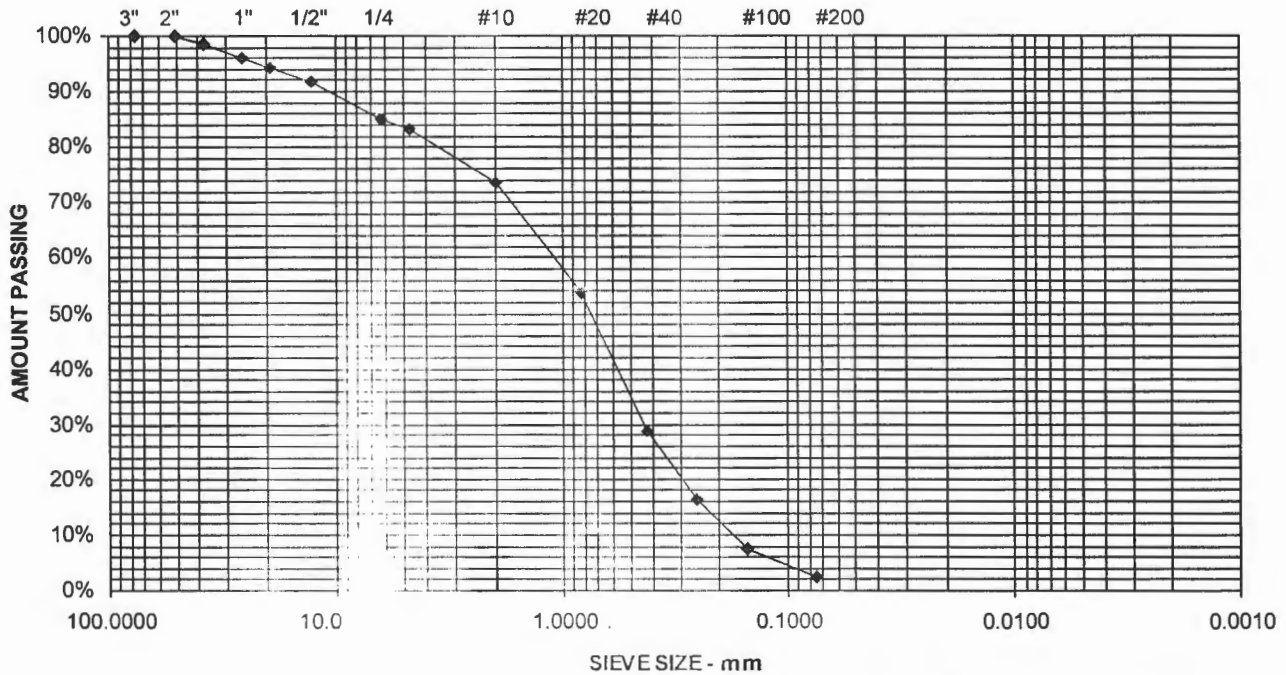
S. W. COLE ENGINEERING, INC.

BY: 
Roger E. Domingo

Project Name PORTLAND - PROPOSE FORE STREET OFFICE BUILDING - MATERIALS TESTING
 Client OLYMPIA EQUITY INVESTORS
 Material Type SELECT BACKFILL
 Material Source ONSITE STOCKPILE

Project Number 03-0711.1
 Lab ID 1473G
 Date Received 3/23/2004
 Date Complete 3/24/2004
 Tested By KATIE GUSTAFSON

<u>STANDARD DESIGNATION (mm/μm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	<u>SELECT FILL SPECIFICATIONS (%)</u>
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	100
75 mm	3"	100	90 - 100
50 mm	2"	100	
38.1 mm	1-1/2"	98	
25.0 mm	1"	96	
19.0 mm	3/4"	94	
12.5 mm	1/2"	92	
6.3 mm	1/4"	85	25 - 90
4.75 mm	No. 4	83	
2.00 mm	No. 10	74	
850 μm	No. 20	54	
425 μm	No. 40	29	0 - 30
250 μm	No. 60	16	
150 μm	No. 100	7	
75 μm	No. 200	2.4	0.0 - 5.0

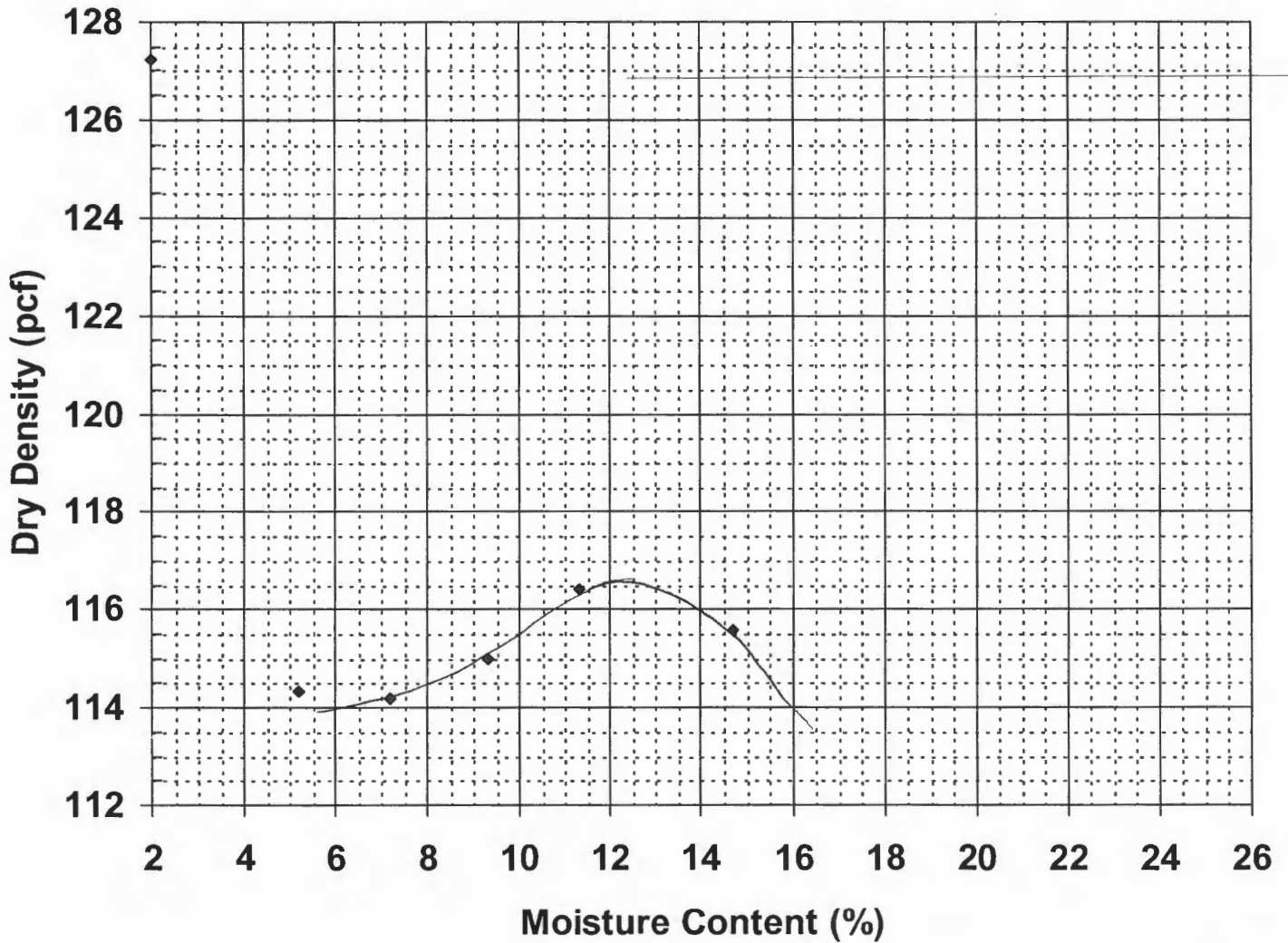


Comments

[Signature]
 Reviewed By

Project Name	PORTLAND - PROPOSE FORE STREET OFFICE BUILDING - MATERIALS TESTING	Project Number	03-0711.1
Client	OLYMPIA EQUITY INVESTORS	Lab ID	1473G
Material Type	SELECT BACKFILL	Date Received	3/23/2004
Material Source	ONSITE STOCKPILE	Date Completed	3/24/2004
		Tested By	

Moisture-Density Relationship Curve



Maximum Dry Density (pcf) 116.5
 Optimum Moisture Content (%) 12.5
 Percent Oversized 16.7%

Corrected Dry Density (pcf) **121.8**
Corrected Moisture Content (%) **10.7**

Comments

[Signature]
 Reviewed By



Letter Of Transmittal

To: Olympia Equity Investors
Attn: Greg Shinberg
50 Monument Square, 2nd Floor
Portland, Maine 04101

Date: March 30, 2004
Project No: 03-0711.1
Subject: 280 Fore Street
Portland, Maine

We are sending you: Attached Under Separate Cover
 Investigation Report Prints Samples
 Laboratory Test Report(s) Copy of Letter(s) Invoice
 Field Test Report(s) Specifications Other

Description: Field Density Test Results for tests 1 through 3, dated March 29, 2004.

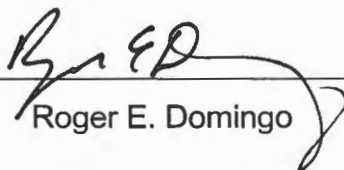
These are transmitted as checked below:

For your information For your use
 As requested Returned

Remarks:

Copy to:
SMRT-Scott Kibler
Ledgewood-Mark Gagnon

S. W. COLE ENGINEERING, INC.

BY: 
Roger E. Domingo

Report of Field Density

ASTM D2922

Project: **PORTLAND - PROPOSE FORE STREET OFFICE BUILDING - MATERIALS TESTING** Project Number: **03-0711.1**
 Client: **OLYMPIA EQUITY INVESTORS**

Field Density Test Results

Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
1	3/29/2004	KLG	Dumpster Slab - Left	12.75	12	1473G	118.3	3.2	97.1	95
2	3/29/2004	KLG	Dumpster Slab - Middle	12.75	12	1473G	118.3	3.0	97.1	95
3	3/29/2004	KLG	Dumpster Slab - Right	12.75	12	1473G	117.9	3.3	96.8	95

Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
1473G	3/23/2004	Onsite Stockpile	Select Backfill	ASTM D-1557 Modified	121.8	10.7	

Elevation Notes:

Comments:


 Reviewed By



CONCRETE COMPRESSION TEST ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 03/08/2004

Placement: GRAB BEAMS 6 TO 10, 11 TO 11 - A TO D

Cylinders made by: DMR
Date Delivered: 03/08/2004
Date Made : 03/05/2004
Design Strength 28 days (psi): 3000

Temperatures (F) Air: 48
Concrete: 62
Slump (in): 4.5
Air (%): 4.3

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 177
Ticket #: 4508871
Load #: 1
Placement (cubic yards): 7 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-13A	03/12/2004	7	6	73.0	2580
G322-13B	04/02/2004	28	6	111.0	3930
G322-13C	04/02/2004	28	6	109.0	3860

G322-13D / / 0 0.0 0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
2% POLARSET ADDED TO MIX.

CONCRETE COMPRESSION TEST
ASTM C-39

Project: 280 FORE STREET

Job Number: 322
Date Received: 03/19/2004

Placement: GRADE BEAMS 5, 6 AND 60

Cylinders made by: KLG
Date Delivered: 03/19/2004
Date Made : 03/18/2004
Design Strength 28 days (psi): 4000

Temperatures (F) Air: 34
Concrete: 58
Slump (in): 7
Air (%): 6.0

Client: OLYMPIA EQUITY INVESTORS

Supplier: DRAGON

Mixer #: 169
Ticket #: 4509040
Load #: 2
Placement (cubic yards): 6 CY +/-
Aggregate Size: 3/4"

Cylinder Designation	Date of Test	Age (days)	Type of Break	Load (kips)	Strength (psi)
G322-15A	03/25/2004	7	6	75.0	2650
G322-15B	04/15/2004	28	6	95.0	3360
G322-15C	04/15/2004	28	6	114.5	4050
G322-15D	05/13/2004	56		0.0	0



Remarks: Cylinder diameter is 6 inches unless otherwise noted.
SUPER AND 2% POLARSET ADDED TO MIX.

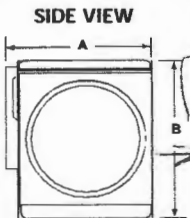
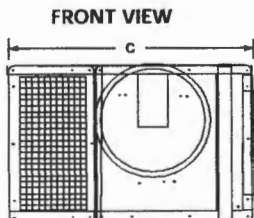
Mike Newquist

IN-FORCER MODEL APPLICATION CHART

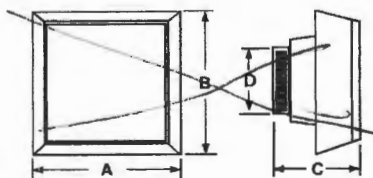
MODEL	BTU/HR INPUT	GAS ATMOSPHERIC		GAS POWER BURNER WITH BAROMETRIC		OIL FLAME RETENTION WITH BAROMETRIC		GAS POWER BURNER WITHOUT BAROMETRIC	
		MAX DUCT LENGTH IN EQUIV. FEET	RIGID DUCT DIAMETER IN INCHES	MAX DUCT LENGTH IN EQUIV. FEET	RIGID DUCT DIAMETER IN INCHES	MAX DUCT LENGTH IN EQUIV. FEET	RIGID DUCT DIAMETER IN INCHES	MAX DUCT LENGTH IN EQUIV. FEET	RIGID DUCT DIAMETER IN INCHES
PAI-3	150,000	100	6	100	6	100	6	100	6
	200,000	100	6	100	6	100	6	100	6
	250,000	100	6	100	6	100	6	100	6
	275,000	100	8	100	6	100	6	100	6
PAI-4	300,000	100	8	100	6	100	6	100	6
	350,000	100	8	100	6	100	6	100	6
	400,000	100	8	100	8	100	6	100	6
	450,000	52	10	100	8	100	6	100	6
PAI-5	500,000	100	10	100	8	100	8	100	8
	550,000	100	10	100	8	100	8	100	8
	600,000	100	10	100	10	100	8	100	8
	650,000	100	10	100	10	100	8	100	8
PAI-6	700,000	100	10	100	10	100	8	100	8
	775,000	100	10	100	10	95	10	100	8
	850,000	100	10	100	10	100	10	100	10
	900,000	100	10	100	10	100	10	100	10
PAI-7	950,000	100	10	100	10	100	10	100	10
	1,000,000	100	10	100	10	100	10	100	10
	1,100,000	100	10	100	10	100	10	100	10
	1,200,000	100	10	100	10	100	10	100	10
PAI-8	1,300,000	95	10	100	10	100	10	100	10
	1,400,000	100	12	100	10	100	10	100	10
	1,500,000	100	12	100	10	100	10	100	10
	1,600,000	100	12	100	10	100	10	100	10
	1,700,000	100	12	100	10	100	10	100	10
	1,800,000	100	12	100	12	100	10	100	10
	1,900,000	100	12	100	12	100	10	100	10
	2,000,000	100	12	100	12	100	10	100	10
	2,100,000	98	12	100	12	100	10	100	10
	2,200,000			100	12	100	10	100	10
	2,300,000			100	12	100	12	100	10
	2,400,000			100	12	100	12	100	10
2,500,000			100	12	100	12	100	12	
2,600,000			100	12	100	12	100	12	
2,700,000			100	12	100	12	100	12	
2,800,000			100	12	100	12	100	12	
2,900,000			98	12	100	12	100	12	
3,000,000					100	12	100	12	
3,100,000					100	12	100	12	
3,200,000					100	12	100	12	
3,300,000					100	12	100	12	
3,400,000					100	12	100	12	
3,500,000					100	12	100	12	
3,600,000					100	12	100	12	
3,700,000					100	12	100	12	

Multiple IN-FORCERS may be installed for capacities larger than shown on chart. Tjernlund UB-Series Universal Blowers are available for larger capacity applications.

DIMENSIONS (in inches)



	UNIT SIZE			DIA. IN/OUT
	A	B	C	
PAI-3	12	9-1/2	20	6
PAI-4	12	9-1/2	20	8
PAI-5	13-3/4	15-1/4	24-1/4	10
PAI-6	13-3/4	15-1/4	24-1/4	10
PAI-7	16-5/8	18	32	12



	HOODS			
	A	B	C	D
PAI-3	14	14	8-1/4	6
PAI-4	17-1/2	17-1/2	10-3/4	8
PAI-5	24-1/2	24-1/2	10-1/2	10
PAI-6	24-1/2	24-1/2	10-1/2	10
PAI-7	31	31	11	12

Handwritten notes and calculations:

- 16 1/2
- 13 3/4
- 10 x 6 = 48
- 10 x 10
- NOV - 8
- 25
- 15 in

DISTRIBUTED BY:

Lt McDougle
 280 Fore St.
 Boiler Rooms
 Combustion air Fan



TJERNLUND PRODUCTS, INC.

1601 Ninth Street White Bear Lake, MN 55110-6794
 Phone: 651.426.2993 800.255.4208 Fax: 651.426.9547
 Visit our web site: www.tjernlund.com

Copyright © 2003 Tjernlund Products, Inc. All rights reserved P/N 8500402 Rev B 8/03