

**City of Portland, Maine - Building or Use Permit Application** 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 75 Brackett St		Owner: Dan Stevens		Phone:		Permit No: <b>960187</b>	
Owner Address:		Leasee/Buyer's Name: Mercy Hospital/Parking Garage		Phone:		Business Name:	
Contractor Name: Mercy Hospital		Address: 144 State St Portland, ME 04102		Phone: 879-3379		<div style="border: 2px solid black; padding: 5px; text-align: center;"> <b>PERMIT ISSUED</b>                  Permit Issued:  <b>MAR 21 1996</b> </div>	
Past Use: <b>DEFOURTE CONST.</b> Parking Garage		Proposed Use: Same		COST OF WORK: \$ 11,800.00		PERMIT FEE: \$ 80.00	
Proposed Project Description: Make Renovations as per plans		FIRE DEPT. <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION:		Zone: <b>D-1</b> CBL: <b>45-E-37</b>	
				Signature: <i>[Signature]</i>		Signature: <i>[Signature]</i>	
Permit Taken By: <b>Mary Gresik</b>		Date Applied For: <b>15 March 1996</b>		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		Zoning Approval:	
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved with Conditions <input type="checkbox"/> Denied		Signature: _____ Date: _____		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 checked="" type="checkbox"/> major <input type="checkbox"/> minor <input type="checkbox"/> mm <input type="checkbox"/>	

1. This permit application doesn't preclude the Applicant(s) from meeting applicable State and Federal rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

2-30 YC      30-2516 & 30-2517  
00124      00125

**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 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 provisions of the code(s) applicable to such permit

SIGNATURE OF APPLICANT: *[Signature]* Dan Hogan      ADDRESS: \_\_\_\_\_      DATE: **15 March 1996**      PHONE: \_\_\_\_\_

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE: \_\_\_\_\_      PHONE: \_\_\_\_\_

White-Permit Desk    Green-Assessor's    Canary-D.P.W.    Pink-Public File    Ivory Card-Inspector

- Zoning Appeal**
- Variance
  - Miscellaneous
  - Conditional Use
  - Interpretation
  - Approved
  - Denied

- Historic Preservation**
- Not in District or Landmark
  - Does Not Require Review
  - Requires Review

Action:  
 Approved  
 Approved with Conditions  
 Denied  
 Date: **3/18/96**  
*[Signature]*

CEO DISTRICT 3

045-E-037



MERCY HOSPITAL

March 14, 1996

Code Enforcement Office  
City of Portland  
389 Congress Street  
Portland, ME 04101

RECEIVED  
MERCY HOSPITAL  
MAR 14 1996

To Whom It May Concern:

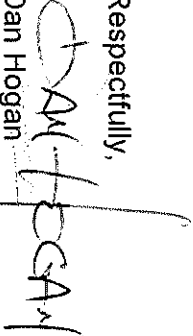
Enclosed are two (2) drawings of the Parking Garage at 175 Brackett Street indicating our plans for renovating the facility for the purpose of first shift employee parking. Twenty , 1st shift employees will be assigned parking. All vehicles will turn within the garage to exit forward. The existing overhead door will operate off of automatic openers with timed/delayed closing. The door will be equipped with safety beams and bottom edge sensors.

Also enclosed for your review are specifications for the proposed exhaust and carbon monoxide detection systems. The detector will automatically activate the second/high speed of the fan prior to the P.P.M. rising to unacceptable limits. Four smaller intake louvers have been specified to maximize intake air flow from all areas of the garage.

A separate permit will be applied for replacement of the windows on the Brackett Street side of the garage pending review by Historical Preservation. A set of proposed plans has been submitted to Gary Hamilton.

I can be reached at 879-3379 to discuss any questions or concerns.

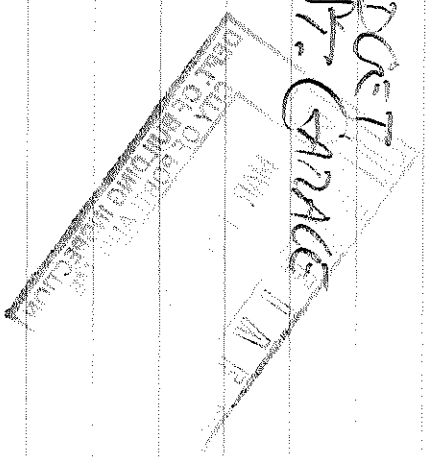
Respectfully,

  
Dan Hogan  
Administrator Support Services

DFH:mcs  
City

045-2-037

Construction Budget  
125 BRACKET ST. GARAGE



EXHAUST SYSTEM \$5581

GENERAL CARPENTRY \$5200

PLUMBING  
MECHANICAL REPAIR  
FOR CURBWORK  
CONDON TROSBY.

WASTE REMOVAL \$600  
EST 2X 30 YARDS

TOTAL \$11361

\$25 1ST - \$1000 = \$2500  
5 CH. ADD. \$1000 \$5500

TOTAL \$8000

**FAX Transmission**

From: Henry T. Dunn, PE      AAA ENERGY SERVICE  
Questions?      Call 207-883-1473      PO Box 908, 4 Commercial Rd.  
Fax 207-883-8371      Scarborough, ME 04070-0908

To: Dan Hogan

Company: Mercy      87933379,87933936

Address:

Date: March 12, 1996

Time: 10:15 AM

Pages: (including this one)

Message:

Dan :

The scope for the garage would include:


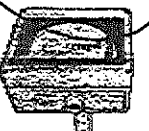


- A 2 speed roof exhaust fan with backdraft damper and security bars- 7650 cfm Low speed (1.5 cfm/sq ft standard per code) and 12000 cfm at high speed.
  - 4 Intake louvers 8.5 sq ft ea. sized for required cfm and avoiding rain intake
  - 1 Telaire Carbon Monoxide Sensor with 5 relay outputs (Mfrs recommends calibration at 5yrs)
  - control wiring to enable high speed on alarm
- The cost including material and labor is \$5561.00.

By Others: Installing Louvers, Security bars for louvers, 2 speed 2hp starter w/ power wiring, Roofing and install for 54" square fan, Interlock of CO alarm to Mercy central panel.

Please Call with any questions.

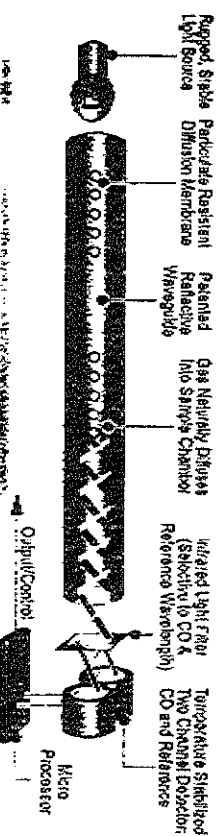
Sincerely,

Henry T. Dunn, P.E.

Choose the Model for Your Application	 2551	 2552	 2570	 2571
Application	Commercial Wall-Mount	Commercial Duct Mount Aspiration Box	Conditioned Space Monitor Add-on to VEMS	Conditioned Space Monitor
Measurement Range*	0-300 ppm (0-10,000)	0-300 ppm (0-10,000)	0-300 ppm (0-10,000)	0-300 ppm (0-10,000)
Operating Temperature	-25° to 45°C -15° to 115°F	-25° to 45°C -15° to 115°F	10° to 35°C 50° to 95° F	10° to 35°C 50° to 95° F
Enclosure	NEMA-3R Water and Dust Proof	Plastic ABS with Probe	Plastic ABS	Plastic ABS
Display	6 Step LED Bar Graph	6 Step LED Bar Graph	6 Step LED Bar Graph	6 Step LED Bar Graph
Relays*	4 (2 Amp) (5 Possible)	4 (2 Amp) (5 Possible)	None	None
Analog Output*	0-10V or 4-20mA	0-10V or 4-20mA	0-5V or (12V Input)	4-20mA or 0-10V
Calibration	Key or Relay Contact Activated	Key or Relay Contact Activated	Key or Relay Contact Activated	Key or Relay Contact Activated

\*Relay setpoints, analog output and measurement range can be factory adjusted for custom applications

## How CO Smart® Works



Light from the light source diffuses through a particulate resistant diffusion filter into the sample chamber. The light is then directed, reflected waveguide operated, light filter and waveguide to the opposite end of the chamber. The length of the filter (like a band pass filter) is selected based on the wavelength of the CO. The more CO present in the sample, the more the light will be absorbed before it reaches the filter. The amount of light that is detected

through the filter by the sample is inversely related to the concentration of the CO. Relative incorporates two detector/light filter components in its unique design. One of the detectors measures the concentration of CO. The second detector looks at small changes in the sensor that may cause drift such as aging of the light source. As inevitable changes occur, the microprocessor in the sensor immediately corrects the readings in the gas channel, providing a sensor with excellent long term stability.

## Specifications Model 2551 General Performance

**Method**  
Diffusion Based, Dual Beam, Non Dispersive Infrared with Temperature Stabilized Detector

### Gas Detected

Carbon Monoxide Only

**Measurement Range**  
0-300 ppm (factory settings available up to 1,000 ppm +)

**Response Time**  
90 Seconds for 90% Full Response  
Sensor Life  
10 Years

**Operating Humidity Range**

0-95% RH (non-condensing)

### Enclosure

Waterproof/Dustproof, NEMA-3R, 10" x 7" x 4.5"

### Warranty

1 Year Parts and Labor

### Output

**Concentration Display**

Six Step LED Bar Graph:

Power On and 0-10 ppm (green)

10-30 ppm (green) 30-50 ppm (yellow)

50-70 ppm (yellow) 70-100 ppm (red)

100+ (red)

### Malfunction/Service Indication

Flashing Yellow LED

**Analog Output Maximum Range**

0-10 V or 4-20 mA (can be factory customized)

### Analog Output Customizing

Factory set to any output within max range

### Relays

Line, 2 A, factory set: 35 ppm, 100 ppm,

200 ppm, service/malfunction

(up to 5 relays can be factory customized).

### Accuracy

**Sensitivity**

± 3 ppm

**Repeatability**

± 10 ppm

**Temperature Conditions (0° to 45° C)**

± 10 ppm or 5% of reading, whichever is greater

**Cold Climate Conditions (-25° C to 45° C)**

± 15 ppm or 5% of reading, whichever is greater

**Pressure Dependence**

0.10% per mm hg.

### Calibration

**Recommended Calibration**

5 Years - Zero Calibration Only

### Method

Calibration Reset: Can be calibrated in near

zero ppm concentration outside air. A

calibration kit with a zero gas is also available.

### Calibration Activation

Key or contact closure duration of 15 sec.

### Power

**Power Input**

20-30 VAC (50 - 60 Hz)

**Power Consumption**

6 Watts @ 0 - 50° C

20 Watts Max @ -25° C to 0° C

**Isolation Transformer**

Not Required - half wave rectified

**Warm Up Time**

20 Minutes

## Telair Systems, Inc.

6489 Calle Real - Galeja, CA 93117

800-472-6075 ♦ FAX 805-864-2129 ♦ www.telair.com

Call or FAX for more detailed information on all Telair products.

MAR 14 '96 09:27

HVAC-S0, PORTLAND

559 P01

# DRAINABLE LOUVER

OMEGA  
Louver

**DEL-47**

4" Deep 37 1/2° Drainable Blade  
Extruded Aluminum

## STANDARD CONSTRUCTION

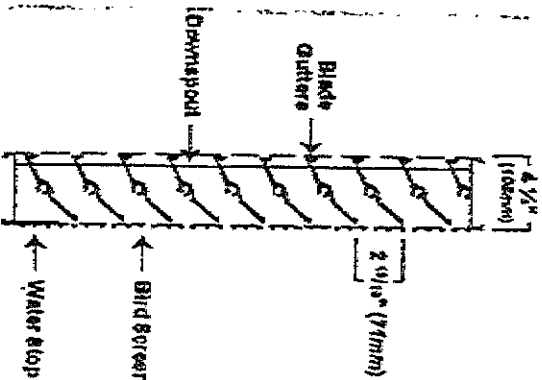
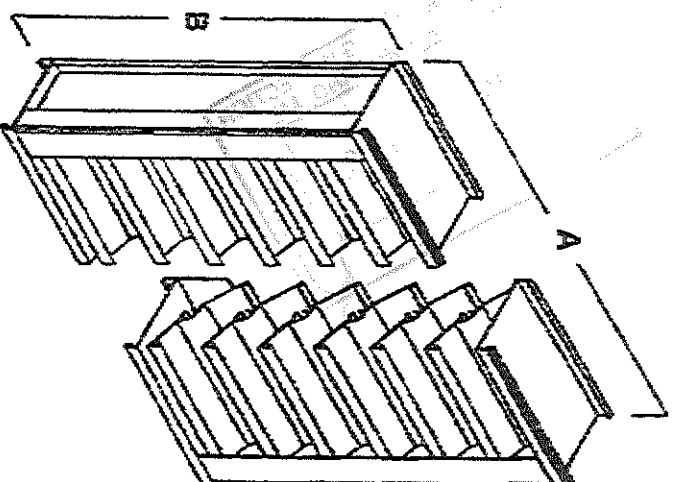
**FRAME**  
4 1/4" (108mm) deep, 6003-T6 extruded aluminum, .031" (.81mm) thickness.

**BLADE**  
6003-T6 extruded aluminum with .081" (.21mm) thickness. Drainable blades are positioned at a 37 1/2° angle and spaced at 2 1/16" (.77mm). Units incorporate hidden mullions at 46" (1169mm) centers for support.

**SCREEN**  
3/16" x .061" (.76mm x 1.5mm) expanded aluminum blind screen in removable frame mounted on interior. Adds approximately 1/2" (.50mm) to depth.

**FINISH**  
Aluminum mill finish for low maintenance and resistance to corrosion.

**SIZING**  
Order sizes in actual opening dimensions. Unit is undercut 1/4" (.6mm). In both width and height for installation allowance.  
Minimum size is 12" (305mm) wide x 12" (305mm) high. Maximum panel size is 120" (3048mm) x 60" (1524mm) or as determined by finish and shipping requirements.



## FRAME STYLES AND MODELS

Channel frame with caulking groove for flush or recessed installations.

Flange style frame for face mounting.



**DEL-47-C**

**DEL-47-F**

Model	1A	1B	Options / Accessories / Variations
	(Width)	(Height)	
PROJECT _____ LOCATION _____ ARCHITECT _____ CONTRACTOR _____ REPRESENTATIVE _____ DATE _____ PC00147 - Nov 1985 _____ STATIONARY □			

## SHIPMAN INDUSTRIES

P.O. Box 808 • 8212 U.S. 25 • Florence, KY 41042 • Phone (606) 283-6900 • Fax (606) 283-8799

COMMENTS

3/21/90 DeForte, Const. on site demo'd interior walls and have started loading debris into dumpster.

4/12/90 Only 3 ME intake (MTHM)

4/16/90 - Talked with Mr. Hoggan about Exhaust Fan being repaired.

It was moved because it was within 25' of a neighbors bedroom window - will get back to us on (spintakes - knows about site plan if they place door in rear of building)

5/1/90 making Hospital has begun using the garage, but have not yet installed the pultruded CO<sub>2</sub> detector (not in table)

The fire department has requested to test anyway then so a timer on the exhaust fan which is set to come on @ 5:00/5:30 am to shut off @ 7:00-8:00 am each day.

They have a separate permit to change windows in front of Building - see permit # 900341; Contractor: ICE (Moorewood) 5/3/90.

4/19/90 windows not installed as submitted, but actually more architectural as installed. Need to contact Henry on CO<sub>2</sub> detector installation.

Foundation:	_____
Framing:	_____
Plumbing:	_____
Final:	_____
Other:	_____

Inspection Record  
 Type \_\_\_\_\_  
 Date \_\_\_\_\_