

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

# CITY OF PORTLAND

## BUILDING INSPECTION

# PERMIT

Please Read Application And Notes, If Any, Attached

**PERMIT ISSUED**

Permit Number: 070671

JUN 12 2007

**CITY OF PORTLAND**

This is to certify that FILES PETER C. & SHARON M FILES ITS/TrueNorth Home Systems

has permission to Demo and finish existing basement

AT 136 WOODFIELD RD City of Portland, Oregon 182 C002001

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

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

Notification of inspection must be given and when permission proceeds before this building or part thereof is started or service closed-in. 24 HOUR NOTICE REQUIRED.

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

**OTHER REQUIRED APPROVALS**

Fire Dept. \_\_\_\_\_

Health Dept. \_\_\_\_\_

Appeal Board \_\_\_\_\_

Other \_\_\_\_\_

Department Name

6/12/07 *Clayton M*  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

**City of Portland, Maine - Building or Use Permit Application**

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

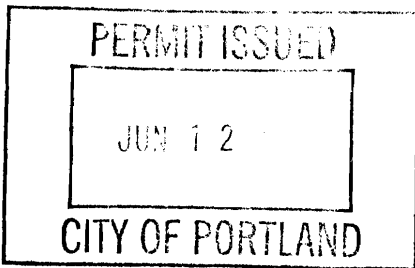
Permit No: 07-0671	Issue Date:	CBL: 182 C002001
-----------------------	-------------	---------------------

Location of Construction: 136 WOODFIELD RD	Owner Name: FILES PETER C & SHARON M FI	Owner Address: 136 WOODFIELD RD	Phone:
Business Name:	Contractor Name: TrueNorth Home System	Contractor Address: 91 Industrial Park Rd Saco	Phone 2079852300
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Dwellings	Zone: R-3

Past Use: Single Family	Proposed Use: Single Family/ Finish Basement	Permit Fee: \$300.00	Cost of Work: \$28,000.00	CEO District: 5
Proposed Project Description: Demo and finish existing basement		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: R-3 Type: SB JRC-2003	
		Signature: <i>6/12/07</i>		Signature: <i>6/12/07</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: csh	Date Applied For: 06/08/2007	<b>Zoning Approval</b>
-------------------------	---------------------------------	------------------------

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p><b>Special Zone or Reviews</b></p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>6/12/07</i>	<p><b>Zoning Appeal</b></p> <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	<p><b>Historic Preservation</b></p> <input type="checkbox"/> Not in District or Landmark <input checked="" 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>u</i>
	<p><i>existing Basement O.K.</i></p>		



**CERTIFICATION**

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

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

**City of Portland, Maine - Building or Use Permit**

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

<b>Permit No:</b> 07-0671	<b>Date Applied For:</b> 06/08/2007	<b>CBL:</b> 182 C002001
------------------------------	--	----------------------------

<b>Location of Construction:</b> 136 WOODFIELD RD	<b>Owner Name:</b> FILES PETER C & SHARON M FI	<b>Owner Address:</b> 136 WOODFIELD RD	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> TrueNorth Home System	<b>Contractor Address:</b> 91 Industrial Park Rd Saco	<b>Phone:</b> (207) 985-2300
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Alterations - Dwellings	

<b>Proposed Use:</b> Single Family/ Finish Basement	<b>Proposed Project Description:</b> Demo and finish existing basement
--	---

**Dept:** Zoning      **Status:** Approved      **Reviewer:** Chris Hanson      **Approval Date:** 06/12/2007  
**Note:**      **Ok to Issue:**

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Chris Hanson      **Approval Date:** 06/12/2007  
**Note:**      **Ok to Issue:**

- 1) This permit DOES NOT certify the use of the property or building. It only authorizes the construction activities.
- 2) Separate permits are required for any electrical, plumbing, or HVAC systems. Separate plans may need to be submitted for approval as a part of this process.
- 3) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.



# 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>136 Woodfield Ave</u>		
Total Square Footage of Proposed Structure		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart#      Block#      Lot#	Owner: <u>Peter Files</u>	Telephone: <u>253-5774</u>
Lessee/Buyer's Name (If Applicable)  <u>NA</u>	Applicant name, address & telephone: <u>TrueNorth Home Systems</u> <u>91 Industrial Pk Rd</u> <u>Saco ME 04072</u> <u>985-2300 x211</u>	Cost Of Work: \$ <u>28,000</u> Fee: \$ _____ C of O Fee: \$ _____
Current Specific use: <u>Single-family residence</u> If vacant, what was the previous use? <u>single-family residence</u> Proposed Specific use: <u>Finished basement</u>		
Project description: <u>Demolition + removal of current finished basement and installation of 351 sq ft Basement Finishing System</u>		
Contractor's name, address & telephone: <u>TrueNorth Home Systems</u> <u>91 Industrial Park Rd Saco ME 04072 985-2300 x211</u> Who should we contact when the permit is ready: <u>ERIN VAFIADES</u> Mailing address: <u>91 Industrial Park Rd</u> <u>Saco ME 04072</u> Phone: <u>985-2300 x211</u>		

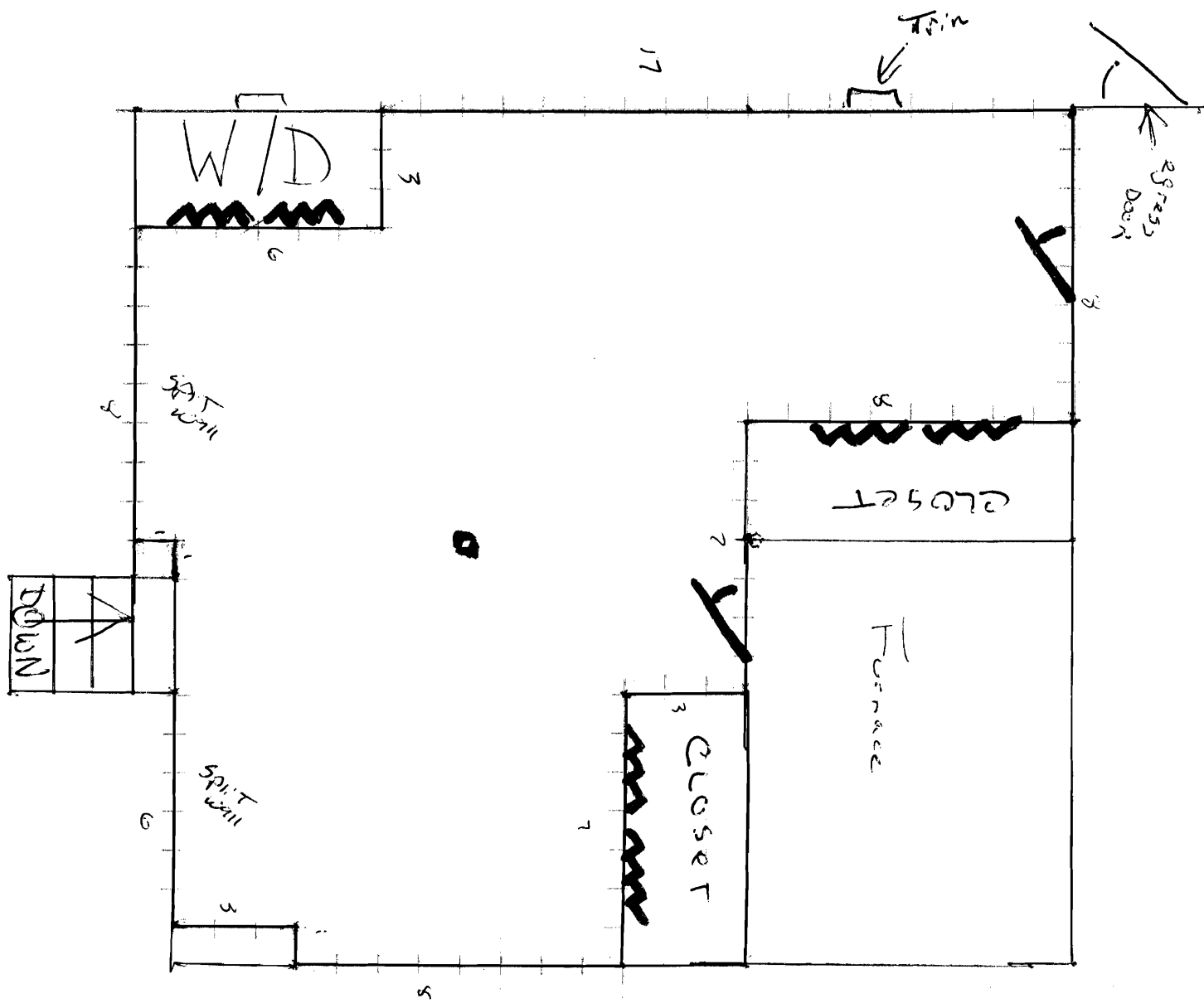
Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), stop by the Building Inspections office, room 315 City Hall or call 874-8703.

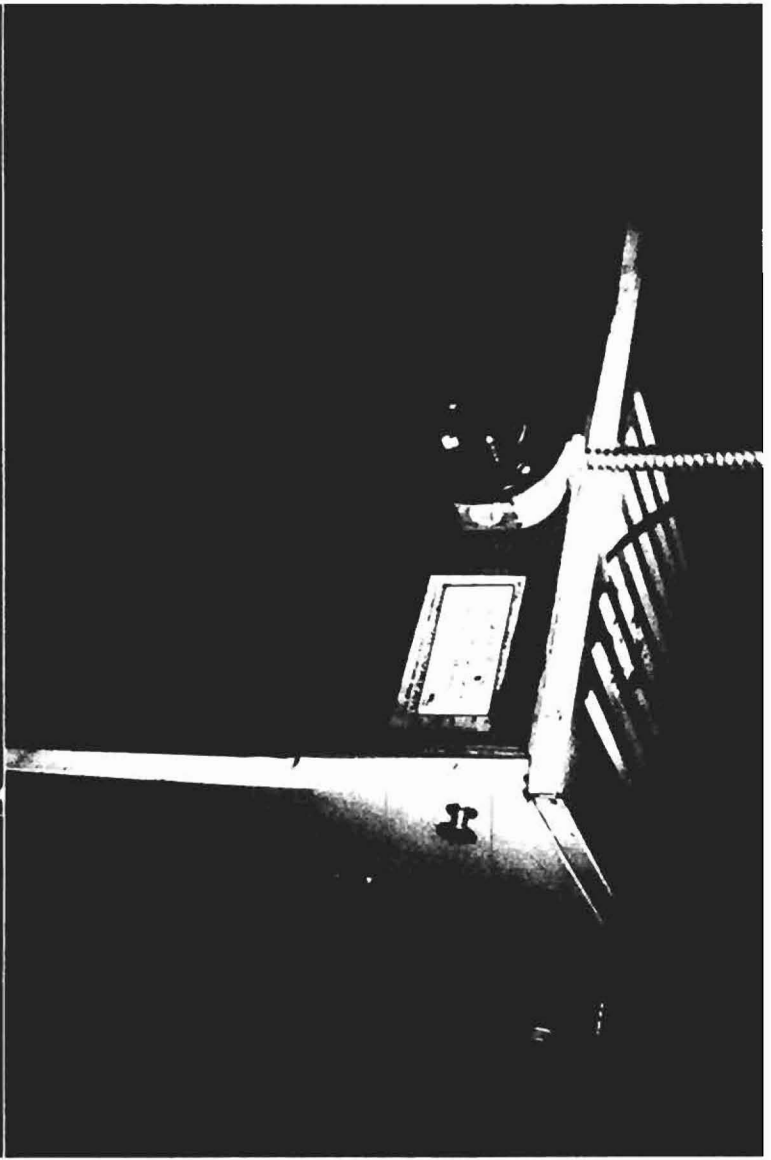
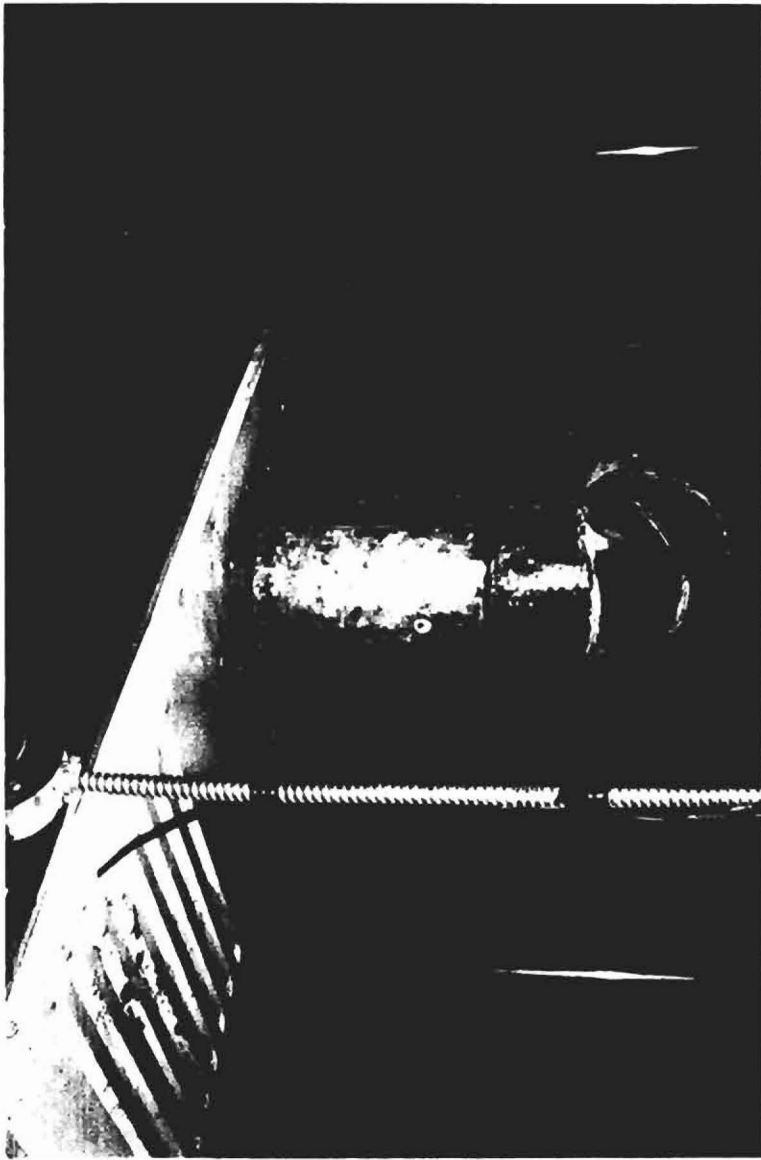
I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition,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

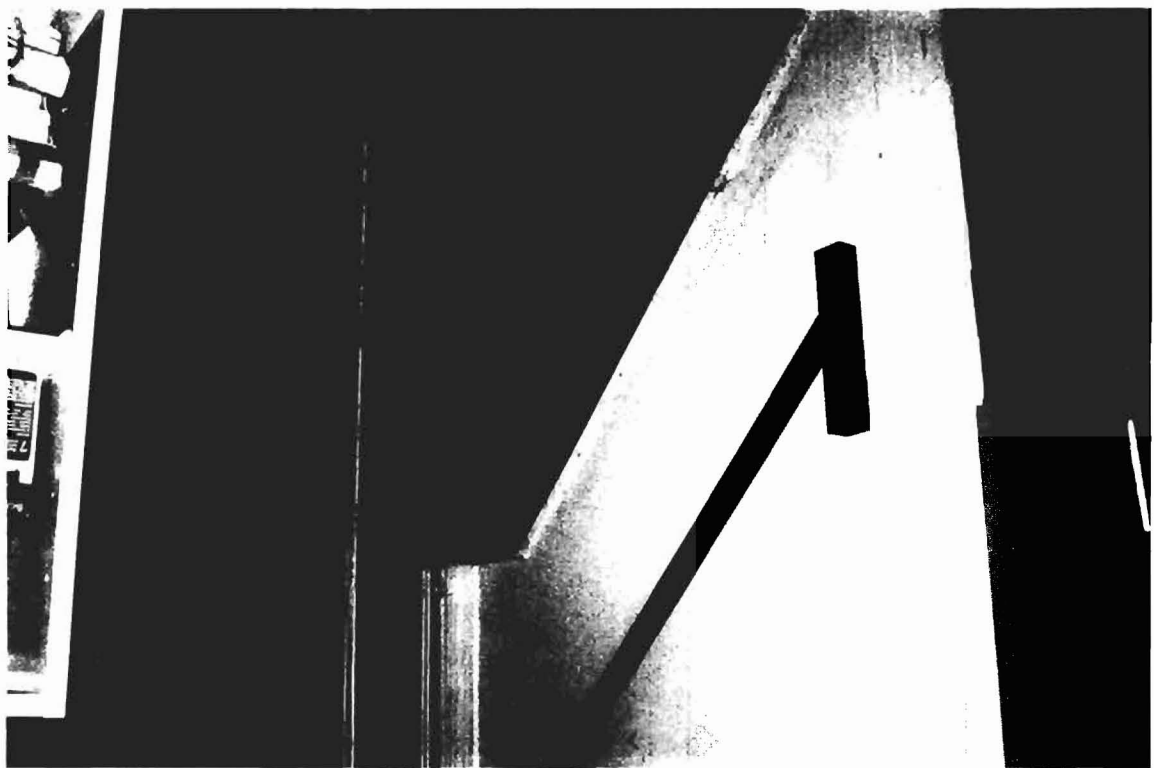
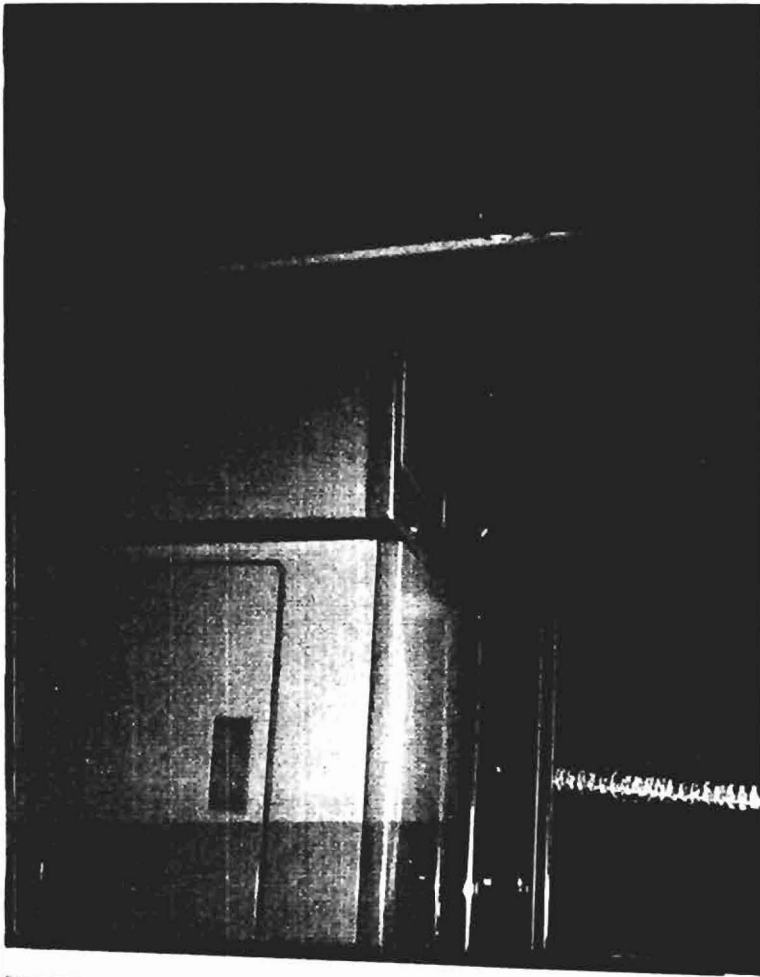
Signature of applicant: <u>Erin N Vafiades - TNHS</u>	Date: <u>5-2-07</u>
---	---------------------

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













91 Industrial Park Rd.  
 Saco, ME 04072  
 207-985-2300 x211  
 207-286-8039 fax

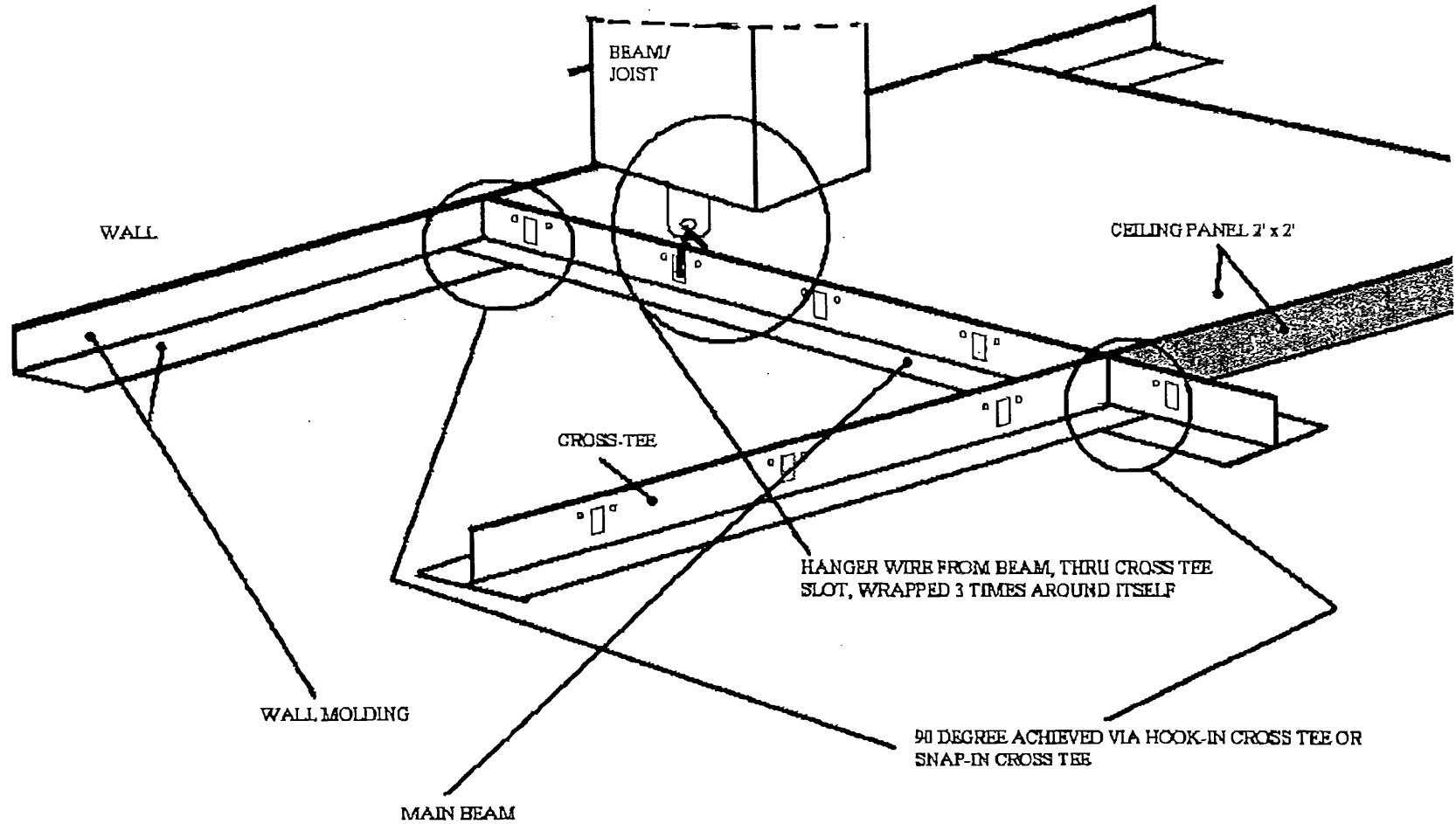
# Fax

To: City of Portland	From: Erin Hafiades
Att: Chris Hanson, CEO	Pages: 2
Fax: 874-8949	Date: 6/08/07
PO #	Job Name: 125 Beverly St - Gendron, Michael

Here's the diagram for the drop ceiling we use in the basement systems. It's a standard drop ceiling from Armstrong w/ 2'x2' panels. In rarer cases where a wall molding cannot be used, hanger wires support the mains from the joists/beams. Sorry for the quality of the sketch; they won't spring for AutoCAD + make me do everything on MSPaint. (We're real professional like that.)

Call for any questions - FRIN - 985-2300

16-gauge hanger wires  
1 wire on every other joist

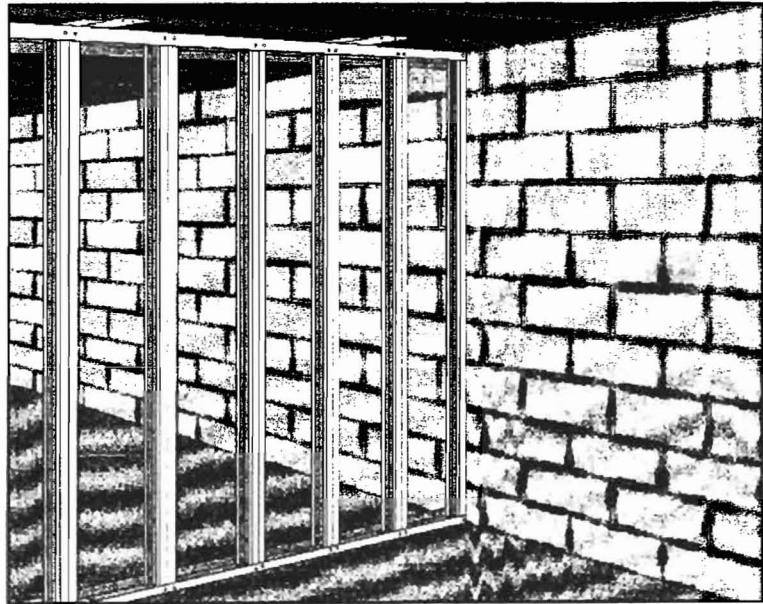


UNIVERSITY MICROFILMS INTERNATIONAL

## Overview

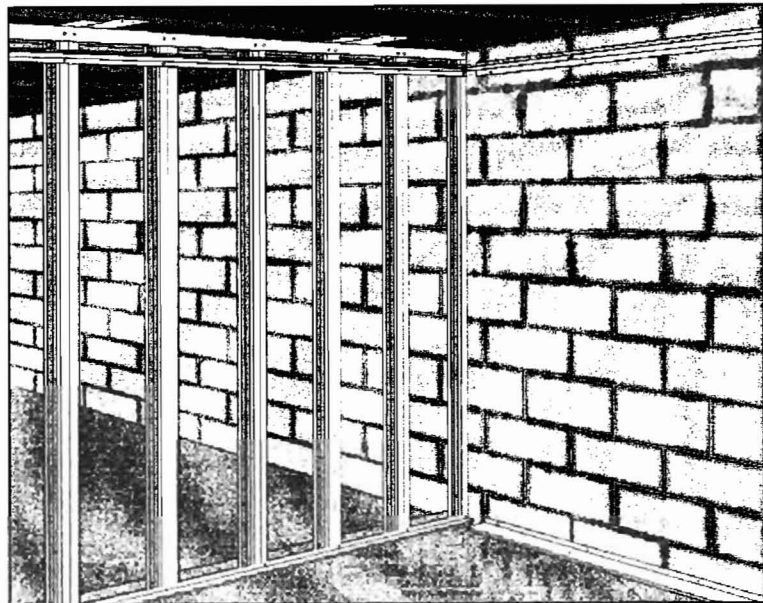
### **Steel Frame Walls**

- Construct full height steel frame walls
- Studs are attached back to back
- Made with 25ga. 2-1/2" or 1-5/8" studs



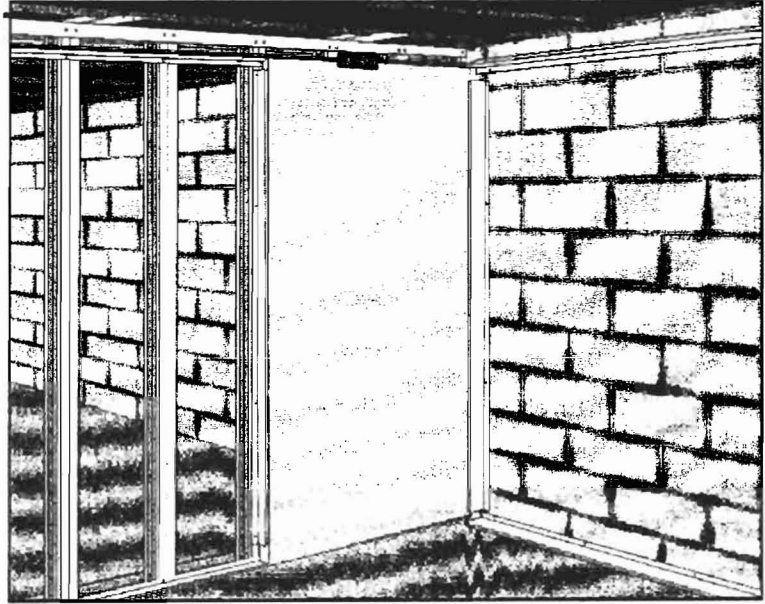
### **Ceiling & Floor Lineals**

- Proprietary lineals are attached to the wall so the trim can be snapped into place which holds the panels.
- Ceiling lineals are used instead of the wall angle for the ceiling grid
- Floor lineals are installed so they follow the contour of the floor.



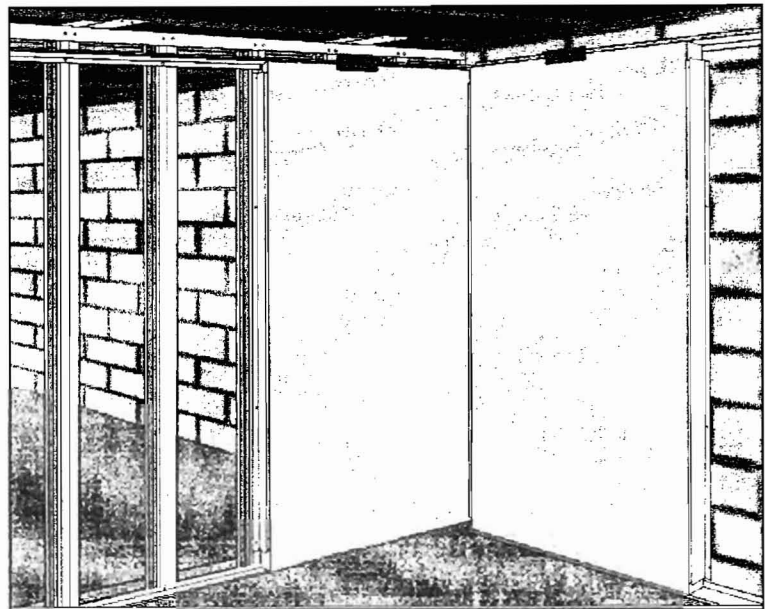
### **Corner Lineal & Panel**

- Cut and set panel in place. Snap a small piece of cove trim into the ceiling lineal to hold the panel in place.
- Cut all vertical lineals to length so they fit between the floor and ceiling lineals, NOT overlapping. Slide the corner lineal up snug to the panel and check for plumb.
- Use the same procedure on the other side of the panel and fasten to stud.



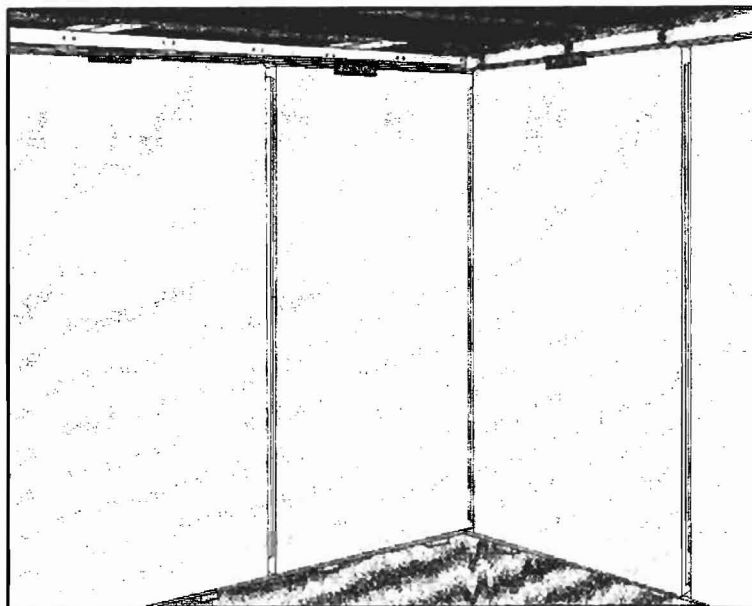
### **Second Corner Panel**

- Cut and set next panel in place.
- Slide the vertical lineal up snug to the panel and fasten to wall.



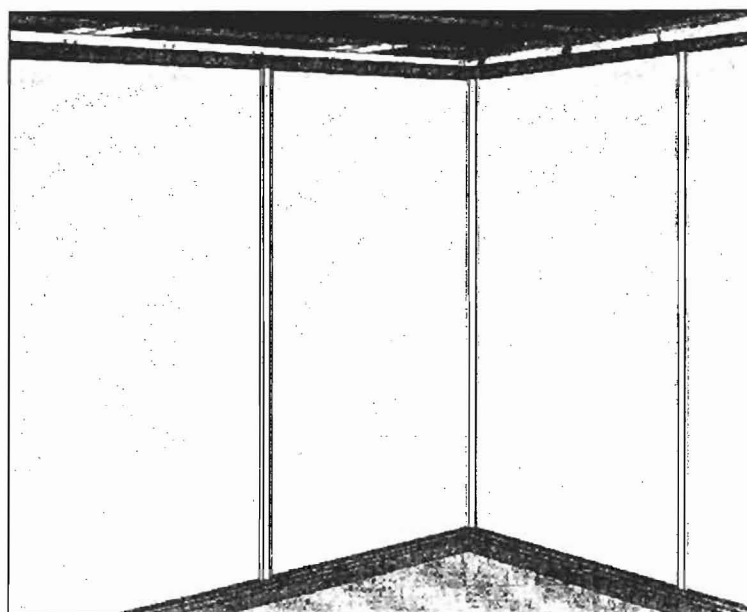
### **Vertical Lineals and Panels**

- Install full width panels for the rest of the wall until you meet a door or corner.



### **Trim**

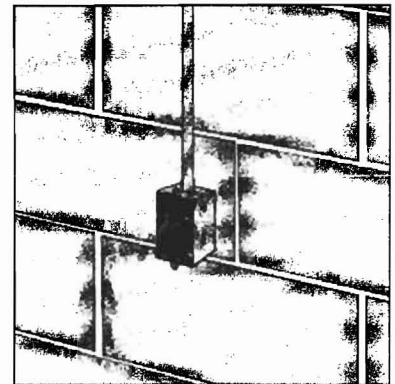
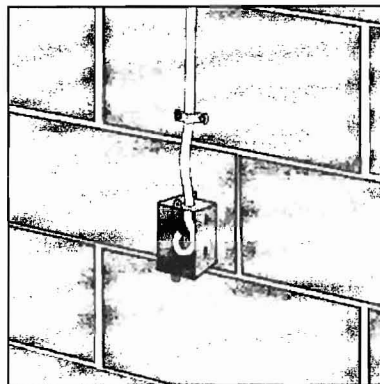
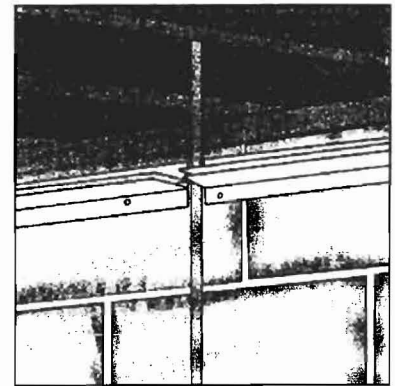
- Install horizontal base and cove trim first.
- Then install vertical corner and batten trim.



## Electric Boxes

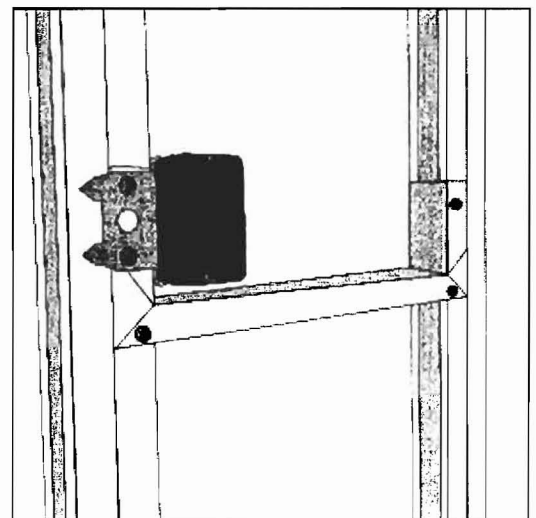
### **Attachment to Concrete Walls**

- Use 2-1/2" deep boxes fastened directly to concrete wall with concrete screws.
- Attach wire or conduit to wall as required.



### **Attachment to Steel Frame Walls**

- Fastened directly to the stud with a **brace as shown for support** between studs using sheet metal screws. This brace is important to keep the box from twisting. Pictured is a 3-1/4" deep "Adjust-A-Box" electric box by Carlon - Lamson & Sessions with 21.1 cu in volume. A single screw adjusts the box for the proper depth to the 1" interior panel.



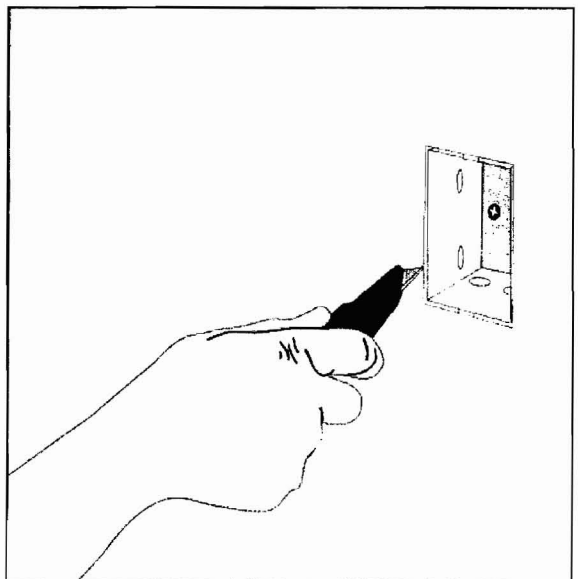
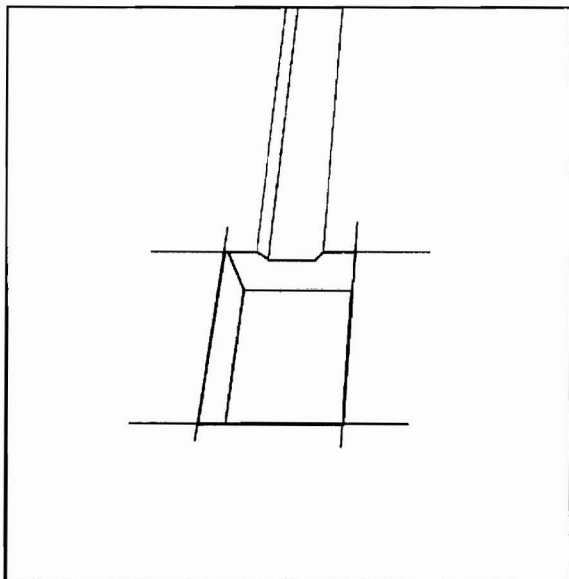
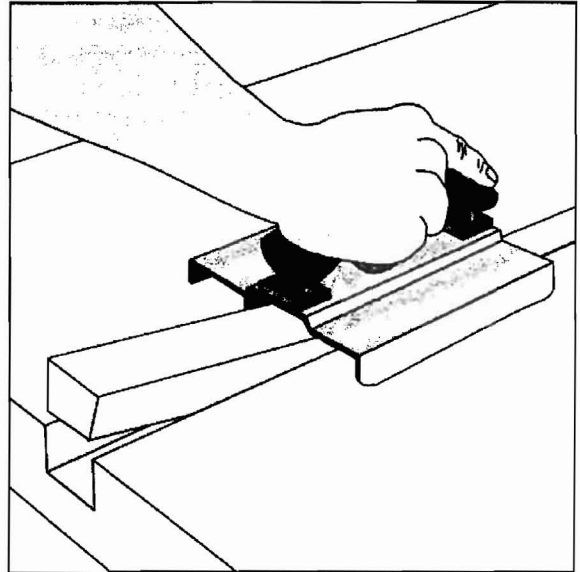
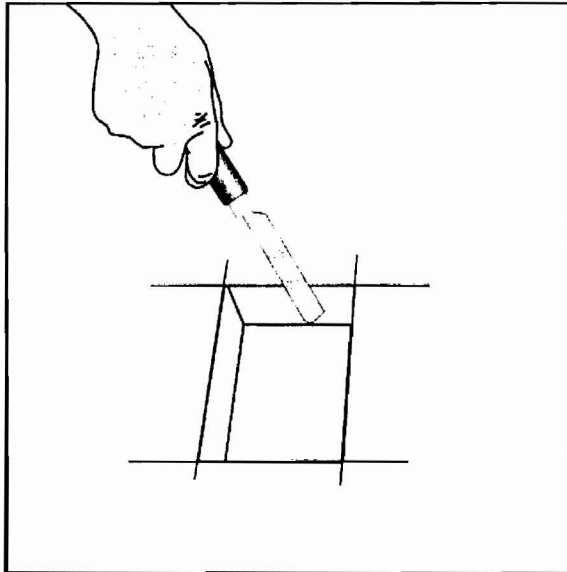
## Cutting Panels for Electric Boxes

### *1" panels*

- Mark location of box.
- Cut out box opening

### *2-1/2" panels*

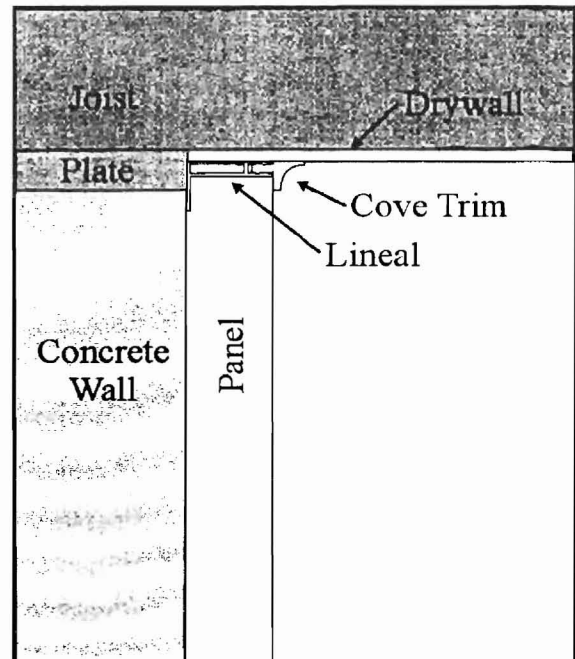
- Mark location of box by placing the panel onto the wall and applying pressure to the front of the board so that an indentation of where the box is located is imprinted.
- Cutting from the back side, cut through the fiberglass with the pointed edge of a green handle knife, but not the facing. Use the rounded corner of the knife to finish cutting the fiberglass down to the facing. Remove the fiberglass plug.
- If conduit is used, groove the back of the board for the conduit to rest in using the grooving tool. (romex wiring does not require this)
- Install panel onto wall and finish cut the facing around the box with a razor knife or scissors.



## Ceiling

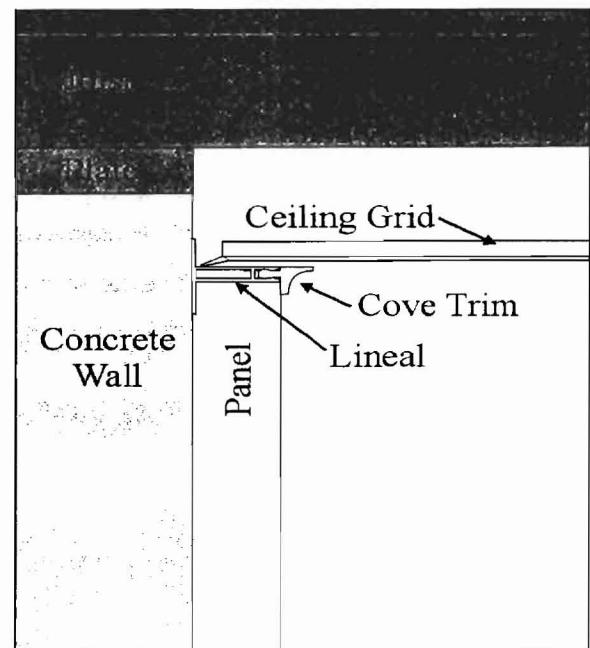
### Installing to Existing Drywall Ceiling

- Remove one flange from a lineal (see page 16)
- Install it snug to the drywall ceiling. It may be fastened into the wall or ceiling joists.

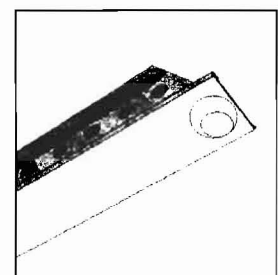
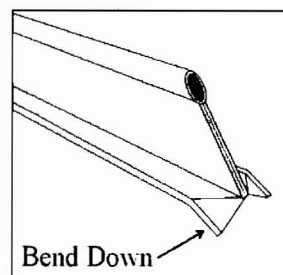


### Drop Ceiling Installation

- Determine ceiling height, and mark wall 1-3/4" less.
- Snap a chalk line or use a laser to assure a level installation.
- Align the lineal to this line. Install two (2) fasteners every 24" to 30" along the ceiling lineal, one in each flange. If the fastener is within 3" of the top of the wall, use concrete screws to prevent damage to the concrete. This will be your wall angle for the ceiling grid.



**Hint:** When installing a Mohave tile ceiling, save yourself some time by raising the grid system slightly off of the ceiling lineal / wall angle so you do not have to cut a reveal edge around the perimeter of the room! Pictured here are two ways of raising the grid, using pliers to bend the corners down at 45 degree angles or by attaching a 3/16" thick cabinet door bumper.





## Carpet Installation Guidelines

### **If carpet is *already* installed**

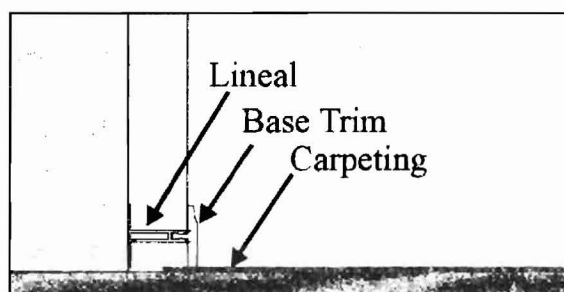
- To install floor lineals, snap short pieces of the base trim into the lineals to help locate the floor lineal onto the wall. This will help index the lineal the correct height off the floor.
- Visually check that the base trim lays flat on the carpet before attaching the lineal to the wall.

### **If carpet is *to be* installed**

- If you know the type of flooring and its thickness, consider indexing the lineal and base trim off the floor so the flooring tucks under the base trim.
- If the carpet needs stretched, use a carpet re-stretcher, not a power stretcher.
- If the type of flooring cannot be determined before installation, attach the lineals tight to the floor.

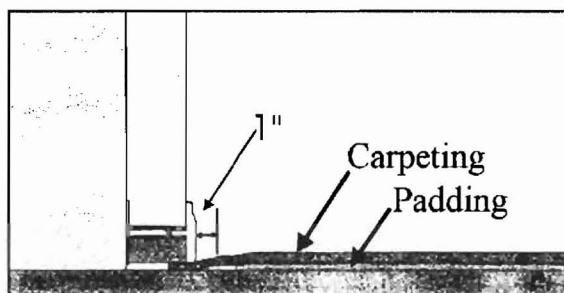
#### **Glued carpet (or vinyl)**

- Index off the floor the thickness of the flooring.



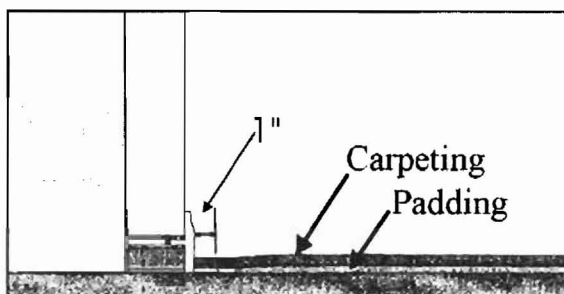
#### **Lineals indexed off the floor**

- Index off the floor depending on the thickness of the carpet (general rule of thumb is 1/2").
- Install tack strip 1" in front of the base trim.
- Tuck carpet under base trim as shown.  
*Note: Stiff carpets may require this.*



#### **Lineals tight to the floor**

- Install lineal tight to the floor.
- Install tack strip 1" in front of the base trim.
- Butt carpet to base trim as shown.  
*Note: Works only with pliable carpets.*





# BASEMENT FINISHING SYSTEM

# SUBMITTAL SHEET

INNOVATIONS FOR LIVING™

## DESCRIPTION

The Owens Corning™ Basement Finishing System is comprised of lightweight fiber glass panels, PVC lineals (which replace conventional framing) and foamed PVC trim moldings (which replace trim lumber). The trim moldings snap into the lineals, holding the panels in place. Moldings and wall panels are easily removed to provide easy access to a home's foundation walls. Because traditional wood and paper-based building materials are replaced with fiber glass and PVC materials, the Basement Finishing System offers inherent resistance to moisture, mold and mildew.\* The system is covered by a lifetime limited transferable warranty\*\* from Owens Corning.

## USES

The Owens Corning™ Basement Finishing System is an innovative system designed to insulate and finish basement walls. It insulates, acoustically treats and aesthetically finishes walls in a few simple steps. The system can be installed over both masonry foundation walls and interior partition walls built with either wood or metal members.

## AVAILABILITY

94" x 48" x 2-1/2" Panels  
Lineals

### Trim Molding:

Cove Molding  
Vertical Battens  
Base Molding  
Outside Corner  
Casing  
Jamb Extender  
Chair Rail

### Color Choices:

Panels: "Linen Mist" woven fabric  
Trim: All trim available in White or Woodgrain.  
In addition, vertical trim available in fabric look finish or fabric wrapped to match panels.

## CODE COMPLIANCE

2000 BOCA Evaluation #21-24  
2004 ICC Report #NER-635

\* While the materials and design of the Owens Corning™ Basement Finishing System resist mold and mildew, the System can not prevent or alleviate mold if the conditions necessary for mold growth otherwise exist in your basement.

\*\*See actual warranty for details, limitations and restrictions.



## PHYSICAL PROPERTIES

Property	Test Method	Value
<b>For Fiber Glass Board:</b>		
Water Vapor Sorption	ASTM C 1104	<2% by wt. @ 120NF, 95% RH
Compressive Strength @10% deformation @25% deformation	ASTM C 165	25 psf 90 psf
Thermal Resistance	ASTM C 518	R-11
Normal Density	ASTM C 303	3.2 PCF
<b>For Finished Panel:</b>		
Noise Reduction Coefficient	ASTM C 423 Type A Mount	0.95
Surface Burning Characteristics -Meets Class A Burn Rating	ASTM E 84+	Class A Flame Spread ≤ 25 Smoke Developed ≤ 450
Interior Textile Finish Fire Classification	NFPA-286	Meets Acceptance Criteria
Mold Resistance	ASTM C 1338 ASTM G 21	Pass Pass

+The surface-burning characteristics of the finished composite panel were determined in accordance with ASTM E 84. This standard measures and describes the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions. Data from ASTM E 84 testing cannot be used to describe or assess the fire hazard or fire risk of materials, products or assemblies when considering all of the factors pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

## FEATURES AND BENEFITS

Feature	Benefit
Modular wall system	Installs in about 2 weeks
Snap-out moldings and panels	Complete interior foundation access
Resilient glass fiber construction	Will not dent like drywall
Moisture resistant materials	Resists mold and mildew growth
2 1/2" thick panels	Added R11 Insulation
Tackable surface	Hanging pictures or papers without leaving permanent holes with proper use of picture support plate
High Noise Reduction Coefficient (NRC)	Increased comfort, outstanding sound absorption
Wall panels indexed 1-3/4" off of floor	Helps to minimize flood damage potential
Removable base molding	Provides wire chase for speaker wires, TV cable, computer, and other low voltage cables
Lifetime limited transferable warranty**	Offers homeowner peace of mind
Dupont Teflon® fabric protector	Stain resistant
Certified installers	Individuals trained for quality installation
Ceiling design flexibility	Integrates easily with drop or drywall ceilings

Based on an average basement, with two certified installers.

\*\*See actual warranty for details.



**INNOVATIONS FOR LIVING™**

**OWENS CORNING WORLD HEADQUARTERS**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659

**[www.owenscorning.com](http://www.owenscorning.com)**  
**1-800-GET-PINK**

Pub. No. 5-BL-44071-D. Printed in U.S.A., September 2004.

The color PINK is a registered trademark of Owens Corning.  
© 2004 Owens Corning