

ADDENDUM #1

DATE: November 6, 2017
TO: All Bidders
FROM: Charles Ragonese, AIA
PROJECT #: 17048
REFERENCE: CCIA Administration Building
745 Lebanon Road
Rosenhayn, NJ 08352

Comment # Response

1. The CCIA will be completing the following site work prior to construction:
 - a. Supply and install the construction entrance, silt fence and stripping and removing of all topsoil from the work area.
 - b. Topsoil will be returned to the site in one single operation by the CCIA when requested by the GC.
 - c. CCIA will grade the subgrade with positive drainage to the outside of the work area.
 - d. The GC will be required to maintain all soil erosion activities upon notice to proceed.
2. A Project Labor Agreement is required for this project and attached in the Project Manual.
3. The GC is responsible for providing, installing, and maintaining access control systems. A revision to the current hardware section is forthcoming.
4. The CCIA will pay for all testing. The GC is responsible for timely coordination with the CCIA to coordinate testing activities.
5. The GC is responsible for obtaining and paying for all permits. Costs for permits will be submitted to CCIA for approval and will be paid for through the contract allowance.
6. The CCIA has obtained the soil erosion permit and has a copy on file.
7. Atlantic City Electric power poles exist on Lebanon Road. Contractors shall contact ACE to apply for temporary power. Provide work request number 5675220 to ACE for reference.
8. The stabilized construction entrance will be supplied and installed by the CCIA prior to successful contractor mobilization. Successful contractor will maintain the entrance during construction and remove upon completion.
9. On SP-4 in the "HDPE Pipe Trench Detail" in Notes 3 & 4 it calls for "Suitable Materials Shall Be Class I, II or III" for the Bedding and Initial Backfill. Supporting information for the backfill is provided in the attached back fill spec sheet.
10. **The official bid time has been changed from 10:00 am to 2:00 pm on December 8, 2017. Again, the bids are now due no later than 2:00 pm on December 8, 2017.**

11. In specification 02700, 3.5 “Force Main Piping Application”, C; it states that pipe sizes up to 10” should adhere to “ASTM D-3034 polyvinyl chloride (PVC) C-900 sewer pipe and fittings; welded joints.” The Details and Notes on plan sheet SP-5 call for Schedule 40 PVC for the Force Main. Since the Force Main is only 10LF, and will be one section, Schedule 40 (AKA SDR-26) can be used, which has a pressure rating of 160 PSI. For the disposal field, 4” Manifold SDR-35 with glued or gasketed joints and fittings can be used.
12. The expected budget is \$225-\$250/s.f. excluding site/infrastructure work performed by the CCIA, FF&E, professional fees, and environmental work.
13. Delete all references to Proposition of Surety in *Section 2.2 Bid Guarantees* in the *Instructions to Bidders* section of the project manual. A Proposition of Surety is not required.
14. A 2-year maintenance warranty is required as per *AIA General Conditions Article 12.2.2*.
15. Regarding the AISC Steel Certification the following is acceptable:
 - a. In lieu of the fabrication requirements required on the bid documents, the fabricator must submit at completion of fabrication a “Certificate of Compliance” to the owner or owner’s agent, for submittal to the building official, stating that the work was performed in accordance with the approved construction documents.
16. Regarding weld testing for the exposed painted steel, please note the following:
 - a. The owner will engage the testing agency; therefore the contractor is not responsible for any testing. Estimate an inspecting agency visiting the structural steel shop at least two times for testing.
17. Boring locations and results are found in the geotechnical report performed by French & Parrello Associates. See page 724 of the project manual.
18. The following light fixtures shall be replaced as indicated below. Note, these light fixtures are located in the black acoustical ceiling tile throughout the corridors. Refer to the reflected ceiling plan and lighting plan.
 - a. Change recessed 2 x 2 Type A1F lighting fixture to a recessed downlight, USAI # 3021-B1-S-21 (black)-LRD4-9033-C3-35KS-90-FT-(120)-DIML2.
 - b. Change recessed 2 x 2 Type A1EF lighting fixture to a recessed downlight, USAI # 3021-B1-S-21 (black)-LRD4-9033-C3-35KS-90-FT-(120)-DIML2-EML (emergency driver).
19. All exterior exposed steel shall be galvanized and painted. Paint system shall be Sherwin Williams Pro Industrial Acrylic, B66-660 or approved equal (see attached cut sheet). Exposed exterior steel cantilever beams occur at all wood deck roof systems. Refer to structural framing plans for locations.

Table 5-2
Classes of Embedment and Backfill Materials

ASTM D2321 ^(A) (CSA B182.11) Class Description		ASTM D2487 Notation Description		AASHTO M43 Notation	AASHTO M145 Notation	BNQ 2560	ASTM D2321 ^(A) (CSA B182.11)							
							Percentage Passing Sieve Sizes				Atterberg Limits		Coefficients	
							1 ½ in. (40mm)	3/8" (9.5mm)	No. 4 (4.75mm)	No. 200 (0.075 mm)	LL	PI	Cu	Cc
I ^(B)	Crushed rock, angular ^C	N/A	Angular crushed stone or rock, crushed gravel, crushed slag; large voids with little or no fines	5, 56, 57 ^(D) , 6, 67 ^(D)	N/A		100%	≤25%	≤15%	<12%	Non Plastic		N/A	
II	Clean, coarse-grained soils	GW	Well-graded gravel, gravel-sand mixtures; little or no fines	5, 6	A1, A3	CG-14, MG-20	100%		<50% of "Coarse Fraction"	<5%	Non Plastic	>4	1 to 3	
		GP	Poorly-graded gravels, gravel-sand mixtures; little or no fines	56, 57, 67								<4	<1 or >3	
		SW	Well-graded sands, gravelly sands; little or no fines									>6	1 to 3	
		SP ^F	Poorly-graded sands, gravelly sands; little or no fines									<6	<1 or >3	
	Coarse-Grained Soils, borderline clean to w/fines	GW-GC, SP-SM	Sands and gravels which are borderline between clean and with fines	N/A				100%		Varies	5% to 12%	Non Plastic	Same as for GW, GP, SW and SP	
III	Coarse-grained soils with fines	GM	Silty gravels, gravel-sand-silt mixtures	Gravel & sand with <10% fines	A-2-4, A-2-5, A-2-6, or A-4 or A-6 soils with more than 30% retained on #200 sieve	100%		<50% of "Coarse Fraction"	12% to 50%	N/A	<4 or <"A" Line	N/A		
		GC	Clayey gravels, gravel-sand-clay mixtures								<7 & >"A" Line			
		SM	Silty sands, sand-silt mixtures								>4 or <"A" Line			
		SC	Clayey sands, sand-clay mixtures								>7 & >"A" Line			
	Inorganic fine-grained soils	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, silts with slight plasticity					100%	> 30% (Retained)	<50	<4 or <"A" Line			
		CL	Inorganic clays of low to medium plasticity; gravelly, sandy, or silty clays; lean clays					> 30% (Retained)	>7 & >"A" Line					
IV ^(E)	Inorganic fine-grained soils	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands, silts with slight plasticity	N/A	A-2-7 or A-4 or A-6 soils with 30% or less retained on #200 sieve	100%	100%	< 30% (Retained)	<50	<4 or <"A" Line	N/A			
		CL	Inorganic clays of low to medium plasticity; gravelly, sandy, or silty clays; lean clays	N/A				>7 & >"A" Line						
V ^(G)	Inorganic fine-grained soils	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	N/A	A5, A7	100%	100%	>50%	>50	<"A" Line	N/A			
		CH	Inorganic clays of high plasticity, fat clays	N/A						>"A" Line				
	Organic soils or Highly organic soils	OL	Organic silts and organic silty clays of low plasticity	N/A		100%	100%	>50%	>50	<4 or <"A" Line	N/A			
		OH	Organic clays of medium to high plasticity, organic silts	N/A						<"A" Line				
		PT	Peat and other high organic soils	N/A										

Notes:

- A) Refer to ASTM D2321 / CSA B182.11/ BNQ 2560 for more complete soil descriptions.
- B) Class I materials allow for a broader range of fines than previous versions of D2321 / B182.11. When specifying class I material for infiltration systems, the engineering shall include a requirement for an acceptable level of fines.
- C) All particle faces shall be fractured.
- D) Assumes less than 25% passes the 3/8" sieve.
- E) Class IV materials require a geotechnical evaluation prior to use and should only be used as backfill under the guidance of a qualified engineer.
- F) Uniform fine sands (SP) with more than 50% passing a 100 sieve behave like silts and should be treated as Class III soils if allowed.
- G) Class V materials shall not be permitted as bedding and backfill material.

113.03

ACRYLIC



PRO
INDUSTRIAL™



B66-600 SERIES
B66-650 SERIES
B66-660 SERIES

GLOSS
SEMI-GLOSS
EG-SHEL

As of 04/15/2014, Complies with:			
OTC	Yes	LEED® 09 CI	Yes
SCAQMD	Yes	LEED® 09 NC	Yes
CARB	Yes	LEED® 09 CS	Yes
CARB SCM 2007	Yes	LEED® H	Yes
MPI	Yes	NGBS	Yes

CHARACTERISTICS

Pro Industrial Acrylic is an ambient cured, single component 100% acrylic coating. It is designed for interior and exterior industrial and commercial applications

- Chemical resistant
- Excellent color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Suitable for use in USDA inspected facilities
- Fast dry

Color: most colors

Recommended Spread Rate per coat:

Wet mils: 6.0 - 12.0
Dry mils: 2.5 - 4.0
Coverage: 140 - 225 sq ft/gal
approximate

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Time @ 7.0 mils wet 50% RH:
@ 50°F @ 77°F @ 120°F

To touch: 1 hr 30 min 5 min
Tack free: 8 hrs 5 hrs 15 min
To recoat: 8 hrs 5 hrs 15 min
To cure: 30 days 30 days 30 days

Drying time is temperature, humidity, and film thickness dependent.

Finish: Gloss, Semi-Gloss, Eg-Shel

Flash Point: N/A

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Tinting with CCE only:

Base	oz/gal	Strength
Extra White	0-4	100%
Deep Base	8-12	100%
Ultra-deep Base	8-12	100%

Extra White B66W00611
(may vary by color)

VOC Unreduced: <50 g/L; <0.42 lb/gal
as per 40 CFR 59.406 and SOR/2009-264, s. 12

Volume Solids: 35 ± 2%

Weight Solids: 44 ± 2%

Weight per Gallon: 9.5 lb/gal ±2%

RECOMMENDED SYSTEMS

Steel*:

2 cts. Pro Industrial Acrylic

Steel:

1 ct. Pro Industrial Pro-Cryl Primer
DTM Acrylic Primer/Finish
or
Kem Bond HS
or
Zinc Clad Primer
1-2 cts. Pro Industrial Acrylic

Aluminum:

1-2 cts. Pro Industrial Acrylic

Aluminum:

1 ct. Pro Industrial Pro-Cryl Primer
1-2 cts. Pro Industrial Acrylic

Concrete Block:

1 ct. Loxon Block Surfacers
1-2 cts. Pro Industrial Acrylic

Concrete/Masonry:

1 ct. Loxon Concrete & Masonry Primer

1-2 cts. Pro Industrial Acrylic
Drywall

1 ct. ProMar 200 Primer
1-2 cts. Pro Industrial Acrylic

Galvanizing:

2 cts. Pro Industrial Acrylic

Prefinished Siding: (Baked-on finishes)

1 ct. DTM Bonding Primer
1-2 cts. Pro Industrial Acrylic

Wood, exterior:

1 ct. Exterior Wood Primer
1-2 cts. Pro Industrial Acrylic

Wood, interior:

1 ct. Premium Wall & Wood Primer

*Application of coating on unprimed steel may cause pinpoint rusting. Safety Colors, Deep Base, and Ultra-deep colors require a prime coat for maximum durability, adhesion, and corrosion protection.

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: 2 cts. Pro Industrial Acrylic

Adhesion:

Method: ASTM D4541
Result: 1386 psi

Corrosion Weathering 8:

Method: ASTM D5894, 1500 hours, 5 cycles
Result: Rating 10, per ASTM D714 for blistering
Rating 9 per ASTM D1654 for corrosion

Direct Impact Resistance:

Method: ASTM D2794
Result: >160 in. lb

Dry Heat Resistance:

Method: ASTM D2485
Result: 250°F

Flexibility:

Method: ASTM D522, 180° bend, 1/8" mandrel
Result: Passes

Humidity Resistance*:

Method: ASTM D4585, 1500 hours
Result: Rating 10 per ASTM D714 for blistering
Rating 10 per ASTM D1654 for corrosion

Pencil Hardness:

Method: ASTM D3363
Result: 2B

Salt Fog Resistance*:

Method: ASTM B117, 1500 hours
Result: Rating 10 per ASTM D714 for blistering
Rating 9 per ASTM D1654 for corrosion

Thermal Cycling:

Method: ASTM D2246, 5 cycles
Result: Passes

*over Pro Industrial Pro-Cryl Primer



SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Do not use hydrocarbon solvents for cleaning.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

Aluminum - Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

Concrete and Masonry - For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI 03732, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F before filling. If required for a smoother finish, use the recommended filler/surfacer. The filler/surfacer must be thoroughly dry before topcoating per manufacturer's recommendations.

Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

CAUTIONS

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.**

HOTW 4/15/2014 B66W00611 10 0

APPLICATION

Refer to the MSDS before use.

Temperature: 50°F minimum
120°F maximum
(Air, surface, and material)
At least 5°F above dew point

Relative humidity: 85% maximum

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer Water

Airless Spray

Pressure 1500 psi
Hose 1/4" ID
Tip017" - .021"
Filter 60 mesh
Reduction Not recommended

Conventional Spray

Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63PB
Atomization Pressure 50 psi
Fluid Pressure 15-20 psi
Reduction As needed up to 12½% by volume

Brush Nylon / polyester
Reduction Not recommended

Roller 3/8" woven
Reduction Not recommended

If specific application equipment is listed above, equivalent equipment may be substituted.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

NOTE: If coating is allowed to "set-up", Reducer #54 may be required for cleaning. Follow manufacturer's safety recommendations when using Reducer #54.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin. The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.