

SECTION 01 60 00.01
REQUEST FOR SUBSTITUTION

SUBSTITUTION REQUEST NO. N/A

DATE: 12/14/2020

PROJECT NAME: San Bernardino City Unified School District-Pacific HS- Modification

PROJECT NUMBER: 1-78-21

TO: Juan Cantoran

FROM: Dudick, Inc.

We hereby submit for your consideration the following product comparisons of the specified product and the proposed substitution. The undersigned fully understands that failure to answer any item below may be cause for rejection of request for substitution. Request for substitution shall only be made during bidding (not later than 7 days prior to bid opening for inclusion by Addendum) except under conditions beyond control of Contractor.

Specified Product: Tneme-Glaze 281

Project Manual Section Title Fluid-Applied Flooring Number 096700 Page 096700-3 Paragraph 2.03

Drawing No. N/A Detail No. N/a

Proposed Substitution: Primer 67LV, Steri-Seal LE

Manufacturer: Dudick, Inc. Tel: 330-954-9629

A. Reason request for substitution is being submitted:

Dudick was not listed as a manufacturer for the Fluid Applied Flooring.

B. Does proposed substitution affect in any way the Structural Safety, Access Compliance, or Fire & Life Safety portions of the project? No X Yes _____

Explain _____

B. Does proposed substitution affect dimensions, gages, weights, etc. on Drawing?

No Yes _____

Explain _____

D. Does proposed substitution require changes in Drawings or design and installation changes? No Yes _____

(If yes, cost of these changes is the responsibility of the Contractor.)

E. Does proposed substitution affect product cost, delivery time, or construction schedule?

No Yes _____ Explain

F. Does proposed substitution comply with specified ICC Number, UL Rating, ASTM Numbers? No _____ Yes Explain
[Please see data sheets](#)

G. Does proposed substitution affect other trades and systems such as wiring, piping, ductwork, structure, etc.? No Yes _____ (Explain which and how)

If yes, has impact on their work been included in price of proposed substitution?

No _____ Yes _____

H. Does proposed substitution product guarantee differ from that of the specified product?

No Yes _____ Explain

If the substitution request is accepted, it will result in: No cost impact _____ credit of \$

_____.

Attach a listing of 3 projects (one in service for at least 3 years) using the proposed substitution.

Substantiating Data: Attach product data/brochures and Vendor qualifications for both specified and substitute product. Provide samples for both specified and substitute products, if applicable.

Certification: Undersigned has examined Construction Documents, is familiar with specified product, understands indicated application of product, and understands design intent of the Architect caused by the requested substitution.

Submitted by:

<u>Cealneeka C. Hicks</u>	<u>Cealneeka C. Hicks</u>	<u>12/14/2020</u>
(Type Name)	Signature	Date

Signature must be made by person having legal authority to bind his firm to the above terms.

Architect's Comments:

_____ Accepted, _____ accepted as noted, _____ not accepted, _____ received too late.

Reviewed by:

_____	_____
Architect	Date
_____	_____
Construction Manager	Date
_____	_____
District	Date

END OF SECTION

See forthcoming addendum.
Spec section 09 67 00 - Fluid-Applied Flooring no longer applies to project.

-Juan Cantoran, RCA
12/15/2020



Dudick inc.

Corporate Offices
1818 Miller Parkway
Streetsboro, OH 44241
330-562-1970
330-562-7638 FAX
www.dudick.com

PRIMER 67LV
LOW VOC
HIGH SOLIDS, MOISTURE TOLERANT
EPOXY PRIMER FOR STEEL AND
CONCRETE 3-4 MILS (0.1 mm)

FEATURES

Low VOC
Low Odor
User Friendly
Meets CDPH standard method version 1.2 test for low cured VOC's
Compliant with LEED 4.1
Meets SCAQMD Rule 1113 for VOC content

RECOMMENDED APPLICATIONS

Concrete Substrates
Steel Substrates
Primer for Epoxy Systems

PHYSICAL PROPERTIES

Tensile Strength 5,000 PSI
ASTM C-307
Tensile Elongation 20-25 %
ASTM D638
Adhesion to Concrete Cohesive Failure
ASTM D-7234 of concrete
Adhesion to Steel 2,200-2,500 PSI
ASTM D-4541
VOC Content 30-35 g/l
ASTM D-2369

SPECIFICATIONS

Primer shall be 3-4 mils thick, high solids epoxy cured with an amine hardener as manufactured by Dudick Inc. **Primer 67LV** shall be brush, roller or spray applied in accordance with the manufacturer's recommended practices.

PRIMER 67LV

Primer 67LV is designed to prevent abrasive blasted steel from developing rust bloom prior to the application of a Dudick coating or lining system.

For maximum performance all steel surfaces should be primed, but primer may not be needed for mild, non-immersion service. Concrete, however, must always be primed to aid in the "wetting out" required for good adhesion.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

APPROXIMATE SQUARE FEET PER GALLON		
	CONCRETE	STEEL
Primer 67LV	150-200 ft. ²	250-300 ft. ²

**Quantities shown are for estimating purposes only. Actual field usage may vary.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Metal: Surfaces must be abrasive blasted to an appropriate finish.

Immersion and heavy spillage service: White Metal SSPC SP-5 or NACE # 1, 3.0 mil minimum profile.
Heavy, non-immersion service (i.e. fumes and spillage): Near white SSPC SP- 10 or NACE #2, 2.0 mil minimum profile.

Atmospheric service: Commercial SSPC SP-6 or NACE #3, 2.0 mil minimum profile.

Concrete: Refer to specific product bulletin where **Primer 67LV** is being used for concrete surface preparation requirements.

APPLICATION SPECIFICATIONS

Substrate temperature for both concrete and metal must be between 50°F and 110°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above Dew Point.

PRIMER 67LV MIX RATIO (BY VOLUME)

Primer 67 LV Component A 80 fl.oz.
Primer 67LV Component B 48 fl.oz.

The pot life of the mixed **Primer 67LV** will depend on the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the following table:

PRIMER 67LV POT LIFE

TEMPERATURE	PRIMER 67LV POT LIFE
50°F	90 min.
75°F	60 min.
90°F	30 min.

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

PRIMING

Metal: Mix the pre-measured units of **Primer 67LV Component A** with **Component B**. Prime all metal surfaces to be coated with **Primer 67LV** at 3-4 mils WFT.

Concrete: Mix the pre-measured units of **Primer 67LV Component A with Component B**. Prime all concrete surfaces to be coated with **Primer 67LV** at 3-4 mils WFT. Do not allow the primer to puddle. Epoxy basecoats may be applied over primer that is “tacky”. **Urethane basecoats should be applied only after the Primer 67LV has cured a minimum 24 hours.**

Contact Dudick representative for recommendations for spray applications.

Important - With all epoxies after priming and before each additional coat, examine the surface for amine blush (oily film). If present, remove by washing with warm water and detergent.

Cure Cycle for Primer 67LV

Temperature	Minimum* Recoat Time	Maximum Recoat Time
70°F	6 hours	48 hours

Must be sanded after 48 hours.

***Minimum recoat time is 24 hours @ 75°F for urethanes**

Application of **Primer 67LV** in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading, or evening application may be required. Consult a Dudick representative.

To optimize intercoat adhesion, we recommend application of the basecoat while the **Primer 67LV** is tacky. If this is not possible, the above recoat times must be observed. Exposure of the primer to direct sunlight will considerably shorten the recoat times.

If recommended recoat times are exceeded, consult a Dudick Representative; sanding or abrasive blasting may be required before the coating, lining or floor topping can be applied.

CLEANING

Use **S-10 Cleaning Solvent** to clean tools and equipment.

SHIPPING

Refer to Material Safety Data Sheets.

STORAGE

Warning: All Dudick products classified by DOT with either white, yellow or red labels, must not be mixed or stored together as an explosive reaction can occur. All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

When stored in their original, unopened containers, at 50°F-75°F the following shelf life periods will apply: **Primer 67LV** components will have a six-month shelf life. Exposure to excessive heat may cause premature gelling, reduce working time and shelf life.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. **Primer 67LV** is intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied. If materials are to be applied by your own personnel or by a third party contractor, please be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis



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EPOXY PRIMER FOR STEEL AND
CONCRETE 3-4 MILS (0.1 mm)

- reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Primer 67LV** liquids can be removed with S-10 Cleaning Solvent, MEK, or lacquer thinner.
- Keep open flames and sparks away from the area where materials are being mixed and applied.
- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.
- If swallowed, do not induce vomiting; call a physician immediately.

NOTE: Dudick, Inc. ("Dudick") warrants all goods of its manufacture to be as represented in its catalogs and that the manufacture of its products by its employees or sub-contractors shall be performed in a workmanlike manner. Dudick's sole obligation under this warranty shall be to replace any material which its examination shall disclose

to be defective. Dudick makes no warranty concerning the suitability of its product for application to any surface, it being understood that the goods have been selected and the application ordered by the Purchaser. DUDICK, INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, THAT THE GOODS SHALL BE MERCHANTABLE OR THAT THE GOODS ARE FIT FOR ANY PARTICULAR PURPOSE. THE WARRANTY OF REPAIR OR REPLACEMENT SET FORTH HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES ARISING BY LAW OR OTHERWISE; AND DUDICK INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWN TIME, DAMAGES TO PROPERTY OF THE PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.

11/10/20



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STERI-SEAL LE
LOW EMISSION RESINOUS
FLOORING AND HIGH
PERFORMANCE SPECIAL COATING
100% SOLIDS, MULTI-FUNCTIONAL
EPOXY FLOOR TOPPING

FEATURES

Contributes toward satisfying credit for low emitting material under LEED 4.1

Meets California Department of Public Health CDPH/EHLB Standard Method Version 1.2 2017 Compliance Certificates Available Upon Request

Meets all VOC Requirements

Low Odor/Solvent Free Compliant

USDA Compliant

Stain Resistant with Good Cleanability

Can be Aggregate Filled and Troweled at 1/4" using **EA-1 Filler** for Heavy Traffic

Can Broadcast With Aggregate for Anti-Skid Surface

Can Saturate Fiberglass Reinforcement for Better Crack Bridging Properties

RECOMMENDED APPLICATIONS

- Food Processing Floors
- Laboratories
- Pharmaceutical Plants
- Research Facilities
- Educational Facilities

CHEMICAL RESISTANCE

- Dilute Inorganic Acids
- Dilute Alkali Solutions
- Aliphatic Organic Solvents
- Mineral Oils
- Salt Solutions

COLORS: Standard Color Chart available upon request.

PHYSICAL PROPERTIES

	Steri-Seal LE
Compressive Strength ASTM C-579	6,000 PSI
Tensile Strength ASTM C-307	2,200 PSI
Tensile Elongation ASTM C-307	5 – 10%
Flexural Strength ASTM C-580	1,800 PSI
Taber Abrasion ASTM D-4060	35 mg.
Flame Spread Index	<40*
Shore D Hardness ASTM D-2240	80 – 90
VOC ASTM D-3960	0
Tensile Bond Strength ASTM C-4541	Cohesion Failure of Concrete
Specular Gloss ASTM D-523	Satin 75 – 95 @ 60° H. Gloss 90 – 100 @ 20°
Fungus Resistance U.S. Mil Std. 810E	No Growth

*Depends on thickness

SPECIFICATIONS

Steri-Seal LE shall be 20 mils thick, semi-self-leveling, 100% solids epoxy floor topping. **Steri-Seal LE SF** shall be 1/16" - 1/8" thick, 100% solids seeded epoxy floor topping. Both products are manufactured by Dudick, Inc. and applied in accordance with the manufacturer's recommended practices.

THE STERI-SEAL LE SYSTEM

Steri-Seal LE uses a moisture-tolerant primer and a flexible semi-self-leveling epoxy topcoat to achieve a strongly bonded monolithic topping with moderate chemical resistance and good physical and mechanical properties.

Primer 67LV: The blasted or etched concrete surface must be primed to provide the “wetting out” required for good bonding, using **Primer 67LV**. **Steri-Seal LE** can be applied while the primer is still tacky. Do not allow the primer to puddle.

Topcoat: The semi-self-leveling **Steri-Seal LE** develops a cured strength 2-3 times that of the concrete base to which it is applied to provide exceptional durability and prolong the life of the substrate.

THE STERI-SEAL LE SF SYSTEM

Steri-Seal LE SF uses a moisture-tolerant primer, sand or aluminum oxide broadcast and epoxy resin to achieve a strongly bonded monolithic topping with moderate chemical resistance and good physical and mechanical properties.

Primer 67LV: The blasted or etched concrete surface must be primed to provide the “wetting out” required for good bonding, using **Primer 67LV**. **Steri-Seal LE SF** can be applied while the primer is still tacky. Do not allow the primer to puddle.

Basecoat: The sand or aluminum oxide filled **Steri-Seal LE SF** basecoat develops a cured strength 2-3 times that of the concrete base to which it is applied to provide exceptional durability and prolong the life of the substrate.

Broadcast: Sand or aluminum oxide is used for non-slip texture; aluminum oxide provides additional chemical and abrasion resistance. Either material is broadcasted to complete saturation, and the excess removed by sweeping.

Topcoat: If the broadcasted surface requires encapsulation, it can be sealed the with **Steri-Seal LE SF** resin system. This will help provide better cleanability.

ESTIMATING QUANTITIES AND ORDER BILL OF MATERIAL

APPROXIMATE SQUARE FEET PER GALLON	
	CONCRETE
Primer 67LV	150-200 ft. ²
Steri-Seal LE	
Topcoat @ 20 mils	80 ft. ²
S-10 Solvent	500 ft. ²
EA-1 Filler	55-65 ft. ² / 200 lbs.

APPROXIMATE SQUARE FEET PER GALLON	
	CONCRETE
Primer 67LV	150-200 ft. ²
Steri-Seal LE SF	
Basecoat @ 20 mils	80 ft. ²
S-10 Solvent	500 ft. ²
Aluminum Oxide	2-1/2 lbs./ft. ²
20-40 Mesh Sand	1 1/2 lbs./ft. ²
Topcoat @ 8-10 mils	140-170 ft. ²

**Quantities shown are for estimating purposes only.

Actual field usage may vary. Additional topcoat material may be needed to encapsulate aggregate depending on the size of the aggregate and desired texture.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Concrete: Concrete must be mechanically prepared to remove surface laitance. Oils, grease or other contaminant must be removed prior to surface preparation. Concrete must be free of curing compounds and form release agents. Surface texture should be similar to 60-80 grit sandpaper or the visual standard, CSP-3 from the International Concrete Repair Institute. The prepared surface should have a nominal tensile strength of 250 PSI per ASTM D-7243.

All concrete substrates must be checked for moisture prior to product application using the Plastic Sheet Test, ASTM D-4263.

Additional surface preparation will be required if a 60-80 grit texture is not achieved and the surface laitance not completely removed with the first mechanical preparation procedure.

Mechanical preparation removes laitance, exposing honeycombs or voids beneath the surface which must be filled with **Scratch Coat 300**. (Refer to separate product bulletin)

APPLICATION SPECIFICATIONS

Temperature of concrete substrate must be between 50°F and 110°F.

Relative humidity must not exceed 90%.

Substrate temperature must be 5°F above the Dew Point.



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PRIMER 67LV MIX RATIO (BY VOLUME)

Primer 67 LV Component A 73 fl.oz.
Primer 67LV Component B 55 fl.oz.

PRIMER 67LV POT LIFE

TEMPERATURE	POT LIFE
50°F	90 min.
75°F	60 min.
90°F	30 min.

STERI-SEAL LE MIX RATIOS (BY VOLUME)

Component A 1 gallon
Component B 41 fl. oz.

PRIMING

Primer 67LV is compatible with **Steri-Seal LE**

TOPCOAT

Prior to adding **Component B**, mix **Steri-Seal LE Component A** for 1-2 minutes to assure that any pigment or filler which may have settled is redispersed so that a uniform color is achieved. Combine the **A and B Components** and stir mechanically for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and re-mix for another 30 seconds to achieve a uniform color and consistency. Pour the **Steri-Seal LE** mix directly onto the primed concrete. The mix should be spread to a 20 mil thickness with a serrated squeegee, notched trowel or gauge rake. After spreading the material to the proper thickness, backroll or roll with a porcupine roller to level and deaerate.

To terminate work, use duct tape to set a straight edge and remove the tape when the topping becomes slightly tacky. Start the next work period butting into this area. Permanent terminating lines should be made into the sawcuts in the concrete.

POT LIFE AND CURE CYCLES

Steri-Seal LE		
Temperature	Pot Life	Cure Time
50°F	50-60 min.	72 hrs.
75°F	30-40 min.	24 hrs.
90°F	20-30 min.	20 hrs.

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

STERI-SEAL LE SF

STERI-SEAL LE SF MIX RATIO (BY VOLUME)

Component A 1 gallon
Component B 41 fl. oz.

BASECOAT

Prior to adding **Component B**, mix **Steri-Seal LE SF Component A** for 1-2 minutes to assure that any pigment or filler which may have settled is redispersed so that a uniform color is achieved. Combine the **A and B Components** and stir mechanically for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and re-mix for another 30 seconds to achieve a uniform color and consistency. Pour the **Steri-Seal LE SF** mix directly onto the primed concrete.

The mix should be spread to a 20 mil thickness with a serrated squeegee, notched trowel or gauge rake. The gauge rake is preferred. After spreading the material to the proper thickness, roll with a porcupine roller to level and de-aerate. Broadcast 20-40 mesh sand or aluminum oxide into the wet basecoat to complete saturation. Once cured, remove excess with a broom. This will produce a 1/16" thick topping. If additional thickness is specified, repeat the above steps.

When a 1/8" thickness is required, it is recommended that the application be done in two successive layers. Using two "seed coats" assures greater uniformity in both thickness as well as aesthetic quality.

TOPCOAT

Prior to adding **Component B**, mix **Steri-Seal LESF Component A** for 1-2 minutes to assure that any pigment or filler which may have settled is re-dispersed so that a uniform color is achieved. Combine the **A and B Components** and stir mechanically for approximately 2-3 minutes. Thoroughly scrape the sides and bottom of the container and remix for another 30 seconds to achieve a uniform color and consistency. Apply by roller at 6-8 wet mils. If surface texture is too rough a second sealer coat can be applied.

Pot Life and Cure Cycles

Do not attempt to store mixed material. Residual material should be properly disposed of at the end of each work period.

Application of **Steri-Seal LE SF** in direct sunlight may lead to blistering, pinholes, or wrinkling due to outgassing of air in the concrete and high substrate temperatures. Double priming, shading or evening application may be required. Consult a Dudick representative.

SHIPPING

Refer to Material Safety Data Sheets

STORAGE

Warning: All Dudick products classified by DOT labels as either white, yellow or red labels must not be mixed or stored together as an explosive reaction may occur.

Store all products in a cool, dry area away from open flames, sparks or other hazards.

When stored in their original, unopened containers at 50°F – 75°F **Primer 67LV, Steri-Seal LE/LE SF** will have a six-month shelf life. Storage in direct sunlight or excessive heat will reduce working time and shelf life.

SAFETY

M.S.D.S: Material Safety Data Sheets must always be read before using products. **Steri-Seal LE/LE SF** materials are intended for application by experienced, professional personnel. Dudick, Inc. can supply supervision to help determine that the surface has been properly prepared, the ingredients correctly mixed, and the materials properly and safely applied.

If **Steri-Seal LE/LE SF** materials are to be applied by your own personnel or by a third party contractor, please

be sure that they are aware of the following safety precautions:

- Exposure to resins and hardeners through direct skin contact and/or inhalation may cause severe dermatitis reactions in some people. Cleanliness of the skin and clothing is critical and must be of paramount concern.
- Fumes are flammable and heavier than air. Proper ventilation should be maintained to minimize breathing of concentrated fumes.
- Suitable respirators should be used during application.
- Safety glasses, gloves, and suitable protective clothing must be worn at all times during application.
- If contact with hardeners occurs, remove any clothing involved and flush the skin with flowing water. Discard the clothing. Do not attempt to wash and reuse it. **Steri-Seal LE/LE SF** liquid can be removed with S-10 Cleaning Solvent, MEK, or lacquer thinner.
- Keep open flames and sparks away from the area where materials are being mixed and applied.
- If a rash occurs, remove the individual from the work area and seek a physician's care for dermatitis.
- In case of eye contact, flush with water for at least 15 minutes and consult a physician.

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PURCHASER OR OTHER PERSONS, OR DAMAGES FOR WHICH THE PURCHASER MAY BE LIABLE TO OTHER PERSONS, WHETHER OR NOT OCCASIONED BY DUDICK'S NEGLIGENCE. This warranty shall not be extended, altered or varied except by written instrument signed by Dudick and Purchaser.

5/15/20

Lab/Research Facility References

**University of Illinois - Chicago
William Eckhardt Research Center
Addition**

Architect: HOK
GC: W.E. O'Neil Construction
Installer: Kedmont Waterproofing
Install: May 2015

**University of North Carolina
Vivarium**

Architect: Wagner Architecture
GC: CT Wilson
Install: January 2015

**Cleveland Clinic BRU Mouse
Vivarium Project**

Architect: Perspectus
GC: Turner Construction
Installer: Frank Novak & Sons
Install: December 2014

Penn State/South Frear Vivarium

Architect: Stantec/Payette
GC: Barton Malow
Installer: CPS
Install: November 2014

**Aquatic Quarantine Facility/NYU
Langone Medical Center**

Architect: Francis Cauffman
GC: Caldwell Walsh
Installer: Island Painting
Install: November 2014

**Ohio State/Wooster Swine and
Turkey Project - NIH Isolation
Floor**

Installer: Florline – direct to owner
Install: October 2014

**Weill Cornell Medical College/
Cryoroom**

Direct to owner
Installer: Spectrum Coatings
Install: June 2014

**NYU Ambulatory Project on 38th
Street**

Architect: Ballinger
GC: Tishman
Installer: Island
Install: July 2014

NCSU Wild Hare Project

Architect: Wagner Architecture
GC:
Installer: Floorchem
Install: April 2014

Maryland Public Health Lab

Architect: CUH2A/HDR
GC: Turner Construction
Installer: Durex Coatings
Install: August/September 2013

**Atlanta VA Medical Center
BSL3/Decatur GA**

Architect: Smith Carter
GC: Structural Builders
Installer: Toole Floor Coatings
Install: September 2013

**West Virginia Animal Facility
Annex**

Architect: Stanley Beaman Sears
GC: Massaro Corporation

Installer: T.D Patrinos Painting & contracting

Penn State Animal Pell Lab, ABSL 3

Architect: Payette
GC: Torcon
Installer: Corrosion Prevention
Install: July 2013

UNC Francis Own Blood Research Lab Renovations/Vivarium

Architect: Lord Aeck & Sargent
GC: HM Kern
Installer: Life Science Products
Install: May 2012

UNC Imaging Research Building (Cage Wash Only)

Architect: Perkins + Will
GC: Choate Construction
Installer: Life Science Products
Install: Spring 2013

East Carolina University Dental Building

Architect: BJAC
GC: Balfour Beatty
Installer: McCord Contractors
Install Summer 2012

Pfizer Embrex Facility – Maxton, NC

Direct install w/owner. No A/E or GC involved
Installer: Floorchem
Install 2010, 2012 and ongoing

Life Technologies Project – Frederick, MD

Architect: BHDP
GC: Gilbane
Installer: Life Science Products
Install: November 2012

North Carolina State University Dog Lab CVM

Architect: Wagner & Associates
GC: McKenna Construction
Installer: Floorchem
Install: July 2012
Steri-Quartz B

USAMRIID/Replacement – Fort Detrick, MD/BSL4

Architect – Smith Carter/CUH2A
GC – Manhattan Construction
Installer – FD Thomas
Install: Fall/Winter 2012

University of Michigan Phoenix Lab/Vivarium/BSL-3

Architect: Lord Aeck & Sargent
GC: Christman Company
Installer: Cavlier Painting
Install: April 2012

University of Florida Anatomy Lab

Architect: Gresham Smith & Partners
GC: Whiting Turner
Installer: Florline Group
Install: August 2011

Rocky Mountain National Lab/BSL4

Architect – Smith Carter
GC – Skanska
Installer – FD Thomas

NIAID Integrated Research Facility/Fort Detrick, MD/BSL4

Architect – Smith Carter
GC – Gilbane
Installer – FD Thomas

Centers for Disease Control/BSL3 & 4 – Atlanta, GA

Architect – Smith Carter
GC – McCarthy Brothers
Installer – FD Thomas

Plum Island Animal Disease Center/BSL4/Renovation of existing facility

Architect – Smith Carter/CUH2A
GC – Whiting-Turner
Installer – FD Thomas

Plum Island Animal Disease Center/BSL4/New Facility

Architect – Smith Carter
GC – Whiting Turner
Installer – FD Thomas

Houston UT Research Park/BSL3 – Houston, TX

Architect - Watkins Hamilton Ross
Architects/Houston
GC – Hensel Phelps
Installer – Deco-Crete
Install: June 2011

Houston UT Research Park/BSL3 – Phase 2 – Houston, TX

Architect - Watkins Hamilton Ross
Architects/Houston
GC: Gentech
Installer: Deco-Crete
Install: January 2013

Change Gung University/Formosa Biomedical Technology/Vivarium/BSL3

Architect – CUH2A

India/Bagalore National Institute of Virology/BSL4

Architect – Smith Carter

Wyoming Combined Labs – Laramie & Cheyenne, WY/BSL3

Architect – CUH2A
GC – GH Phipps
Installer – Pro-Tech Coatings

Tulane University/BSL3 & Vivarium – Covington, LA

Architect – CUH2A
Installer – Craft Croswell Inc.
GC – Gilbane Co.

University of Utah Sorenson Health Sciences Project/BSL3

Architect: Lord Aeck & Sargent
GC: Layton
Installer: Protech Coatings
Install: April 2011

University of Alabama - Science & Engineering Complex Phase 4

Architect: Lord Aeck & Sargent
GC: Bary C Wyatt Inc
Installer: Sanders Hyland
Install: August 2011
Steri-Flor TN & Steri Coat P

IALR (Institute for Advanced Learning Research) High Bay Lab

Danville, VA
Engineer: CH2M
GC: Southern Industrial Constructors
Installer: IFS
Install date: October 2011
Protecto-Crete 900

Center for Disease Control/Small BSL4 – Fort Collins, CO

Architect – CUH2A
GC – Skanska
Installer – National Coatings

**Galveston National
Laboratory/University of Texas
Medical Branch/BSL3 & 4**

Architect – Perkins & Will
GC – Vaughn Construction
Installer – Industrial Flooring
Services Inc

**USDA/BSL 3AG/ Ames, IA –
Building #9**

Architect – HOK/Flad
GC – McCarthy Brothers
Installer – FD Thomas
Install: 2006

**Kansas State University Biological
Research Institute/Pat Roberts
Hall**

Architect: HOK/Merrick
GC: Turner
Install: 2007

**University of Florida – UF
Pathogen Research
Facility/Vivarium**

Architect – CUH2A
GC – Whiting Turner
Installer - Florline

**Weill Cornell Medical
Lab/Vivarium/BSL3**

Architect – CUH2A
GC – Caldwell/Walsh
Installer – Centron/Fine Painting

**La Jolla Altman Clinical and
Translational Research Institute/**

University San Diego CA
Architect: Zimmer Gunsul Frasca
GC: Rudolph & Sletten
Installer: Structural
Install: February 2013

**University of Kentucky Livestock
Diagnostic Discovery Center
Equine Lab**

Architect: CMW & Ballard Associate
GC: Congleman & Hacker
Installer: The Painting Company
Install: 2009