

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that ELIZABETH & PIERRE MEAHL

Located At 36 SEELEY ST

Job ID: 2011-06-1337-ALTR

CBL: 123 - - D - 024 - 001 - - - -

has permission to Renovate existing 2nd floor bath and add new bath in former storage/closet, new windows & beam provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

James [Signature] 6/17/11
Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-06-1337-ALTR

Located At: 36 SEELEY

CBL: 123 - - D - 024 - 001 - - - -

Conditions of Approval:

Zoning

1. 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 all work is within the existing envelope of the building. There are no roof expansions included in the work.
2. This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. without special approvals.
3. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval.
4. Separate permits shall be required for future decks, sheds, pools, and/or garages.

Building

1. Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.
2. Permit approved based on the plans submitted and reviewed w/owner/ contractor, with additional information as agreed on and as noted on plans. This includes adequate bearing for the posting of the bearing header and tempered window in the shower wall if glazing is less than 60".
3. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
 - **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
 - **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**
1. Close In Framing/Plumbing/Electric
 2. Final at completion

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

entered
208

6/8/11
66

2011 06 1337



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>36 SEELEY AVE</u>		
Total Square Footage of Proposed Structure/Area <u>N/A - Reno of existing rooms</u>	Square Footage of Lot <u>5956</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>123</u> Block# <u>D</u> Lot# <u>024001</u>	Applicant *must be owner, Lessee or Buyer* Name <u>ELIZ. + PIERRE MEHL STS</u> Address <u>36 SEELEY AVE</u> City, State & Zip <u>PORTLAND, ME 04103</u>	Telephone: <u>207-773-1588</u>
Lessee/DBA (if Applicable) <u>JUN - 8 2011</u>	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>10,000</u> C of O Fee: \$ _____ Total Fee: \$ <u>120.00</u>
Current legal use (if single family) <u>SINGLE FAMILY</u>		
If vacant, what was the previous use? _____		
Proposed Specific use: <u>SAME</u>		
Is property part of a subdivision? <u>NO</u> If yes, please name _____		
Project description: <u>MOVE TOILET IN EXISTING BATH TURN CLOSET + STORAGE SPACE INTO NEW BATH, CLOSET</u>		
Contractor's name: <u>KOLBERT BUILDING</u>		
Address: <u>90 GRAY ST.</u>		
City, State & Zip: <u>PORTLAND, ME 04102</u>		Telephone: <u>207-799-8799</u>
Who should we contact when the permit is ready: <u>DAN KOLBERT</u>		Telephone: <u>207-650-7650</u>
Mailing address: <u>AS ABOVE</u>		

RECEIVED
JUN - 8 2011
Dept. of Building Inspections
City of Portland, Maine

Taxes ok SF

in Q

R-3

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

ifam - 5956 #

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

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

Signature: [Signature] Date: 6.7.11

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

KOLBERT

90 Gray St., Portland ME 04102



BUILDING

(207) 799-8799 Phone & Fax

www.KolbertBuilding.com

June 7, 2011

Scope of Work

36 Seeley Ave, Portland
Liz & Pierre Meahl

Framing

Sister existing floor joists as needed in existing bath.

Lay new sub-floor.

Install 3-1/2" x 9-1/4" LVL beam on double 2x4 posts to support roof load over 9'0" +/- span. See attached span chart.

Frame new interior walls between master bath, closet and garage.

Extend wall at tub in existing bath to close off existing toilet location for new closet.

All interior walls to be either 2x4, 16" O.C. (or 2x6, 16" O.C. if needed to conceal vent stack). No new load-bearing walls.

Window rough openings to be within width of existing stud bays – no exterior studs will be cut; no headers needed.

Toilet flanges will be placed within existing joist bays – no joists will be cut; no headers needed.

Roofing

Flash/re-roof around new vent pipes and/or ducts.

- NO DAMMERS or Roof expansions shown

Windows/Doors

Install 2 new-construction windows in new bath – see attached specs (vinyl single-hung, non-egress, U 0.32)

Exterior & Siding

Patch siding.

Insulation/Air Sealing

Install 3" rigid foam insulation in exposed exterior wall, cellulose in hole to attic.

Air seal windows.

Insulate duct work.

HVAC

Install

New ducting for bath fan in existing bath, re-use existing vent through roof.

New ducting for bath fan in new bath, vent through side wall.

Heat in master bath.

Plumbing

Install new toilet in existing bath, new toilet, sink and shower in new bath

All fixtures back vented to code

Connect new waste pipes and new vent pipes to existing or new as needed

Electrical

Install:

Wiring and new bath fan

New light fixtures

GFCI outlet and wiring in master bath (replace GFCI on existing wiring in existing bath)

Dedicated circuit

MARAGE/BONUS ROOM

UNFINISHED
STORAGE
SPACE

CLOSET

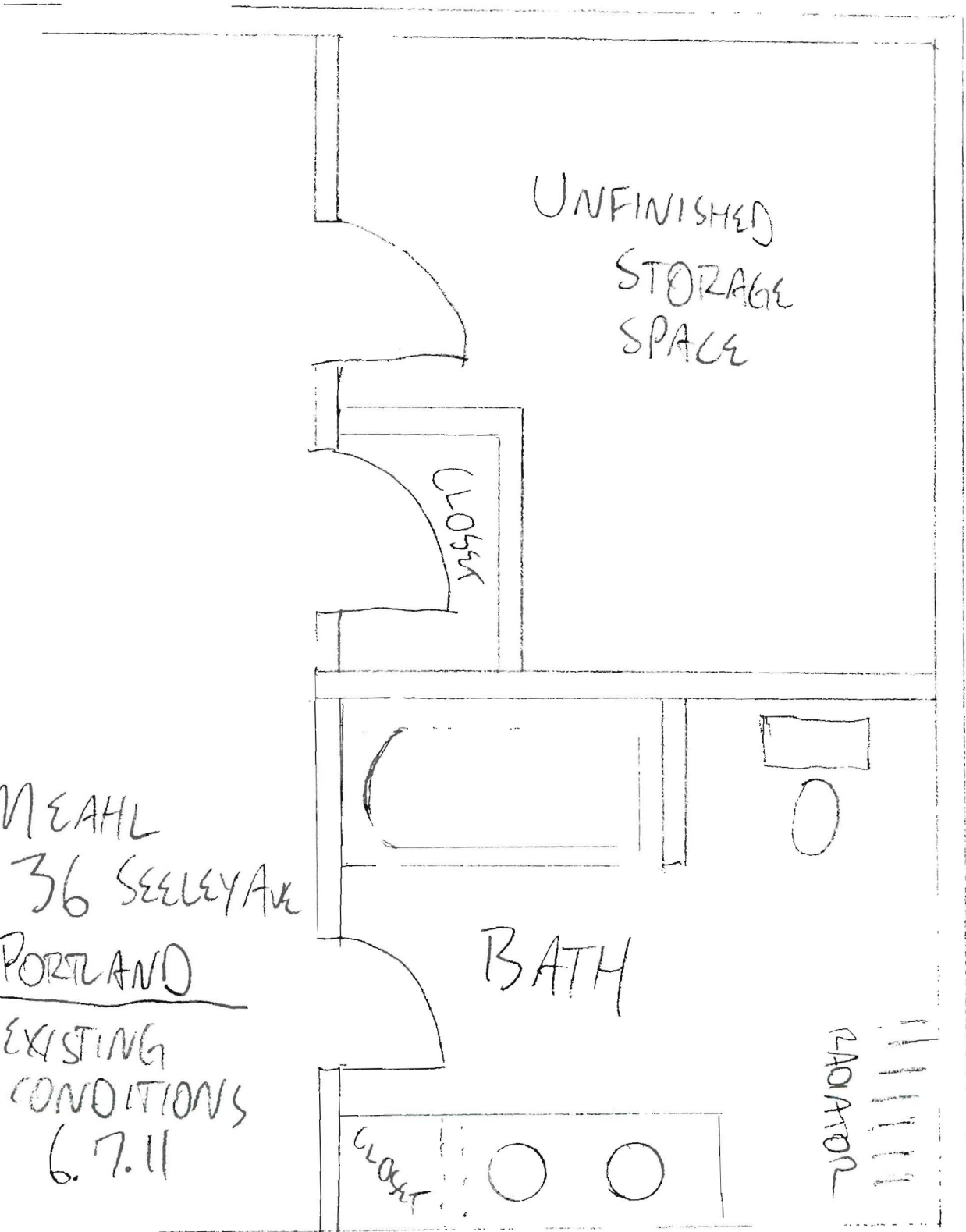
BATH

ADAPTATION

CLOSET

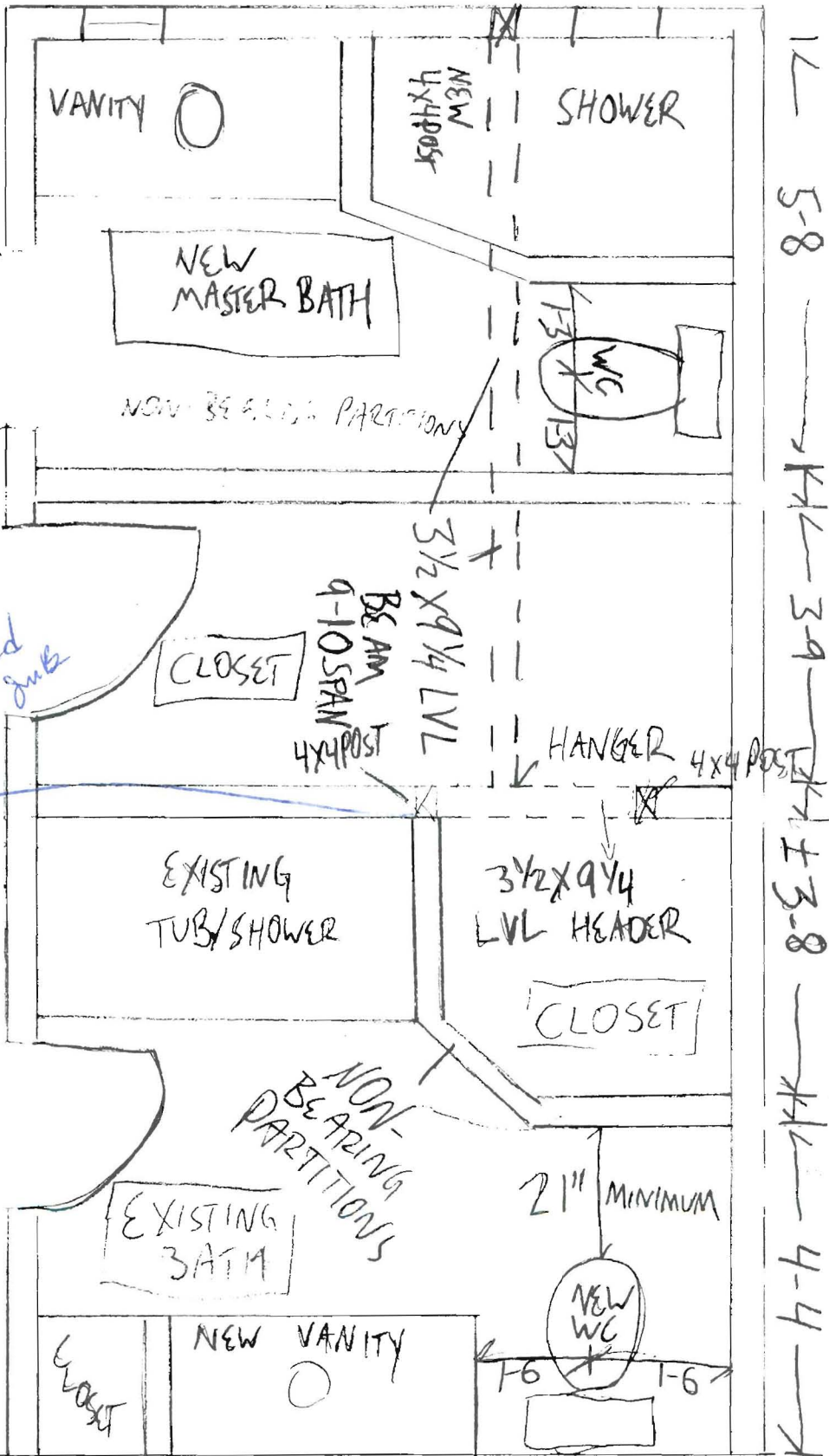
MEHL
36 SEELEY AVE
PORTLAND
EXISTING
CONDITIONS
6.7.11

$\frac{1}{2}'' = 1'$



1-2x1-8 SH WINDOW

Tempered if blazing < 60"
1-0x1-0 FIXED WINDOW



6/17/11 per bank.
This is bearing wall
Aaron Wilson reviewed
(Struct Eng)

36 SEELEY AVE

MEHL
BATH RENOV

FLOOR
PLAN

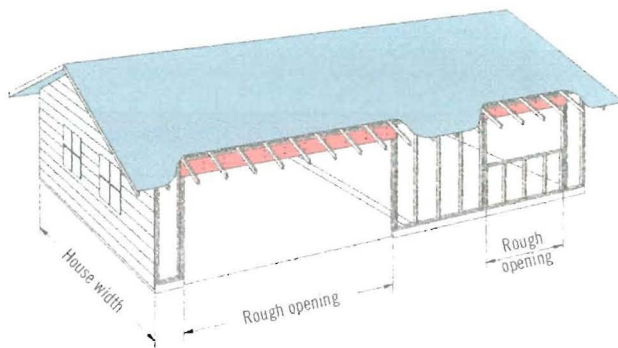
1/2" = 1'-0"
6.7.11

SIZING TABLES

How to Use This Table

1. Determine appropriate **Roof Load** and **House Width**.
 2. Locate **Rough Opening**.
 3. Select header size and material.
- iLevel offers 1.55E TimberStrand® LSL pre-cut garage door headers; however, they are not available in all regions. Call 1-888-453-8358 to determine availability.

Also see **General Notes** on page 9.



Headers Supporting Roof

Roof Load (PSF)	House Width	Rough Opening									
		8'		9'-3"		10'		12'			
Non-Snow Area 125%	20LL + 15DL	24'	1 3/4" x 9 3/4"	T M	1 3/4" x 9 3/4"	T M	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	
			3 1/2" x 7 1/4"	M	3 1/2" x 9 3/4"	T M P	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M	
			3 1/2" x 9 3/4"	T M P	5 1/4" x 7 1/4"	M	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	
		30'	1 3/4" x 9 3/4"	T M	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M	
			3 1/2" x 7 1/4"	M	1 3/4" x 11 1/4"	T M	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	
			3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	3 1/2" x 11 1/4"	T M P	
	36'	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 14" (3)	T M		
		3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	1 3/4" x 11 1/4"	T M	3 1/2" x 9 3/4"	T M P		
		5 1/4" x 7 1/4"	M	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	3 1/2" x 11 1/4"	T M P		
		20LL + 20DL	24'	1 3/4" x 9 3/4"	T M	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M
				3 1/2" x 7 1/4"	M	1 3/4" x 9 3/4"	T M	3 1/2" x 9 3/4"	T M P	1 3/4" x 14"	T M
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		3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P				
Snow Area 115%	25LL + 15DL	24'	1 3/4" x 9 3/4"	T M	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 14"	T M	
			3 1/2" x 7 1/4"	M	1 3/4" x 11 1/4"	T M	3 1/2" x 9 3/4"	T M P	3 1/2" x 9 3/4"	T M P	
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			5 1/4" x 7 1/4"	M	3 1/2" x 9 3/4"	T M P	5 1/4" x 9 3/4"	T M P	5 1/4" x 11 1/4"	T M P	
40LL + 15DL	24'	1 3/4" x 9 3/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M	1 3/4" x 14" (3)	T M		
		3 1/2" x 9 3/4"	T M P	1 3/4" x 11 1/4"	T M	1 3/4" x 11 1/4"	T M	3 1/2" x 11 1/4"	T M P		
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T 1.55E TimberStrand® LSL **M** 1.9E Microllam® LVL **P** 2.0E Parallam® PSL

RELEVANT SPEC

8381 Single Hung Air, Water, Structural Performance
(per AAMA/WDMA/CSA 101/I.S.2/A440-05)

Rating (DP) ₁	Max. Structural Pressure	Water Infiltration ₂	Air Infiltration ₃	Size Tested
R25	37.50	6.00	0.06	52 X 72
HUD Zone III	58.00	2.86	0.19	36 x 60
R60	90.00	9.00	0.02	44 x 66
R60 (EP Upgrade)	90.00	9.00	0.03	52 x 72
Impact Model Rating - DP50, Large Missile Impact, Wind Zone 4, 43.5" x 65.5" TTT				

₁ Structural Test Pressure (psf) tested to at least 150% of DP rating

₂ Water Infiltration (psf) tested to at least 15% of DP rating

₃ Air infiltration units = scfm/ft²

8381 Single Hung Thermal Performance
per NFRC 100 & 200 (values in parentheses have grids)

Glass Type	Unit u-value	Unit SHGC ₅	Unit VLT ₆
<i>Clear insulating glass (clear/clear)</i>			
Clear	0.47	0.66 (0.60)	0.69 (0.61)
Clear/Impact ₁₁	0.50 (0.51)	0.55 (0.50)	0.66 (0.59)
<i>Stock Low E insulating glass (RLE 63/31 ₁₂ low e/clear, surface #2)</i>			
RLE 6331	0.32	0.27 (0.24)	0.53 (0.47)
RLE 6331/Argon	0.28	0.27 (0.24)	0.55 (0.47)
RLE 6331/Argon/Impact ₁₁	0.28 (0.29)	0.26 (0.24)	0.51 (0.45)
<i>Additional Performance Glass Options</i>			
<i>Low E insulating glass (RLE 71/38 ₁₂ low e/clear, surface #2)</i>			
RLE 7138	0.32	0.33 (0.30)	0.59 (0.53)
RLE 7138/Argon	0.28	0.33 (0.30)	0.59 (0.53)
<i>Reversed Low E insulating glass (clear/RLE 71/38 low e, surface #3) ₈</i>			
RLE 7138	0.32	0.40 (0.37)	0.59 (0.53)
RLE 7138/Argon	0.28	0.40 (0.37)	0.59 (0.53)
<i>Triple insulating glass (71/38 low e/clear/71/38 low e, surface #2,#5)</i>			
RLE 7138/CLR/RLE 7138/Argon ₇	0.24 (0.25)	0.28 (0.26)	0.47 (0.42)
RLE 7138/CLR/RLE 7138/Blend _{7,10}	0.20 (0.21)	0.28 (0.26)	0.47 (0.42)
RLE 7138/CLR/RLE 7138/Krypton ₇	0.18 (0.19)	0.28 (0.26)	0.47 (0.42)

₅ Solar Heat Gain Coefficient

₆ Visible Light Transmission

₇ Subject to glass size limitations

₈ Low E coating on surface #3 to increase SHGC

₉ Blend is approximately 45% Krypton, 45% Argon, 10% Air

₁₀ Blend for triple IG is Krypton in one airspace, Argon in the other.

₁₁ Laminated glass used in Paradigm Impact windows meets the requirements of ASTM C 1172

₁₂ 71/38 Low E is regular residential SHGC glass. 63/31 Low E is low SHGC glass.

Note: Some listed options may require special pricing and have extended lead times

Low E Coating	Argon	Krypton	Blend	Impact	Clear	Low E	Argon	Krypton	Blend
Blue	Yellow	Yellow	Yellow	Red	Green	Green	Green	Green	Green

Blue	Yellow	Yellow	Yellow	Red	Green	Green	Green	Green	Green
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Blue	Yellow	Yellow	Yellow	Red	Green	Green	Green	Green	Green
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Blue	Yellow	Yellow	Yellow	Red	Green	Green	Green	Green	Green
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Blue	Yellow	Yellow	Yellow	Red	Green	Green	Green	Green	Green
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SECTION 08600
POLYVINYL CHLORIDE (PVC) WINDOWS
8381 Single Hung

PART 1 – GENERAL

1.1 **APPLICABLE PUBLICATIONS:** The publications listed below form a part of this specification to the extent referenced. The publications are referred to in text by basic designation only.

1.1.1 Federal Specifications (Fed. Spec.):

L-S-125B	Screening, Non-metallic, Insect
DD-G-45-1D	Glass, Float or Plate, Sheet

1.1.2 American Architectural Manufacturers Association (AAMA)
National Fenestration Rating Council (NFRC)
American Society for Testing and Materials (ASTM)

AAMA 101 I.S.2-97	Voluntary Specification for Aluminum, PVC, and Wood Windows and Glass Doors
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Test method for rate of Air Leakage through Exterior windows, Curtain walls and doors (ASTM E283)

Test method for Structural Performance of Exterior Windows, Curtain walls and doors (ASTM E330)

Test method for Water Penetration of Exterior windows, Curtain walls and doors by Uniform Static Air Pressure Difference (ASTM E547)

Specifications for Sealed Insulating Glass Units (ASTM E774)

AAMA 1503-98	Voluntary test method for Condensation Resistance of Windows, Doors, and Glazed wall sections
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NFRC 100-97	Procedure for Determining Fenestration Product U-Factors
NFRC 200-97	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients

1.1.3 AAMA Certification Program for Vinyl Window Manufacturers

1.2 **SUBMITTALS:** Submit to Contracting Officer for Approval.

1.2.1 **Certified Test Reports:** Submit for air infiltration, water resistance, and uniform loading in accordance with the above referenced specification.

1.2.2 **Catalog Data:** Shall describe each type of window, hardware, fastener, accessory, operator, screen, and finish.

1.2.3 **Certification of Compliance:** Submit certificates that identical windows have been successfully tested and meet the requirements specified herein for air infiltration and water penetration.

1.3 **DELIVERY AND STORAGE:** Deliver windows to project site in an undamaged condition. Use care in Handling and hoisting during transportation and at the job site. Store windows and components out of contact with the ground, under cover, protected from weather, so as to prevent damage to the windows. Damaged windows shall be repaired to an “as new” condition or replaced as approved.

1.4 **PROTECTION:** Finished surfaces shall be protected during shipping and handling using manufacturers standard method.

1.5 **CERTIFICATION:** Window units shall be tested and certified for performance with the above referenced test methods. All window units shall be labeled certifying conformance with AAMA 101/I.S.2-97, NFRC 100-97 and Energy Star

- 1.6 CERTIFIED FABRICATOR. Windows shall be fabricated by an AAMA Certified Fabricator.
- 1.7 WARRANTIES:
- 1.7.1 Windows shall be fully warranted against any defects in material or workmanship under normal use and service for a period of 20 years from date of acceptance on commercial projects and lifetime warranty to original homeowner on residential projects. 5 years factory labor included.
- 1.7.2 PVC finish shall be warranted against chipping, peeling, cracking, or blistering for a period of 20 years from date of acceptance.
- 1.7.3 Insulated Glass Units shall be fully warranted against visual obstruction resulting from film formation or Moisture collection between the interior glass surface, excluding breakage, for a period of 20 years from date of acceptance on commercial projects and lifetime warranty to original homeowner on residential projects. 5 years factory labor included.
- 1.7.4 Contractor shall provide a written service warranty that clearly spells out how requests for service shall be handled, by whom, under whose responsibility and shall include the time frame for handling these service requests. A labor warranty providing service on the windows shall cover a period of not less than 10 years, and shall be provided in writing. A copy of the product and labor warranty must accompany other applicable warranties and be presented with bid.
- 1.8 PERFORMANCE REQUIREMENTS: Thermopane double Glazed Low E² insulating glass and argon gas fill may be optional.
- 1.8.1 Test for air infiltration shall be in accordance with AAMA 101/I.S.2-97. On a test, the air rate shall not be greater than 0.3 cfm* per square foot of sash area.
- 1.8.2 Test for water infiltration shall be in accordance with AAMA/NWWDA 101/I.S.2-97. Test results for different window sizes appear below.
- 1.8.3 Uniform Load Structural Test, with the window closed and locked, shall be in accordance with AAMA 101/I.S.2-97 Test results for different window sizes appear below.

Type	Rating (DP) ₁	Water Infl. ₂	Size Tested
H	R30	5.25	44 X 60
H	R50	7.5	36 X 60
H	R35	5.25	54 X 72
H	C50	7.5	36 X 60

₁Structural Pressure (psf) tested to at least 150% of DP rating

₂Water Infiltration (psf) tested to at least 15% of DP rating

Test for Thermal Performance shall be in accordance with NFRC 100-97

Test for Condensation Resistance Factor (CRF) shall be in accordance with AAMA 1503-98

PART 2 – PRODUCTS

- 2.1 MANUFACTURER. Paradigm Single Hung Window as manufactured by Paradigm Window Solutions, 400 Riverside Industrial Parkway, Portland, ME 04103.
- 2.2 MATERIALS: Windows shall conform to the requirements of specifications listed above. Provide windows of combinations, types and sizes indicated or specified.
- 2.2.1 Extruded PVC components, produced from commercial quality virgin powder dry blend PVC (unplasticised polyvinyl chloride), conforms to AAMA 303 from sections in one piece, straight, true and smooth. Provide multi-chambered PVC extruded frames and sash in accordance with the manufacturers standard practice. Make fusion welded frame joints strong enough to develop full strength of members, with an exterior wall thickness of .070" Head and jamb members shall have integral screen stops. Make interior horizontal top surfaces of both meeting rails flat and in the

same plane. Meeting rails have an integral interlock with two contact points of pile weatherstrip provided. Sash shall have fusion welded miter corners with an external wall thickness of .070"

- 2.2.1.1 Balance Mechanism: Provide two stainless steel 1/2" thickness constant force coil balance springs for each sash. Enclose balance springs in rustproof cases, with jamb liner covers, from the top of the bottom sash to the head of the window unit. Balance covers shall be finished to match window frame finish and easily removable for field service. Balances shall also have an interlocking pivot bar, for integral frame alignment with sash for keeping window frames straight and true during installation.
- 2.2.1.2 Locking Device: Provide each window over 32 inches in width with two cam-action sweep sash Locks. The lower sash shall have one continuous, integral lift rail at the bottom of the sash. Provide two tilt latches in the top of each sash for tilting in sash for cleaning. The tilt latches shall be integrally mortised into the sash top rails for a clean appearance.
- 2.2.2 Glass and Glazing: Glass shall conform to DD-G-451 and not less than "B" quality. Sash shall be in Factory glazed 3/4" insulating glass conforming to ASTM-E-774, with Truseal Swiggle seal spacer, manufactured by TruSeal Industries, Inc., Cleveland OH 44122. Glazing shall be integral glazing type system with architectural back bedded glazing tape and designed to maintain a watertight seal between glass and sash frame.
- 2.2.3 Caulking and Sealing: As specified or recommended by window manufacturer.
- 2.2.4 Weather-stripping: All sash units shall be triple weather-stripped where the sash meet the jamb using silicone treated pile with a mylar center fin bonded to backing. There shall be two contact points of silicone treated pile weatherstrip where the sash comes into contact with the master frame sill.
- 2.2.5 Insect Screening: Fed. Spec. L-S-125, Type II, Class 2 (plastic coated or impregnated fibrous glass yarn) of standard color as approved, mesh 18 X 16
- 2.3 FABRICATION
 - 2.3.1 Weathering Surfaces: All frame members shall be multi-chambered PVC extrusions utilizing double wall design without the need for reinforcement. Frame corners shall be fusion welded. Sash members shall be multi-chambered PVC extrusions utilizing double wall design at all glazing locations. Horizontal sash members shall be mitered and fusion welded to vertical sash members.
 - 2.3.2 Drips and Weep Holes: Provided as required to return water to the outside.
 - 2.3.3 Glazing Thickness: Design glazed windows and rabbets suitable for glass thickness specified above.
 - 2.3.4 Fasteners: All fasteners are to be stainless steel type, corrosion resistant. Use flathead, cross-recessed type, exposed head screws with standard threads on windows, trim, and accessories. Screw heads shall finish flush with adjoining surfaces. Self-tapping sheet metal screws are not acceptable for material more than 1/16 inch in thickness. All sheetmetal screw fasteners shall penetrate into a screw boss consisting of at least three layers of PVC profile for secure fastening and reduce pull out.
 - 2.3.5 Provisions for Glazing: Design sash for outside double-glazing and for securing glass with manufacturer's standard glazing systems. Provide glazing channels of adequate size and depth to receive and properly support the glass and glazing accessories.
 - 2.3.6 Accessories: Provide windows complete with necessary hardware, fastenings, clips, fins, anchors, glazing beads, and other appurtenances necessary for complete installation and proper operation.
 - 2.3.7 Weather-stripping: Provide for ventilating sections of all windows to insure a weathertight seal meeting the infiltration tests specified herein. Use easily replaceable factory applied weather-stripping of manufacturer's stock type, as specified above. For sliding surfaces, use silicone treated pile, with a mylar center fin bonded to a plastic-backing strip. Do not use neoprene or polyvinylchloride weather-stripping where they will be exposed to direct sunlight.
 - 2.3.8 Finishes: Exposed surfaces shall be factory finished. All windows for each building shall have same finish.

- 2.3.9 Screens: Provide one insect screen for each operable ventilating unit. Design screens to fit closely around entire perimeter of each ventilator or opening, to be rewirable, easily removable from inside building, and interchangeable for same size ventilators of similar type windows, with no exposed fasteners and latches. Provide all guides, stops, clips, bolts and screws as necessary, for a secure and insect tight attachment to window. Provide continuous extruded aluminum screen frame for screen strength, and a center tie bar on taller units to prevent frame compression. Aluminum screen wire shall be provided when stipulated.
- 2.3.9.1 Screen Frames: Provide same quality and color finish as the window units. Frames shall have aluminum sections not less than .6875" by .375" thick and shall have removable vinyl splines. Hardware, attachment devices, and accessories shall be manufacturer's standard and of same quality, material and finish as hardware of window unit. Screen shall be removable from the interior of the building.
- 2.3.9.2 Screening: Install screening with weave parallel to frame and stretch sufficiently to present a smooth appearance. Conceal edges of screening in the spline channel.
- 2.3.10 Finish: Exposed surfaces of aluminum extrusions shall be thoroughly cleaned, primed and given a baked enamel finish in accordance with AAMA 603.8 with total dry thickness not less than 0.8mil. The finish color shall match the vinyl window.

PART 3 – EXECUTION

3.1 INSTALLATION

- 3.1.1 Method of Installation: Install in strict accordance with the window manufacturer's printed instructions and details, except as specified otherwise herein. Install windows without forcing into prepared window openings. Insulate perimeter of window frame with acceptable approved insulation material, as recommended by window manufacturer. Set windows at proper elevation, location, and reveal; plumb, square, level, and in alignment; and brace, strut, and stay properly to prevent distortion and misalignment. Protect ventilators and operating parts against accumulation of dirt, and building materials by keeping ventilators tightly closed and locked to frame. Bed screws in sill members, joints at mullions, contacts of windows with sills, built in fins, and sub-frames in approved sealant. Install windows in a manner that will prevent entrance of water. Provide sill angle flashed in sealant at windowsills.
- 3.1.2 Anchors and Fasteners: Make ample provision for securing units to each other, and to adjoining construction.
- 3.1.3 Adjustments after Installation: After installation of windows adjust all ventilators and hardware to operate smoothly and to provide weathertight sealing when ventilators are closed and locked. Lubricate hardware and operating parts as necessary.
- 3.1.4 Protection: Where surfaces are in contact with, or fastened to wood, or dissimilar materials, the surface shall be protected from dissimilar materials as recommended by the manufacturer. Surfaces in contact with sealant after installation shall not be coated with any type of protective material.
- 3.2 CLEANING: Clean interior and exterior of window units of mortar, plaster, paint spattering spots, Sealants, and other foreign matter to present a neat clean appearance and to prevent fouling of weather-stripping surfaces and weather-stripping, and to prevent interference with the operation of hardware. Replace with new windows all stained, discolored, or abraded windows that can not be restored to their original condition.

END OF SECTION



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

June 8 2011

Received from Don Kubert Plumbing

Location of Work 36 Dudley Ave

Cost of Construction \$ Building Fee:

Permit Fee \$ Site Fee:

Certificate of Occupancy Fee:

Total:

Building (IL) Plumbing (I5) Electrical (I2) Site Plan (U2)

Other

CBL: 193 12 094

Check #: 3724 Total Collected \$ 120.00

**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