

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-1409	Issue Date:	CBL: 047 A013001
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Location of Construction: 795 Congress St	Owner Name: Random Orbit Inc	Owner Address: 17 Chestnut St	Phone:
Business Name:	Contractor Name: Dead River Company	Contractor Address: PO Box 467 Scarborough	Phone 2078839515
Lessee/Buyer's Name	Phone:	Permit Type: <i>TANKS Commercial</i>	Zone: <i>B-2b</i>

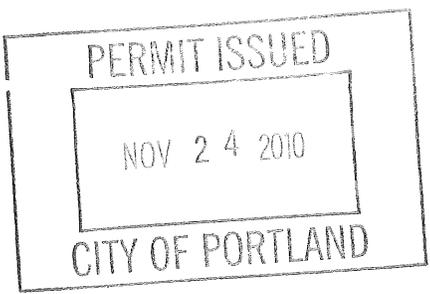
Past Use: Commercial	Proposed Use: Commercial / Install two (2) 120 gallon gas tanks. <i>temporarily construction</i>	Permit Fee: \$30.00	Cost of Work: \$30.00	CEO District: 2
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>*See Condition</i>	INSPECTION: Use Group: <i>N/A</i> Type: <i>LP TANKS</i> <i>NPPA 58</i>	

Proposed Project Description: Install two (2) 120 gallon gas tanks.	Signature: <i>(KG)</i>	Signature: <i>JMB 11/24/10</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: <i>gg</i>	Date Applied For: 11/10/2010	Zoning Approval
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- 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 <input type="checkbox"/> Major <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/>	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	Historic Preservation <i>within</i> <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
Date: <i>11/15/10</i>	Date: _____	Date: <i>11/24/10</i>



SCANNED

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

Any permanent exterior work requires a separate review & approval

City of Portland, Maine - Building or Use Permit

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

Permit No: 10-1409	Date Applied For: 11/10/2010	CBL: 047 A013001
-----------------------	---------------------------------	---------------------

Location of Construction: 795 Congress St	Owner Name: Random Orbit Inc	Owner Address: 17 Chestnut St	Phone:
Business Name:	Contractor Name: Dead River Company	Contractor Address: PO Box 467 Scarborough	Phone (207) 883-9515
Lessee/Buyer's Name	Phone:	Permit Type: Tanks - Commercial	

Proposed Use: Commercial / Install two (2) 120 gallon gas tanks for temporary heat during construction	Proposed Project Description: Install two (2) 120 gallon gas tanks for temporary heat during construction
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Dept: Zoning Status: Approved with Conditions Reviewer: Marge Schmuckal Approval Date: 11/15/2010

Note: Ok to Issue:
 1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work. It is understood that these tanks are temporary to be used during construction.

Dept: Building Status: Approved Reviewer: Jeanine Bourke Approval Date: 11/24/2010

Note: Ok to Issue:



CITY OF PORTLAND, MAINE
 Department of Building Inspections

Original Receipt

Received from: Dead River Co.
 Date: Nov. 10 2010

Location of Work: 795 Congress

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 30.00

Building (1L) _____ Plumbing (1S) _____ Electrical (1Z) _____ Site Plan (1Z) _____

Other: NAC Tanks

CBL: 047 A013001

Check #: Cash Total Collected \$ 30.00

**No work is to be started until permit issued.
 Please keep original receipt for your records.**

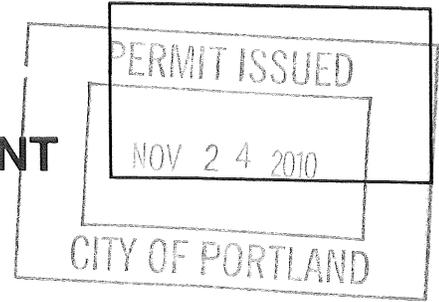
Taken by: [Signature]

WHITE - Applicant's Copy
 YELLOW - Office Copy
 PINK - Permit Copy



FILL IN AND SIGN WITH INK

APPLICATION FOR PERMIT HEATING OR POWER EQUIPMENT



To the INSPECTOR OF BUILDINGS, PORTLAND, ME.

The undersigned hereby applies for a permit to install the following heating, cooking or power equipment in accordance with the Laws of Maine, the Building Code of the City of Portland, and the following specifications:

Location / CBL 047 A 013 Use of Building MULTI Date _____

Name and address of owner of appliance 795 CONGRESS ST

Installer's name and address DEAD RIVER CO.
73 PLEASANT HILL RD - SCARBOROUGH Telephone 883-9515

Location of appliance:

- Basement
- Attic
- Floor
- Roof

Type of Fuel:

- Gas
- Oil
- Solid

Appliance Name:

U.L. Approved Yes No

Will appliance be installed in accordance with the manufacture's installation instructions? Yes No

IF NO Explain: _____

The Type of License of Installer:

- Master Plumber # _____
- Solid Fuel # _____
- Oil # _____
- Gas # PNT # 3776
- Other _____

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NOV 10 2010

Dept. of Building Inspections
City of Portland Maine

Type of Chimney:

Masonry Lined
Factory built _____

Metal
Factory Built U.L. Listing # _____

Direct Vent
Type _____ UL# _____

Type of Fuel Tank

- Oil
- Gas for Temp. Construct.

Size of Tank 120

Number of Tanks 2

Distance from Tank to Center of Flame + 25 feet.

Cost of Work: \$ 0-

Permit Fee: \$ 30.00

Approved

Approved with Conditions

Fire: _____

Ele.: _____

Bldg.: _____

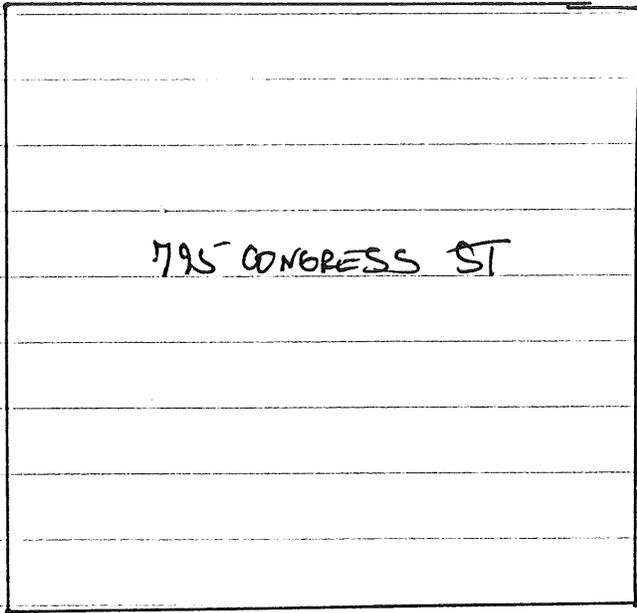
See attached letter or requirement

Signature of Installer DEAD RIVER CO. BY

Inspector's Signature [Signature]

Date Approved _____

FENCE
UL6 GAS LINE
PROPOSED 2/120
LP TANKS



CONGRESS ST

Jeanie Bourke - RE: 795 Congress - Peloton Bldg

From: Jeanie Bourke
To: Kevin Gough
Date: 11/15/2010 3:28 PM
Subject: RE: 795 Congress - Peloton Bldg

047-A-013

Kevin, I just spoke with Deb, she is ok with the change.
 Jeanie

>>> "Kevin Gough" <gough@archetypepa.com> 11/12/2010 10:17 AM >>>
 Jeanie,

It has been a month or so since we last discussed the building at 795 Congress. We are well underway; almost fully framed now.

Attached is a revised version of the wall construction along the property lines which you requested to have re-issued per the email below. As we discussed on the telephone back in September, as I remember it, the roof rafters are contained within the rated assembly, and therefore will rest on the wall plate without violating the required rating of the exterior wall. The interior gypsum board will be cut in and sealed at the web and flanges of all wood I-joists and will create a continuous rating from foundation to underside of roof decking.

Also attached is the revised structural roof framing plan which shows the reduction of the eave overhangs along the sides to 12" rather than the previous 18". This change has been sent to Deb Andrews, since it was an historic requirement, simply to inform her of the change. We have not, however, heard back from her yet, though it has been a couple of weeks. My feeling is that she simply needed to be made aware of the change, given that we have no real option according to the building code. I am certain she will allow such a minor alteration because it is currently framed and looks great, and is barely a noticeable difference from the front to the side. I believe the current design meets the intent of the historic board. Perhaps you might reach out to her to verify my assumptions, as I have not heard anything back from her on this.

As always, don't hesitate to call if you have any questions or concerns. You should also swing by the building sometime to check it out. It looks great, if I do say so myself.

Thanks again.

Kevin Gough, Architect

Archetype, P.A.

48 Union Wharf

Portland, ME 04101

Phone: (207) 772-6022

gough@archetypepa.com

<http://www.archetype-architects.com>

From: Jeanie Bourke [mailto:JMB@portlandmaine.gov]

Sent: Friday, September 24, 2010 9:40 AM

To: Kevin Gough

Cc: 'Peter Bass-Developers Collaborative'; 'Bill Cuddy'; 'Dorian Tarling'; whart@portlandbuilders.com; 'David Tetreault'

Subject: Re: 795 Congress - Peloton Bldg

Hi Kevin,

This looks good, however is there a typo in detail 2? The wording conflicts with the language at the top of the page and detail W4.

I was also thinking the structural engineer may need to weigh in on the roof rafter design on the bearing walls, will the attachment detail change as the rafter cannot sit on the wall plate?

As far as the eave overhang, have you confirmed with Deb Andrews that she will accept this change?

Thanks, I have to remember, if not sprinkled, this applies to exterior walls that are within 5' of the property line or where openings are not permitted, or they must be protected.

Let me know about the above questions

Thanks

Jeanie Bourke
CEO/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

>>> "Kevin Gough" <gough@archetypepa.com> 9/23/2010 2:47 PM >>>

Jeanie,

I am issuing the attached sketch to the contractor to incorporate into the documents this revised wall assembly in accordance with the 704.11 provision for rated walls near a property line, and the continuation of the rating to the underside of the deck. The sketch achieves this as we have discussed.

In addition, per your citation of section 704.2 and the eave projections, I am instructing the structural engineer to limit the eave projection to 12 inches on the two rated walls along the property lines (east and west). The drawings to show our conformance with this will be sent along to you when complete. I must say, I guess because I so rarely do an unsprinkled building, that line in the code took me by surprise. Nice catch. I never say that one coming when Historic asked us to include those projections.

I will be in touch.

Kevin Gough, Architect

Archetype, P.A.

48 Union Wharf

Portland, ME 04101

Phone: (207) 772-6022

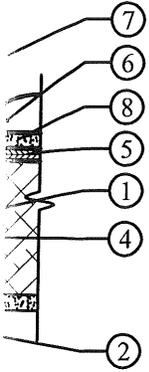
gough@archetypepa.com

<http://www.archetype-architects.com>

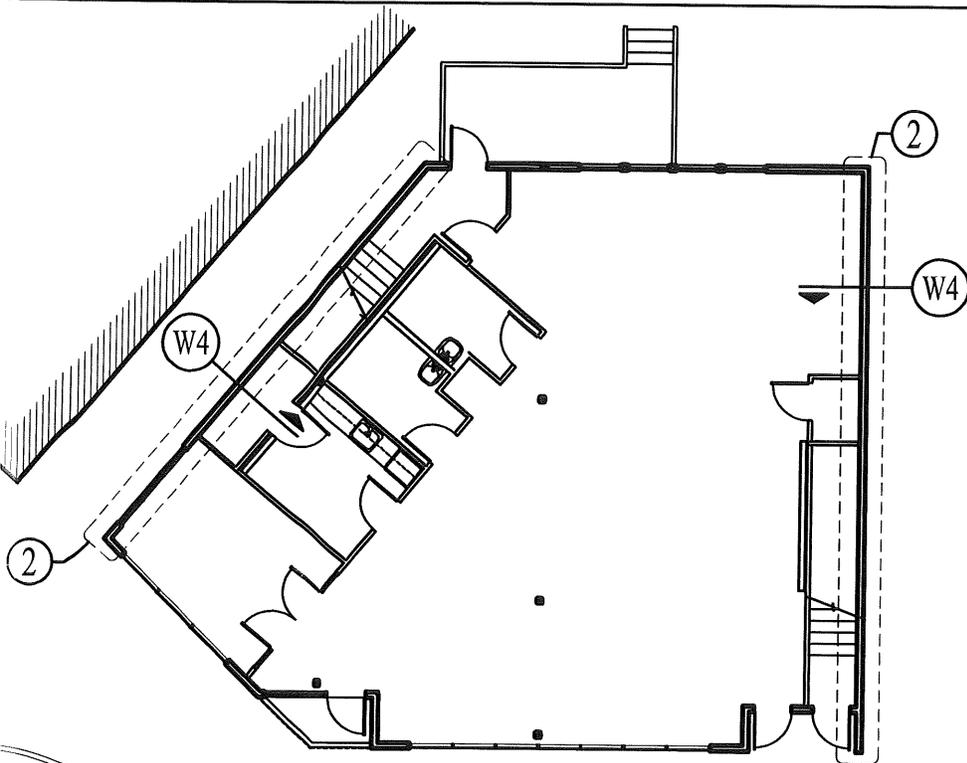
ED OVER EXTERIOR WOOD SHEATHING AT EAST AND
S INTERIOR GYP TO BE RUN TO UNDERSIDE OF ROOF
OISTS.

W4 EXTERIOR BEARING & NON-BEARING WALL RATING - 1 HOUR
GA FILE NO. WP8105
R-VALUE = 33

1. **Wood Studs** -- Nom 2 by 6 in. spaced 16 in. OC with two 2 by 6 in. top and one 2 by 6 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5) and effectively fire stopped at top and bottom of wall.
2. **Wallboard, Gypsum** -- Any UL Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.
3. **Joints and Nailheads** -- (Not Shown) -- Wallboard joints covered with tape and joint compound. Nail heads covered with joint compound.
4. **Fiber, Sprayed** -- Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft³. Insulation substitution allowed with UL Test U311, Alternate Item "4B - Fiber, Sprayed".
5. **Wood Structural Panel Sheathing** -- Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing". Installed with long dimension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 6 in. wood blocking. Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 12 in. OC along interior studs. (ADDED)
6. **Water Resistive Barrier** - Commercial grade breathable moisture and air barrier. (ADDED)
7. **Corrugated Metal Siding** (ADDED)
8. **GEORGIA PACIFIC DENSGLOSS GOLD EXTERIOR SHEATHING.** - One layer 48" wide 5/8" type X gypsum sheathing applied parallel to wood studs 24" O.C. with 1-3/4" galvanized roofing nails 4" o.c. at vertical joints and 7" o.c. at intermediate studs and top and bottom plates.



EXTERIOR WALL



PLAN LOCATING RATED EXTERIOR WALLS
SCALE: NTS

ARCHETYPE, P.A.
ARCHITECTS

48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Scale
SEE DETAIL

Date
12 October 2010

DENSGLOSS GOLD EXTERIOR SHEATHING
WALLS AND INTERIOR
GYPSUM RUN TO UNDERSIDE
OF ROOF DECKING

ADDENDUM TO SHEETS A3.01 & A4.01

Project:

PELTON BUILDING

795 CONGRESS STREET
PORTLAND, MAINE

SK1
REVISED

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NOV 12 2010

Dept. of Building Inspections
City of Portland Maine

Jeanie Bourke - Peleton Building - Exterior Wall Continuity and Eave Projection Detail

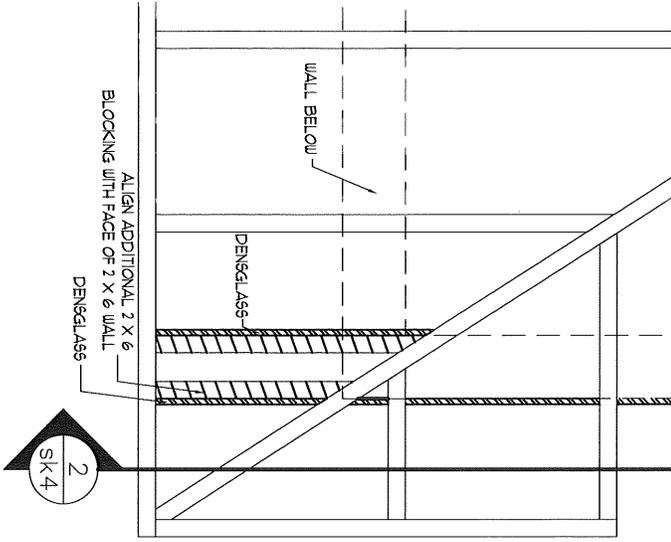
From: "Erika Hackett" <erika@archetypepa.com>
To: <jmb@portlandmaine.gov>
Date: 12/8/2010 10:17 AM
Subject: Peleton Building - Exterior Wall Continuity and Eave Projection Detail
CC: "Kevin Gough" <gough@archetypepa.com>
Attachments: SK-4.pdf

Jeanie,
Kevin asked me to send you the attached SK for the Peleton Building which addresses your question about the exterior wall continuity and eave projection. Please let me know if you need anything else.

Thanks,
Erika

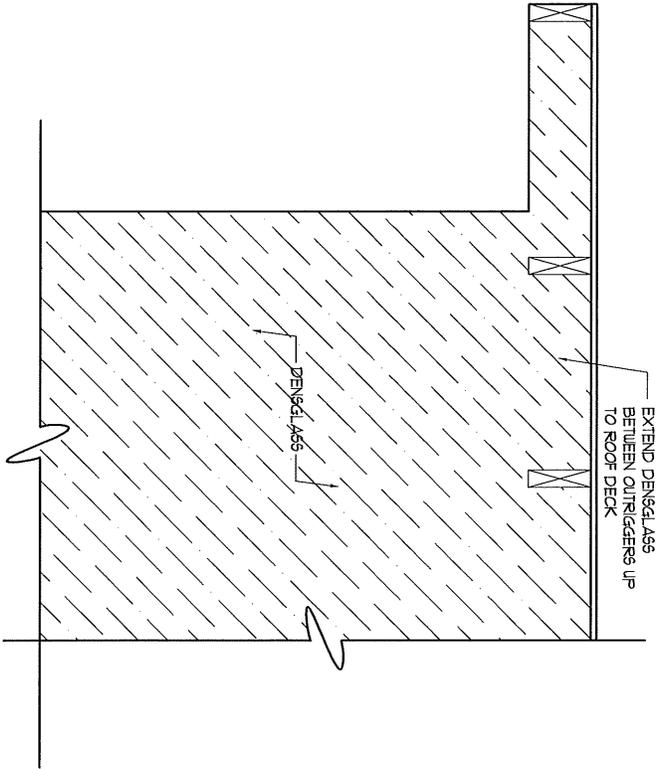
Erika Hackett, LEED AP
Archetype, P.A.
48 Union Wharf
Portland, ME 04101
Phone: (207) 772-6022
Fax: (207) 772-4056
erika@archetypepa.com
<http://www.archetype-architects.com>

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City of Portland Maine



1 ROOF FRAMING PLAN

SCALE: 3/4"=1'-0"



2 SECTION

SCALE: 3/4"=1'-0"

Dept. of Building Inspections
City of Portland Maine
DEC - 8 2010

RECEIVED

SK-4	SKETCH TO SHEETS S1.03		Date 1 December 2010	Scale SEE DETAIL	ARCHETYPE, P.A. ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056
	Project: PELTON BUILDING		GYP. SHEATHING		
	795 CONGRESS STREET PORTLAND, MAINE				

Jeanie Bourke - Re: Peleton Building - Column/Beam Fireproofing SK8

From: Jeanie Bourke
To: Jared McKenna; bcuddy@portlandbuilders.com; dtarling@portlandbuilders....
Date: 12/10/2010 8:31 AM
Subject: Re: Peleton Building - Column/Beam Fireproofing SK8
CC: 'Kevin Gough'; Nicholas Adams

Thank you Jared,
Please provide the fire resistance classification UL design for each application and the product information.

Jeanie Bourke
CEO/Plan Reviewer

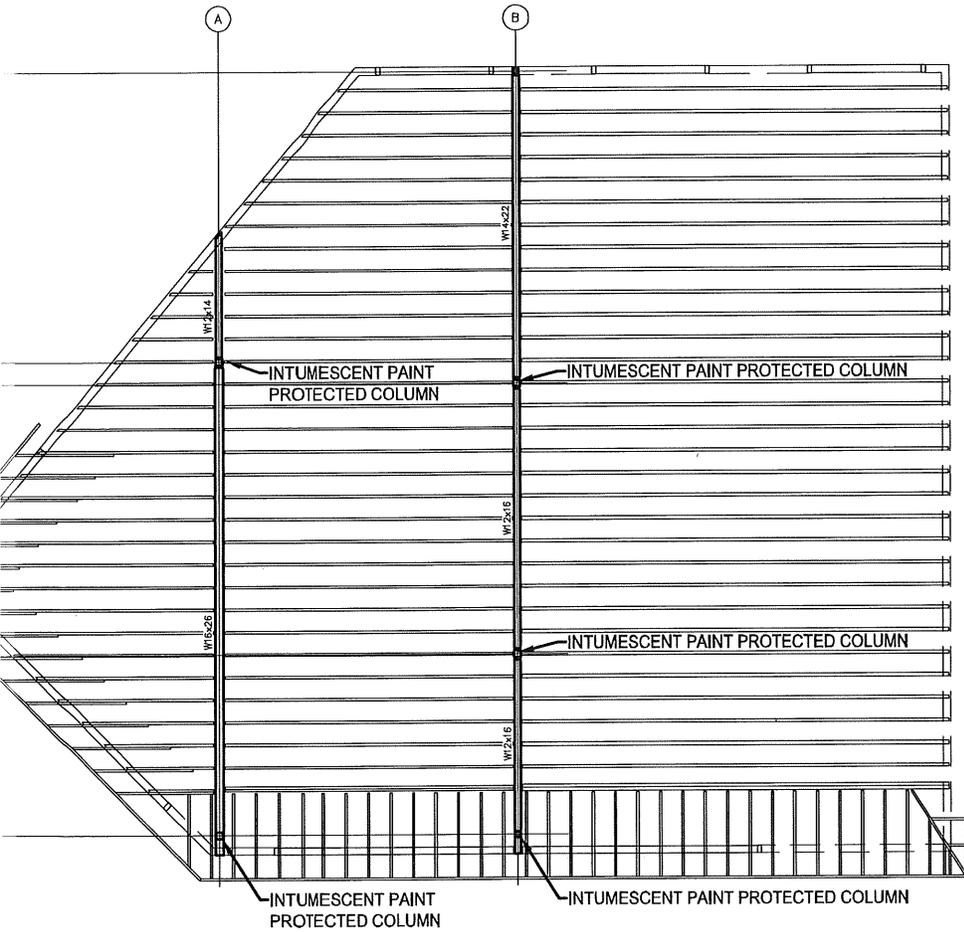
City of Portland
Planning & Urban Development Dept./ Inspections Division
389 Congress St. Rm 315
Portland, ME 04101
jmb@portlandmaine.gov
(207)874-8715

>>> "Jared McKenna" <jared@archetypepa.com> 12/9/2010 4:00 PM >>>
Attached is SK8 for the Peloton Building at 795 Congress St. It shows Intumescent paint being applied to the exposed steel columns and beams to achieve a 1 hour fire rating.

Jared McKenna
Archetype, P.A.
48 Union Wharf
Portland, ME 04101
(207) 772-6022 (16)
(207) 772-4056-Fax
jared@archetypepa.com
<http://www.archetype-architects.com>

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DEC -9 2010
Dept. of Building Inspections
City of Portland Maine

FIRST FLOOR COLUMNS & BEAMS AND SECOND FLOOR COLUMNS TO BE PAINTED WITH "ALBI" INTUMESCENT PAINT AT A THICKNESS PROVIDING FOR A 1 HR FIRE PROTECTION.



2 | ROOF FRAMING
SCALE: N.T.S.

ARCHETYPE, P.A.
ARCHITECTS

48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Date 9 December 2010
Scale SEE DETAIL

COLUMN / BEAM
FIREPROOFING

SKETCH TO SHEETS S1.02, S1.03

Project:
PELTON BUILDING
795 CONGRESS STREET
PORTLAND, MAINE

RECEIVED

DEC -9 2010

Dept. of Building Inspections
City of Portland Maine

SK-8

Final Report of Special Inspections

Project: *Peloton Building*

Location: *795 Congress Street, Portland, ME*

Owner: *Random Orbit, LLC*

Owner's Address: *17 Chestnut Street
Portland, ME 04101*

Architect of Record: *Archetype, P.A.*

Structural Engineer of Record: *Structural Design Consulting, Inc.
22 Oakmont Drive, Old Orchard Beach, ME 04064*

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments: *No outstanding issue*

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

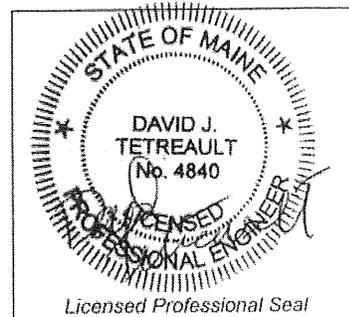
Respectfully submitted,
Special Inspector

David J. Tetreault, P.E.

(Type or print name)

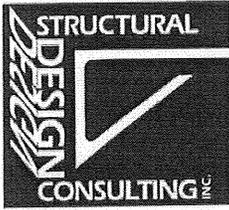
David J. Tetreault
Signature

01/26/11
Date



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FEB - 9 2011



22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

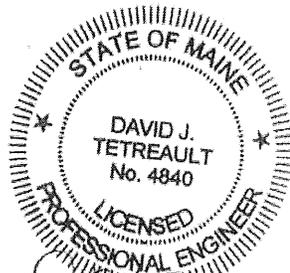
MEMORANDUM

Date: January 26, 2011
Project: Peloton, 795 Congress Street
To: Kevin Gough, Archetype, P.A.
From: David Tetreault
Subject: Support of Roof Top Units

Kevin,

I have reviewed the load-carrying capacity of the roof framing at 795 Congress Street. The purpose of the review was to determine whether the rooftop units installed as part of design-build mechanical system can be supported by the roof framing. The new units are Trane YSC060E. There are two units. One is located between grids A and B. The other is located between grid B and the east exterior wall. The total weight of each unit is 613 pounds. I have determined that the roof framing has sufficient capacity to support the weight of the proposed units, the roof dead load (self weight) and the code required environmental loadings.

Please let me know if I can be of further assistance.



SIGNATURE:

David Tetreault

copy to:

Statement of Special Inspections

Project: *Peloton Building*
 Location: *795 Congress Street, Portland, ME*
 Owner: *Random Orbit, LLC 17 Chestnut Street Portland, ME 04101*
 Design Professional in Responsible Charge: *David J. Tetreault, P.E.*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

- Structural Mechanical/Electrical/Plumbing
 Architectural Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

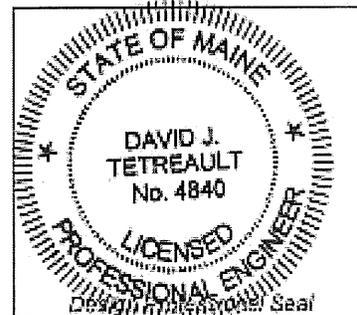
Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: *As Required* or per attached schedule.

Prepared by:

David J. Tetreault, P.E.
 (type or print name)

David J. Tetreault *09/07/10*
 Signature Date



Owner's Authorization:

Building Official's Acceptance:

 Signature Date

 Signature Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Soils and Foundations
<input checked="" type="checkbox"/> Cast-in-Place Concrete
<input type="checkbox"/> Precast Concrete
<input type="checkbox"/> Masonry
<input checked="" type="checkbox"/> Structural Steel
<input type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Spray Fire Resistant Material
<input checked="" type="checkbox"/> Wood Construction
<input type="checkbox"/> Exterior Insulation and Finish System
<input type="checkbox"/> Mechanical & Electrical Systems
<input type="checkbox"/> Architectural Systems
<input type="checkbox"/> Special Cases |
|--|---|

Special Inspection Agencies	Firm	Address, Telephone
1. Special Inspection Coordinator	<i>Structural Design Consulting, Inc.</i>	<i>22 Oakmont Drive Old Orchard Beach, ME 04064-4121 207-934-8038</i>
2. Inspector	<i>Soil Metrics</i>	<i>19 Farms edge Road Cape Elizabeth, ME 04107 207-767-2192</i>
3 Testing Agency	<i>S.W Cole Engineering, Inc</i>	<i>286 Portland Road Gray, ME 04039 207 657-2866</i>
4. Testing Agency		
5. Testing Agency		
6. Other		

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category *B*

Quality Assurance Plan Required (Y/N) *N*

Description of seismic force resisting system and designated seismic systems:

Light-framed walls sheathed with wood structural panels rated for shear resistance and associated connections.

1705.1.1 Q/A plan is not required for the seismic force resisting system because the building is Seismic Design Category B.

1705.1.2 refers to SDC D, E and F therefore Q/A plan for designated seismic systems not required.

1705.1.4 refers to SDC D therefore Q/A plan for additional systems is not required.

1705.1.5 refers to SDC E and F therefore Q/A plan not required

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) *100 mph*

Wind Exposure Category *B*

Quality Assurance Plan Required (Y/N) *N*

The building is in wind exposure Category B with a 3-sec gust basic wind speed less than 120 mph therefore a quality assurance plan for wind is not required (IBC/2003 Section 1706.1.1.1).

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
------	---

International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Other

Soils and Foundations

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Shallow Foundations	Y	2	<p><i>Inspect soils below building foundation, site walls and slab-on-grade for adequate bearing capacity and consistency with geotechnical report.</i></p> <p><i>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill</i></p>
2. Controlled Structural Fill	Y	3	<p><i>Perform sieve tests (ASTM D422 & D1140) and modified Proctor tests (ASTM D1557) of each source of fill material.</i></p> <p><i>Inspect placement, lift thickness and compaction of controlled fill.</i></p>
3. Deep Foundations	N		
4. Load Testing	N		
4. Other:	N		

Cast-in-Place Concrete

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Mix Design	Y	3	Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.
2. Material Certification	Y	1	Review certified mill test reports for reinforcing steel.
3. Reinforcement Installation	Y	3	Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforcing bars are free of form oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters
4. Post-Tensioning Operations	N		
5. Welding of Reinforcing	N		
6. Anchor Rods	Y	3	Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors.
7. Concrete Placement	Y	3	Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.
8. Sampling and Testing of Concrete	Y	3	Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064).
9. Curing and Protection	Y	3	Inspect curing, cold weather protection and hot weather protection procedures.
10. Other:	N		

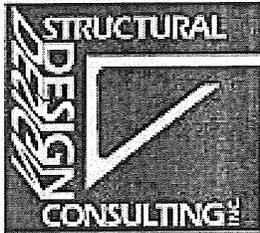
Structural Steel

Page of

Item	Req'd Y/N	Agency # (Scope
1. Fabricator Certification/ Quality Control Procedures <input type="checkbox"/> Fabricator Exempt	Y	1	<i>Review shop fabrication and quality control procedures.</i>
2. Material Certification	Y	1	<i>Review certified mill test reports and identification markings on wide-flange shapes, high-strength bolts, nuts and welding electrodes</i>
3. Open Web Steel Joists	N		
4. Bolting	Y	3	<i>Inspect installation and tightening of high-strength bolts. Verify that splines have separated from tension control bolts. Verify proper tightening sequence.</i>
5. Welding	Y	3	<i>Visually inspect all field welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet welds.</i> <i>Ultrasonic testing of all full-penetration welds.</i>
6. Shear Connectors	N		
7. Structural Details	Y	1	<i>Inspect steel frame for compliance with structural drawings, including member configuration and connection details.</i>
8. Metal Deck	N		
9. Other:	N		

Wood Construction

Item	Req'd Y/N	Agency # (Qualif.)	Scope
1. Fabricator Certification/ Quality Control Procedures	N		
2. Material Grading	Y	1	<i>Verify material grading marks.</i>
3. Connections	Y	1	<i>Verify that connections and fastenings comply with Contract Documents</i>
4. Framing and Details	Y	1	<i>Verify conformance with Contract Documents</i>
5. Diaphragms and Shearwalls	Y	1	<i>Inspect size, configuration, and fastening of shearwalls and diaphragms. Verify panel grade and thickness.</i>
6. Prefabricated Wood Trusses	N		



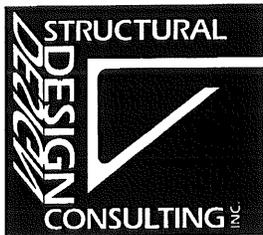
22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

FIELD NOTES

JOB NAME: Peloton Building, 795 Congress Street, Portland, ME
JOB NO.: 10025
DATE OF VISIT: Sep. 20, 2010
TIME: 2:45 P.M.
WEATHER: 65°, clear
CLIENT: Archetype, P.A.
OBSERVERS: David Tetreault, SDC

The building has been demolished and the front section of stone foundation is remaining. The top portion of the stone foundation is deteriorated and somewhat unstable. The subgrade at the existing basement must be examined (see Statement of Special Inspections). The existing basement must be filled with compacted structural fill (testing per Statement of Special Inspections). The upper portion (4'-0" below final grade) of the stone foundation must be removed. A 24" wide x 12" thick footing with (2) #5 bars must be cast on top of the remaining stone wall rather than drilling reinforcing into the existing stone foundation. It is acceptable to field bend reinforcing as shown in Section 1/S2.01

SIGNATURE: David Tetreault



22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

FIELD NOTES

JOB NAME: Peloton Building
JOB NO.: 10025
DATE OF VISIT: Oct. 26, 2010
TIME: 10:30 A.M.
WEATHER: 50°, clear
CLIENT: Archetype, P.A.
OBSERVERS: David Tetreault, SDC

First floor wall framing is completed. Additional jack studs must be added to first floor window openings. Structural steel and steel joists are erected. Steel joist bridging at second floor is installed. Second floor plywood decking is partially installed. No variation from contract documents was observed.

SIGNATURE: _____

David Tetreault

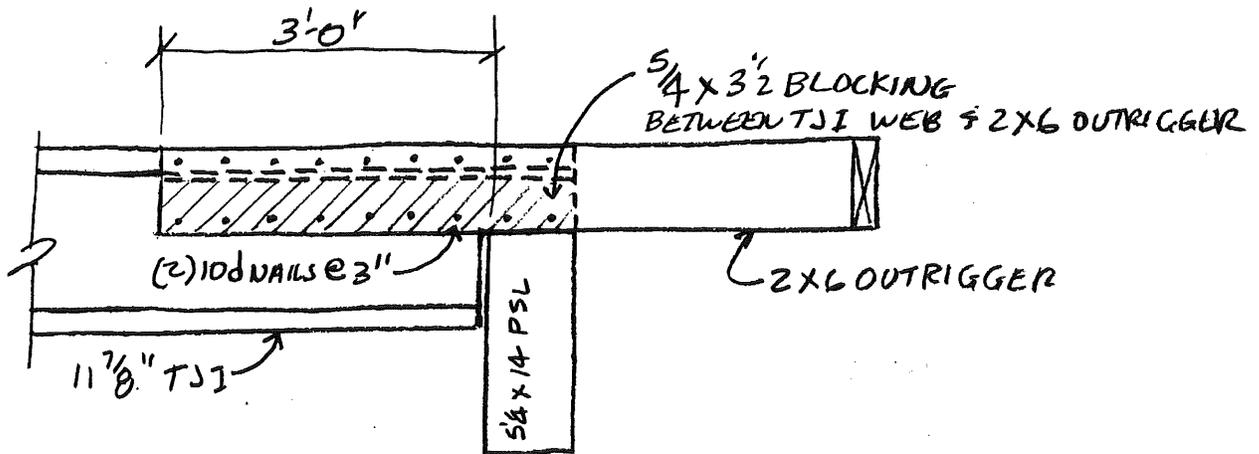


22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

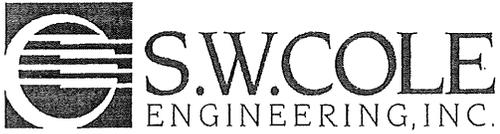
FIELD NOTES

JOB NAME: Peloton Building
JOB NO.: 10025
DATE OF VISIT: Nov. 2, 2010
TIME: 11:30 A.M.
WEATHER: 40°, clear
CLIENT: Archetype, P.A.
OBSERVERS: David Tetreault, SDC

Exterior wall sheathing is substantially completed. Nailing of wall sheathing conforms to contract documents. Second floor framing is substantially completed. Additional jack studs have been added at windows (see field notes 10/26/10). Roof framing is partially completed. Outriggers bearing on 14" PSL beam at northwest wall are to be constructed as follows:



SIGNATURE: David Tetreault



Report of Field Density ASTM D6938

Project: PORTLAND, ME - 995 CONGRESS STREET - MATERIALS TESTING
 Client: PORTLAND BUILDERS, INC.

Project Number: 10-1009

Field Density Test Results

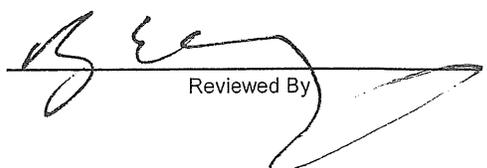
Test #	Test Date	Tech	Test Location	Elev Feet	Test Depth	Lab ID	Dry Density	Moisture Content Percent	Compaction Percent	Required Compaction
1	9/24/2010	DAC	A/2 INT. SPREAD FOOTING	115	12	13093G	126.5	4.5	95.0	95
2	9/24/2010	DAC	A/3 INT. SPREAD FOOTING	114	12	13093G	129.5	4.0	97.2	95
3	9/24/2010	DAC	B/3 INT. SPREAD FOOTING	114	12	13093G	127.8	4.2	95.9	95
4	9/24/2010	DAC	B/2 INT. SPREAD FOOTING	114	12	13093G	128.8	5.9	96.7	95

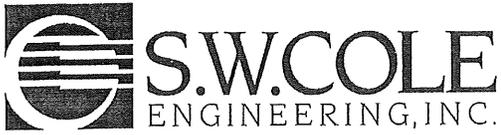
Laboratory Compaction Test Reference

Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
13093G	9/25/2010	IN-PLACE/FROM WHITE BROS METHODIST RD	Structural Fill (3/4" GRAVEL)	ASTM D-1557 Modified C	133.2	7.0	

Elevation Notes:

Comments:


 Reviewed By



Report of Field Density ASTM D6938

Project: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING

Project Number: 10-1009

Client: PORTLAND BUILDERS, INC.

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
5	10/8/2010	RED	INT - 1 + 10'/C' 8'	118.5	10	13093G	127.7	4.8	95.9	95
6	10/8/2010	RED	INT - 4.2'/B + 5'	116	10	13093G	126.9	4.0	95.3	95
7	10/8/2010	RED	INT - 3/A+	117	10	13093G	126.5	4.5	95.0	95

Laboratory Compaction Test Reference

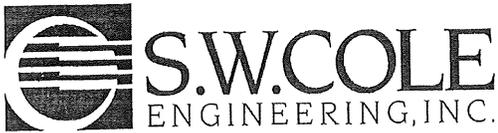
Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
13093G	9/25/2010	IN-PLACE/FROM WHITE BROS METHODIST RD	Structural Fil (3/4" GRAVEL)	ASTM D-1557 Modified C	133.2	7.0	

Elevation Notes:

Comments:
INT - INTERIOR



 Reviewed By



Report of Field Density ASTM D6938

Project: PORTLAND, ME - 995 CONGRESS STREET - MATERIALS TESTING
 Client: PORTLAND BUILDERS, INC.

Project Number: 10-1009

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
8	10/11/2010	VLT	10' N 4' E OF SW CORNER (INTERIOR)	-1.5'	12	13093G	127.6	3.2	95.8	95

Laboratory Compaction Test Reference

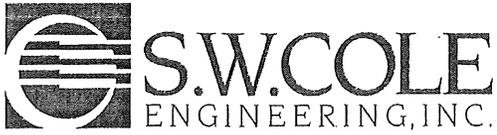
Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
13093G	9/25/2010	IN-PLACE/FROM WHITE BROS METHODIST RD	Structural Fil (3/4" GRAVEL)	ASTM D-1557 Modified C	133.2	7.0	

Elevation Notes:
 BTOW - BELOW TOP OF WALL

Comments:



 Reviewed By



Report of Field Density

ASTM D6938

Project: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING

Project Number: 10-1009

Client: PORTLAND BUILDERS, INC.

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
9	10/12/2010	VLT	10' S 10' W OF NE CORNER (INT)	-6"	12	13093G	130.4	3.6	97.9	95
				BFG						
10	10/12/2010	VLT	10' N 10' W OF SE CORNER (INT)	-6"	12	13093G	128.4	3.6	96.4	95
				BFG						
11	10/12/2010	VLT	6' S OF INTERSECTION LINE 4 + A.5	-6"	12	13093G	127.5	3.2	95.7	95
				BFG						

Laboratory Compaction Test Reference

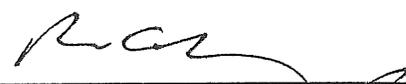
Lab ID	Date Received	Material Source	Material Type	Method	Max Dry Density PCF	Optimum Moisture Content (%)	Comments
13093G	9/25/2010	IN-PLACE/FROM WHITE BROS METHODIST RD	Structural Fil (3/4" GRAVEL)	ASTM D-1557 Modified C	133.2	7.0	

Elevation Notes:

BFG - BELOW FINISH GRADE

Comments:

INT - INTERIOR



 Reviewed By



Soils Observation Report

Project Name/Location: 795 Congress St-Portland, ME	Project No: 10-1009
Client/Client's Rep.: Portland Builders-Bill Cuddy	Date: 09/24/2010
Earthwork Contractor: Les Wilson & Sons	Sheet: 1 of 1
	SWCE Rep.: DACJR
	Arrived at Site: 09:30
	Left Site: 10:05

Weather	Site Conditions	Materials Used
<input type="checkbox"/> M. Sunny <input type="checkbox"/> Snow <input type="checkbox"/> Warm <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Fog <input type="checkbox"/> Humid <input type="checkbox"/> Showers <input type="checkbox"/> Cool <input type="checkbox"/> Breezy	<input type="checkbox"/> Clear <input checked="" type="checkbox"/> Dry <input type="checkbox"/> Muddy <input type="checkbox"/> Frozen Temperatures (°F): 60s	<input type="checkbox"/> Onsite Granular Fill <input type="checkbox"/> Subbase gravel <input checked="" type="checkbox"/> Imported Structural <input type="checkbox"/> Subgrade Fill <input type="checkbox"/> ¾" crushed stone <input type="checkbox"/> _____

Soils Work Performed:

<input type="checkbox"/> Site Prep	<input checked="" type="checkbox"/> Earthwork	<input type="checkbox"/> Planting Soils
<input type="checkbox"/> Building Earthwork	<input type="checkbox"/> Site Utilities	<input type="checkbox"/> _____

Compaction Equipment Used:

<input type="checkbox"/> Large Roller	<input type="checkbox"/> Small Roller	<input type="checkbox"/> Trench Roller	<input checked="" type="checkbox"/> Large Plate Tamp
<input type="checkbox"/> Small Tamp	<input type="checkbox"/> Jumping Jack	<input type="checkbox"/> _____	

Soils Observations	Observed		Comments
Site Preparation	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	(SEE AREAS OF OBSERVATION)
Fill Placement:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	(SEE AREAS OF OBSERVATION)
Material Type (proper material used for construction)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	¾" crushed gravel from White Bros.
Lift Size	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Placement Not Observed: Approx. 12" lifts
Compaction	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Waiting for proctor
In-place Densities	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Waiting for Proctor
In-place Density Frequency	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	As determined by the in-place area
Non-Conformance Items Observed	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Non-Conformance Item Description:			
Action Taken by SWCE:			
Person(s) Notified:			

Area(s) of Observation:

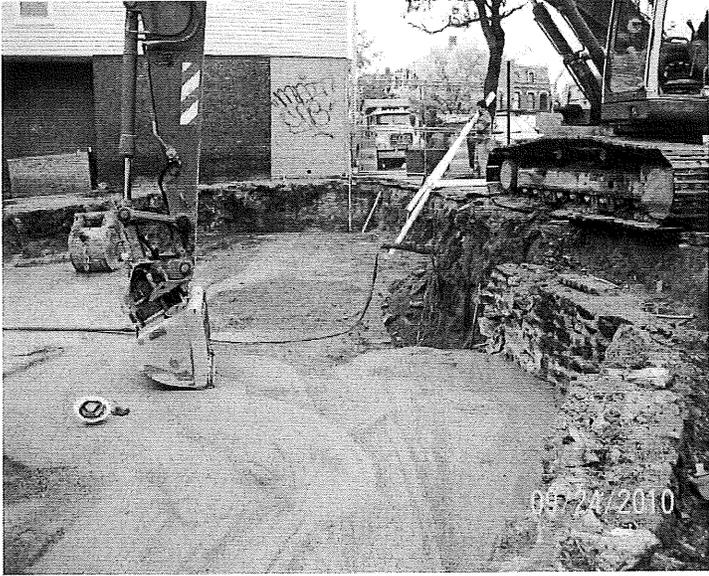
Approximately 3' of compacted material was in-place at the time of arrival.

SWCE

- Performed field density tests on the in-place soil material. Obtained a sample of the ¾" crushed gravel imported from White Bros for grain size and proctor determination. Results of the field density tests performed will be calculated after the proctor has been determined.
- Informed Bill Heart (Portland Builders) of the in-place density values .

Attachments: Photos

Reviewed By: RED







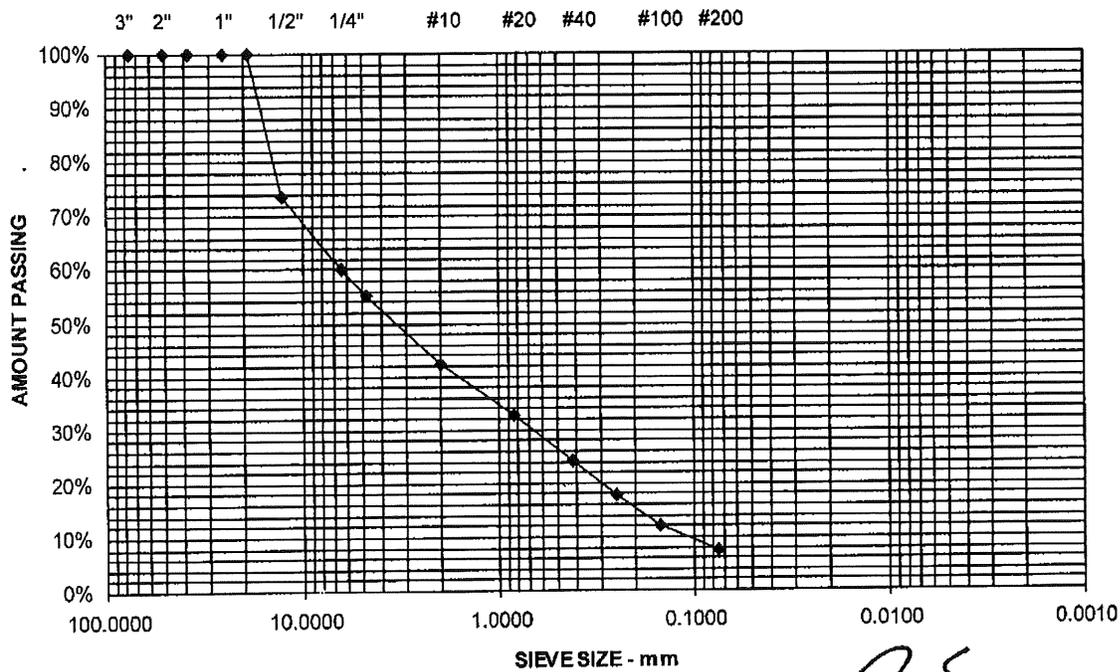
Report of Gradation

ASTM C-117 & C-136

Project Name PORTLAND, ME - 995 CONGRESS STREET - MATERIALS TESTING
 Client PORTLAND BUILDERS, INC.
 Material Type STRUCTURAL FIL (3/4" GRAVEL)
 Material Source IN-PLACE/FROM WHITE BROS METHODIST

Project Number 10-1009
 Lab ID 13093G
 Date Received 9/25/2010
 Date Completed 10/4/2010
 Tested By JUSTIN BISSON

STANDARD DESIGNATION (mm/μm)	SIEVE SIZE	AMOUNT PASSING (%)	SPECIFICATIONS (%)
150 mm	6"	100	
125 mm	5"	100	
100 mm	4"	100	
75 mm	3"	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"	74	
6.3 mm	1/4"	60	
4.75 mm	No. 4	55	
2.00 mm	No. 10	42	
850 μm	No. 20	33	
425 μm	No. 40	24	
250 μm	No. 60	18	
150 μm	No. 100	12	
75 μm	No. 200	7.4	



Comments NO SPECIFICATIONS PROVIDED

R. E. Domingo
 Roger E. Domingo

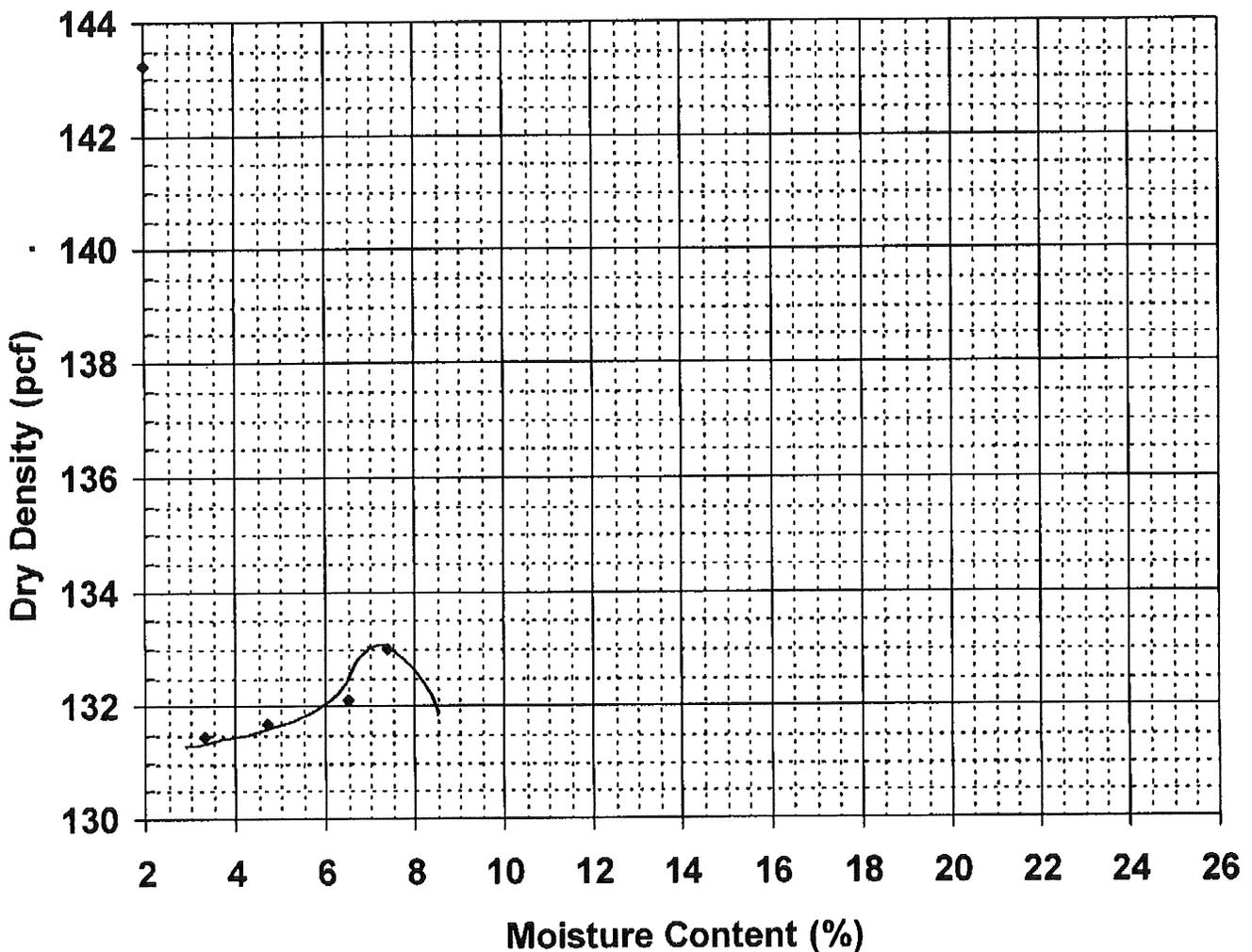


Report of Moisture-Density

Method ASTM D-1557 MODIFIED Procedure C

Project Name	PORTLAND, ME - 995 CONGRESS STREET - MATERIALS TESTING	Project Number	10-1009
Client	PORTLAND BUILDERS, INC.	Lab ID	13093G
Material Type	STRUCTURAL FIL (3/4" GRAVEL)	Date Received	9/25/2010
Material Source	IN-PLACE/FROM WHITE-BROS METHODIST RD	Date Completed	10/4/2010
		Tested By	JUSTIN BISSON

Moisture-Density Relationship Curve



Maximum Dry Density (pcf)	133.2	<u>Corrected Dry Density (pcf)</u>	<u>133.2</u>
Optimum Moisture Content (%)	7	<u>Corrected Moisture Content (%)</u>	<u>7.0</u>
Percent Oversized	0.1%		

Comments

Roger E. Domingo
 Roger E. Domingo



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING **Project Number:** 10-1009

Client: PETER BASS

Client Contract Number:

General Contractor:

Concrete Supplier: F. R. CARROLL

PLACEMENT INFORMATION

Date Cast: 9/29/2010 **Time Cast:** 12:00 **Date Received:** 9/30/2010
Placement Location: FOOTINGS
Placement Method: PUMP **Placement Vol. (yd³):** 15
Cylinders Made By: CT **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MIDRANGE

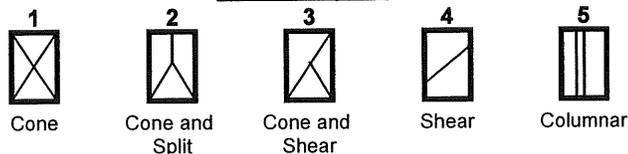
TEST RESULTS

Slump (in) (C-143): 6.0
Air Content (%) (C-231): 6.6
Air Temp (°F): 68
Conc. Temp (°F) (C-1064): 78

Load Number: 1
Mixer Number: 16
Ticket Number: 24613
Cubic Yards: 8.5
Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
199-1A		4.00	12.57	10/6/2010	Lab	7	4	40.6	3230
199-1B		4.00	12.57	10/27/2010	Lab	28	4	58.2	4630
199-1C		4.00	12.57	10/27/2010	Lab	28	4	48.8	3880
199-1D				Hold	Lab				

Fracture Types



Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING **Project Number:** 10-1009

Client: PETER BASS

Client Contract Number:

General Contractor:

Concrete Supplier: F. R. CARROLL

PLACEMENT INFORMATION

Date Cast: 10/5/2010 **Time Cast:** 10:55 **Date Received:** 10/6/2010
Placement Location: FOUNDATION WALLS

Placement Method: PUMP
Cylinders Made By: RED

Placement Vol. (yd³): 31
Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MRWR

TEST RESULTS

Slump (in) (C-143):	Slump WR: 3 3/4	Load Number: 3
Air Content (%) (C-231):	Air WR: 6.0	Mixer Number: 17
Air Temp (°F): 61		Ticket Number: 24627
Conc. Temp (°F) (C-1064): 68		Cubic Yards: 10.5
		Design (psi): 3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (in)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
199-2A		4.00	12.57	10/12/2010	Lab	7	4	51.8	4120
199-2B		4.00	12.57	11/2/2010	Lab	28	4	66.2	5270
199-2C		4.00	12.57	11/2/2010	Lab	28	4	68.0	5410
199-2D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING **Project Number:** 10-1009

Client: PETER BASS

Client Contract Number:

General Contractor:

Concrete Supplier: F. R. CARROLL

PLACEMENT INFORMATION

Date Cast: 10/12/2010 **Time Cast:** 2:25 **Date Received:** 10/13/2010
Placement Location: INTERIOR PIER FOOTINGS
Placement Method: DIRECT DISCHARGE **Placement Vol. (yd³):** 2.5
Cylinders Made By: VLT **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: N/A

TEST RESULTS

Slump (in) (C-143):	Slump WR:	3/4	Load Number:	1
Air Content (%) (C-231):	Air WR:	6.1	Mixer Number:	8
Air Temp (°F):	67		Ticket Number:	0023051
Conc. Temp (°F) (C-1064):	76		Cubic Yards:	2.5
			Design (psi):	3000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (In) ²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
199-3A		4.00	12.57	10/19/2010	Lab	7	4	37.0	2950
199-3B		4.00	12.57	11/9/2010	Lab	28	4	44.5	3540
199-3C		4.00	12.57	11/9/2010	Lab	28	2	45.3	3610
199-3D				Hold	Lab				

Fracture Types



1
Cone



2
Cone and Split



3
Cone and Shear



4
Shear



5
Columnar

Remarks:



Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: PORTLAND, ME - 795 CONGRESS STREET - MATERIALS TESTING **Project Number:** 10-1009

Client: PETER BASS

Client Contract Number:

General Contractor:

Concrete Supplier: F. R. CARROLL

PLACEMENT INFORMATION

Date Cast: 10/14/2010 **Time Cast:** 8:20 **Date Received:** 10/15/2010
Placement Location: SLAB ON GRADE
Placement Method: PUMP (NE) **Placement Vol. (yd³):** 32
Cylinders Made By: VLT **Aggregate Size (in):** 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

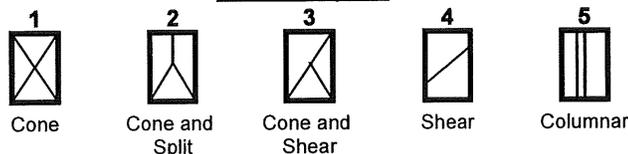
Admixtures: MRWR
 1% POZZ 20
 FIBER

TEST RESULTS

Slump (in) (C-143):	Slump WR: 5 3/4	Load Number: 2
Air Content (%) (C-231):	Air WR: 2.9	Mixer Number: 16
Air Temp (°F): 45		Ticket Number: 0024668
Conc. Temp (°F) (C-1064): 69		Cubic Yards: 9
		Design (psi): 4000

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area (ln)²	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
199-4A		4.00	12.57	10/21/2010	Lab	7	4	58.8	4680
199-4B		4.00	12.57	11/11/2010	Lab	28	4	79.4	6320
199-4C		4.00	12.57	11/11/2010	Lab	28	4	78.6	6260
199-4D				Hold	Lab				

Fracture Types



Remarks:



Concrete Construction Observation Report

Project Name/Location:	795 Congress St./Portland, ME	Project No:	10-1009
Client/Client's Rep.:	Portland Builders/Bill Hartt	Date:	9-29-10
Concrete Contractor:	Adam Quinn	Sheet:	1 of 1
Placement Location:	Exterior Wall Footings	SWCE Rep.:	CMT
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	11:30 a.m.
		Left Site:	12:30 p.m.

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Concrete blocking
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/> No <input type="checkbox"/>	<input type="checkbox"/>	Compacted fill

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
S1.01				A 615 <input checked="" type="checkbox"/> A 616 <input type="checkbox"/> A 617 <input type="checkbox"/> A 706 <input type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/> 75 <input type="checkbox"/> A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	3,000 psi , MRWR
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	pumped
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	
Depth of layer maximum limits not exceeded	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	Single layer
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	N/A
Removal of temporary ties and spacers	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input type="checkbox"/>	N/a

FIELD TESTING OF CONCRETE PERFORMED Yes No
***CYLINDER SET NO:** ← *refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>	<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/> No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: _____
 Action Taken by SWCE: _____
 Person(s) Notified: _____
 N/O = Not Observed
Notes: _____

Attachments: None

Reviewed By: RED



Concrete Construction Observation Report

Project Name/Location:	795 Congress St./Portland, ME	Project No:	10-1009
Client/Client's Rep.:	Portland Builders/Bill Hartt	Date:	10-5-10
Concrete Contractor:	Adam Quinn	Sheet:	1 of 1
Placement Location:	Exterior Walls	SWCE Rep.:	RED
Placement Type:	Footing <input type="checkbox"/> Wall <input checked="" type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	8:30 a.m.
		Left Site:	11:30 a.m.

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Chairs needed
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Wire
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Concrete Footing

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
S1.01				A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	3,000 psi , MRWR
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	pumped
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Depth of layer maximum limits not exceeded	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Multiple layers
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No
***CYLINDER SET NO:** ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: _____

Action Taken by SWCE: _____

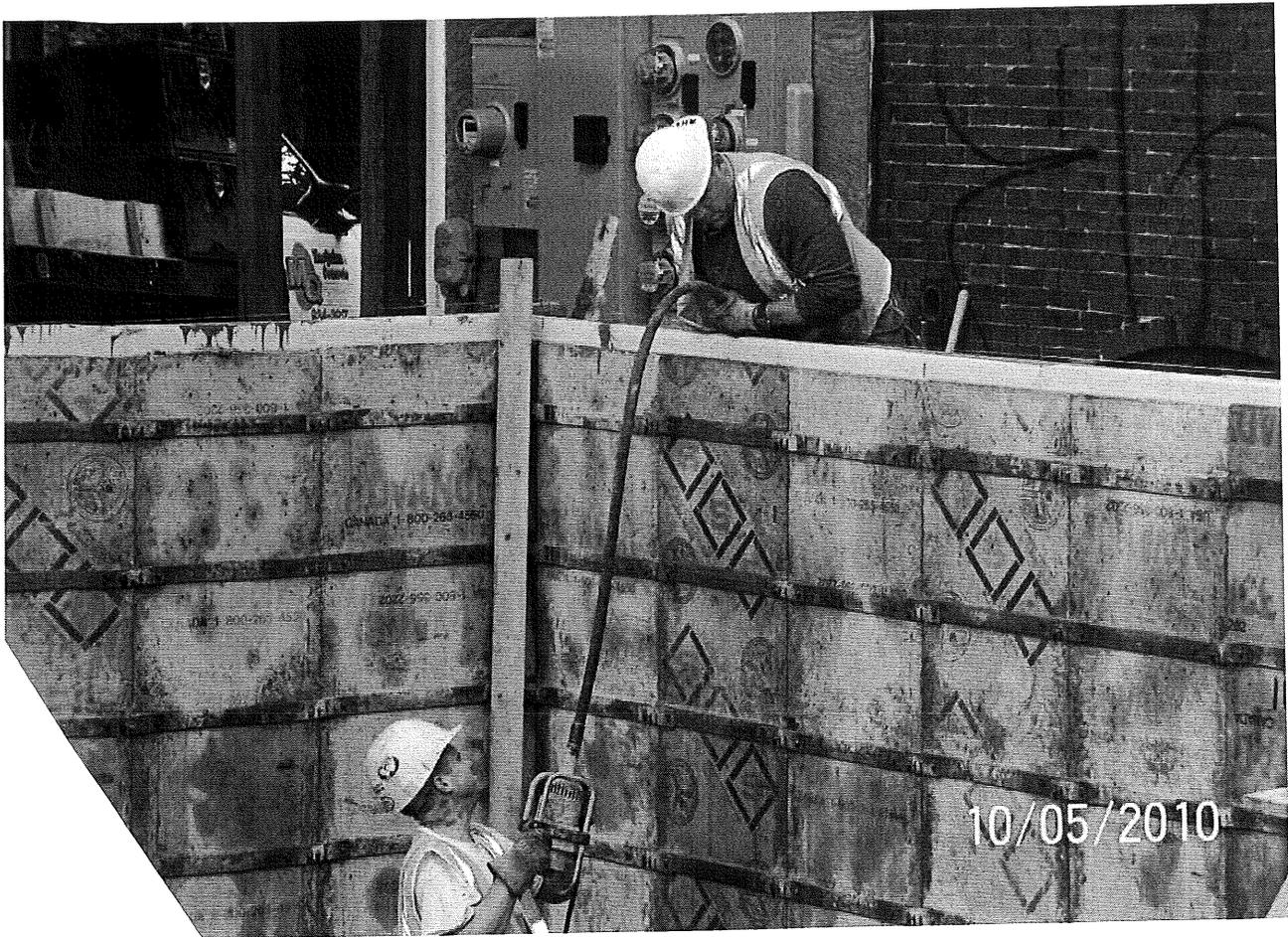
Person(s) Notified: _____

N/O = Not Observed

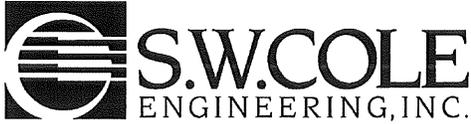
Notes: _____

Attachments: Photos

Reviewed By: MFB







Concrete Construction Observation Report

Project Name/Location:	795 Congress St./Portland, ME	Project No:	10-1009
Client/Client's Rep.:	Portland Builders/Bill Hartt	Date:	10-13-10
Concrete Contractor:	Adam Quinn	Sheet:	1 of 1
Placement Location:	Interior Footings	SWCE Rep.:	VLТ
Placement Type:	Footing <input checked="" type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	1:00pm.
		Left Site:	2:30 pm.

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Chairs needed
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Wire, Concrete block
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Archtype Architects		S1.01		A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	3000 psi
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	Direct discharge
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	
Depth of layer maximum limits not exceeded	Yes <input type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	No. <input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No

*CYLINDER SET NO: 199-3 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input type="checkbox"/>	No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	No. <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: _____

Action Taken by SWCE: _____

Person(s) Notified: _____

N/O = Not Observed

Notes:

Attachments: None

Reviewed By: _____



Concrete Construction Observation Report

Project Name/Location:	795 Congress St./Portland, ME	Project No:	10-1009
Client/Client's Rep.:	Portland Builders/Bill Hartt	Date:	10-14-10
Concrete Contractor:	Adam Quinn/Mike Nappi	Sheet:	1 of 1
Placement Location:	Slab on grade	SWCE Rep.:	VLТ
Placement Type:	Footing <input type="checkbox"/> Wall <input type="checkbox"/> Column <input type="checkbox"/> Slab <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Arrived at Site:	7:00am
		Left Site:	9:30am

<u>PRE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Bar Size (diameter, length, bend and anchorage)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Location (# of bars, spacing, and cover)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	At haunches
Splicing (weld joint, overlap)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Stability (wiring, chairs, and spacers)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Wire, Concrete block
Reinforcement free from mud, oil, rust, or other nonmetallic coatings	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Reinforcement appears in conformance to specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Soil subgrade prepared in accordance with project specifications	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	

<u>Referenced Drawings</u>	<u>Date</u>	<u>Page</u>	<u>Rev.</u>	<u>ASTM</u>	<u>GRADE</u>
Archtype Architects		S1.01		A 615 <input checked="" type="checkbox"/>	40 <input type="checkbox"/> 50 <input type="checkbox"/> 60 <input checked="" type="checkbox"/>
				A 616 <input type="checkbox"/>	75 <input type="checkbox"/>
				A 617 <input type="checkbox"/>	
				A 706 <input type="checkbox"/>	A 775 Epoxy <input type="checkbox"/>

<u>CONCRETE PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Required mix used	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	4000psi
Placement and consolidation of concrete observed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	Pump
Concrete properly conveyed to all areas of placement	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Depth of layer maximum limits not exceeded	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	N/A
Internal vibration (depth of insertion, spacing, time, vertical insertion, no conveyance of concrete by vibration)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Even layering around openings and embedments	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	
Removal of temporary ties and spacers	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input type="checkbox"/>	N/A

FIELD TESTING OF CONCRETE PERFORMED Yes No

***CYLINDER SET NO:** 199-4 ←*refer to associated concrete test report

<u>POST PLACEMENT OBSERVATIONS</u>	<u>In Compliance</u>		<u>N/O</u>	<u>Comments</u>
Specified finish	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Protection of surfaces from cracking due to rapid drying	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	
Proper curing procedures implemented	Yes <input type="checkbox"/>	No <input type="checkbox"/>	<input checked="" type="checkbox"/>	

NON-CONFORMANCE ITEMS OBSERVED Yes No

Non-Conformance Item Description: _____

Action Taken by SWCE: _____

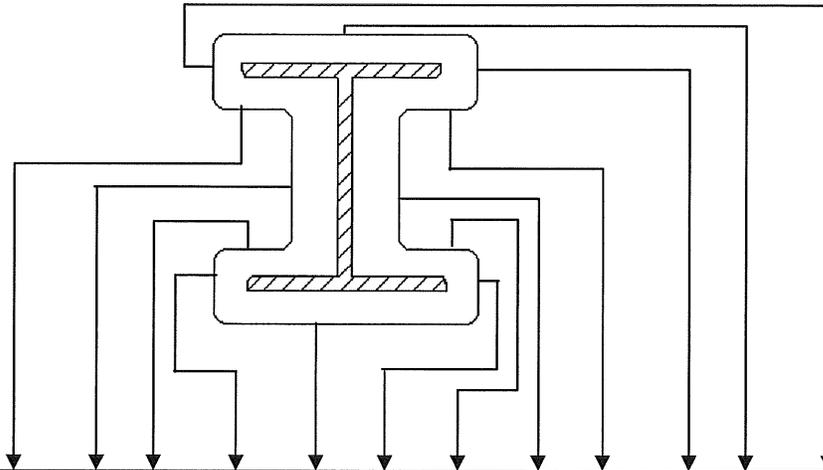
Person(s) Notified: _____

N/O = Not Observed

Notes: 2" rigid insulation underlying vapor barrier. Fibermesh and 1% Accelerator in all loads. No air in mix.

Attachments: None Reviewed By: _____

**REPORT OF FIRE PROOFING
THICKNESS OF MATERIAL ON BEAM OR COLUMN – ASTM E605**



Location	Required Thickness	1	2	3	4	5	6	7	8	9	10*	11*	12*	Average Thickness
B/ 1+5'	100 mil	115	123	110	127	120	113	122	130	119				119.9 mil

*Required for columns only

Project No.: 10-1009 Project Name: 795 Congress Street
 Client: Peter Bass Date: 1/11/11
 Comments: _____

S. W. Cole Engineering, Inc. Representative: Michael Bisson

Final Report of Special Inspections

Project: *Peloton Building*

Location: *795 Congress Street, Portland, ME*

Owner: *Random Orbit, LLC*

Owner's Address: *17 Chestnut Street
Portland, ME 04101*

Architect of Record: *Archetype, P.A.*

Structural Engineer of Record: *Structural Design Consulting, Inc.
22 Oakmont Drive, Old Orchard Beach, ME 04064*

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments: *No outstanding issue*

(Attach continuation sheets if required to complete the description of corrections.)

Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

Respectfully submitted,
Special Inspector

David J. Tetreault, P.E.

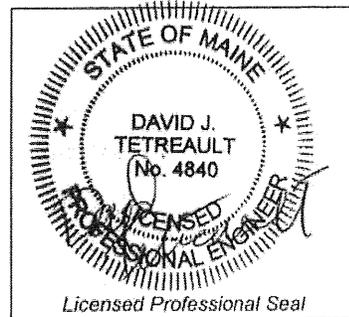
(Type or print name)

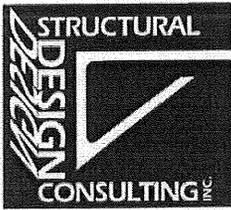
David J. Tetreault

Signature

01/26/11

Date





22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

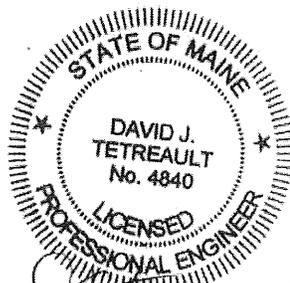
MEMORANDUM

Date: January 26, 2011
Project: Peloton, 795 Congress Street
To: Kevin Gough, Archetype, P.A.
From: David Tetreault
Subject: Support of Roof Top Units

Kevin,

I have reviewed the load-carrying capacity of the roof framing at 795 Congress Street. The purpose of the review was to determine whether the rooftop units installed as part of design-build mechanical system can be supported by the roof framing. The new units are Trane YSC060E. There are two units. One is located between grids A and B. The other is located between grid B and the east exterior wall. The total weight of each unit is 613 pounds. I have determined that the roof framing has sufficient capacity to support the weight of the proposed units, the roof dead load (self weight) and the code required environmental loadings.

Please let me know if I can be of further assistance.



SIGNATURE: David Tetreault

copy to:

Final Report of Special Inspections

Project: *Peloton Building*

Location: *795 Congress Street, Portland, ME*

Owner: *Random Orbit, LLC*

Owner's Address: *17 Chestnut Street
Portland, ME 04101*

Architect of Record: *Archetype, P.A.*

Structural Engineer of Record: *Structural Design Consulting, Inc.
22 Oakmont Drive, Old Orchard Beach, ME 04064*

To the best of my information, knowledge and belief, the Special Inspections required for this project, and itemized in the *Statement of Special Inspections* submitted for permit, have been performed and all discovered discrepancies have been reported and resolved other than the following:

Comments: *No outstanding issue*

(Attach continuation sheets if required to complete the description of corrections.)

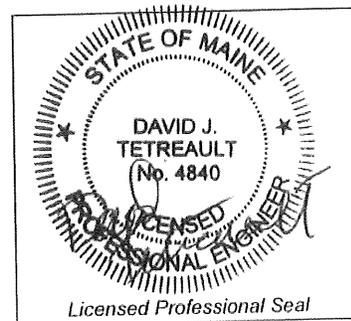
Interim reports submitted prior to this final report form a basis for and are to be considered an integral part of this final report.

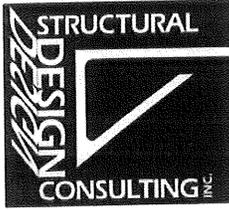
Respectfully submitted,
Special Inspector

David J. Tetreault, P.E.
(Type or print name)

David J. Tetreault
Signature

01/26/11
Date





22 Oakmont Drive
Old Orchard Beach, ME 04064-4121
Phone: (207) 934-8038
Fax: (207) 934-8039

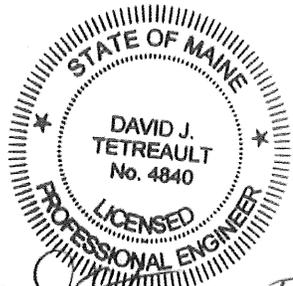
MEMORANDUM

Date: **January 26, 2011**
Project: **Peloton, 795 Congress Street**
To: **Kevin Gough, Archetype, P.A.**
From: **David Tetreault**
Subject: **Support of Roof Top Units**

Kevin,

I have reviewed the load-carrying capacity of the roof framing at 795 Congress Street. The purpose of the review was to determine whether the rooftop units installed as part of design-build mechanical system can be supported by the roof framing. The new units are Trane YSC060E. There are two units. One is located between grids A and B. The other is located between grid B and the east exterior wall. The total weight of each unit is 613 pounds. I have determined that the roof framing has sufficient capacity to support the weight of the proposed units, the roof dead load (self weight) and the code required environmental loadings.

Please let me know if I can be of further assistance.



SIGNATURE:

David Tetreault

copy to: