

ADDENDUM TO RFP DOCUMENTS

 The logo for Solano Community College features a green tree silhouette within a blue semi-circular arch. Below the arch, the word "SOLANO" is written in a large, blue, serif font. Underneath "SOLANO", the words "COMMUNITY COLLEGE" are written in a smaller, blue, sans-serif font. At the bottom of the logo is a red square with a white triangle pointing to the right, followed by the word "KITCHELL" in a bold, blue, sans-serif font.	ADDENDUM #02
	Project: #16 - 001 Solano Community College District Buildings 1600, 1800A and 1900 Re-Roofing Project
	Date: October 2, 2015

The following clarifications are provided based on questions received or changes in District requirements and must be added/considered when completing your submittal: Acknowledgement of receipt of this **ADDENDUM** is required in the proposal's cover letter of introduction. Please clearly note the addendum date and number.

ITEM:

ITEM NO. 1 – ADDENDUM #01 CLARIFICATION

Replace description for '**ITEM NO. 6 – PLAN SHEET A2.2 – BUILDING 1900 EXISTING NEW CONSTRUCTION**' to read:

"Replace 'Plan Sheet A2.2' with attached revised 'Addendum – 1 Plan Sheet A2.2'.

Revisions include the following:

- ~~Revised note to delete demolition of existing roof from scope of work.~~ Existing roof to be demolished. New TPO roofing to be installed over new densdeck substrate over existing ~~roofing~~ plywood deck.
- Revised note to add densdeck substrate under new TPO roof.
- Added note for relocated roof access hatch location."

ITEM NO. 2 – PRODUCT SUBSTITUTION REQUEST

Per review of the comparison data and system performance letter provided, Carlisle Syntec Sure-Weld Roofing System is considered to be an equal to the specified Sealtite TPO. Please see attached for comparison data and system performance letter provided.



Friday, September 25, 2015

Mark Hronicek
Roofing Resources
7304 Amsterdam Ave.
Citrus Heights, CA 95621

**Re: Solano Community College
Fairfield, CA**

To Whom It May Concern,

As Confirmation, the proposed Sure-Weld Roofing System has been designed to meet the ASCE-7 uplift pressures, meets a UL Class A fire rating and is eligible for a 15-year Total System Warranty.

The ASCE 7-10 calculations were based upon an 18' building height, a 115-mph design wind speed, Exposure B and a Category III building. Carlisle SynTec does not practice engineering and recommends having a licensed structural engineer verify the following uplift pressures:

Field of the Roof= -14.3 psf; Perimeter of the Roof= -23.9 psf; Roof Corners= -36.0 psf

The assembly is as follows;

Deck:	1/2" thick, 5-ply plywood.
Cover Board:	Install 1/4" thick Dens Deck Prime mechanically fastened with 16 Carlisle fasteners and insulation plates per 4'x8' board.
Membrane:	Install 80-mil Sure-Weld TPO Membrane fully adhered with 1168 Low-VOC Bonding Adhesive.
Slope:	This assembly meets a UL Class A fire rating for slopes up to 3" in 12 inches.

Factory Mutual (FM) does not test assemblies over wood decks. However, the proposed roofing system has been designed to meet the ASCE 7-10 uplift pressures.

After completion of the installation, upon request, an inspection shall be conducted by a Field Service Representative of Carlisle to determine the membrane roofing system has been installed according to Carlisle's published specifications and details applicable at the time of bid. Upon final acceptance by Carlisle, a 15-year warranty with 55-mph peak-gust wind speed coverage can be issued. Only products purchased through Carlisle can be included in the warranty.

If you have any questions or require additional information, please contact our office.

Sincerely,

Scott A. Knoben
Design Analyst
Carlisle SynTec Systems



Advancement
of Construction
Technology

SUBSTITUTION REQUEST

The Construction Specifications Institute

TO: _____ ATTN: _____

PROJECT: Solano Community College CITY: Fairfield STATE: CA

SPECIFIED ITEM: 80-mil Seal Tite TPO

Section: 075310 Page: 5 Paragraph: 2.01 Description: Single Ply Roofing

PROPOSED SUBSTITUTION: Carlisle 80-mil Sure Weld TPO

1. Attached data includes product description, specifications, drawings, photographs, performance and test data adequate for evaluation of the request including identifying applicable data portions.
2. Attached data also includes a description of changes to Contract Documents that the proposed substitution required for its proper installation.

Undersigned certifies following items, unless modified by attachments, are correct:

1. Proposed substitution does not affect dimensions shown on drawing.
2. Undersigned pays for changes to building design, including engineering design, detailing, and construction costs caused by proposed substitution.
3. Proposed substitution has no adverse effect on other trades, construction schedule, or specified warranty requirements.
4. Maintenance and service parts available locally or readily obtainable for proposed substitution.

Undersigned further certifies function, appearance, and quality of proposed substitution as equivalent or superior to specified item.

Undersigned agrees, if this page is reproduced, terms and conditions for substitutions found in Bidding Documents apply to this proposed substitution.

Submitted by:

Mark E. Hroniczek
Name (Printed or typed)

General Contractor (if after award of contract)

Signature: _____

Roofing Resources
Firm Name

7304 Amsterdam Avenue
Address

Citrus Heights, CA 95621
City, State, Zip

Telephone: (916) 759-2377 Fax: (916) 723-3783

Date: September 29, 2015

For use by A/E	
<input type="checkbox"/> Approved	<input type="checkbox"/> Approved as noted
<input type="checkbox"/> Not Approved	<input type="checkbox"/> Received too late
By: _____	
Date: _____	
Remarks: _____	

Physical Property	ASTM D6878 Requirement	Carlisle Sure-Weld 80-mil EXTRA	Sealtite TPO
Tolerance on nominal thickness, % ASTM D751 test method	+15, -10	± 10	± 10
Thickness over scrim, in. (mm) ASTM D6878 optical method, average of 3 areas	0.012 min (0.305)	0.034 typ (0.864)	
Breaking strength, lbf (kN) ASTM D751 grab method	220 (976 N) min	350 (1.6) min 425 (1.9) typ	225 (1.0) min 340 (1.5) typ
Elongation break of reinforcement, % ASTM D751 grab method	15 min	15 min 25 typ	25 typ
Tearing strength, lbf (N) ASTM D751 proc. B 8 in. x 8 in.	55 (245) min	55 (245) min 130 (578) typ	55 (245) min 130 (578) typ
Brittleness point, °F (°C) ASTM D2137	-40 (-40) MAX	-40 (-40) max -50 (-46) typ	-40 (-40) max -50 (-46) typ
Linear dimensional change, % ASTM D1204, 6 hours at 158°F	± 1 max	± 1 max -0.2 typ	± 1 max -0.5 typ
Ozone Resistance, no cracks 7X ASTM D1149, 100 pphm, 168 hrs	PASS	PASS	PASS
Water absorption resistance, mass % ASTM D471 top surface only 166 hours at 158°F water	± 3.0 max	± 3.0 max 2.0 typ	± 4.0 max 2.0 typ
Factory seam strength, lbf/in (kN/m) ASTM D751 grab method	66 (290) min	66 (290) min	40 (7.0) min. 60 (10.5) typical ASTM 1876
Field seam strength, lbf/in (kN/m) ASTM D1876 tested in peel	No requirement	40 (7.0) min 70 (12.3) typ	40 (7.0) min 60 (10.5) typ
Water vapor permeance, Perms ASTM E96 proc. B	No requirement	0.10 max 0.05 typ	0.10 max 0.05 typ
Puncture resistance, lbf (kN) FTM 101C, method 2031	(*1) No requirement	400 (1.8) min 450 (2.0) typ	350lb (156 kg) .060
Properties after heat aging ASTM D573, 670 hours @ 240°F			
Breaking strength, % retained	90 min	90 min	PASS
Elongation reinf., % retained	90 min	90 min	PASS
Tearing Strength, % retained	60 min	60 min	PASS
Weight change, %	± 1.0 max	± 1.0 max	<0.1%
Typical Weights		0.40 lb/ft ² (2.0 kg/m ²)	

ENERGY STAR initial solar reflectance	Solar Spectrum Reflectometer	White 0.87	White 0.75 87 typical
ENERGY STAR initial solar reflectance after 3 years	Solar Spectrum Reflectometer (after cleaning)	White 0.83	
CRRC initial solar reflectance	ASTM C1549	White 0.79	
CRRC solar reflectance after 3 years	ASTM C1549 (uncleaned)	White 0.70	
CRRC initial thermal emittance	ASTM C1371	White 0.90	
CRRC thermal emittance after 3 years	ASTM C1371 (uncleaned)	White 0.86	
LEED thermal emittance	ASTM E408	White 0.95	White 0.92
SRI (Solar Refl ectance Index)	ASTM E1980	White 110	

*1 Sure-Weld reinforced TPO was tested for dynamic puncture resistance per ASTM D5635-04 using the most recently modified impact head. 80-mil EXTRA products were watertight after an impact energy of 30.0 J (22.1 ft-lbf).