



# **Nailor**<sup>®</sup>

## **CASE STUDY**

### **Allegheny General Hospital, AHN Cancer Institute**

Nailor Products:

- **Linear Slot Diffusers**
- **Thermal Air Handling Units**
- **Laminar Flow Diffusers**
- **Grilles and Registers**

Location: **Pittsburgh, PA**

Year: **2020**

Buildings/Size/Area:  
**3 stories/68,000 sq. ft.**

Category: **Healthcare, Hospital**

Architect: **IKM Architecture Inc.**

Owner: **AHN/AGH/Highmark**

Civil Engineer: **The Gateway Engineers, Inc.**

Contractor: **Massaro Construction**

MEP Engineer: **FMRW Engineering**

Nailor Representative: **Stephany Associates**

The AHN Cancer Institute has embarked on a strategy to construct a network of new cancer centers throughout the region to bring cancer care to the communities it serves. At Allegheny General Hospital, the AHN Cancer Institute sought to create a new home for its academic cancer program. A home that would represent a world-class clinical program in a caring setting at its historic location. It speaks of AHN's dedication to its community that they chose to locate this structure in its historic location on the AGH campus, despite the difficulties and complexities of construction on a dense urban site.

While AHN has committed itself to fostering community throughout its network of community hospitals, it is especially dedicated to its historic home at Allegheny General Hospital on the north side. Through engagement with local community groups and neighborhood leadership, AGH created a new image for itself on North Avenue: one that made a clear statement that this is an institution of clinical excellence as well as compassionate care.



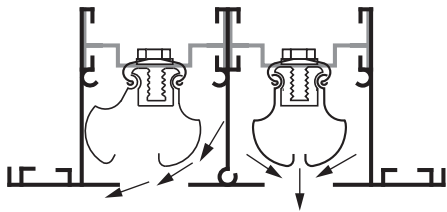
## LINEAR SLOT DIFFUSERS

Model Series: 5000



The Nailor Series 5000 Linear Slot Diffusers elegantly accent the perimeter of the windows in the Cancer Institute lunge and other key areas where the airflow can be adjusted to provide the ideal level of comfort in the area.

The 2 slot design allows the airflow to be distributed in different directions which conditions the room in a more efficient way, driving both comfort and economy up.



Horizontal and Vertical air patterns







## AIR HANDLING UNIT Model: F Series



**THERMAL**  
CORPORATION  
A division of Nailor International Inc.

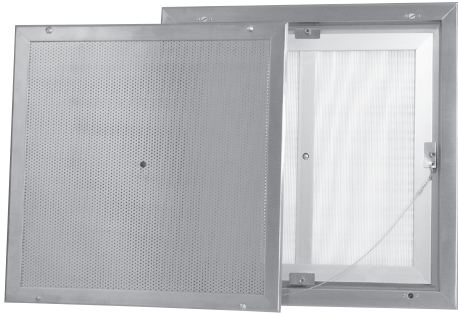


Thermal Corporation, a subsidiary of Nailor Industries, supplied the Air Handling Units for Allegheny General Hospital and the new Allegheny Health Network Cancer Institute expansion in 2020. These units supply the air for both of the hospital facilities. Thermal Corporation's F series, fully customizable, not only ensure the necessary air quality for maintaining desired cooling, heating, filtration, and humidity levels in a space but also can be designed in modular units that can fit through tight spaces within the building. This feature allows for easy installation in the mechanical rooms at the core of the hospital.



## LAMINAR FLOW DIFFUSERS (with filter)

Model Series: **92LFDFS**



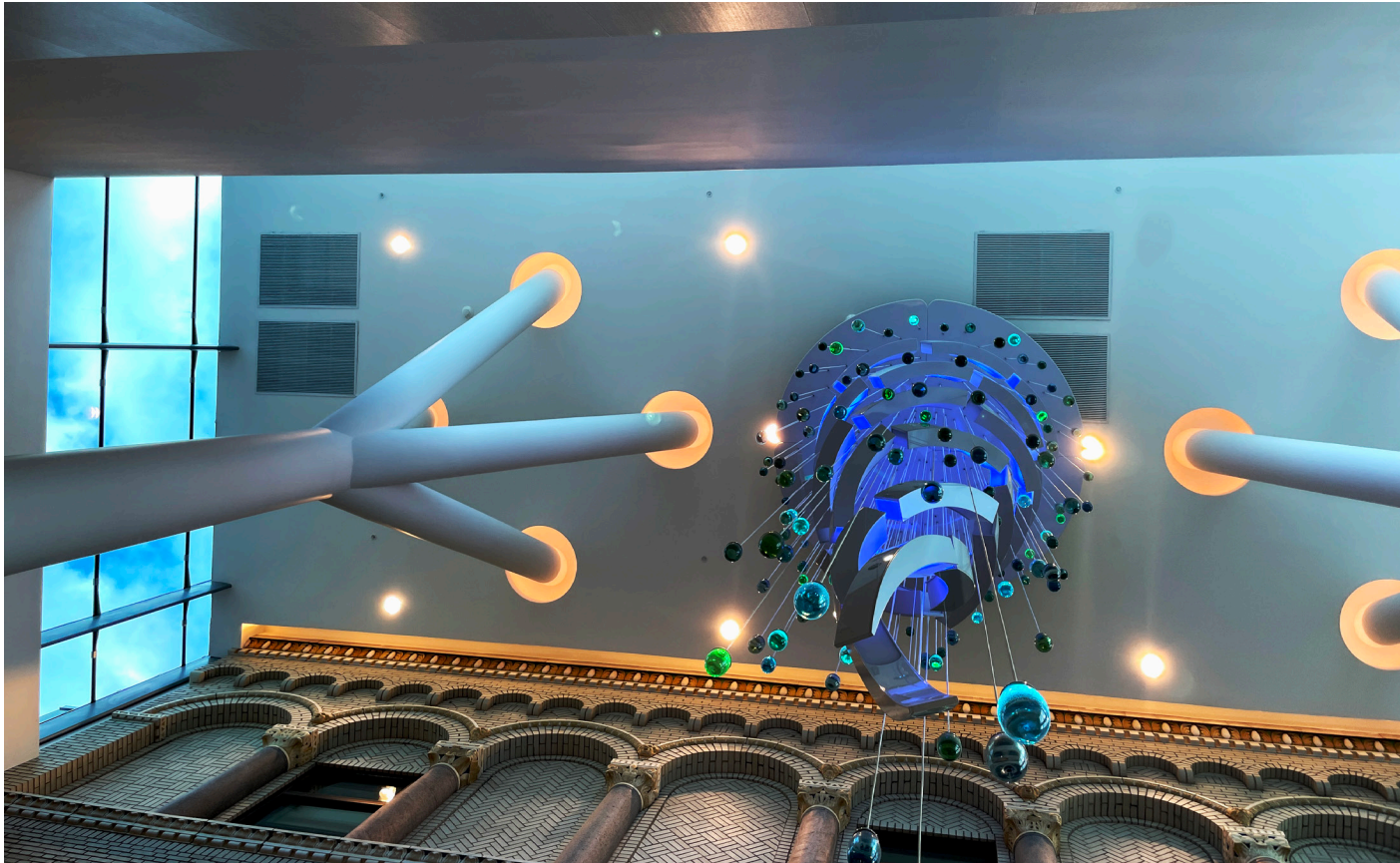
The operating rooms of hospitals are critical environments necessitating a constant flow of highly filtered air to prevent contamination of the area.

Allegheny General Hospital operating rooms carry the model 92LFDFS laminar flow diffusers with HEPA filters to provide the required conditions for a proper clean environment in which to carry surgeries.

The ceiling perimeter which surrounds the operating table is outfitted with diffusers, lighting, and other mounted medical equipment. This serves as a tool for the doctors as it not only provides the ideal conditions for surgery but also assist in the operation itself.

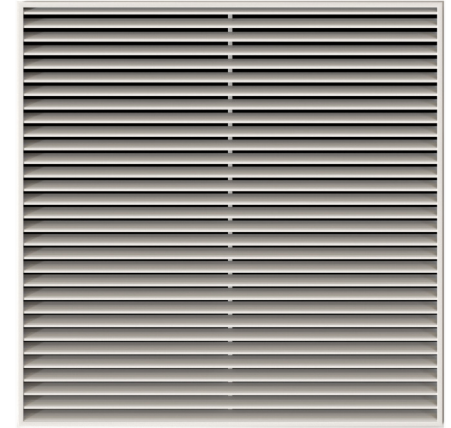






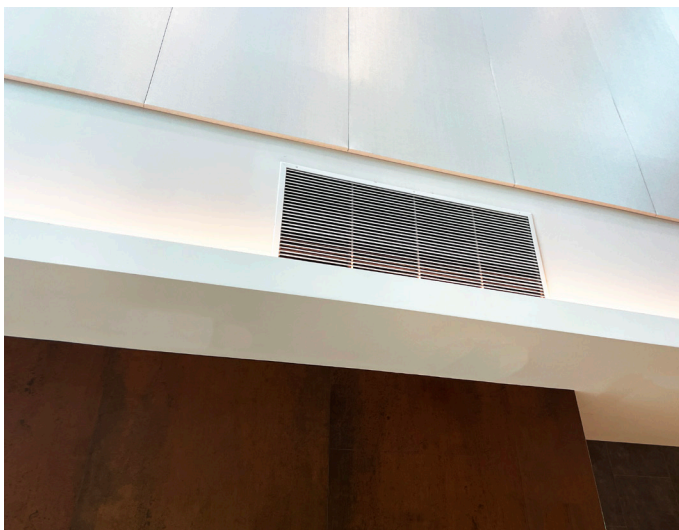
## GRILLES AND REGISTERS

Model: 5100



The AHN Canter Institute wing of the hospital is home to some incredible architectural design which seeks to provide patients and residents alike comfort and an ease of mind.

Nailors multiple grilles and registers are present in these rooms to maintain a desirable air circulation. These products are also made in to maintain the visual appeal of the room they occupy so as to not distract from the architecture they share the spotlight with.







## United States

**Nailor Industries, Inc.**

**International Headquarters**

4714 Winfield Road  
Houston, TX 77039

Tel: (281) 590-1172

## Regional Manufacturing/Sales

3730 Civic Center Drive  
North Las Vegas, NV 89030

Tel: (702) 648-5400

## Canada

**Nailor Industries, Inc.**

**Canadian Headquarters**

98 Toryork Drive  
Toronto, ON M9L 1X6

Tel: (416) 744-3300

## Regional Manufacturing/Sales

Unit F, 4427-72nd Avenue S.E.  
Calgary, AB T2C 2G5

Tel: (403) 279-8619

**nailor.com**

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