
CONTRACT ADDENDUM

date:	05/02/2022
project:	LCSD ECC – Pre-school Addition
by:	Stephen Williams
subject:	Addendum 03

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the work as consistent with the Contract Documents and return a copy to the Architect.

0 - Specifications:

- AD3.01 Section 07 2501 – RAINSCREEN DRAINAGE MAT
1. “Related Sections” added to the spec to include the following:
 - a. Section 07 4643 – COMPOSITE SIDING

- AD3.02 Section 07 4213.23 – METAL COMPOSITE MATERIAL WALL PANELS
1. *DELETE SECTION*

1 - General Sheets:

(None)

2 – Civil Sheets:

(None)

3 – Landscape Sheets:

(None)

4 – Structural Sheets:

(None)

5 – Architectural Sheets:

- AD3.03 A-611 WALL TYPES
1. Wall Type EP6-WP
 - a. “WEATHER BARRIER” replaced with “RAINSCREEN DRAINAGE MAT” to coincide with specification.
 2. Wall Type EW6-WP
 - a. “WEATHER BARRIER” replaced with “RAINSCREEN DRAINAGE MAT” to coincide with specification.

6 – Mechanical Sheets:

(None)

7 – Electrical Sheets:

- AD3.04 *See attached electrical narrative regarding Fire Alarm Control Panel (FACP)*

Attachments:

07 2501 – RAINSCREEN DRAINAGE MAT
07 4643 – COMPOSITE SIDING
A-611 WALL TYPES
Electrical Narrative

END OF ADDENDUM 03

Stephen Williams 5.2.2022

ISSUED BY Date
Architect

ACCEPTED BY Date
Contractor

**SECTION 07 2501
RAINSCREEN DRAINAGE MAT**

PART 1 GENERAL

1.01 SUMMARY:

- A. Section Includes: WaterWay Rainscreen Drainage Mat for Use in Sidewall Construction
- B. Related Sections:
 - 1. Division 6 Section: Rough Carpentry (06 10 00) Finish Carpentry (06 20 00)
 - 2. Division 6 Section: Sheathing (06 16 00)
 - 3. Division 7 Section: 07 4643 - Composite Siding

1.02 SUBMITTALS:

- A. General: Provide submittals in accordance with Conditions of the Contract and Division 1 Submittal Procedures.
- B. Product Data: Submit manufacturer's product data sheets
- C. Details: Manufacturers detail drawings
- D. Samples: Submit minimum 6" x 6" samples for selection and/or verification.
- E. Warranty: Provide manufacturers sample warranty.

1.03 QUALITY ASSURANCE:

- A. Installer: Installer shall have no less than three years of experience with products similar to those specified.

1.04 DELIVERY, STORAGE & HANDLING:

- A. General: Comply with Division 1 Product Requirement Section
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged rolls / pallets with identification labels intact and clearly visible
- C. Storage and Protection: Store materials protected from rain, direct sun light and exposure to harmful conditions. Extreme cold temperatures will result in firm material, store at temperatures above 40 degrees (if possible).
 - 1. Boat Test ASTM D-779-03:
 - 2. H2O Vapor Transfer in 12 Minutes
 - 3. 96 Hours No Water Passed Through Membrane
 - 4. Water Vapor Transmission Test: ASTM E-96: Perm Rating Exceeds 247
 - 5. Hydrostatic Pressure Test - AATCC 127: 10cm / 18 hours
 - 6. Acceptance Criteria AC-38 / Water Resistive Barriers: Passes section 4.2.2 Ponding Water Test

1.05 WARRANTY:

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official.

PART 2 PRODUCTS

2.01 RAINSCREEN DRAINAGE MAT:

- A. Basis of D: Stuc-O-Flex International, Inc.
 - 1. Contact: 17639 NE 67th Court, Redmond, WA 98052, phone: 800-305-1045; fax: 425-869-0107; E-mail: techservice@stucoflex.com; website: www.stucoflex.com
- B. Rainscreen Drainage Mat with Moisture resistant filter fabric including the following:
- C. Filter Fabric shall meet minimum performance criteria outlined below:
 - 1. Performance Testing:
 - 2. Boat Test ASTM D-779-03:
 - a. H2O Vapor Transfer in 12 Minutes

- b. 96 Hours No Water Passed Through Membrane
 - 3. Water Vapor Transmission Test: ASTM E-96: Perm Rating Exceeds 247
 - 4. Hydrostatic Pressure Test - AATCC 127: 10cm / 18 hours
 - 5. Acceptance Criteria AC-38 / Water Resistive Barriers: Passes section 4.2.2 Ponding Water Test
- D. WaterWay 3mm
- 1. WaterWay 3mm is a nominal 1/8 inch / 3mm thick drainage product consisting of a polymer core of fused entangled filaments with a moisture resistant filter fabric bonded to the outer surface. WaterWay 3mm is designed for use with manufactured and natural stone, traditional and one coat stucco, EIFS, fiber-cement and wood based sidings, masonry, metal and other wall cladding materials. This rainscreen product provides an uninterrupted drainage path & ventilation for incidental moisture between exterior finish materials and wall sheathing.
 - 2. Core Material: Extruded Polymer Matrix.
 - 3. Fabric Material: Non-Woven Polypropylene Fiber
 - 4. Length: 37' (12.3m).
 - a. Thickness: 0.125" (3.0mm).
 - b. Weight: 13 lb. / roll. 9.53 kg / roll
 - c. Footage per Roll: 180 sq. ft. / 16.7 sq. meters

2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: APermitted.

2.03 ACCESSORIES

- A. Provide the following accessories:
 - 1. Self adhering flashing
 - a. Material: Therm-Flash / Butyl with reinforced foil film
 - b. Manufacturer: Stuc-O-Flex International, Inc.
 - c. Size: Nominal 20 mils by 4, 6, 9, & 12 inch by 100 foot rolls
 - 2. Fasteners:
 - a. Type: Galvanized Roofing Nails
 - b. Material: Corrosion protected steel
 - c. Size: Suitable for project application

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Comply with the instructions and recommendations of the manufacturer.

3.02 EXAMINATION

- A. Site Verification of Conditions
- B. Verify that site conditions are acceptable and do not begin installation until substrates have been properly prepared.
 - 1. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding
 - 2. Do not proceed with installation until unacceptable conditions are corrected.

3.03 INSTALLATION

- A. Install sidewall sheathing material Gypsum sheathing, Oriented strand board, Plywood, and/ or Foam board over framing.
- B. Install Rainscreen Drainage mat.
 - 1. For horizontal application, work from bottom to top (For vertical applications work from a corner Wrap the building completely, butting tightly to all door and window casings, stopping at all wall ends. Install Drainage mat so that it lies flat against the wall /substrate.
 - 2. If wall is designed as a venting wall, ends should be terminated at a furring strip of matching thickness to prevent air movement to adjoining wall.

3. At all window and door openings, cut tight to vertical part of window, door casings. Take care not to cut or damage waterproofing and weather barrier.
4. If finish cladding is Stucco, EIFS, TAFS or Cultured Stone Veneer, at the bottom of the mat, place a foundation weep screed, a "J" weep hole termination bar or flashing with weeps. Weather barrier and mat should be placed over top of the back piece of the weep screed, termination bar or flashing to create the proper shingle and water management.
5. For other finish cladding, attach a 6" wide piece of insect screen material continuously along the bottom edge of the Drainage mat, 3" above bottom edge of the Drainage mat. Fold over outward facing surface of installed Drainage mat. Attach with a large head nail to hold screen in place until cladding is applied. For top vented walls follow a similar procedure at the top of the Drainage mat.
6. If wall is designed as a venting wall, at wall terminations, place a wood termination strip along the outside edge of each wall to create a wind dam for negative wind load.
7. Refer to manufacturers "Installation Guide for Flashing Windows / Doors" for additional detailing recommendations and instruction. YouTube "rainscreen stucco assembly" for general overview
8. Install specified siding or cladding directly over WaterWay Rainscreen Mat in compliance with manufacturer's installation instructions.
9. NOTE: Maximum exposure of WaterWay Rainscreen shall not exceed 30 days, prior to cladding installation.

3.04 PROTECTION

- A. Protect installed work from damage due to subsequent construction activity on the site.

END OF SECTION 07 2501

**SECTION 07 4643
COMPOSITE SIDING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Composite cladding.

1.02 RELATED SECTIONS

- A. Section 06 1000 - Rough Carpentry.
- B. Section 07 2501 - Rainscreen Drainage Mat

1.03 REFERENCES

- A. ASTM International (ASTM):
 1. ASTM D143 - Standard Test Methods for Small Clear Specimens of Timber.
 2. ASTM D198 - Standard Test Methods of Static Tests of Lumber in Structural Sizes.
 3. ASTM D1037 - Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials.
 4. ASTM D1761 - Standard Test Methods for Mechanical Fasteners in Wood.
 5. ASTM D1413 - Standard Test Method for Wood Preservatives by Laboratory Soil-Block Cultures.
 6. ASTM D4761 - Standard Test Methods for Mechanical Properties of Lumber and Wood-Based Structural Materials.
 7. ASTM D7031 - Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products, ASTM International.
 8. ASTM D7032 - Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails).
 9. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 10. ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
- B. American Iron and Steel Institute (AISI):
 1. AISI S100 -NDS North American Specification for the Design of Cold Formed Steel Structural Members
- C. American Wood Protection Association (AWPA):
 1. AWPA E1 - Laboratory Methods for Evaluating the Termite Resistance of Wood-based Materials: Choice and No-choice Tests.
- D. Florida Building Code (FBC).
- E. International Building Code (IBC).
- F. Intertek - Nationally Recognized Testing Facility.
 1. Code compliance Research Report: CCRR-0325

1.04 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
- C. Shop Drawings: Plans and details include layout, spacing, and sizes of cladding.
- D. Verification Samples: For each product specified, two samples, representing actual product color, size, and finish.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years' experience manufacturing similar products.

- B. Installer Qualifications: Minimum 2 years' experience installing similar products.

1.06 PRE-INSTALLATION MEETINGS

- A. Convene minimum two weeks prior to starting work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Store products on a flat and level surface. Adjust support blocks accordingly.
- C. Support bundles on supplied dunnage.
- D. When stacking bundles, supports should start approximately 8 inches (203 mm) from each end and be spaced approximately 2 feet (610 mm) on center. Supports shall line up vertically/perpendicular to the decking product.
- E. Do not stack cladding more than 14 bundles.
- F. Keep material covered using the provided bundle cover until time of installation.
- G. Handle materials to avoid damage.

1.08 PROJECT CONDITIONS

- A. Maintain environmental conditions, temperature, humidity, and ventilation within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.09 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 WARRANTY

- A. Residential and Commercial Applications: Warranty Period: 25 years.
 - 1. Transcend Product used as Outdoor Cladding: Manufacturer warrants against rot, decay, splitting, checking, splintering, fungal damage, and termite damage.
 - 2. Trex Fade and Stain Warranty: Manufacturer warrants against food staining and fading beyond 5 Delta E (CIE units) for residential and commercial applications.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Acceptable Manufacturer: Trex Company Incorporated, which is located at: 160 Exeter Dr.; Winchester, VA 22603-8605; Toll Free Tel: 800-BUY-TREX; Tel: 540-542-6300; Fax: 540-542-6890; Email: request info (marketing@trex.com); Web: <https://www.trex.com>
- B. Substitutions: Not permitted.

2.02 COMPOSITE CLADDING

- A. Design and Performance Requirements:
 - 1. Fire-Surface Burning Characteristics per ASTM E84.
 - 2. Code Compliance:
 - a. International Building Code (IBC) - 2015 and 2018.
 - b. Intertek Research Report: No. CCRR-0325. Proof of code compliance.
 - 1) Tested to ASTM D7032-14.
 - 2) Tested to ASTM E330-14.
 - 3) Tested to ASTM E84-16.
 - 4) Tested to NDS-2018.
 - 5) Tested to AISI S100-16
- B. Wood-Plastic Composite Lumber (WPC):
 - 1. Basis of Design: Trex Transcend Open-Joint Cladding as manufactured by Trex Company, Incorporated.

2. Features:
 - a. Polymer Shellstock: covers 3 sides of the board and is embossed with a wood-like natural finish.
 - b. Impact, scratch, and fade resistant.
 - c. Needs no Seasonal Treating:
 - 1) Low-maintenance means lower life-cycle costs.
 - 2) No sanding or sealing required.
 - 3) Less hassle; cleans easily.
 - d. Stands up Against the Elements:
 - 1) Tested to withstand hurricane-force winds, sun, sleet and snow.
 - 2) Won't rot, fade or stain.
 - 3) Count on the same board color over the life of the product.
 - 4) Insect-proof.
 - e. Eco-Friendly:
 - 1) No trees have ever been cut down to make Trex decking
 - 2) Saves 500 million plus pounds of plastic film and wood from landfills annually.
 - 3) Earn LEED points.
3. Material Description: Composite cladding of 95 percent recycled extruded linear low density polyethylene (LLDPE) and recycled wood. Nominal dimensions as follows:
 - a. Profile (DxW): 1 x 5.5 inches (25 x 140 mm).
4. Physical and Mechanical Properties:
 - a. Flame Spread per ASTM E84:70.
 - b. Thermal Expansion per ASTM D1037: 0.000019 inch/inch/degree F.
 - c. Moisture Absorption per ASTM D1037: Less than 1 percent.
 - d. Screw Withdrawal per ASTM D1761: 588 lbs/in.
 - e. Fungus Resistance per ASTM D1413: Rating - no decay.
 - f. Termite Resistance, AWPA E1-72: Rating = 9.6.
 - g. Compression Parallel per ASTM D198: 1588 psi ultimate, 540 psi design.
 - h. Compression Perpendicular per ASTM D143: 1437 psi ultimate, 540 psi design.
 - i. Bending Strength per ASTM D198: 3280 psi ultimate, 500 psi design.
 - j. Shear Strength per ASTM D143: 1761 psi ultimate, 360 psi design.
 - k. Modulus of Elasticity per ASTM D4761: 412,000 psi ultimate, 200,000 psi design.
 - l. Modulus of Rupture per ASTM D4761: 3280 psi ultimate, 500 psi design.
 - m. Ultimate strength values are not meant for design analysis. Design values are for temperatures up to 125 degree F (52 degree C).
- C. Composite Decking (Transcend) Color:
 1. Color: As indicated on drawings.
- D. Hardware:
 1. Screws: Manufactured and sold by Starborn Industries, Inc.
 - a. Cladding Attachment to Wood Furring Strips:
 - 1) Starborn Cap-Tor xd Epoxy Coated and Headcote 305 Stainless, 2 inch (51 mm) long.
 - 2) Starborn Deckfast Fascia System - Epoxy Coated and Headcote 305 Stainless.
 - 3) Starborn Pro Plug System for PVC and Composite; Epoxy Coated and 305 or 316 Stainless, 2 inch (51 mm long).
 - b. Cladding Attachment to Steel Furring Strips:
 - 1) Starborn Pro Plug System for PVC and Composite for Metal Framing; 410SS, self-drilling.
 - 2) Starborn Deckfast Metal 410SS with Epoxy Coating.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.

- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. A copy of the manufacturer's instructions must be available to installers on the jobsite during installation.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions, applicable codes, and Intertek Research Report No. CCR-0325, approved submittals, and in proper relationship with adjacent construction.
- B. Cut, drill, and rout using carbide tipped blades.
- C. Do not use composite wood material for structural applications

3.04 CLEANING

- A. Cleaning as required by manufacturer for warranty compliance.

3.05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 07 4643

SINE SOURCE ENGINEERING

95 W Golf Course Road, Suite 102, Logan, UT 84321

office: (435) 787-1445 . fax: 1-877-207-3199

www.sinesource.net

ADDENDUM

LOGAN CITY SCHOOL DISTRICT
EARLY CHILDHOOD CENTER ADDITION
DIVISIONS 26, 27, AND 28
5/2/2022

1. Drawings note to remove the existing Simplex fire alarm system and replace/expand with Notifier. Owner has determined that they prefer to expand the existing Simplex system. Revise all references to replacing Notifier system with the following requirements:
 - A. Integrate new fire alarm devices into Simplex system
 - B. Upgrade existing Simplex system as required, including, but not limited to, panel upgrade, battery upgrades, programming, etc., to accommodate all new devices.

