

Interdisciplinary Science Building
Webster University
Cannon Design Project No. 004561.01

Project: Webster ISB Substitution Request Number: #03
From: Doug Mayhew
To: Melissa Pirtle stl-
cac@cannondesign.com Date: 4/7/2014
Re: Prior approval Request Contract For: _____

Specification Title: Fixes Sound Absorptive Wood Description: PRODUCTS
Section: 98413 : 2 Article/Paragraph: 2.1A

Proposed Substitution: WOODTRENDS -
Trade Name: STANDARD MICRO
Model No.: _____
Manufacturer: SOUNDSEAL
Address: 50 H.P. Almgren Drive
Agawam, MA 01001
Phone: 413-789-1770 Manufacturer Web Page: www.soundseal.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: _____ (\$ _____)

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.

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

- ☒ Drawings
- ☒ Product Data
- ☐ Samples
- ☐ Tests
- ☐ Reports
- ☐ Other (explain) _____

Submitted by: _____

Gaus + Associates Arch INTERIORS WBE

Signed by: _____

Patty Gaus

Contractor: _____

Address: _____

Phone: _____

314 219 5657 :

Email

patty@gausacoustics.com

Review and Action

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

Comments: _____

Product does not appear to meet acoustical requirements or appearance requirements.

Signed by: Lynn Grossman

Date: 05.13.16

WoodTrends Standard for Walls

SOUND ABSORPTION DATA Frequencies (Hz)							
Perforation % of openings	125	250	500	1000	2000	4000	NRC
7.2% open	0.29	0.58	0.55	0.51	0.48	0.53	0.55
18% open	0.33	0.34	1.15	1.08	0.55	0.53	0.80
24% open	0.27	0.81	0.78	0.95	0.96	0.93	0.90

* Acoustics is determined based upon % of opening in face of wood. Consult factory for availability.

STANDARD SPECIFICATIONS

SECTION 09570 - WOOD WALL PANELS

PART 1 - GENERAL

- 1.1 Scope - The work consists of furnishing all material, labor and accessories necessary to install WoodTrends Acoustical Wood Systems specified herein.
- 1.2 Delivery and Storage - All material shall be delivered in their original unopened cartons and stored in an enclosed area providing protection from damage and exposure to the elements. Prior to installation, panels shall be acclimated for 72 hours at the temperature and humidity conditions during installation and occupancy.

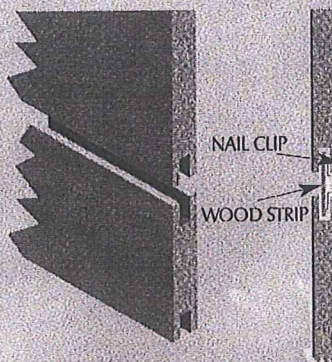
PART 2 - MATERIAL

- 2.1 Material
- 2.2 WoodTrends Acoustical Wood Systems as manufactured by Sound Seal, P.O. Box 545, Agawam, MA 01001.
Phone: 1-800-569-1294 Fax: 413-789-4444
- 2.3 Panels shall be WoodTrends Standard for Walls and be 16mm thick MDF with blind veneer backer, standard planks of 4.5", 7.5", 9.4", 11.4" x 95", 108", 119".
- 2.4 WoodTrends Standard panels shall be available in first quality select veneer from standard selection of 24 species, plus 40 additional species available with special staining and lacquering to match architects samples.
- 2.5 WoodTrends Standard panels shall be constructed using fire rated components meeting or exceeding the requirements of the ATSM E-84 Class _____ (A,B,C) Flame Spread: (A) 25 or less, (B) 26 to 75, (C) 76 to 200 Smoke Developed: 450 or less.
- 2.6 WoodTrends Standard panels shall have a minimum NRC rating of _____ with perforation pattern # _____, and an open area of _____%.
- 2.7 WoodTrends Standard panels shall be installed by means of nail clip on furring attached to wall substrate, with maximum nail clip spacing of 24".

PART 3 EXECUTION

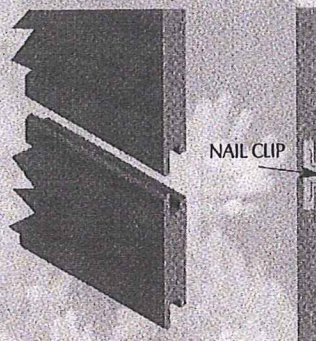
- 3.1 Installation
- 3.2 WoodTrends Standard panels shall be installed as shown on interior elevation drawings and indicated on room finish schedule.
- 3.3 WoodTrends Standard panel installation shall not begin until all wet work is completed and panels have been allowed to acclimate for 72 hours. The installation contractor shall have at least 5 years of successful experience in this class of work. All WoodTrends Standard panels shall be properly installed and free from dirt, dust, grease, oils and fingerprints by wiping clean the surface with furniture polish.

Mounting Detail



REVEAL EDGE

- Uses real wood strip to hide nail clip
- All four edges finished
- 10 mm groove between planks
- Standard planks 4.5", 7.5", 9.4", 11.4" x 95", 108", 119"
- Custom sizes available



FLUSH EDGE

- No wood strip between planks required
- No need for finished edges
- 2 mm bevel defines seam between planks
- Standard planks 4.5", 7.5", 9.4", 11.4" x 95", 108", 119"
- Custom sizes available

Typical Veneer Selection

Alzalia	Conga Walnut
African Oak	Elm
American Oak	European Oak
Anigre	Koto
Ash	Khaya Mahogany
Beech Steamed	Maple
Beech Unsteamed	Oregon Pine
Birds-Eye Maple	Padouk
Black Walnut	Pear
Carolina Pine	Rosewood
Cedar	Sapele Mahogany
Cherry	Teak

Other veneers available upon request.

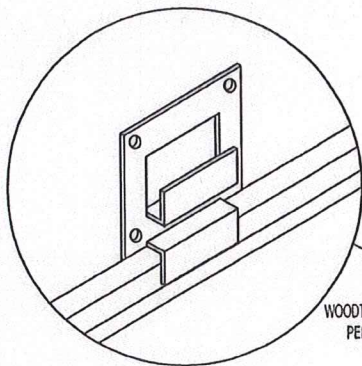
For more information on WoodTrends products, please call us at 1-800-569-1294, or visit us online at: www.wood-trends.com.



50 H.P. Almgren Drive
Agawam, MA 01001

Phone: (413) 789-1770
Toll Free: 1-800-569-1294

Fax: (413) 789-4444
email: woodtrends@soundseal.com
www.wood-trends.com



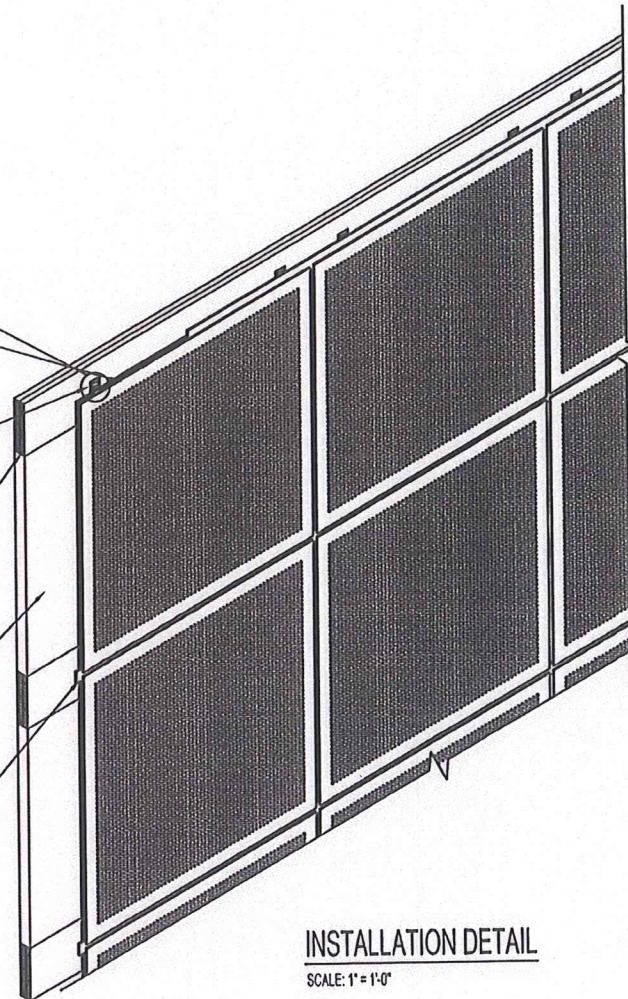
WOODTRENDS STANDARD
PERFORATED PANELS

NAIL CLIP

2 LAYERS 1/2"x4" PLYWOOD FURRING
MOUNTED HORIZONTALLY @ 24" O.C.
(TO ALIGN WITH PANEL JOINTS)

1" 6LB FIBERGLASS BOARD

WOOD STRIP BETWEEN PANELS



INSTALLATION DETAIL

SCALE: 1" = 1'-0"

REV	REASON	DATE

SOUND SEAL®
50 HP ALUMINUM DRIVE AGAWAM, MA 01001
PH: (413) 785-1770 FAX: (413) 785-4444



SCALE VARIES

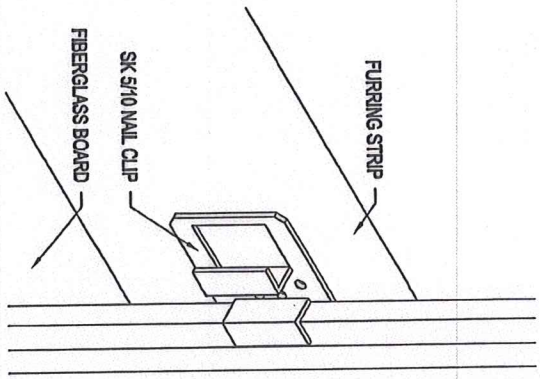
JOB NUMBER

SHEET

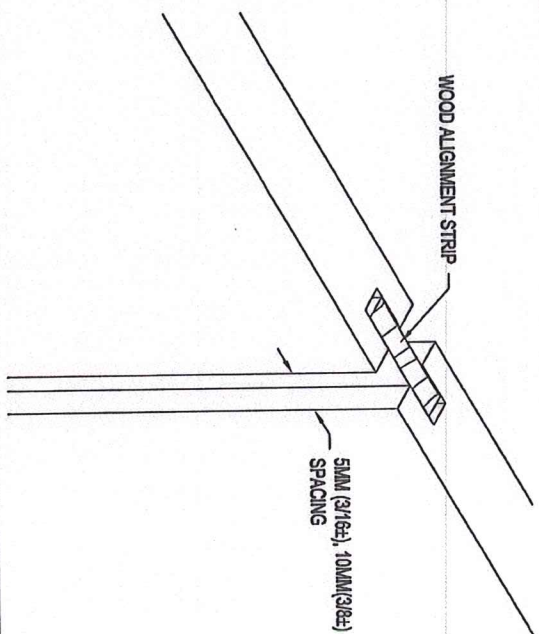
DRAWN BY:
KS

DATE
07/28/04

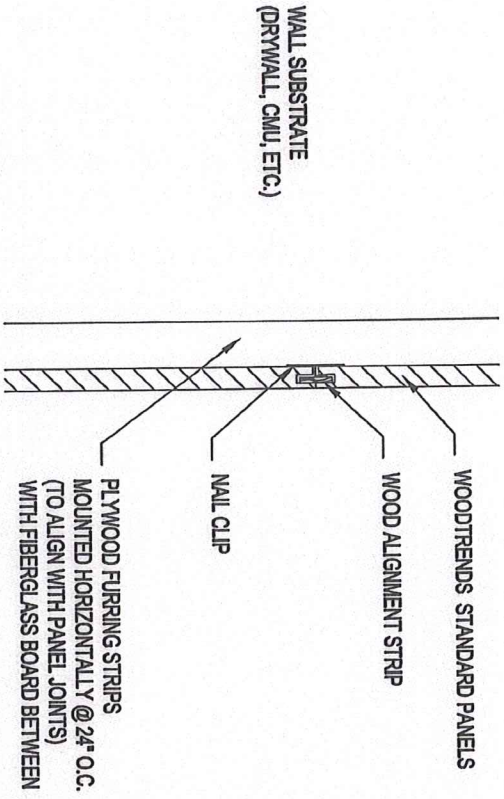
DETAIL C



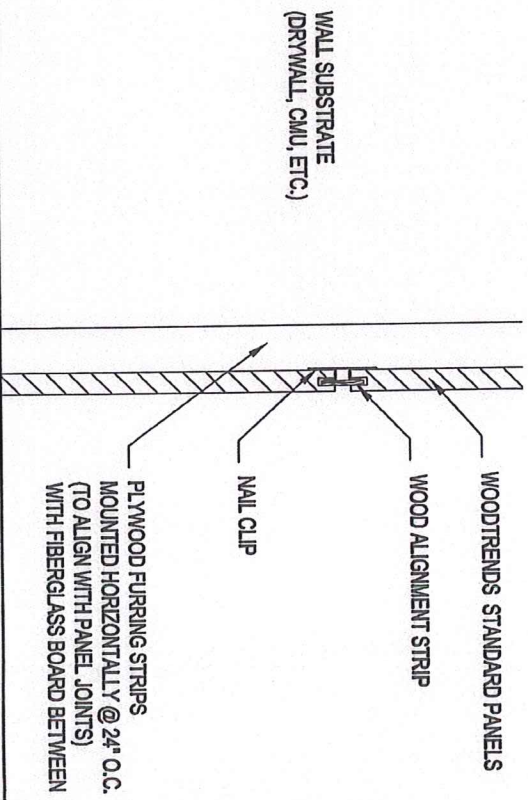
DETAIL D



DETAIL E



DETAIL E-1

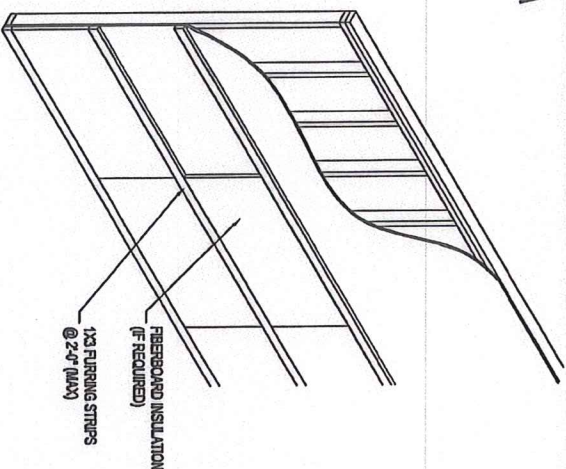


WoodTrends Standard Installation Guidelines for Walls

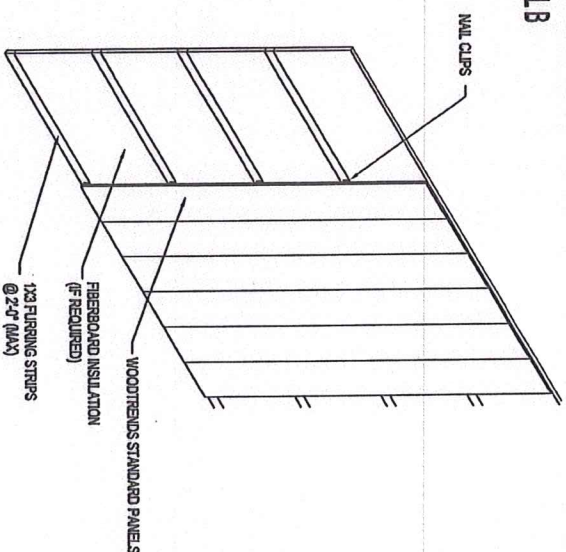
STOP PLEASE READ THIS FIRST

1. Determine the desired direction of the panels and the panels layout.
2. Install furring strips according to architect's specifications. Furring strips will always be perpendicular to the panel length. If a horizontal installation of the panels is desired, the furring strips are to be installed vertically. If a vertical installation of the panels is desired, the furring strips are to be installed horizontally (see detail A). Furring strips are to be installed 2'-0" on center (max). Choose thickness of strips to allow for the thickness, if any, of insulation to be installed behind panels.
3. Check studs for any layout difficulties, i.e. windows, doors, etc. Adjust layout to maintain panel width.
4. Install panels using nail clips (see detail C) 2'-0" on center (max) and alignment strips (see detail D) between panels (length). Panels are to be installed end to end and use alignment clips between the ends of the panels to ensure proper alignment of panels.
5. Field cut any panels that need to be adjusted for length or width. Use a quality power saw with a thin beveled blade with 60 beech or better.
6. After installation is complete, wipe down panels with a dust free dusting cloth sprayed with a non abrasive household cleaning agent.
7. For cleaning, maintenance or removing fingerprints, wipe panels with lemon oil and buff with hand.

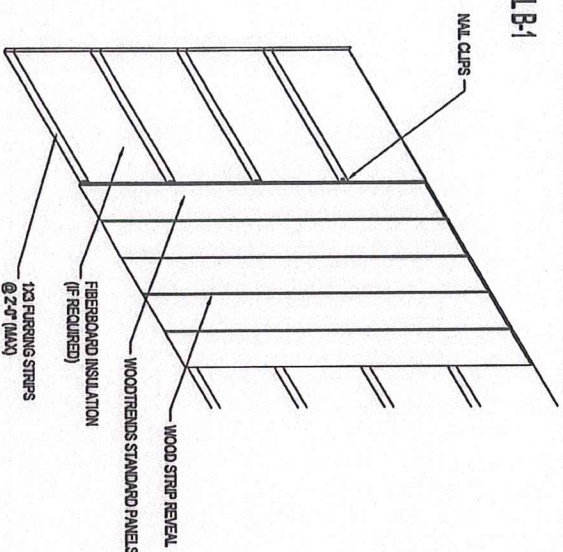
DETAIL A



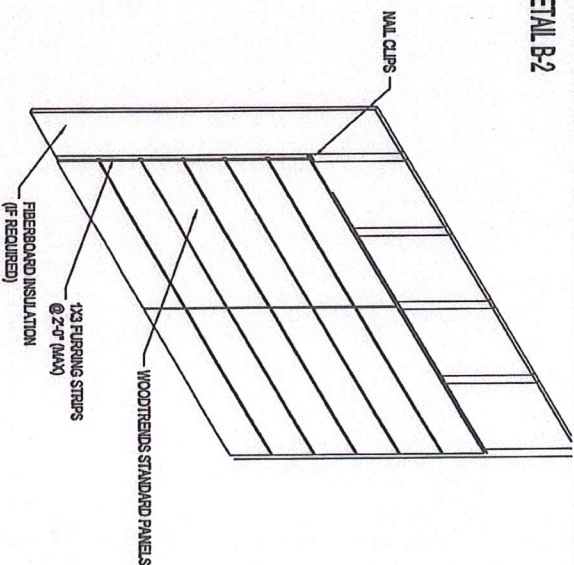
DETAIL B



DETAIL B-1



DETAIL B-2



SOUND SEAL™ 50 HP ALLEGHEN DRIVE
P.O. BOX 545
AGAWAM, MA 01001