



Section 098413

Fixed Sound Absorptive Wood Panels

JOB: Webster ISB
JOB NO: I-55453-098413
SHIP TO ADDRESS: 8724 Big Bend Blvd
StLouis, MO 63119

CONTACT: Matt Horton
CONTACT PHONE #: 636-561-9841
CONTACT FAX #:
G&S CONTACT: Chuck DeFosset

098413-1.3.A/B/C

As noted in RFI-038 and Substitution Request 9. Product Data and Sample have been approved. Please confirm that color of panels is to be PT-1 Sherwin Williams Snowbound SW7004 per ID Schedule.

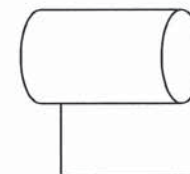
Note that panels to have a 1" border without perforations.

Yes, this color is correct.

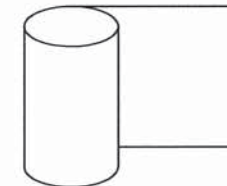
ACOUSTICAL WALL PANEL

PRODUCT: Soundply RFM-25 perforated wood by Navy Island
CORE MATERIAL: 1" thick perforated wood with fiberglass infill
FINISH: ADVISE

MOUNTING: Two (2) Part Z Clip Mounting
EDGE DETAIL: Square



Standard:
Top Down
off the roll



Railroad:
Left to Right
off the roll

NOTES:

- 1) FVD = FIELD VERIFIED DIMENSIONS
- 2) HOLD ELECTRICAL FIXTURES OUT TO ACCOMODATE PANEL THICKNESS **1 1/4"**
- 3) NRC IS BASED ON STANDARD FINISH
- 4) FIELD VERIFYING DONE BY GOLTERMAN & SABO

NOTE: NRC test results based on our standard acoustically transparent fabric.
Results may vary with other fabrics.

DATE MATERIAL REQUIRED: _____
JOBSITE CONTACT: _____
JOBSITE PHONE NUMBER: _____
CELL NUMBER: _____
DELIVERY APPOINTMENT REQUIRED (ADD. CHARGE) YES: _____ NO: _____
SHIPPING NOTIFICATION ATTN: _____
EMAIL: _____ PHONE: _____ FAX: _____

Lead time is a minimum of 10-12 weeks after receipt of approved shop drawing and field verified dimensions.

Golterman & Sabo is not responsible for unloading or storage of materials.

Is this project phased: Yes _____ No _____

APPROVED BY: _____ DATE: _____

CROSS LIGHTING

Critical cross lighting from windows, skylights, down lighting or sconces can alter the appearance of our panels. Please note below if there is cross lighting on our panels. If so please define.

☐ No, there is no critical cross lighting.

☐ Yes, there is critical cross lighting.

Explain below:



3555 SCARLET OAK BLVD
ST. LOUIS, MO 63122
(636) 225-8800
(800) 737-0307

Job Name: Webster ISB

Job #: I-55453-098413

G&S Contact: **Chuck DeFosset**

Representative:

Date: 12/20/16 By: CED
Date: Chkd By:
Rev Date: By:
Rev Date: Chkd By:

Provide return on this panel - refer to details

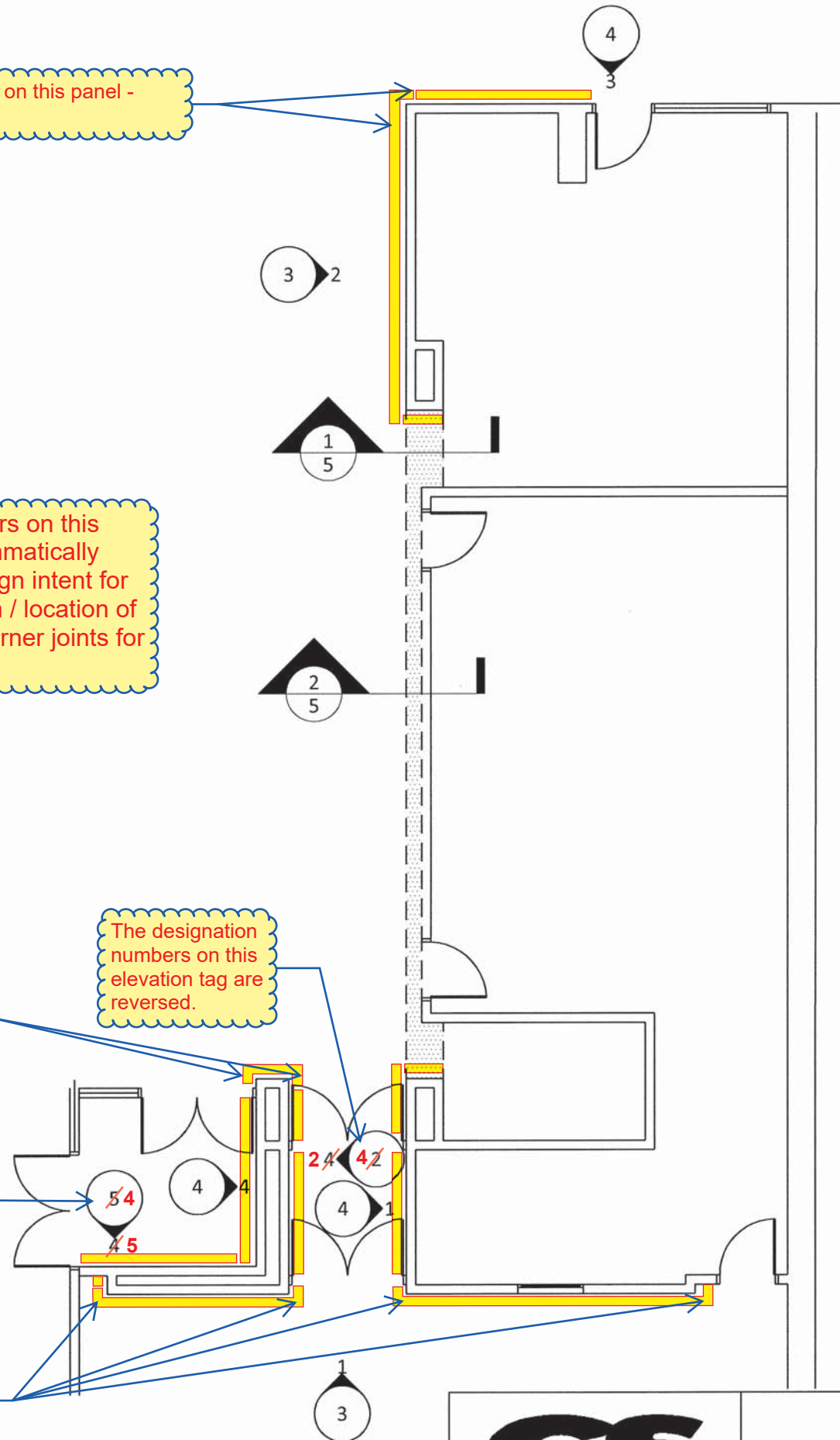
The yellow bars on this sheet diagrammatically show the design intent for the orientation / location of the outside corner joints for these panels.

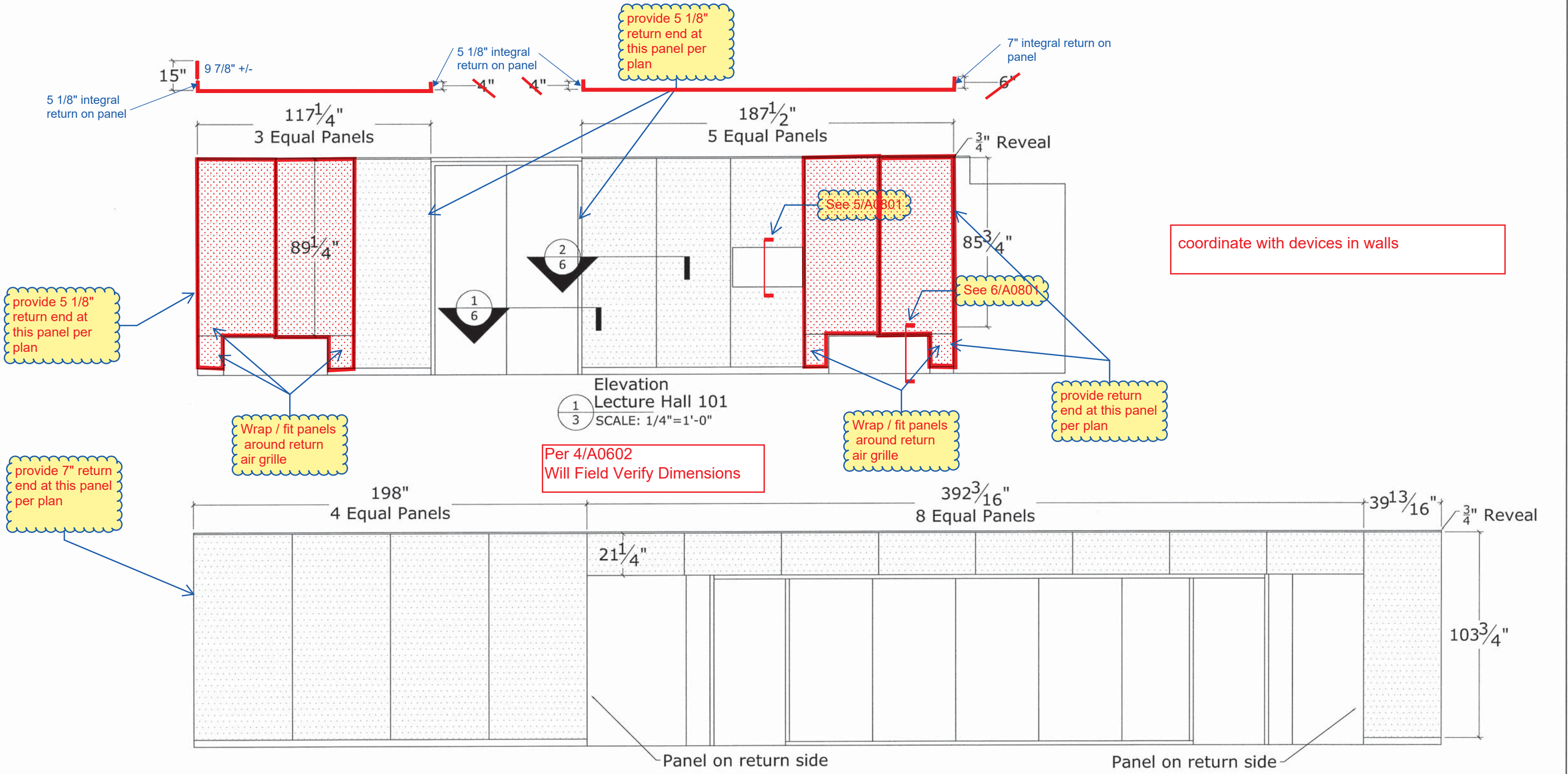
Provide returns on both sides of this panel - refer to details

The designation numbers on this elevation tag are reversed.

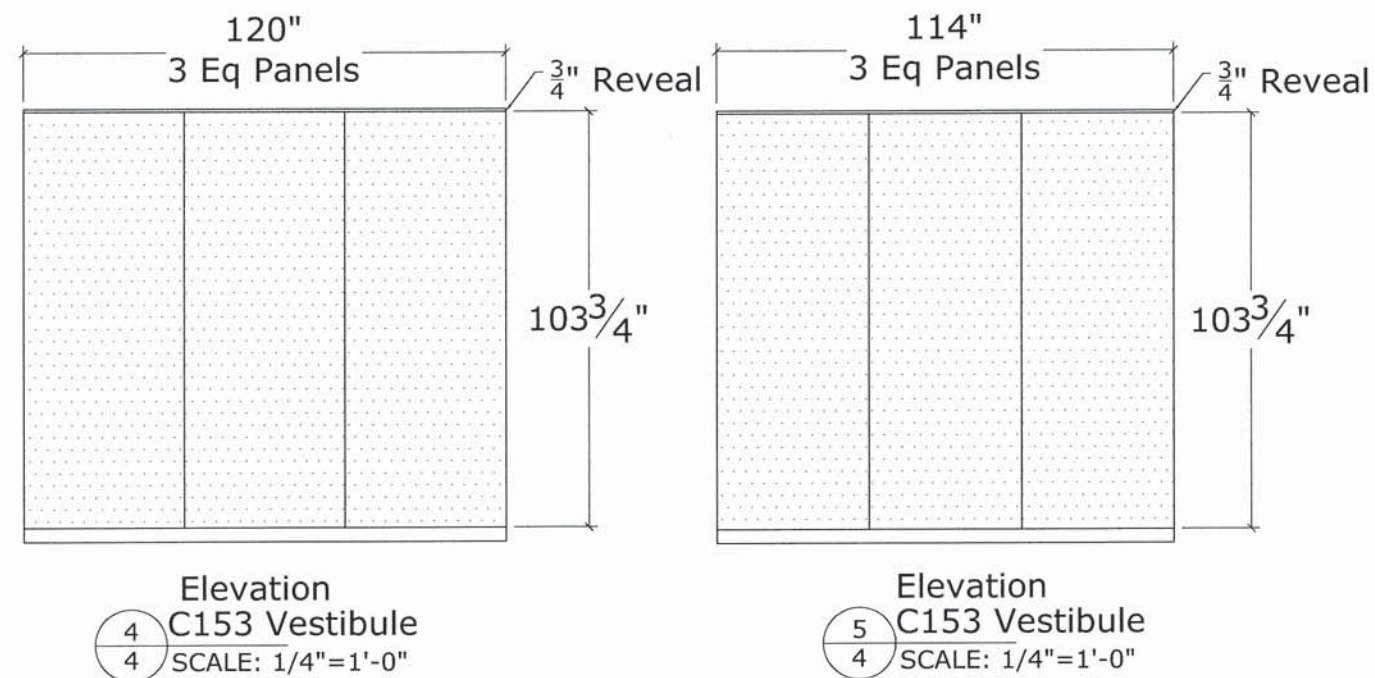
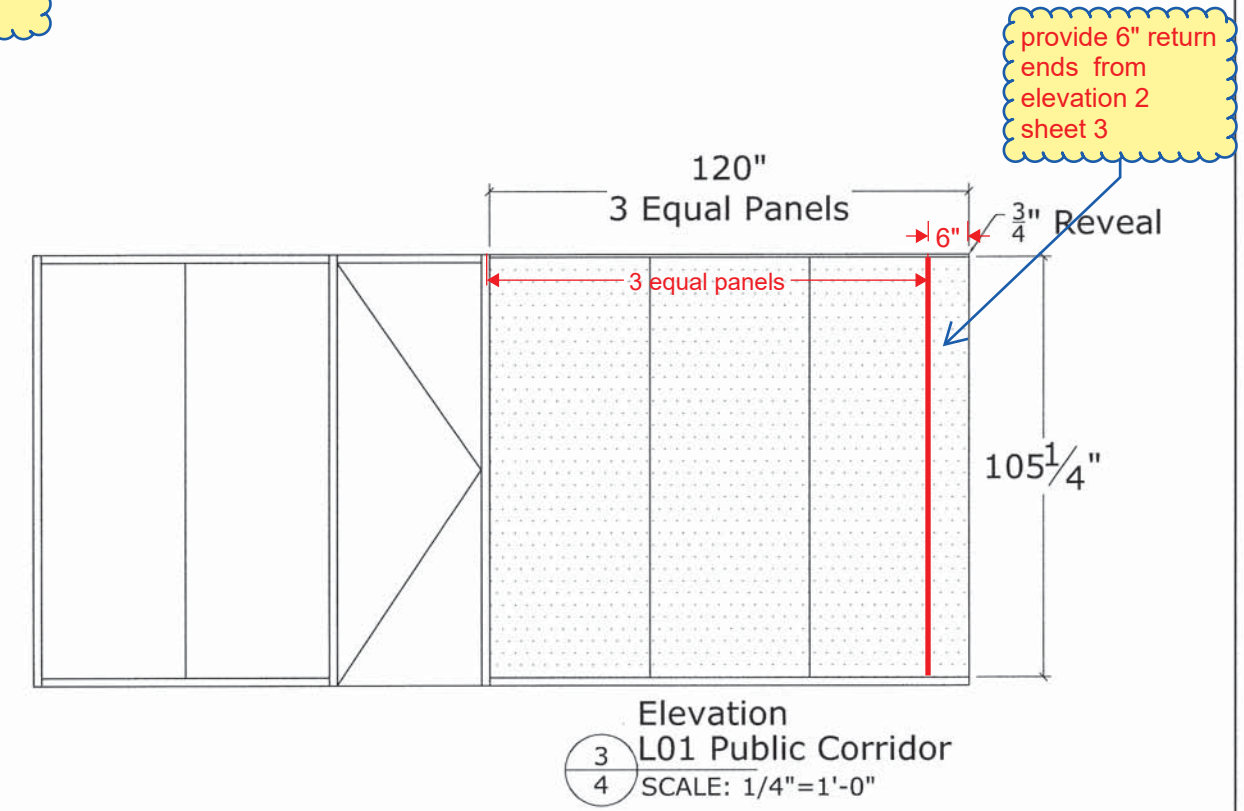
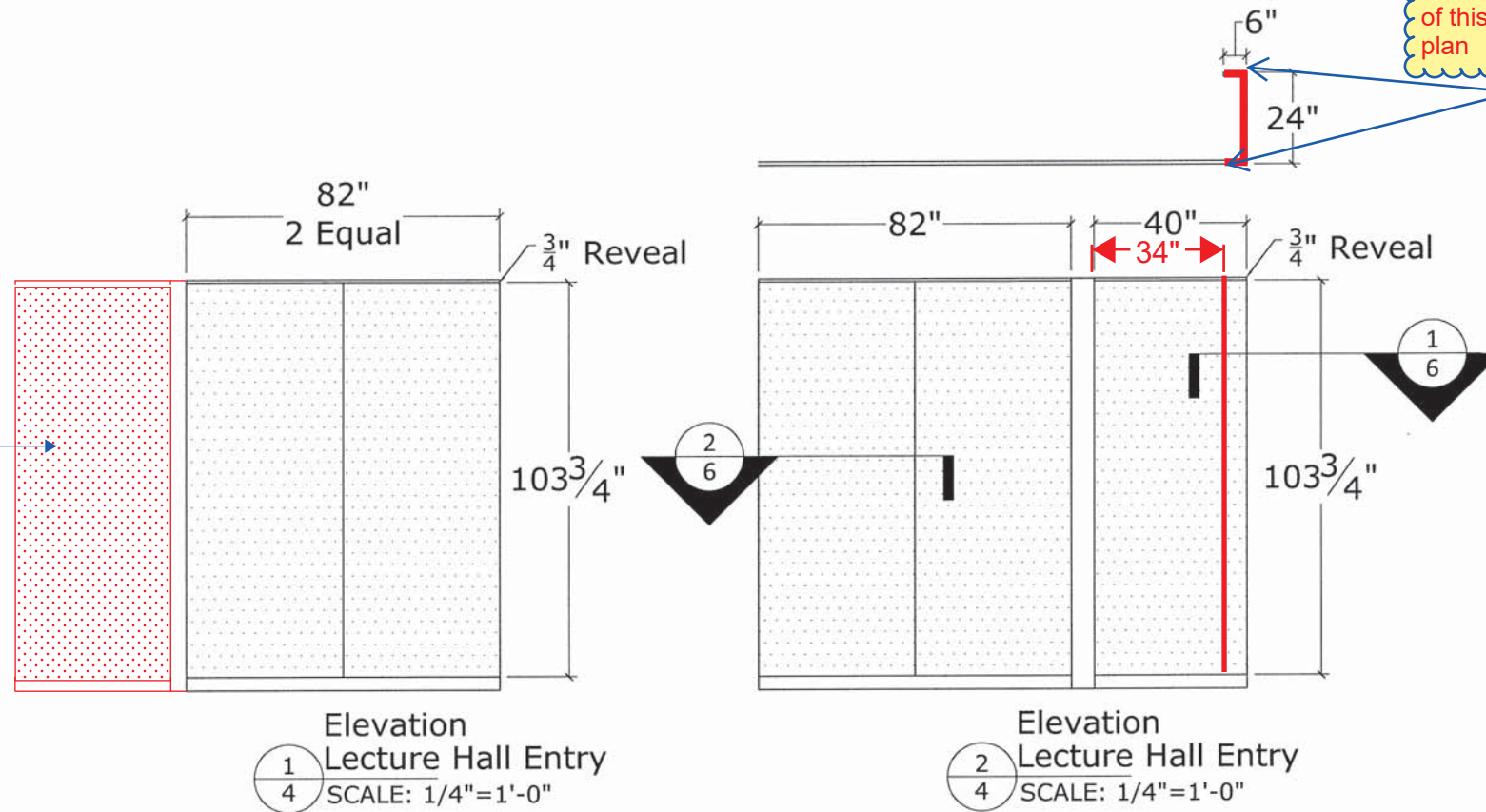
Provide 5 1/8" returns on all these panels - refer to details

Per A0202



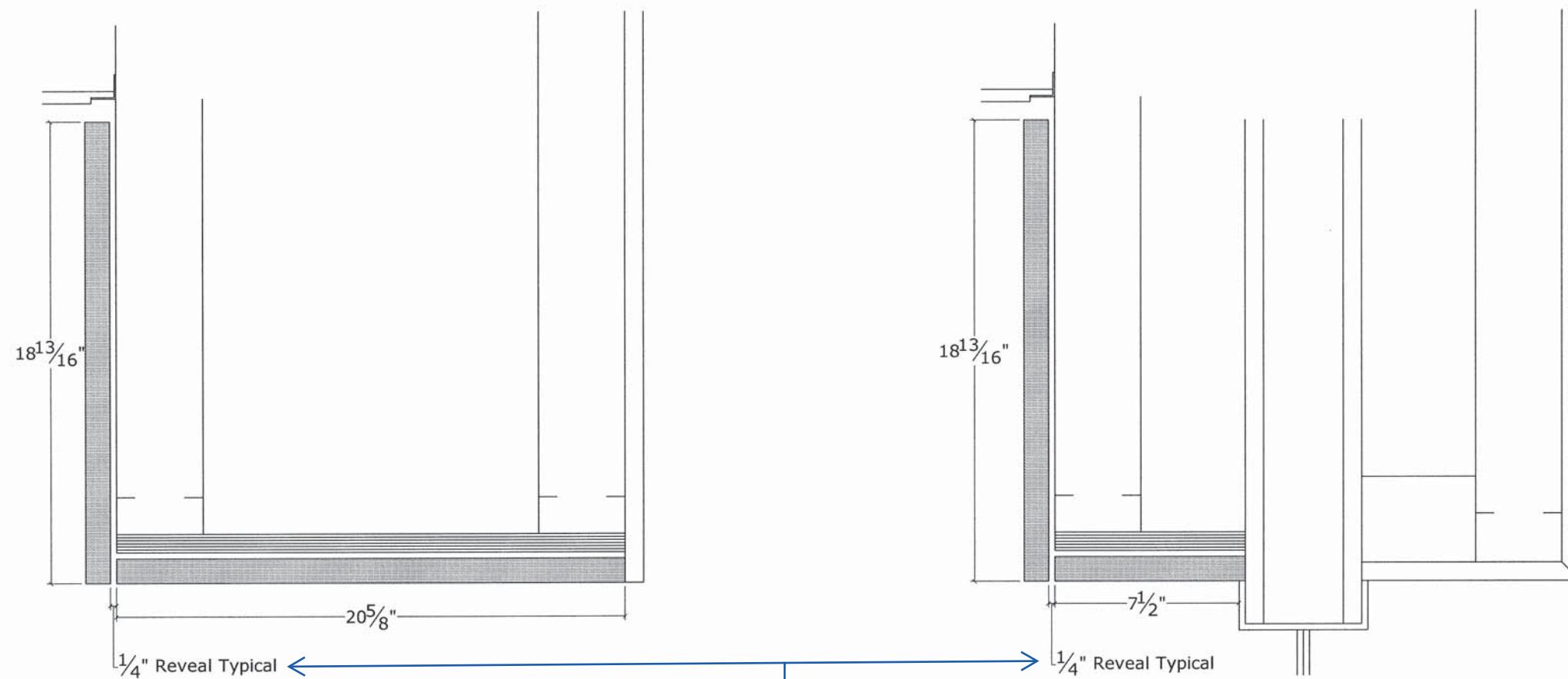


(panel shown on
elevation 2 sheet 3)



Per A0601 and A0602
Will field verify dimensions prior to fabrication.

coordinate with devices in walls

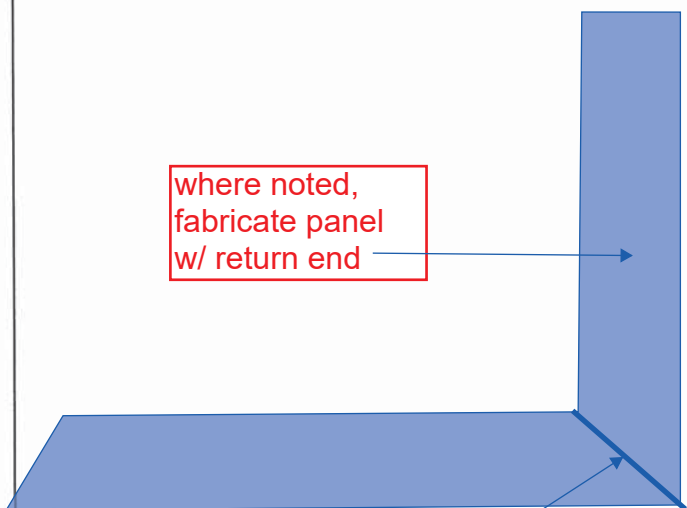


Section View
Soffit
1
5 SCALE: No Scale

Please use 1/8"
reveal here instead
of the 1/4" reveal.

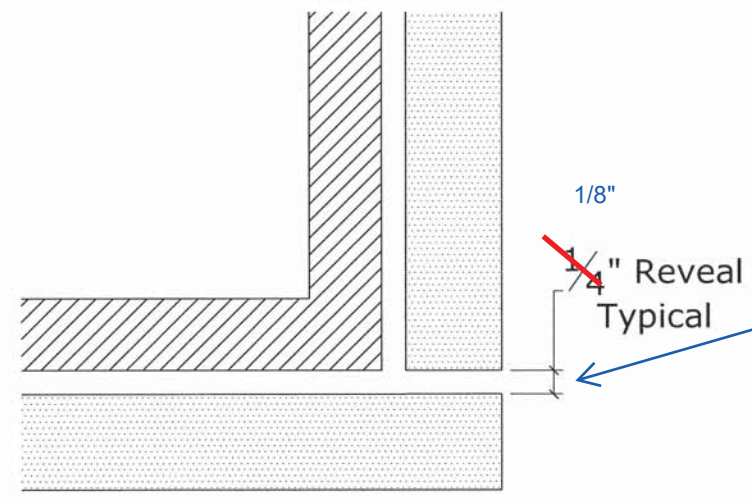
Will field verify dimensions prior to fabrication.

Section View
Soffit
2
5 SCALE: No Scale

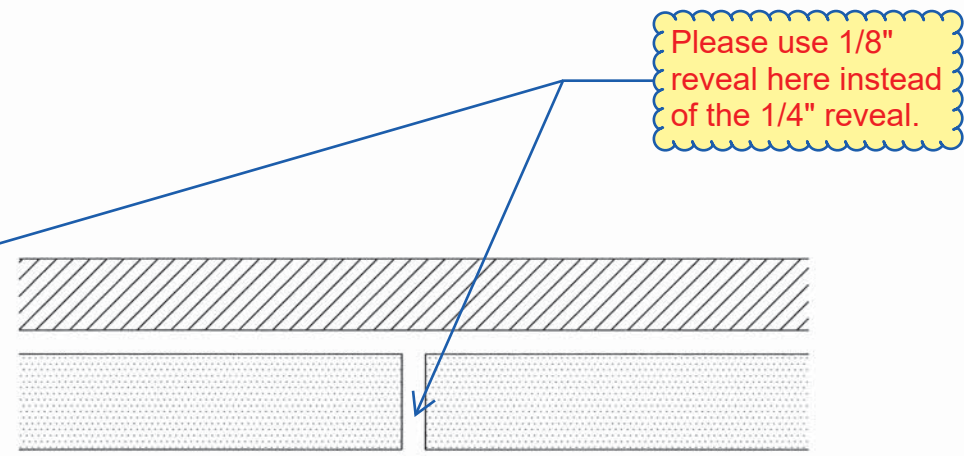


where noted,
fabricate panel
w/ return end

miter panel



1
6 Typical Detail
Outside Corner
SCALE: No Scale



2
6 Typical Detail
Butt Joint
SCALE: No Scale

Please use 1/8"
reveal here instead
of the 1/4" reveal.

Will field verify dimensions prior to fabrication.

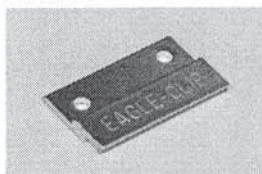


INSTALL INSTRUCTIONS

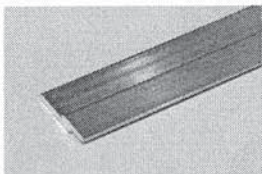
SOUNDPLY™ RF WALL PANEL Z-CLIP MOUNTING

MATERIALS PROVIDED BY NAVY ISLAND.

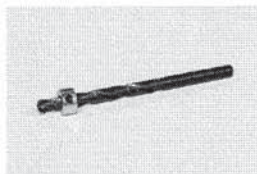
a. Z-Clip 3/8"



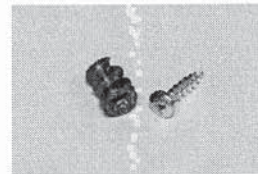
b. Z-Bar 3/8"



c. 1/4" drill bit with stop



d. SoundPly Anchors
+ #8 x 3/4 screws



MATERIALS NOT PROVIDED BY NAVY ISLAND.

a. Fasteners to mount Z-Bar to wall

TOOLS NEEDED

- a. Drill (used to drill pilot hole in back of panel)
- b. Phillips head screw driver (If using screw gun, use on low torque setting.)

Per brochure previously sent to Cannon, Soundply RFM-25 meets the following LEED Credits:

EA 1
MR 4.1
MR 4.2
MR 7
EQ 4.4
EQ 7
EQ 7.1
EQ 9



INSTALL INSTRUCTIONS

SOUNDPLY™ RF WALL PANEL Z-CLIP MOUNTING

1. WALL PREPARATION

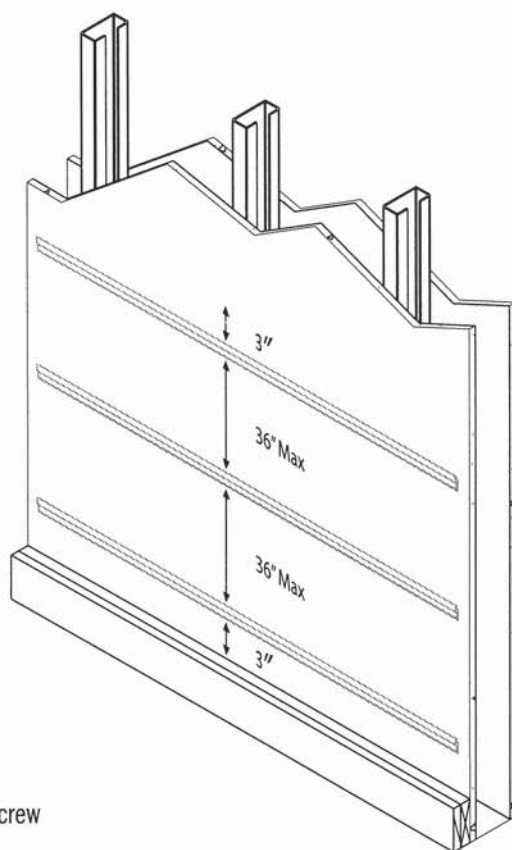
If sequence matched, location label is located on the back and the panel must be installed according to the shop drawings included in the panel shipment. If shop drawings cannot be located, please contact Navy Island for a copy before cutting or installing.

Select the appropriate fasteners to attach the Z-Bar to the wall, which will be based on the type of wall construction (thickness of gypsum board, stud material, etc.). Mount the Z-Bars on the wall as shown below to prevent warping unless shown otherwise on shop drawings.

NOTE: The wall, NOT the panel, will determine the flatness of the finished panel. Shim the Z-Bar on the wall as needed to create a flat plane for the panel in both vertical and horizontal planes.

Z-Bars should be cut 2" shorter than panel leaving 1" from each end of panel.

Top and bottom Z-Bar should be placed 3" from top of bar to top of reveal.

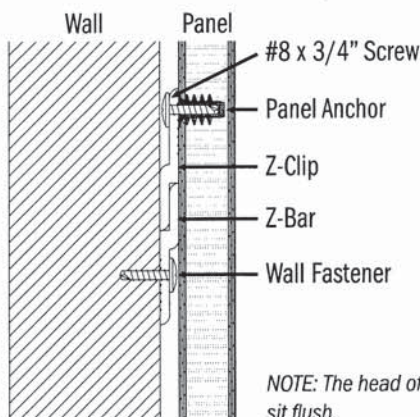


Anchor points on a single Z-Bar should be no more than 16" apart.

Distance between Z-Bars can be no more than 36".

For additional support where needed blocking may be added behind the gypsum board between studs.

Final installed Z-Bar and



NOTE: The head of screw fastening the Z-Bar to the wall must be flush or below the surface of Z-Bar otherwise panel will not sit flush.



INSTALL INSTRUCTIONS

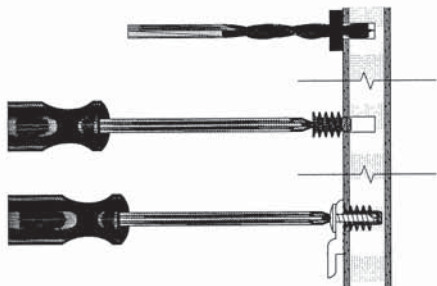
SOUNDPLY™ RF WALL PANEL Z-CLIP MOUNTING

2. PANEL PREPARATION

If sequence matched, location label is located on the back and the panel must be installed according to the shop drawings included in the panel shipment. If shop drawings cannot be located, please contact Navy Island for a copy before cutting or installing.

NOTE: For edgebanding and field modifications please see Install Instructions: SoundPly Panel Modifications.

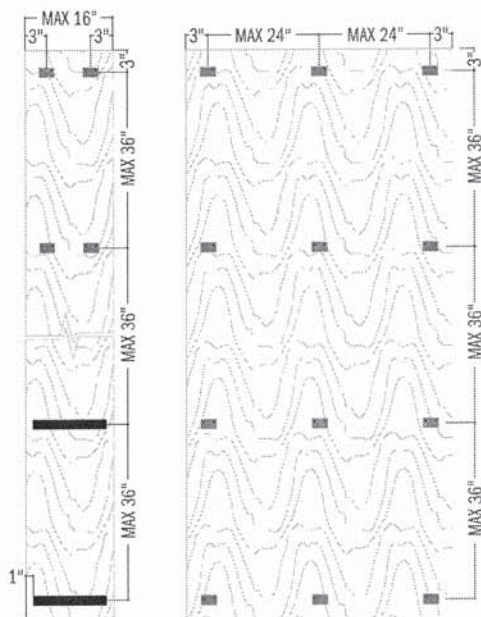
Installing a Navy Island, Inc. Anchor.



- Drill 1/4" pilot hole 1/2" deep (use provided drill stop).
- Screw in SoundPly Anchor flush to panel. DO NOT OVER TIGHTEN.
- Place Z-Clip and secure with #8x3/4" screw. DO NOT OVER TIGHTEN.

WARNING: If anchor is over tightened, anchor could cause damage by going through panel.

Spacing to install Z-Clips on panel.



Vertical spacing

- Top and bottom row Z-Clips must be 3" OC from edge of panel.
- Max 36" between vertical clips.

Horizontal spacing of Z-Clips for panels 16" wide and under

- Z-Clips must be 3" from edge of panel -OR-
- Use a Z-Bar cut 2" shorter than panel width. (1" spacing on each side of panel.)

Horizontal spacing of Z-Clips for panels over 16" wide

- Use at least 3 Z-Clips across.
- End Z-Clips must be 3" from edge of panel.
- Max 24" between clips.

NOTE: Using Z-Bars on panels wider than 16" will cause warping. ONLY use Z-Bars on panels narrower than 16".



INSTALL INSTRUCTIONS

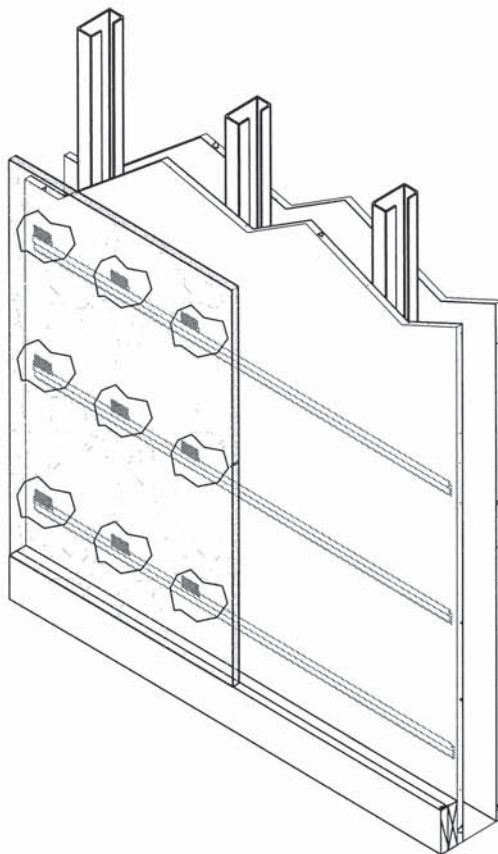
SOUNDPLY™ RF WALL PANEL Z-CLIP MOUNTING

3. INSTALLATION

If sequence matched, location label is located on the back and the panel must be installed according to the shop drawings included in the panel shipment. If shop drawings cannot be located, please contact Navy Island for a copy before cutting or installing.

1. Ensure that the panel location and veneer orientation matches shop drawings. Always handle panels with care.

2. Lift panels so that the Z-Clips clear their corresponding Z-Bar.



3. Gently press the panel into the wall and lower until Z-Clips are resting in Z-Bars.

4. To prevent panel movement, lock the panel in place against the Z-Bar by gluing the **CENTER** column of Z-clips using silicone or Loctite PL400.

NOTE: Gluing more than just the center Z-clips will not allow for the panel to expand and contract, resulting in potential warping.

NOTE: To avoid damage SoundPly Panels should not be directly hammered.

DISCLAIMER

Navy Island, Inc. is not responsible for the appearance or performance of SoundPly Panels that are not installed or modified in accordance with these written instructions and/or project shop drawings. See SoundPly Limited Warranty for more details.



CARE AND HANDLING

SOUNDPLY™ ACOUSTICAL PANELS

1. HANDLING

SoundPly panels are decorative acoustical panels, not structural plywood.

- Handle with care and fully support the panels if they are removed for service.
- Protect the surface and edges of adjacent panels from being damaged during removal and reinstallation.
- Carefully remove panels by reversing the installation instructions on shop drawings furnished with the mounting system.
- Use caution when using the panel remover tool. Excessive use of force may damage the panel or the mounting system.
- Lay panels on cushioned surface and do not slide anything over perforated surface.
- Before reinstalling, carefully inspect mounting clips on panels for damage or distortion caused during removal.
- Reinstall the panels in the exact orientation they were removed, noting grain direction and clip location.
- Follow cleaning instructions to remove finger prints and restore the surface appearance.

2. CLEANING

NOTE: Always test clean in an inconspicuous part of the panel before proceeding.

Special care should be given to the perforated surfaces and panel edges.

- Routine cleaning and dust removal can be accomplished with a soft bristle brush and vacuum.
- Accumulated dust or dirt can be removed with a slightly damp cloth, wiping in the direction of the grain.
- Avoid scrubbing or applying heavy pressure, which will force materials into the perforations.
- To remove smudges or surface debris, mix a mild detergent such as a mild dish soap with warm water and gently wipe the surface. Frequently turn the cloth over until the material is removed. Wipe with a dry lint-free cloth to restore sheen.
- To remove heavy accumulations of dirt, use a mild, wood-friendly cleaner.

3. DAMAGED FINISH

If the panel finish has been scuffed, scratched or damaged please contact Navy Island for instructions specific to the panel's particular finish or condition.

4. DAMAGE TO EDGEBANDING OR SPLINE

Edgebanding or spline material that has been damaged is difficult to repair and should be replaced by a carpenter familiar with the fabrication of the panels. Contact Navy Island before attempting to re-glue or replace the damaged materials.



PANEL MODIFICATIONS

EDGEBOARDING AND CUTTING OF SOUNDPLY™

These guidelines are intended to assist the installer with the recommended installation and to avoid common errors. Navy Island, does not bear responsibility for installer selection or improper and unadvised installation. We recommend choosing an installer that has experience working with high quality millwork and wood panels.

1. PANEL CUTTING AND MODIFICATION

Handle panels with care and use a protective cushion when cutting. Use of a template or guide will aid in cutting and protect the veneer edges. The following tools are recommended for cutting and machining:

- Table saw with a sharp carbide tooth blade (cut face up).
- Miter saw with a sharp carbide tooth blade (cut face up).
- Jig saw with medium tooth blade (cut face down).
- Hole saw (cut face up).

Do NOT use a drywall router or roto zip.

2. EDGEBOARDING

Edgebanding solid or acoustical panels is necessary when trimming panels to fit restricted locations such as the edge of walls and ceilings or around wall or ceiling fixtures or projections. Please ensure that any panels cut are done so as per Install Instructions in the approved shop drawings.

3. MATERIALS NEEDED

- Self-adhesive edgebanding (allow for overhang on each panel edge).
- Clothing iron and cotton (or flannel) insulating cloth.
- Hand held flush trimming tool (or router with flush cutting bit).
- Sanding block and sandpaper.
- If panels are *SOUNDPLY RF* Acoustical Panels: SP5 Edge Hardener (supplied by Navy Island).

4. APPLICATION

For edge hardening instruction on *SoundPly RF* acoustical panels, see *Edgebanding Preparation Instructions* that come with the SP5 Edge Hardener.

When applying edgebanding by hand:

- Use a scissors to cut the banding approx 1" longer than the length of the panel receiving the banding.
- Set the iron to "medium" or "cotton."
- Hold the panel edge to be banded up so that the iron is horizontal.
 - If using pre-finished edgebanding, use a cotton cloth over the banding to prevent damage to the finish.
- Start at one end of the banded edge and work the iron slowly across the banding.
 - Keep the iron moving to avoid burning the banding.
 - A small bead of adhesive is visible once it starts to activate.
- To ensure a good bond follow the iron with a block of wood.
- Apply pressure until the adhesive hardens.
- If the banding edge lifts, use a block of wood at an angle to press the edge back in place.
- Trim the face and edges back with the flush trimming tool or flush cutting router bit, working the tool with the direction of the grain to avoid tear-out.
- Lightly sand the corners and top and bottom edges of the panel banding to eliminate excess adhesive.
- If using unfinished banding, it can now be stained and finished.

When using a hot melt edgebander:

- Ensure the tension on the top pressure rollers is reduced to prevent crushing the panel.
- Reduce or deactivate the end trim saw activators to prevent crushing the edge.



WARRANTY AND RECEIVING

SOUNDPLY™ WARRANTY AND RECEIVING

1. INSPECTION

- SoundPly acoustical panels are shipped with the bill of materials, plans, install instructions and shipping papers. It is recommended that the receiver retains a copy of these materials for their records.
- Please inspect all shipping containers for obvious freight damage **before accepting** and note any problems on the delivery ticket.
- Notify Navy Island of any concealed damage **within 5 business days** of receipt. Claims beyond 5 days will be honored at the discretion of Navy Island or the freight company.
- Please inform Navy Island of any panel discrepancies **prior to installation**. Do not install panels of unacceptable quality but instead contact your Navy Island representative immediately.

NOTE: Navy Island, Inc. is NOT responsible for installation or removal costs of unacceptable panels.

2. HANDLING AND STORAGE

- It is recommended to use clean gloves whenever handling SoundPly panels.
- Panels should be uncrated, unwrapped, inventoried and allowed to acclimatize prior to installation. AWI and CISCA recommend 72 hours.
 - Store on a flat surface.
 - Keep dry, clean, and free from dust and damage.
- Panels should be stored in a fully conditioned interior space ideally in or in close proximity to the installation space.
 - Keep out of direct sunlight.
 - Ideal temperature is between 50 F (10 C) and 86 F (30 C).
 - Relative humidity must be between 25% and 55%.
- Protect the micro-perforated surface and panel finish when handling.
 - Do not slide anything across the face of the panels.
 - Do not allow materials that can be embedded in the perforations to come in contact with the face of the panels.

3. WARRANTY

Navy Island SoundPly products are warranted to be free of defects in manufacture and workmanship for a period of **one (1) year** from date of delivery and are subject to the following conditions:

- To maintain warranty, SoundPly materials must be handled and stored as described above.
- SoundPly materials were installed or modified per written instructions or shop drawings.
- SoundPly material stored for more than 90 days may void warranty unless previous arrangements are made with Navy Island.
- After the materials have been accepted by the purchaser, the natural variations in color, grain, and texture of wood veneer are not covered. This includes natural changes in color caused by exposure to UV from sunlight or artificial light sources after installation.
- Navy Island will not be responsible for damage caused during installation or improper storage.



WARRANTY AND RECEIVING

SOUNDPLY™ WARRANTY AND RECEIVING

3. WARRANTY (CONTINUED)

- The owner is responsible to maintain suitable climate conditions during the service life of the SoundPly products. Excessively dry or moist conditions causing any failure of the product (e.g. warping, twisting, and sagging) are not covered by this warranty. This includes air vents or heat sources directed on the product and rapid changes in the relative humidity due to HVAC equipment failure or intentional idling for weekends or after hours.
 - Ambient environmental temperatures must remain between 50 F (10 C) and 86 F (30 C).
 - Relative humidity levels must be maintained between 25% RH and 55% RH.
 - Tolerances
 - Panel width/length +- .062" (1/16")
 - Panel Thickness +- .031" (1/32")
 - Panel Squareness (squareness shall be determined by measuring the lengths of the diagonals)
 - Diagonals $\leq 59"$ +- .062" (1/16")
 - Diagonals $\geq 60"$ +- .125 (1/8")
 - Cupping (deviation from flatness)
 - Diagonals $\leq 59"$ +- .125 (1/8")
 - Diagonals $\geq 60"$ +- .187 (3/16")
 - Bowing (along edge)
 - Along length up to 24" +- .062" (1/16")
 - Along length 25" to 48" +- .125 (1/8")
 - Along length 49" to 96" +- .187 (3/16")
- **Action on any claim for Cupping or Bowing defects may be deferred at the option of Navy Island for a period not to exceed 12 months to permit conditioning of panels to temperature and humidity conditions.**

4. WARRANTY CLAIMS

Navy Island must be notified IN WRITING of any claim covered by this warranty. Do not rely on e-mails.

Send notification to:

Warranty Claim
Navy Island, Inc.
275 Marie Ave. East
West St. Paul, MN 55118

Once the claim has been confirmed and accepted by Navy Island, we will ship new replacement products of similar type and grade at our expense. Navy Island agrees to bear the reasonable expense of repairs, rework, finishing, and re-installation of such repairs. Rework, removal, and re-installation shall be preformed only after approval is obtained from Navy Island and the cost of such work has been determined. In the event the defect for which the panels are being rejected was apparent prior to installation, Navy Island is not obligated to pay removal and installation charges.

This written warranty constitutes the entire obligation of Navy Island.



WARRANTY AND RECEIVING

SOUNDPLY™ WARRANTY AND RECEIVING

5. NOTICE REQUIREMENT

- Since Navy Island cannot control the handling and exposure of SoundPly products after the order has left Navy Island's warehouse, the duty to inspect the shipment is imposed on the purchaser as a condition precedent to any claim under this warranty. An inspection must be made upon receipt of the goods and written notice of any claim must be received by Navy Island within 5 days of receipt of goods or discovery of manufacturing defects. No claim under this warranty shall be actionable unless the foregoing notice is given as set forth herein.

6. LIMITATIONS OF LIABILITY

- Navy Island shall not be liable for incidental, indirect or consequential damages arising from the manufacture, use or sale of these goods. This warranty gives you specific legal rights, and may also have other rights that vary from state to state. Navy Island's liability is expressly limited to the repair or replacement of non-conforming goods or the refund of the purchase price at the option of Navy Island.

Purchaser: _____

Project Name: _____ Project Owner: _____

Project address: _____

Signer: _____ Signed: _____

Navy Island Order Numbers: _____ Navy Island Product: _____

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

Project: Webster ISB Substitution Request Number: _____
From: Doug Mayhew
To: Melissa Pirtle stl-
cac@cannondesign.com Date: 4/14/2016
Re: _____ Contract For: _____

Specification Title: Fixed Sound-Absorptive
Wood Panels Description: _____
Section: 098413 Page: All Article/Paragraph: _____

Proposed Substitution: SoundPly RFM-25
Trade Name: SoundPly
Model No.: RFM-25
Manufacturer: SoundPly
Address: 275 Marie Avenue E., West St. Paul, MN 55118
Phone: 651-451-4454 Manufacturer Web Page: http://www.soundply.com

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

Savings to Owner for
accepting substitution: Unknown at this time. (\$ _____)

Proposed substitution
changes Contract Time: ☒ No ☐ Yes [Add] [Deduct] _____ days.

The Undersigned Bidding General Contractor/Construction Manager Certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified products.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

- The following supporting data is attached to this request and verifies the above statements:

- ☐ Drawings
- ☒ Product Data
- ☐ Samples
- ☐ Tests
- ☐ Reports

☒ Other (explain) Comparison of installation – furring will not be required to reach the specified NRC rating of .90.

Submitted by: Golterman & Sabo, Inc.

Signed by: Cyndi Walker

Contractor: _____

Address: _____

Phone: _____ Email: _____

Review and Action

- ☒ Substitution approved – Make submittals in accordance with the Specifications. 04.28.16
- ☐ Substitution approved as noted – Make submittals in accordance with the Specifications.
- ☐ Substitution rejected – Use specified materials.
- ☐ Substitution received too late – Use specified materials.

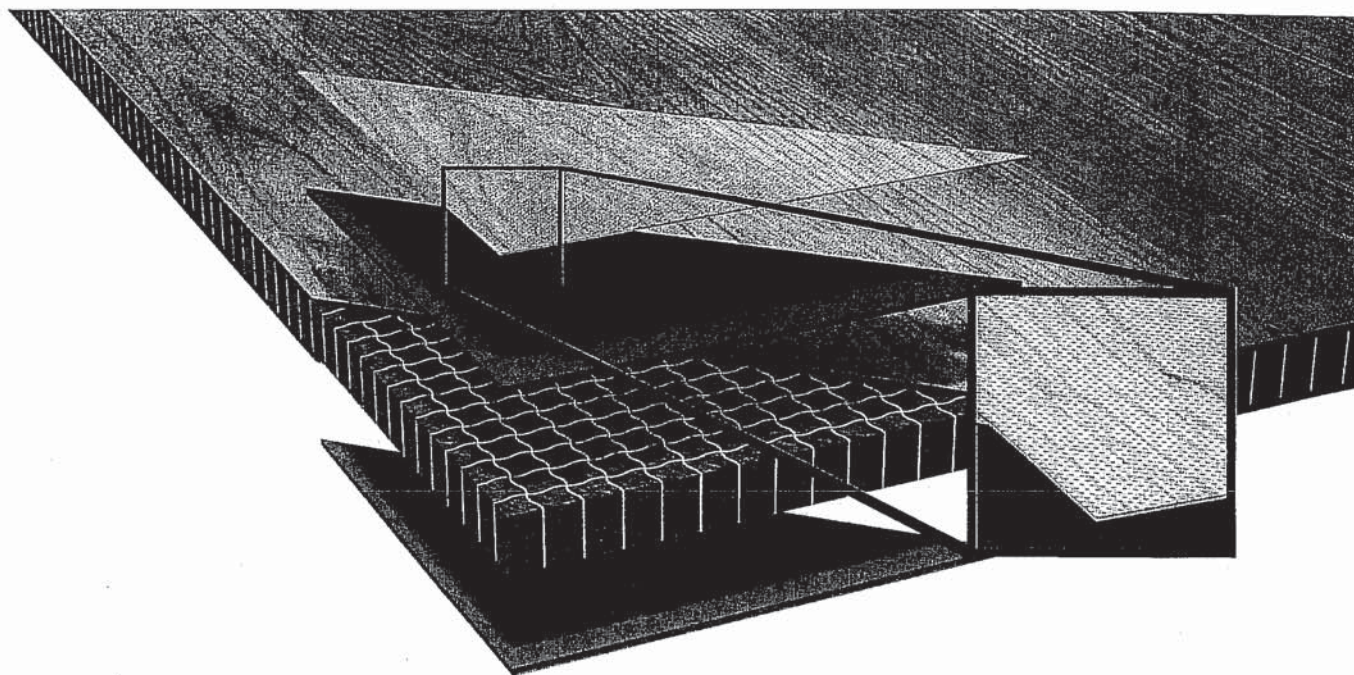
No action. Additional information is needed. sample received and substitution approved 04.28.16

Comments: please provide a physical sample for review. We have not seen this product in person. We would like to see a painted sample.
sample received and substitution approved 04.28.16

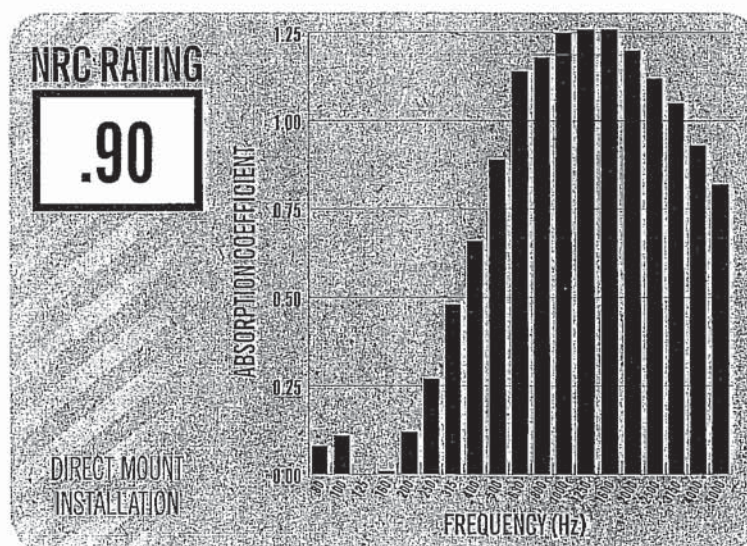
Signed by: Lynn Grossman Date: 04.28.16
04.,25.16

RFM-25

PATENTS PENDING



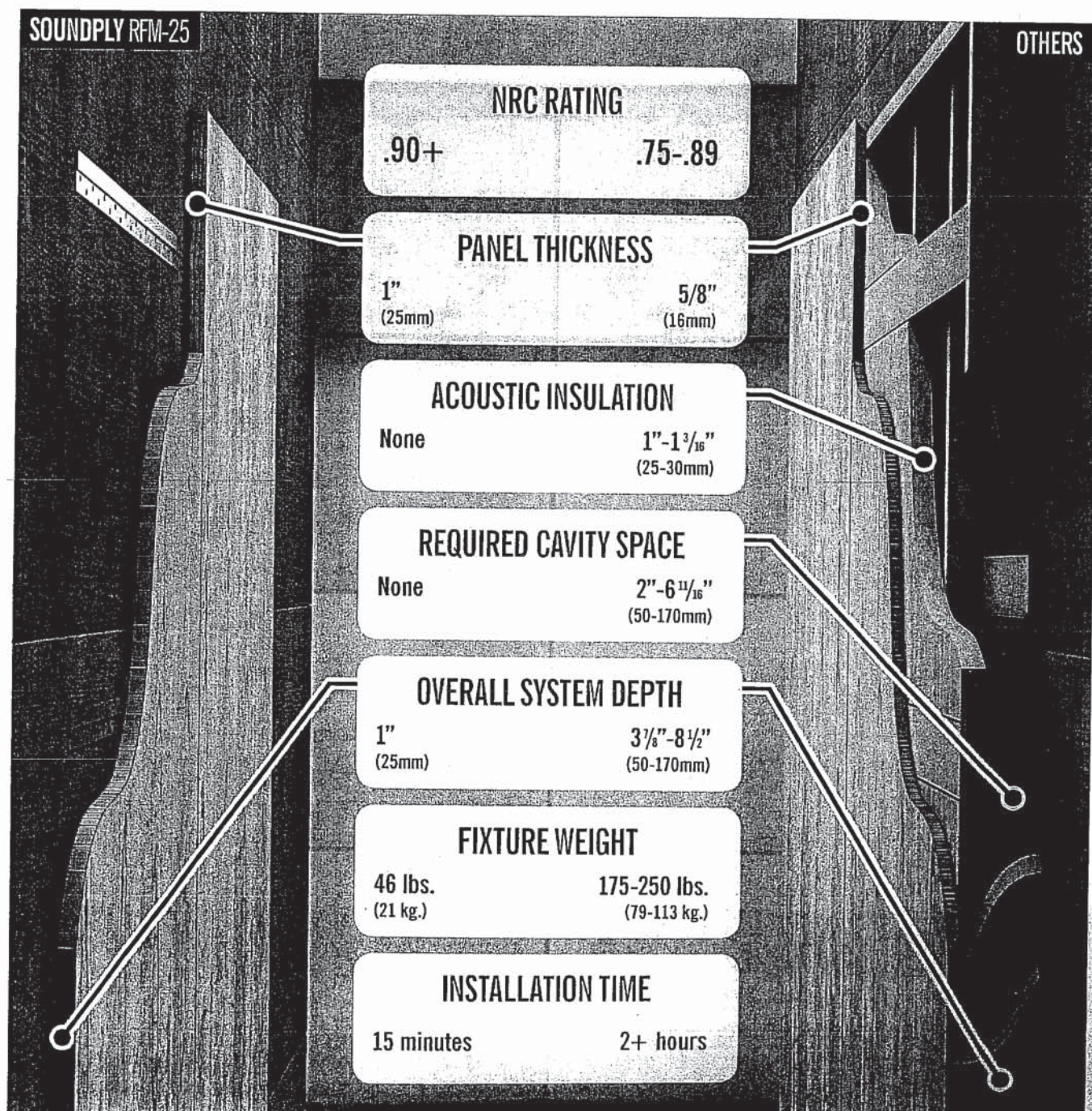
Maximum size	1549 mm x 3683 mm (61" x 145")	
Thickness	25 mm (1")	
Weight	7.03 kg / m ² (1.3 lbs / sq.ft.)	
Core	Sintered Resin-Reinforced Glass Wool	
Face OPTIONS	• Wood Veneer • Vinyl • High-Pressure Laminate • Paint	
PERFORATIONS	Surface Diameter:	0.5 mm
	Passage Diameter:	0.5 mm
	Passage Depth:	1.7 mm
	Pattern:	Offset
Fire rating	Class A (ASTM-E84)	
LEED CREDITS	EA 1 Optimized Energy Performance MR 4.1 & 4.2 Recycled Content Credit - Core 57% pre-consumer, 0% post-consumer. MR 7 Certified Wood - contact sales staff. EQ 4.4 Composite Wood (no added urea formaldehyde) EQ 7 & 7.1 Thermal Comfort EQ 9 Enhanced Acoustical Performance	



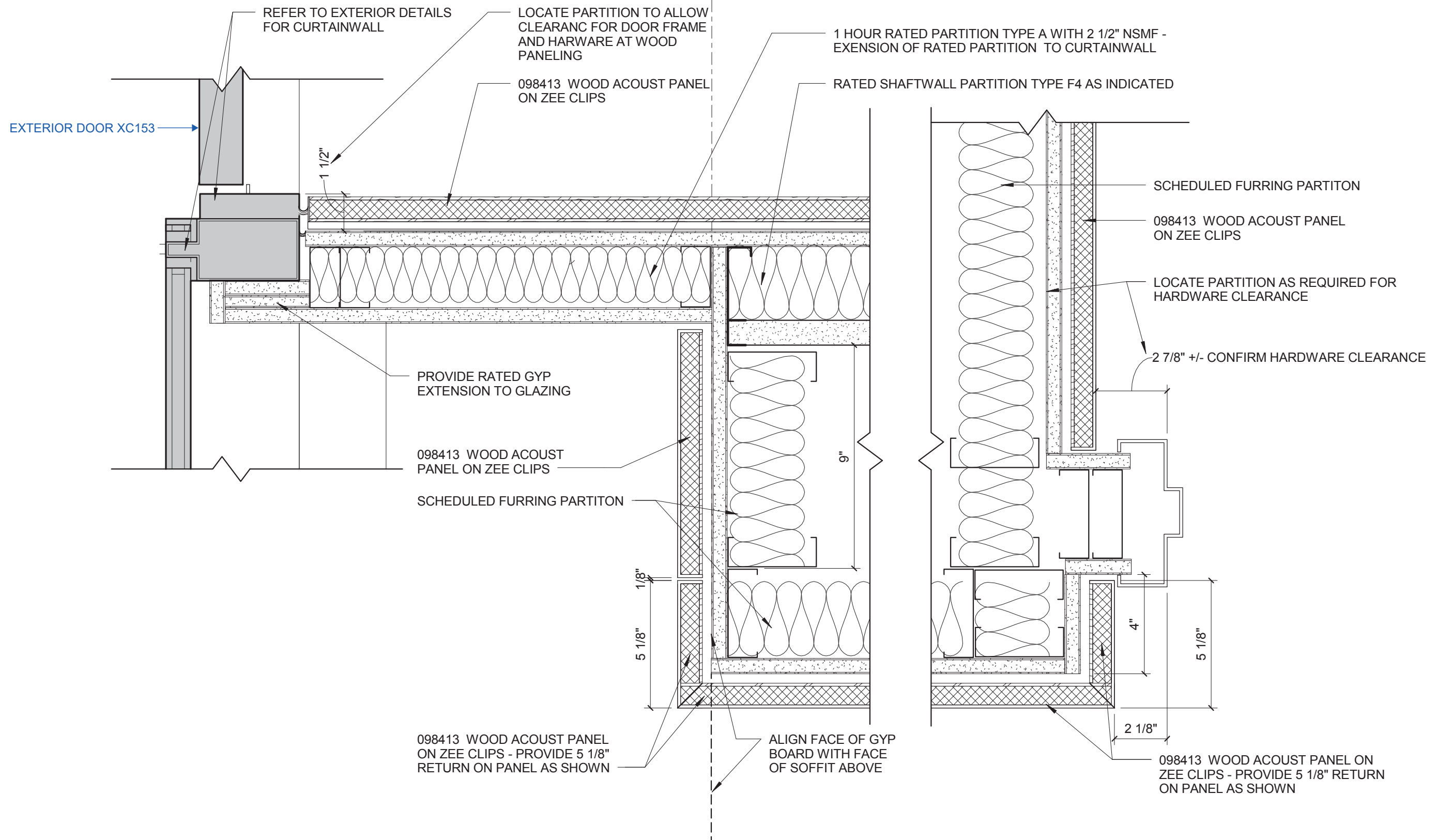
NRC/SAF TEST RESULTS AVAILABLE UPON REQUEST

COMPARISON OF ACOUSTIC PANEL INSTALLATIONS

In order to achieve their stated NRC values, other manufacturers' architectural acoustic panels typically require additional insulation and cavity space. Navy Island's SoundPly panels do not. SoundPly panels can be directly mounted to the wall, requiring no additional acoustic material or complex assemblies.



3



4

PLAN DETAIL AT EXTERIOR CURTAINWALL LECT HALL

3" = 1'-0"

SUPPLEMENTAL PLAN DETAIL



PARIC
EXPERIENCE. EXCELLENCE.

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0457

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 01/26/2017

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Soundply Sound Absorptive Wood Panel
Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		098413-001	1		01/26/2017	Soundply Sound Absorptive Wood Panel Shop Drawings	Submitted

NOTES:

CC:

Signed: _____
Devin Gates