

Artists Inquiries in response to Library Public Art RFP
2/12/2015 – Author: Jenny Diersen

Two questions:

Who are Kevin and Dave?

Kevin Blalock is the architect on the project – the Firm is Blalock & Partners

Dave Gustafson is the Project Manager for the Library and works for the City.

Back to naming, Is it official that 'The Park City Library' will replace the current 'Library Center/ Carl Winters Building' ?
You are correct – The Park City Library will be the name of the building and the name on the signs.

I am putting an application together for the library artwork. It is an exciting opportunity. I see that the wall paint color has yet to be chosen. Will the artist chosen to create the artwork have a say in the color choice?

The wall color is white. If your proposal requires a different color of paint on the wall, that should be outlined in your proposal and included in your budget.

If you have further questions, please let me know no later than Friday, February 20th at 3 p.m.

The following guidelines are from the RFP and are a bit confusing. Is the artwork on the wall confined to an area between 16" and 6'8" above the floor?

To be ADA compliant, protrusions from the wall are not permitted to extend more than 4" from the wall, from above 16" above the floor, to 6'8" above the floor. Certain parameters may exist where this rule can be modified.

This is a complex answer. I am posting the notes and comments from the pre-submission meeting and they should be on the City's website by the end of the day tomorrow (2/13/15). After reviewing them, please let me know if you have additional questions by the deadline for inquiry.

Is the digital display definitely going to be there in one of the two proposed locations or can it be omitted altogether to make room for more art?

It will need to exist in one of the 2 locations – either on the wall to the right of the Library Entrance or at the first entry wall after the vestibule.

It will be to the right of the entrance to the library when looking at the wall? Can the wall space next to the digital display be utilized?

The artwork will be limited to the wall as shown in the image with handwritten measurements (attached). An artist will not be permitted to use the wall to the right of the Library Entrance, or within the Entry Vestibule – even though that is included in the architectural renderings.

The digital display within the current space given can be moved if the artist chooses not to use it, and in this case, the screen would be moved to the space right of the physical Library (space) Entrance.

I would like for a sculpture to be Free Standing or Self-supporting from floor to ceiling. They could be next to a wall with a small amount of space to give them some shadow cast and depth. I'm curious if a sculpture can be free standing in the entry hall or if they have to be wall mounted and if so what is the maximum depth we can make these works? The RFP makes this Confusing. I understand and realize the ADA requirements but is there a way to give the works more depth than 4" inches? How far do the columns protrude from the wall? Could a piece be mounted to the exterior wall next to the entry?

The RFP states that you need illustrations up to 80% complete. How can a sculptor provide 80% complete illustrations? Can I provide previous work and work samples that show my type of work? It won't be identical but it will be detailed and include mounting.

There are many different ways to create proposals. Can I use my format?

Please refer to the additional notes I have posted online during the past 2 weeks regarding depth and ADA requirements. In addition, I will have a posting regarding the in-depth conversation on 'space' and protrusions by end of day tomorrow (2/13/15). After you review those documents, please advise if you have any additional questions by the Feb. 20th deadline.

You may use the images or illustrations you wish. There is a limit of 15 images. You can choose if those are diagrams, illustrations, photos etc... You may also choose if they are of past projects or work samples. No more than 15 images will be permitted.

Your proposal needs to be clearly labeled with the selection and proposal requirements as labeled in the RFP.

Good Morning. Will you ask Blalock and Partners if they can release a 3D model (Sketchup) of the lobby space that the artists can use in preparing our art proposals?

The Architect did state that he can provide this in the Pre-Submittal meeting. I have typed up the notes from the meeting and asked him to provide a Sketch Up. Once I receive it, I will send it to you. Other artist will need to request the item by the February 20th deadline so I may send it electronically, as I believe it will be too large to post on our website.

Can you please send me sample Information of the Zinc that is being used on the exterior of the Building?

It is attached in this document. (Jarden Metal ZCM Panel Data PDF)

I am still having a hard time submitting to the park city arts counsel, Can you help walk me through it?

The submission must be done so both electronically and by mail or by drop off. Deadline to receive both by is Wednesday, February 25 at 3 p.m.

To submit electronically, you may do this in anyway via email – so if your PDF is under 8 MG you should just be able to send it to me. If it is larger than 8 MG, I would suggest sending it via drop box.

When you send it in the mail, it should include a sealed envelope with your budget in it, and be mailed to:

Park City Municipal Corporation

Attn: Jenny Diersen, Public Art Advisory Board

Library Interior Entry Hall Proposal

PO Box 1480

Park City, Utah 84060

You are submitting to the Park City Public Art Advisory Board, not the Park City Arts Council.

This is outlined in the RFP as well.

I wanted to get some clarification about the submittal.....

Is an emailed file sufficient or do you require an actual paper copy as well?

As the RFP States:

Please submit one (1) set of the Proposal and Statement of Qualifications. Attach budget to set one (1) in a sealed envelope. To be considered, one (1) copy of the proposal must be received at the Park City Special Events Office, 445 Marsac Avenue, 3rd Floor, P.O. Box 1480, Park City, UT 84060 no later than Wednesday, February 25, 2015 at 3 p.m.

One (1) electronic copy must be submitted. In this instance, all electronic proposals should be saved as a single PDF and may not include any additional attachments. Electronic submission cannot exceed eight (8) megabytes. If files are larger than the maximum size allowed, they may be submitted through a private Dropbox™ account directly to jenny.diersen@parkcity.org and cannot be submitted to any other parties. It is the sole responsibility of the applicant to ensure the success of the electronic submission is completed prior to the deadline as stated above. Electronic proposals with additional support documents or materials will not be accepted. The electronic submissions must be received at jenny.diersen@parkcity.org no later than Wednesday, February 25, 2015 at 3 p.m.

For the printed, mailed copy, do you require that the proposal images be printed as well, or will a CD suffice?
I see nowhere that sleigh ally mentions a portfolio. Is that included in the ten I age limit as well as proposal images? If so, is our portfolio required to be printed out on paper as well?

You will need to include the no more than 10 images in your mailed copy, there is a limit to 15 pages total. The mailed/hard copy should not be on CD or other form of electronic device. Your email below is a little confusing, but I believe that you are stating that the RFP doesn't include a request or limit on portfolio images. It is up to the artist how they want to ratio the images they use (past works and present proposal). It is also up to you on how your present/choose your past work representation. 3 References are required.

Directly from the RFP – pg. 13

Limit the response to fifteen (15) pages of written material including any visual material such as sketches, photographs, etc. Please be concise. The page count does not include index, dividers or separation sheets that contain no information, or short-form resumes of team individuals. Please do not place proposals in binders or binding products - you may staple or paperclip. Submit all proposals in one envelope or package.

Please let me know if you have any additional questions no later than Friday, February 20th at 3 p.m.

I am doing three proposals do you want a bio and resume in each one?

They should come as part of the proposal. I won't have time or the ability to paste them together... hope that helps.

I put together my 15 page application for the Library Project and merged it into one pdf file using the smallest file size for each page. The final pdf comes out to be 16.7MB, far more than the 8MB you specify. Is it possible to send it in segments, or do you need it all in one file?

I would suggest using an online system, such as Drop Box, to submit your electronic file. You can try to send it as a Zipped file, but some of the larger files have not come through in the past. When I receive your hard copy, I will let you know. If using dropbox, simply click send a link. This will provide you with a link to your proposal and I will be able to retrieve it and save it to my folder. Please send it to this email (jenny.diersen@parkcity.org)

Pre-Submission Meeting Notes 2/10/2015

Recorded and then typed by Jenny Diersen

In attendance – Dave, Jenny, Kevin

12 Artists

Meeting began at 4:02 p.m.

We are talking about the Interior Space. Is the artist allowed to use the space or just the wall?

An artist is allowed to use the wall, floor or ceiling for the artwork.

Is an artist allowed to use the space to the right of the Library?

No, the space to the right of the Library will be some type of café. The space is still in development.

Kevin comments:

The Library Staff is interested in an interactive, 3D piece.

The wall can be used to attach artwork to, however, it is not required that the piece attach to the wall.

The door on the wall is an egress only. It may be clad, covered, concealed – however, it must be able to open. It will function as an exit only.

The digital monitor on the wall can be relocated if an artist does not choose to use the connections and piece there. If the piece is relocated, that is part of the budget for the Library Building Project and does not need to be included with the Library Public Art Budget. The relocation of the monitor would be to the right of the Library entrance.

Are the pendant lights flush with the wood ceiling?

Yes, they are. A good example of them upstairs on the 3rd Floor. We will walk up there in just a bit so that you can see it. There will be some hanging lights in the café space once that is developed.

Ceiling Height is at 9'6", not the 10 feet as it states in the RFP. This is due to the ceiling coming down a bit. There will also be a 6" baseboard.

Artwork at this time is restricted to the First Column to the door break for the entrance of the Library. Artwork cannot be in the Entry Vestibule or in the Café Space.

Devices light the fire strobes will blink and make a sound in the case of a fire. They cannot be concealed, but can be relocated as allowed by the Fire Marshall. If they are relocated, they will need to be relocated elsewhere on the wall. They may be able to be moved higher, but this would need approval by the Fire Marshall.

The RFP states that objects cannot protrude more than 4" off the wall. Is this correct?

Objects that are located 27" to 6'8" cannot protrude off the wall more than 4" unless there is another method of a Visually Impaired Person detecting it. There must be a way for someone to detect an item with out injuring themselves.

Could a panel that is Floor to Ceiling be attached to the wall?

Yes, again, as long as if it protrudes more than 4" you can detect it.

How far into the space is an artist allowed to go?

As much as you want as long as the spaces can still be used as an entrance and gathering space.

Do you have locations on furniture yet?

We are in the process of finalizing furniture. All furniture in the Entry Hall will be able to be moved and reconfigured.

For the physical Library itself, will the doors remain open?

At the Library Entrance, the doors will be pocket doors that will slide to the right of the entrance. During opened hours, the doors will remain open. During nice weather, the doors to the patio will also be open, and allow the 'Library Space' to extend outdoors.

Columns are currently treated as they should remain. They are also a good example of how something can protrude more than 4" from the wall – they protrude more than 4" but are detectable for someone who is visually impaired.

What will signage be for the Library?

Outside the sign will say Park City Library. There may be signs above the Library Door, and a sign for the Café.

Will signage for the art piece that is selected be the responsibility of the artist?

No, the Public Art Advisory Board will produce the signage for the piece.

What is the weight limit for a piece hanging from the ceiling?

25 lbs per square foot. If you anchor to one of the tresses, then the weight limit can go up.

Group went upstairs and saw what the 3rd Floor Ceiling. The Library Entry Hall Ceiling will look similar.

When submitting the RFP, how many of the illustrations should be of previous works vs. the proposal?

Visuals are limited to 10 images. It is up to the artist to decide on the ratio of previous works and proposal images and which images they choose.

There are many different requests that come to an artist for cover pages. Can I do it the way I want?

As long as the items are outlined and labeled as such is stated in the RFP.

Sheetrock is painted. Is there concrete behind it?

An artist will be anchoring to the studs in the wall and the wall. Concrete will not be used to anchor. Sheetrock is painted as it will be. If an artist chooses to include paint in their proposal, that should be budgeted (and an artist would need a minimum of 2 coats of paint).

Ceiling will come a few inches from the wall, it will not come directly to the wall. There is a space between the ceiling and wall.

Is the deadline May 31 for complete installation?

This question has been asked before.

The PAAB have a goal to have a decision and notify artist that they have been selected as a finalist by Mid March. By end of March, the discussion would be brought in front of Park City Council for final decision and approval.

Once final notice happens, artist will need to obtain permits.

Currently there is a plan for a Grand Opening of the Library by June 1. It was the hope of both City Staff and the PAAB that the piece be installed at the grand opening. This is 1. Because the entrance cannot be interrupted once it is open (the space cannot be closed to the public during installation), and 2. because the staff wants to have the piece up for all to see at the opening. If an artist were to propose that a piece may be partially installed and then have public input/interaction/participation, the PAAB selection committee may be interested if it is outlined when completion will be in the timeline the artist states.

Is it possible to get a sample of the zinc that will be used on the exterior of the building?

Yes, we can get a sample. (Artist who request specifications of the zinc should email jenny.diersen@parkcity.org to have it emailed to them). Kevin stated that the zinc is readily available (depending on order would take 4 – 12 weeks).

Kevin reinforced the concept for the building –

The Library desires a piece that is 3d and interactive, relating to the region (weather, mountains, seasons etc..) and a Library Tie (not necessarily books) but something that is related to Park City.

The Public Art Advisory Board Selection Committee will review all proposals. A building official, Kevin and Adriane will review the finalists on March 9th. They will not have a vote in the piece that is chosen, but will give their input for the Board to consider.

Is it possible to have a Google Sketch Up (3D model) of the space?

Yes, we can get that to you via dropbox. (Artists who request the Sketch Up should email jenny.diersen@parkcity.org to have it emailed to them via dropbox).

How many proposals are we limited to?

Well – that is up to you. I would suggest no more than 5.

Is an artist allowed to tap into the ceiling panels?

Yes. Trim won't be as visible as it is upstairs. The panels are installed on a 2x4 system. They have an acoustic liner.

Are there opportunities for other art with in the space? Outdoor sculpture?

No exterior opportunities exist at this time. The space will be used during Sundance Film Festival each year (and has been used for it for many years past. The space will receive lots of visibility. Currently there are no other opportunities for this space.

Where does the budget for the piece come from?

The budget comes from 1% of construction costs. – Project maximum is \$60,000.00

Will there be a security gate for the Library? Yes, there will be security placed on the inside of the Library at the entrance.

Can the monitor be moved all together?

No the monitor will exist where it is in the architectural drawings if the artist wishes it to, or it will be moved to the right of the entrance of the Library on the exterior wall near the café.

There will be wooden framing around the large glass doors leading to the outside patios and to the Library. T On the “portal frame/threshold” leading to the library, there will be 3” birch ply to help define the space as between the actual library and gathering space. On the exterior frame to the inside of the glass doors and on the inside of the building to the glass doors to the outside patio, there will be a dark cherry finished wood framing the doors.

The exterior space has been dedicated as a community gathering space, Open Space for Park City. It is deed restricted. Landscaping is open for views. No additional trees will be planted. Existing trees will remain. There will be tall grasses on the deck. New sod will come to the concrete.

The terrace will be used as a gathering space, for public and for events.

What is the concept of the architect?

The concept is that the treasure is the building and it, as well as its contents are being protected. New modern design creates zinc as protected shell. It also represents the ribbon or bow on a box or gift.

Kevin can provide ceiling plans, sketch up of 3D model. Email jenny.diersen@parkcity.org to obtain this information.

The RFP states that you must submit the items electronically and as a hard copy.

Can electronically be by CD or Thumb Drive?

We would much prefer that items are submitted via email and dropbox or a program that is similar for larger files. A Thumb drive would be fine for electronic submission, but you will not receive the thumb drive back. Items submitted by CD are welcome, but it is the artists responsibility to ensure that they work and have one document on them as the requirements state. All proposals must be submitted BOTH electronically and as a hard copy by Wednesday, February 25, 2015 at 3 p.m.

Meeting ended at 4:46 p.m.



2500 Old Stage Road • Greeneville, Tennessee 37745 • U.S.A. • Toll Free: 800-251-7506 • Facsimile: 423-639-3125

Jarden Zinc's Composite Material

Jarden Zinc Composite Material (ZCM) combines the natural beauty of zinc with the flatness, durability, ease of fabrication and cost effectiveness that ACM is known for.

Jarden Zinc Composite Panels manufactured in the United States.

Jarden Zinc Composite PE features a polyethylene core that adds strength and rigidity to the zinc panels, This maximizes its flexibility and formability, while maintaining a light weight for easy installation.

Jarden Zinc Composite FR is manufactured with a fire retardant mineral core that guarantees higher resistance to fire.

Jarden Zinc Composite panels are exceptionally flat, formable, light and easily integrate with curtain walls provided by most manufactures, creating a seamless aesthetic for your façade.

Jarden Zinc provides Architects, Contractors and Owner Groups with the widest zinc material choices and technology to make intelligent and confident design decisions.

Specifications

Overall Thickness – 4mm

Skin Thickness - .50 mm & .70 mm

Core – PE & FR

Zinc Alloy – EN988 (Jarden Alloy 710)

Weight – 2.33lb/ft² (12.92 kg/m²)

Width – ups to 1100mm

Maximm Length – 243” (6172mm)

Finish –Glacier Grey, Onyx Black, Ocean Blue, Sonoma Red, Gannett Green, Espresso brown.

JARDEN ZCM

Special Considerations

Jarden ZCM: Zinc Composite Material

Jarden Zinc Products' Zinc Composite Material (ZCM) combines the natural beauty of zinc with the flatness, durability, ease of fabrication and cost-effectiveness for which Aluminum Composite Material (ACM) is known. Utilizing a zinc-titanium alloy, Jarden ZCM comes in a natural blue grey, pre-weathered appearance, an attractive color that matures over time as it is exposed to air and the elements, developing the natural zinc carbonate patina that protects the surface. Scratches and imperfections melt away over time as the natural patina develops and matures. The natural beauty of zinc projects a powerful yet natural look on your building. ZCM offers architects the benefits of designing with composite material while giving the building a classical exterior material. For this reason, zinc has been used by architects with great success in natural settings and historic districts and as accents on older, more traditional buildings undergoing renovation.

Product Basics

Thickness	4 mm; 0.5mm or 0.7mm thick skins
Core	PE & FR core is used
Zinc Skin Alloy	Zinc Alloy – EN988 (Jarden Alloy 710)
Weight	Standard: 2.331b/ft ² (12.92 kg/m ²)
Widths	39.37" (1000 mm)
Maximum Length	243" (6172 mm)
Coefficients of Expansion ASTM E228	Longitudinal 12.2×10^{-6} in/in/°F Transverse 9.4×10^{-6} in/in/°F
Finishes	Glacier Grey, Onyx Black, Ocean Blue, Sonoma Red, Gannett Green, Espresso Brown

Appearance of Jarden ZCM

Glacier Grey Pre-Weathered Finish

Jarden Zinc utilizes a unique patented process to alter the surface of the zinc alloy to resemble a naturally weathered surface in both color and structure. A unique color that cannot be duplicated with paint or other coatings either in color or uniformity is the end result. From a distance the panels' patina will have a bluish-gray color. Up close, the natural surface variation and grain of the natural metal finish are revealed.

Patina Process & Aging

The surface of Jarden ZCM using zinc alloy coil develops over time a patina that serves as a protective layer. The patina (zinc carbonate) is a dense, firmly adhering and water-insoluble coating layer, which is responsible for the high corrosion resistance of zinc. Since other substances from the environment are incorporated into the patina, the color will vary slightly from one place to another.

Cleaning and Maintenance

For the same reasons mentioned above, the surface of Jarden ZCM requires only minor cleaning and maintenance over its lifetime. The zinc carbonate protective layer is a self-healing benefit. The patina immediately begins forming in scratches and abrasions at an accelerated rate. Over time the surface will achieve uniformity and the surface aberrations will virtually disappear.

JARDEN ZCM

Special Considerations

Corrosion Resistance

Much like aluminum and aluminum oxide, zinc carbonate is a naturally forming patina that protects the surface and makes ZCM very corrosion resistant. Water must not be allowed to stand, permanently contact, or pool on zinc products, even before installation. Long term exposure to water (including wet wood or pallets,) other than rain running over panels, will cause zinc to permanently stain white. For information on electrolytic and galvanic corrosion, please refer to “Reaction with Other Metals”.

ZCM FR Core

Passes ASTM E84 Steiner Tunnel Tests for flame spread and smoke generated.

Reaction with Other Metals

To eliminate the danger of galvanic corrosion between zinc and other metals of differing voltage potential, please ensure that other metals coming in permanent contact with ZCM are made of aluminum, galvanized steel or stainless steel.

Environmental Impact

Zinc is a non-corrosive, environmentally-friendly product with 100% clear-water runoff.

Handling

Fingerprinting

Use gloves and long sleeves when handling ZCM. Handling the unprotected surface of ZCM with bare hands could leave fingerprints on the surface, which over time will incorporate into the patina and discolor the metal due to the acidity contained in perspiration. For removal of fingerprints see cleaning instructions.

Scratches and Abrasions

Zinc is self-healing. When scratches and abrasions occur on the panel surface, the zinc carbonate patina immediately begins to form in those areas. The patina will develop at an accelerated rate, eventually blending into the surrounding area on the panel.

Transportation & Storage

Support

Transport flat and fabricated ZCM panels in secure packing configurations to avoid abrasion and scratches. Also take special care to store and transport ZCM panels on flat, well-supported surfaces to avoid material deflection and potential permanent set. Even though ZCM is a strong and flat panel, the zinc alloy is softer than aluminum.

Protection from Water & Moisture

Jarden ZCM panels are transported and stored under dry, ventilated conditions. Direct contact between wet surfaces and panels should be avoided. Keep all stored ZCM panels physically elevated above the ground, with proper ventilation underneath storage skids and to the enclosed volume. Keep all storage skids covered and allow airflow under waterproof tarps or other material secured against the wind. If possible, avoid stored panel exposure to changes in dew point or temperature that could result in condensation buildup. If ZCM is stored on a porous damp surface, such as foam or wood pallets, likely permanent staining will result.

JARDEN ZCM

Special Considerations

Installation During Rain

Jarden ZCM can be installed during wet and rainy conditions or on surfaces wet from rain provided that sub-surfaces do not have water-accumulating properties and provided that they can dry out after installation.

Removal of Heavy-Gauge Protective Film

The heavy-gauge protective film applied during material manufacture should be left on until the material is installed on the building façade, at which time it should be removed as soon as possible.

Design

Benefits of ZCM

Jarden ZCM can be fabricated to accommodate the most challenging interior and exterior design applications.

ZCM is very flexible in design applications. It can be used in modern urban districts or in historic settings where a natural surface is desired to blend into the surroundings and project a feeling of times past.

Panel Width Limitation 39.37 Inches

Due to manufacturing process parameters, Jarden ZCM is limited to a width of 1 meter (39.37 inches). With a standard rout-and-return system, panel modules of 36 to 37 inches in width are recommended.

Panel Length Recommendations

Though ZCM panels can be manufactured up to 243 inches in length, it is recommended that panel module no more than 10 feet (120 inches (3048 mm)) maximum be utilized. Additional stiffeners will be needed as per the recommendations in Section below. A 10-foot module will require a flat panel.

Optical Directionality Concerns

When designing panel placement, it is extremely important to treat Jarden ZCM in the same manner as ACM finished with metallic coatings that exhibit directionality. The longitudinal and transverse direction of the zinc panel has both optical thermal expansion differences. ZCM panels should be installed with the metal grain oriented in the same direction on the building façade utilizing the directional arrows printed on the back of panels.

ZCM Rigidity & Stiffener

The lower tensile yield strength for zinc compared to aluminum translates to lower wind-loading capabilities for ZCM versus ACM. ZCM panels will experience permanent set after deflection under much lower loads than ACM panels. With proper stiffener placement, ZCM can be installed in most architectural applications.

Thermal Expansion & Contraction

The coefficients of thermal expansion and contraction of Jarden ZCM differ greatly from Aluminum Composite Material. ACM will expand and contract equally, longitudinally and transversely to the metal grain. The zinc alloy used in Jarden ZCM will expand and contract differently in each direction. The coefficients per ASTM E228 are listed below with respect to directional orientation to the metal grain.

ZCM Longitudinal Coefficient of Thermal Expansion = 12.2×10^{-6} in/in/°F

ZCM Transverse Coefficient of Thermal Expansion = 9.4×10^{-6} in/in/°F

Significance:

When performing thermal movement calculations for a particular "run" of panels on an elevation or façade, it is very important that calculations be performed in both vertical and horizontal directions.

JARDEN ZCM

Special Considerations

Minimizing Color Variation

Due to the unique alloying characteristics and patina formation process inherent to each batch of zinc coil used for ZCM, it is very important to order material in one release from one production lot. Doing otherwise will result in high degrees of optical color variation. It is important to mention though that zinc is a natural metal; small degrees of color variation within a single production lot should be expected.

Design with Moisture-Weeping Systems and Ventilation

It is extremely important to design to include adequate weeping of condensation or rainwater from behind the panel to the ground. Failure to do so will result in material corrosion due to standing-water.

Fabrication

Fabricate ZCM as ACM

ZCM can be fabricated with the same equipment used for fabrication of ACM. It is a softer metal than aluminum; therefore no major tooling changes are required.

Minimum Working Temperature

To avoid cracking, ZCM should not be worked when the temperature is lower than 10° C (50° F).

Soldering

ZCM can be soldered with good strength acquired if the joints are correctly designed. Though soldering is preferred, ZCM can also be welded.

Importance of Gloves

When handling the unprotected surface of ZCM with bare hands, fingerprints could be left on the surface, which will discolor the metal due to the acidity contained in the perspiration. For information on removing fingerprints, see the cleaning instructions.

*For fabrication guidelines contact your Sales Representative.

Installation

Avoid Standing Water and Condensation on Installed ZCM

Install Jarden ZCM to prevent conditions of standing water or moisture in areas behind panels. Moisture can result in premature corrosion of the zinc skins. Any moisture behind panels as a result from condensation or water penetration must be moved away from the zinc surfaces. Jarden Zinc recommends that weeping and ventilation be incorporated into the installation of any glazed panel, dry reveal or rainscreen using ZCM.

Use of Temporary Façade Covers during Construction

If covers are used to protect panel areas during construction or staging it is critical that the covering:

- Should not be placed over wet or damp ZCM panels
- Should not be used if the cover material is damp
- Should be installed in a manner that ensures proper ventilation to all the covered panels

Fasteners & Attachment Extrusions of Different Metals

To eliminate the danger of galvanic corrosion between zinc and other metals of differing electrochemical voltage potential, please ensure that fasteners and attachment extrusions used with ZCM are made of aluminum, galvanized steel or stainless steel only. ZCM is in direct contact with aluminum, in principle there is no risk of contact corrosion.

JARDEN ZCM

Special Considerations

Weeping of Condensation / Moisture / Rainwater

Panels should be installed adhering to design specifications for weeping condensation or rainwater from behind the panel and installation system to the ground. Failure to do so will result in material corrosion due to standing water.

Silicone Sealants

Jarden ZCM reacts well with neutral or slightly alkaline silicone sealants neutral (pH < 12). Do not use systems with an acid reaction, such as acetoxy or acetic acid systems, since upon contact with ZCM they may initiate corrosion.

Compensation for Thermal Movement

As mentioned in the design section, it is extremely important to install Jarden ZCM strictly adhering to design specifications for compensation of thermal movement. This includes not only proper orientation of panels but also correct use of fasteners.

Removal of Factory-Applied Protective Film

A strippable film is applied to ZCM during the manufacturing process to protect the surface from dirt, moisture and scratches during handling, fabrication and installation. This film should be removed immediately after installation.

Importance of Gloves and Long Sleeves

Even with the protective film still in place, it is important that workers wear gloves and long-sleeve shirts while installing Jarden ZCM panels to avoid skin to metal substrate contact. Such contact will result in subsequent zinc oxide formation and blemishing.

Cleaning

General Recommendations

A unique property of zinc alloy is that as the material ages it forms a natural and variable patina influenced by its local environment. Over the lifetime of the building little cleaning will need to be done. It is important to NOT use traditional cleaning agents commonly used in construction to perform "final cleaning" before building acceptance. These can interfere with the natural patination process.

Mortar & Concrete Contact

In general, alkaline chlorine-free mortar or concrete will not lead to critical corrosion of zinc substrates. Corrosion occurs only if there is sufficient moisture trapped against the panel surface. Plaster will not cause problems provided that it dries very quickly and does not maintain a constant state of dampness. Mortar and concrete contact can initiate corrosion due to chlorides present in mixing water that persists beyond the curing phase. Therefore all mortar residue, concrete and plaster that come in contact with ZCM should be removed promptly. Some aesthetic discoloration may be observed but this is non-destructive in nature.

Fingerprint Removal

Fingerprints can be removed immediately following fabrication or installation with acid-free oil or washing with a mild water based detergent. If the discoloration is not removed immediately the fingerprints will be incorporated into the patina.

Surface Runoff Marking

Under most circumstances Jarden ZCM panels have a 100% clear-water runoff from rainwater. However, traces of zinc hydroxide runoff can occur if large amounts have formed on the metal surface due to improper storage prior to installation.

Technical Bulletin

Jarden zinc can help earn certification points in the LEED® (Leadership in Environmental and Energy Design) Green Building Rating System™. The most likely categories include:

Materials & Resources: MR Credit 4 – Recycled Content: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (for 1 point) or 20% (for 2 points), based on total material cost, excluding installation. The table below lists calculated % Recycled Content by Weight for each product.

Materials & Resources: MR Credit 5 – Regional Materials: Use building materials that have been extracted, harvested, or recovered, as well as manufactured within 500 miles of the project site for a minimum of 10% (for 1 point) or 20% (for 2 points), based on total material cost, excluding installation. If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) can contribute to the regional value. It is possible to earn points in this category when both the final assembly point and the recovery point of recycled content are within 500 miles of the project site. The USGBC defines the location of manufacture as the point of assembly of the finished product installed on the project site.

Innovation in Design: ID Credit 1 – Points are awarded for innovative design and/or exemplary performance above the requirements set by LEED. Possible rationale for earning these LEED points includes the above-average recycled content of Jarden Zinc ZCM.

<i>Material</i>	<i>Thickness (mm)</i>	<i>Core*</i>	<i>Weight (lbs/ft²)</i>	<i>Pre- Consumer</i>	<i>Post- Consumer</i>	<i>LEED Contribution (1.0 x Post + 0.5 x Pre)</i>
Jarden Zinc	4	FR	2.33	0%	11%	11%

FR - Fire Resistance