Grille
Arizona State University
Sandra Day O’Connor College of Law
Tempe, Arizona, USA

Linear Closed
Nordstrom, The Mall of San Juan
San Juan, Puerto Rico
Grille
Canon Canada Inc. Headquarters
Brampton, Ontario, Canada

Perforated Flat Panel
The New School
New York, New York, USA
ENCORE™ ACOUSTIC PANELS

- Wall and ceiling applications
- Blend acoustics with aesthetics
- Groove and spacing options
- Accommodates linear planks, flat, curved, and large-format panels
- Simple installation process
Encore™ acoustic panels combine superior acoustic performance with the natural aesthetic quality of wood. The system showcases our signature acoustic treatment across a variety of products, including planks, large-format, curved and custom panels for both walls and ceilings.

Wall panels easily attach with our Concerto™ Wall System or Z-clips, and various ceiling suspension methods are available. For enhanced sound absorption, encapsulated insulation, groove profiles and spacing options are available.
**Encore Series 1 (EN1)**
Series 1 acoustical wood planks provide a tongue and groove edge and a monolithic appearance. Depending on the desired acoustical performance, the backside of the plank is available with standard holes, over-sized holes, counter-bored holes or no holes.

**Encore Series 3 (EN3)**
Series 3 acoustical wood panels are a popular choice for composite panels. The grooves can be either continuous to the end of the panel, stopped to create an integral border, or the panel can be constructed with a mitered perimeter frame. EN3 is also available in a radiused, factory-curved panel with a minimum radius of 8.

**Encore Series 5 (EN5)**
EN5 is the curved version of EN6. These acoustical wood panels combine curved panel design and sound absorption. EN5 panels can be factory curved to match design criteria of convex, concave or serpentine shaped panels in custom sizes and radii.

**Encore Series 6 (EN6)**
Series 6 acoustical wood panels incorporate multiple ceiling and wall applications. EN6 is the panelized version of EN1 planks. EN6 panels are typically ⅜” thick and edge banded.
FLAT PANEL SUSPENSIONS

- Various suspension methods
- Wall and ceiling applications
- Degrees of acoustic treatment
- Custom and standard sizes
- Various perforation patterns
ACGI Flat Panels are designed for wall and ceiling applications and are available in custom and standard sizes. Acoustical options range from grooves and slots to perforations and MicroPerf patterns.

Acoustical fabric is typically added to the back of perforated panels. Special surface images (such as patterns and logos) can also be incorporated into the manufacturing.
**Suspension Series 1 (SS1)**
Series 1 is typically used in wall applications and attached with Z-Clips (see drawing in middle column). In ceiling applications SS1 panels lay into a standard T-Grid and are easily removed for access.

**Suspension Series 2 (SS2)**
Series 2 has a reveal edge condition that lays into a standard T-Grid. The grid can be covered with optional matching wood trim. The panels are easily removed for access.

**Suspension Series 3 (SS3)**
Series 3 is designed to slide into the grid and provide a 3/8" reveal between each panel. The panels are easily removed for access.

**Suspension Series 4 (SS4)**
Series 4 suspends from backers that slide over the grid and provide a 3/8" reveal between each panel. The panels are easily removed for access.

**Suspension Series 5 (SS5)**
Series 5 is designed for large format panels that suspend from a cold rolled steel channel or HDT-Grid. Panels can be easily installed and removed or locked into place. Optional hardware available for hanging panels at an angle.

**Suspension Series 6 (SS6)**
Series 6 is designed for large format panels that suspend from Unistrut for incline applications. Special mounting brackets accommodate different angle configurations.

**Suspension Series 7 (SS7)**
Series 7 uses a torsion spring suspension system mounted to the back of the panel along with a custom T-Grid system. This system enables the panel to be fully or partially removed to facilitate access to the space above the ceiling.
CONCERTO™ WALL SYSTEM

- Panels slide securely into place
- Options for extrusions, moldings, finishes, doors, and movable partitions
- Create a unique appearance
- Incorporate access panels
- Perfect with ACGI Flat Panels and Encore™ Acoustic Panels

Concerto™ Wall System
Grinnell College
Grinnell, Iowa, USA
The **Concerto™ Wall System** features various interchangeable aluminum extrusions with an assortment of reveal conditions. Ideal for creating a unique, consistent style, the system supports ACGI’s perforated and non-perforated panels, including MicroPerf and Encore™ Acoustic Panels. The simplicity and flexibility makes standard, flat, curved and custom panels possible.

**Customize**

Custom extrusions and fixtures can be included in the scope of work. Contact us for details.
**Concerto Wall 100 (CW1)**
Series 100 includes a variety of extrusions that provide a recessed reveal. A variety of trim options are also available.

**Concerto Wall 200 (CW2)**
Series 200 extrusions extend to the face of the wall panel resulting in a framed panel system.

**Concerto Wall 300 (CW3)**
Series 300 extrusions also cover the edges of the panel but create a much shallower reveal for added emphasis to the extrusion.

**Concerto Wall 400 (CW4)**
Series 400 are used on thinner architectural panels, but may be used with a variety of panel types. The extrusions are used in conjunction with a Z-Clip mounting system that allows for easy removal of panels for access.

**Concerto Wall 500 (CW5)**
Series 500 adds captured panel perimeter extensions.

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**Extrusion Style Examples & Installation**

extrusion

extrusion
ALLEGRO™

Allegro™ Curved Panels and Concerto™ Wall Panels
Farmington Hills City Hall
Farmington Hills, Michigan, USA
ALLEGRO™ CURVED PANELS

- Wall and ceiling applications
- Concave, convex and serpentine
- Complements other systems
- Perfect for multi-panel ceiling cloud applications
- Perimeter trim and acoustic insulation options
Allegro™ Curved Panels are custom built to order and reinforced for long term rigidity and confident installation. Their design redirects sound waves and enhances the acoustics of large open spaces (i.e. auditoriums, theaters, performance halls and lecture rooms). Panels are designed to reflect, rather than absorb sound, the faces are non-perforated. Applying sound absorbing material to the panel backs will absorb non-directed sound within the plenum. With a six-inch minimum radius, these large-format panels can be concave, convex and serpentine shaped.
**Allegro® Series 1 (AL1)**
Series 1 is a ¼" thick curved panel that is simple and economical.

**Allegro® Series 2 (AL2)**
Series 2 is similar to Series 1 adding an integral 3" vertical perimeter trim.

**Allegro® Series 3 (AL3)**
Series 3 is a custom composite panel with a thickness greater than ¼". The panel can be filled with acoustical material or designed with a variety of substrates to meet specific requirements.

*Wall Application*

*Attached with Z-clips*

*Ceiling Cloud*
LINEAR

- Wall and ceiling applications
- Planks and panels
- Closed and open reveals
- Reveal profile options
- Optional fiber-felt reveal strips
- Squared or rounded backers
ACGI Linear is designed to provide a continuous plank appearance and features either individual planks or panelized segments. Both include custom and standard reveal profiles for both open and closed reveals while delivering a streamlined installation process.

Open reveal planks allow sound waves to pass between members into the plenum. The NRC performance is controlled by layers of acoustic insulation. Closed reveal systems diffuse sound waves.
**Linear Open Series 1 (LO1)**

LO1 is an individual plank system installed progressively on ceilings or walls with our LSC-102 clip. Planks are butted end to end using LSC-103 alignment clips. This provides a more continuous appearance along the length of the ceiling. The reveals in this system are open to the plenum above. The system’s clips are black for concealment against black T-Grid. Although installed progressively, this series is completely accessible by removing two adjacent planks.

**Linear Open Series 2 (LO2)**

LO2 is similar to LO1 series except that it includes factory installed black felt in the reveal. This system offers visual concealment of the plenum while still providing acoustical performance.

**Linear Open Series 3 (LO3)**

LO3 offers a faster and more economical installation. Typical panels are 12” wide with ¼” typical reveal between planks. The panels are typically installed with ¼” reveals between the ends of the panels to match the reveals between the planks. Panels are factory assembled using flat black wood backers, and are installed by screwing through the backers, between the planks, into the T-Grid; or can be suspended with a BC-101 suspension clip. Although this system is accessible, optional suspension methods are available for panels that require frequent access.

**Linear Open Series 4 (LO4)**

LO4 is panelized similar to the LO3, but the backers in this system have a rounded edge that protrudes into the plank reveal. This provides a look similar to a wood dowel, and suspends with a DC-101 dowel clip.

**Linear Open Series 5 (LO5)**

The LO5 is another panelized Linear Open Series similar to the LO3. However, LO5 panels “lay into” HD T-grid and do not usually require screws or clips. Panels are available as nominal 2’ wide by 2’ or 4’ length. Panels are factory assembled using flat black wood backers. The reveal size at the panel edge matches the size of the grid, either 9/16” or 15/16”. Like most of our other systems, the LO5 panels are accessible.

**Linear Closed Series 1 (LC1)**

LC1 has a tongue and groove edge for a continuous plank ceiling. Planks are installed using concealed LSC-101 clips. There are a variety of details available for the joint reveal including custom. LC1 planks are typically manufactured from solid wood; but veneered material may be used as well (core of veneered material may be visible depending on reveal profile). LC1 planks are typically ¾” thick. Other thicknesses are available. Plank width and length can vary depending on wood species.
GRILLES

- Wall and ceiling applications
- Panelized for easy installation
- Squared or rounded backers
- Optional notched backers
- Solid wood and flexible dowels
- Sophisticated Micro-Grilles

Grille
The Frontier Project*
Rancho Cucamonga, California, USA
ACGI Grilles offer the warmth of natural wood with excellent acoustical performance. The open design allows sound to pass unobstructed into the plenum or to be absorbed by insulation. Panels feature either wood backers or dowels that are painted flat black (other finishes available).

Grilles are characterized by blades that are less than 3½” deep and assembled with four to ten members per foot. For ceiling applications panels easily screw to standard grid or attach with quick-release dowel clips. To meet seismic requirements, dowel clips are designed with holes for field-installed wire.
Grille Dowel Series 1 (GD1 & GDB1)
The Series 1 Grille is panelized and assembled with wood dowels at 12" O.C. Dowels are typically painted flat black, but are available in other colors. Series 1 Grilles are installed to ceiling grid using DC-101 suspension clips. The clips are easily removed for plenum access. The clips are designed with holes to allow field installed wire to meet seismic requirements. Grilles can be used for wall applications as well, depending on the blade size, using our DC-102 wall clip. Backers can be added for additional support.

Grille Wood Backer Series 1 (GB1)
Our GB1 Grille is panelized using a solid wood backer at 12" O.C. The backers are typically painted flat black, but are available in other colors. When the blade height is greater than 2", or for wall applications, the backer can be notched to provide extra strength and stability. GB1 panels are installed with BC-101 suspensions clips or by screwing through the backers to the grid or wall furring strips. For occasional ceiling access, the attachment screws can be removed, or optional suspension can be provided if regular access is required.

Grille Rounded Wood Backer Series 2 (GB2)
GB2 uses a wood backer that has a radius surfaced shaped to resemble a wood dowel. Viewed from below it looks like a dowel but has the added strength of a notched wood backer strip. It also uses the quick release DC-101 dowel clip, and other features are similar to the wood back system.

Grille Wood Backer Series 3 (GB3)
GB3 panels are similar to GB1, however GB3 panels lay into HD T-grid and do not usually require screws or clips. The GB3 Grille is panelized using a solid wood backer at 12" O.C. The backers are typically painted flat black, but are available in other colors. The blade depth is typically 1-1/2", and panels are nominal 2' wide by 2' or 4' length. The reveal size at the panel edge matches the size of the 1/8" grid. Like most of our other systems, the GB3 panels are accessible.

Micro-Grille Series 1 (MG1)
Micro-Grille is a product that works well for ceilings, walls and areas where air flow is required. They offer a blade thickness of 3/16" and a depth of 1" and the blades are placed on a notched wood backer.

Micro-Grille Series 2 (MG2)
Similar to Micro-Grille Series 1, Micro-Grille Series 2 can also be constructed as an encapsulated panel adding acoustic value and making installation even simpler.
BAFFLES

- Wall and ceiling applications
- Squared and rounded profiles
- Notched backers
- Curvilinear blades and backers
- Substrates: particle board, MDF, fire-rated foam, laminate and solid wood
Baffles are a larger format than Grilles, and offer additional versatility. Baffles offer versatility and durability. Depending on size and design requirements, they can be produced from solid wood or veneer using MDF, particle board or fire-rated foam substrates.

Panel options include size, thickness, spacing, members per foot and custom profiles. For a curvilinear style, we can produce radiused backers or radiused baffles.
**Wood Baffle-Profile (WB1, WB2)**
There are two standard profiles (Series 1 & 2) as well as custom profiles to choose from. Series 1 has flat sides. Series 2 is similar to Series 1 except that the baffles have a radiused bottom face. Each profile has several size options and the number of baffles can vary depending on design criteria.

**Wood Baffle-Radius (WB3, WB4)**
Wood baffles are available with either the backer strip or the baffle itself radiused as indicated by the design details in this section. Individual baffles can also have various radius profiles to create a flowing compound appearance. Please contact ACGL or your ACGL Sales representative to discuss special project needs for this type of application.

**Tremolo™ Baffle (TB)**
Tremolo™ has a tapered wood baffle and each member can be suspended individually with or without an integral light fixture.
BEAMS

- Wall and ceiling applications
- Fully integrated system
- Simplistic installation
- Squared, rounded, half-rounded and curvilinear shapes
- Create unique, custom styles
ACGI Beams make a statement. They not only give visual grandeur but also provide efficient production and installation methods. The design of this highly customizable system fully integrates rectangular or round profiles with horizontal and vertical radii options allowing an array of configurations for both walls and ceilings.

Beams can be finished on all sides and manufactured with various matching, decorative moldings, including custom and elaborate designs.
Beam Series 1 (BM1)
Series 1 beams can be square, rectangular, or rounded. They include half beams for wall applications. Simple moldings can be attached almost anywhere to the beam. This series is simple to install and field modify. Custom sizes, veneer selection, and finishes are available.

Beam Series 2 (BM2)
Series 2 is designed to be used with elaborate decorative moldings. Unless the architect or designer has a specific design in mind, it is recommended that they confer with ACGI directly to work on the exact design needed. ACGI can provide a variety of assistive tools to identify different molding types that can effectively be used together.

Beam Series 3 (BM3)
The internal design of Series 3 beams allows for very exact dimensions and smooth surfaces. Different radii are available upon request.

Beam Series 4 (BM4)
Series 4 are vertical radius beams. Different radii are available as well as radius four sided beams for internal beam structures.
CUBES

- Rectangular and round shapes
- Continuous and modular styles
- Custom wood grid options
- Custom and standard panels
ACGI Cubes feature rectangular and round panels with either a continuous or modular appearance. Continuous Cubes include a custom constructed wood grid with “lap” joints; whereas, Modular Cubes lay into standard ceiling grid. The systems permit variations in cell size, thickness and depth.

Depending on project requirements, panels can be factory or field-cut to size. Both standard and custom panels (including large, multi-piece structures) are available.
**Cube—Continuous**
Continuous cube systems utilize panels in either 2' x 2', 2' x 4' or 4' x 4' configurations that lay into one of three grid systems. They produce a continuous cube appearance over the entire ceiling area.

**Cube—Continuous Series 1 (CC1)**
Uses a wood grid where panels connect via a "lap" joint.

**Cube—Continuous Series 2 (CC2)**
Uses a 3/8" wood grid and the panels lay into the grid via a metal bracket. Perimeter conditions may use reveals placed between the panels and the structure. However, if cubes are used in an island or floating type configurations, special vertical wood trim can be used around the perimeter in either a radius or straight profile. The trim is available in matching or complementary wood species and finishes.

**Cube—Modular**
Modular cube systems are made to lay into a HD T-Grid. Depending on the series selected they can be placed into the grid or recessed to hang below the grid. Instead of a continuous cube appearance, modular systems provide a distinctive reveal between each panel. ACGI provides three different systems for the specifier to choose from.

**Cube—Modular Series 1 (CM1)**
Lay-in panel with perimeter sides.

**Cube—Modular Series 2 (CM2)**
Panel is recessed below the 15/16" grid.

**Cube—Oval or Round**
These panels come as smaller single piece units or larger multi-piece structures that are joined with dowels. Once joined the panels appear to be one solid unit.

**Cube—Oval (CO1)**
Oval panel with perimeter sides.

**Cube—Round (CR2)**
Round panel with perimeter sides.
LOUVERS

- Wall and ceiling applications
- Custom and standard profiles
- Open or encapsulated panels with optional acoustic insulation
- Spacing and angle options
ACGI Louvers feature custom and standard blade profiles available in either open or encapsulated designs. The open design easily accommodates HVAC applications. Panels are available in custom sizes. Wall mounts can be fixed or utilize Z-clips, and ceiling panels suspend from ACGI’s system-specific suspension.
**Louver Series 1 (LV1)**
LV1 is a standard louver that can be attached to walls utilizing a fixed mount or as a ceiling application using an FP2 lay-in suspension system.

**Louver Series 2 (LV2)**
LV2 is encapsulated with acoustical insulation. It can be wall mounted using Z-Clips or ceiling mounted using an FP2 lay-in suspension system.
COFFERS

- Lay-in ceiling grid suspension
- Floating ceiling applications
- Simple to install and remove
- Custom and standard profiles

ACGI Coffers give ceilings a classy touch. We offer standard and custom profiles with an intuitive lay-in suspension. Panels either lay flush with the ceiling grid or hang recessed below the grid. Both methods easily accommodate post-installation access. Factory cut-outs are also available.

We offer a variety of designs to meet specific project requirements, including matching or complementary trim for “floating ceiling” applications.
DIFFUSER ACOUSTIC PANELS

- Wall and ceiling applications
- Diminish flutter and echo
- Custom and standard designs

- Substrates: solid wood, veneer and thermally-fused laminate

Diffuser acoustic panels provide custom acoustic solutions for walls and ceilings. Although often used sparingly, they effectively diminish an environment’s flutter and echo.

ACGI offers several standard designs and our experienced team of engineers can create a custom design to meet your project’s acoustic requirements. Contact us for details.
MICROPERF ACOUSTIC PANELS

- Wall and ceiling applications
- Various suspension methods
- Perforations that disappear
- Custom and standard sizes
- Various perforation patterns
- Degrees of acoustic treatment

ACGI MicroPerf panels blend the aesthetic qualities of wood with excellent acoustical performance. Sound is absorbed through a micro-perforated wood that has the appearance of a non-perforated panel from a normal viewing distance.

MicroPerf is an excellent solution for both wall and ceiling applications, and can be applied to both flat and curved panels. Acoustic fabric is factory-attached to the back of the panel, and acoustic insulation is typically used for additional NRC performance.
**Exterior Wood Products**

- Durable
- Dimensionally Stable
- Sustainably Sourced

- Low Maintenance Costs
- Non-Toxic material
- Recyclable
The functionality, versatility, and aesthetics of wood-based composite panels which are available in almost any commercially available wood species make them universally appealing. When properties such as strength, weight, insulation, and resistance to moisture are required, ACGI exterior products are ideal—especially when the design intent calls for the exterior and interior design to flow seamlessly.
SPECIES SELECTION

ACGI will source any commercially available solid wood or veneer.

FSC Certified
Although many species are available with FSC certification, additional lead time is required to accumulate solid wood in upper grades and is subject to prior sale to other industries. Veneer species are more readily available in FSC certified flitches.

LEED® Credits
With our complete in-house manufacturing capabilities, ACGI offers LEED® compliant materials, designs and processes to accommodate your project’s credit requirements. ACGI will also supply appropriate LEED® qualification documentation and certification after the product is delivered and installed.

COLOR CHOICE

In addition to our standard stain collection, ACGI can create or match any color to meet your project’s requirements. Our experienced finishing department is skilled at custom tinting and matching. Contact us for more details.

Lighting Factors
Keep the final viewing area in mind. The environment’s light source will impact how our color matches existing finishes. When submitting a specific color match, please indicate the installation site’s lighting source (e.g. natural daylight, cool white fluorescent, warm white fluorescent, incandescent, ultraviolet). Our finishing department develops each custom color according to the original light source prior to sending a sample for approval.
OUR PRODUCTS

ACGI manufactures various wall and ceiling systems with many projects requiring custom designs. Our collection of interchangeable systems lets you achieve the perfect aesthetic and acoustic results.

PRODUCT LINES
- Allegro™ Curved Panels
- Baffles
- Beams
- Coffers
- Concerto™ Wall System
- Cubes
- Diffuser Acoustic Panels
- Encore™ Acoustic Panels
- Flat Panels
- Grilles
- Linear
- Louvers
- MicroPerf
- Exterior

CUSTOMIZE

Our experienced team of engineers can modify products to meet your project’s design requirements and bring what you envision to life.

OUR MISSION

We commit to providing the highest quality product possible through our highly skilled and dedicated personnel. Our intent is to provide innovation, quality and customer service unsurpassed in our industry.

We strive to conduct ourselves in a positive manner that sets us apart from our competition. We recognize the guidance and direction of God in our business and will always be thankful for the opportunities He provides to us.

OUR HISTORY

Founded in January 2001 by its president, Gary Thompson, ACGI is a leader in the walls and ceilings industry. We strategically position ourselves through innovative products, ethical business practices and an accessible management team.

ACGI has an extensive network of independent representatives throughout the United States and abroad. We proudly manufacture all of our wood walls and ceilings in Marshfield, Missouri, USA.

acgiwood.com