



R G Architects, LLC

200 West Main Street
Middletown, DE 19709
302.376.8100
302.376.9851 fax
www.rgarchitects.net

RGA No. 16047
1 December 2017

ADDENDUM NO. 3

STATE OF DELAWARE OMB/DFM
DSCYF Storage Building 14
1825 Faulkland Rd.
Wilmington, DE 19901

R G Architects
200 West Main Street
Middletown, DE 19709
Phone: 302-376-8100 (phone)
Fax: 302-376-9851 (fax)
Email: chris@rgarchitects.net

BIDS DUE:

Monday, December 18, 2017 at 1:00 p.m.

LOCATION:

**THOMAS COLLINS BUILDING
Division of Facilities Management Office
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, Delaware 19901
Attn: Robert Robinson**

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal. Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.3 A copy of the current bid set register is available upon request indicating individuals that have purchased project documents from R G architects.
- 1.4 The pre-bid sign-in sheet, along with Addendum #3, is being sent as a courtesy to all pre-bid meeting attendees; however, all future addenda will only be issued to registered plan holders.
- 1.5 All addenda will be sent out to the registered plan holders via email (or fax). Contractors are encouraged to keep an eye on their email accounts during the bidding period for such updates.
- 1.6 **BID DOCUMENTS FROM THE FIRST BID ARE STILL CURRENT. ALL ADDENDA FROM THE FIRST BID ARE PART OF THE BASE BID DOCUMENTS AND ARE ATTACHED TO THIS ADDENDUM, with the exception of the first Bidders List and the Pre-Bid Sign in sheet from the first pre-bid meeting.**

2.0 **PREBID MEETING:**

- 2.1 A Prebid Meeting was held on Wednesday, November 29, 2017 at 10:00 a.m. at the Ferris Maintenance Shop at the DSCYF Campus. The following items were reviewed:
- A. Project Description: A brief overview of the Project was discussed. An overall floor plan with limits of construction highlight was presented and attached as part of these minutes for information purpose only. No changes to the scope of work at this time.
 - B. Project Schedule: On site construction commencement is anticipated to begin upon future notice to proceed.
 - C. Bid schedule is as follows:
 - 1. The bids are due by **1:00 p.m. on Monday, December 18, 2017.**
 - 2. Substitution requests will be received until **4:00 p.m. on Friday, December 8, 2017.**
Instructions for requesting substitutions are very specific and are contained in the project manual. If the contractor does not follow the processes it is automatic grounds for rejection.
 - 3. **Questions regarding the bid documents will be received until 2:00 p.m. on Wednesday, December 13, 2017.**
All questions **must** be submitted **in writing** (via fax or mail, addressed to Jerry Rozanski, Jerry@rgarchitects.net) to R G Architects. Neither R G Architects or the Owner will answer questions verbally.
 - 4. The last day for addenda to be issued, if required, shall be, **Thursday, December 14, 2017.**
 - D. *The project will **NOT** require the contractors to utilize the State of Delaware Prevailing wage rates (new building below \$500,000).*
 - E. Liquidated damages: Liquidated damages are not in this contract. However, a written contract is and all conditions of that contract will be enforced as spelled out in the contract documents.
 - F. Substitutions: If a specification lists one product manufacturer as well as listing “or equal”, the contractor is not obligated to submit for substitution prior to bid for that item. However, the contractor will still be responsible to meet the requirements of that product during the review process as per the specifications. If the product substituted as an equal does not meet ALL of the requirements of the specifications, as determined by the Architect, the Contractor is obligated to provide the specified product at no additional cost to the project.
 - G. Subcontractors List:
 - 1. The subcontractors list noted on the bid form in the project manual was reviewed and agreed upon.
 - 2. The General Contractor may NOT list more than one subcontractor for a discipline on the subcontractor’s list.

3. On the Subcontractors List, the General Contractor must list the subcontractor that is providing the labor for 100% of the work in that category and as is required by the laws of Title 29.
- H. Drug Testing Policy: RGA reviewed the new Drug Testing Policy in place by State of Delaware. Contractors are to reference the Project Manual for additional policy procedures and Drug Testing Report Forms.
- I. DOC Security Clearance forms will NOT be required for this project.
- J. DMSS Staff reminded everyone that smoking is NOT permitted ANYWHERE on the DSCYF (Ferris) campus. Contractors must leave the property to smoke during construction.
- K. Contractors are reminded to follow the posted speed limits on the property. Bathrooms will not be available during construction and Porta-potties will be required to be supplied by the contractor.
- L. Project Site walk-through

Bidders who wish to tour the construction site after the prebid meeting may do so unescorted.

3.0 Revisions to the SPECIFICATIONS

- 3.1 None at this time, however, refer to Addendums 1 and 2 from the previous bid.

4.0 Revisions to the DRAWINGS

- 4.1 None at this time, however, refer to Addendums 1 and 2 from the previous bid.

5.0 Questions

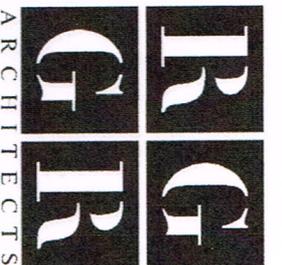
- 5.1 Question – Are all sewer impact fees part of the base bid? If so, can you give us that amount?
 - 5.1.1 Answer – The Contractor is responsible for ALL fees and permits for this project. The Contractor is responsible for determining what the correct fees are prior to bid.

6.0 ATTACHMENT LIST:

- A. Pre Bid Sign-In Sheet
- B. Bid Register
- C. Revised Bid Form
- D. Addendums 1 and 2 from previous bid

R G Architects, LLC
 200 West Main Street
 Middletown, DE 19709
 302.376.8100
 302.376.9851 fax
 www.rgarchitects.net

PREBID MEETING SIGN-IN
 DSCYF Storage Bldg 14
 State of Delaware
 MJ3705000041
 Facilities Management Office, Thomas Collins Building
 540 S. DuPont Highway, Suite 1 (Third Floor)
 Dover, DE 19901



Name	Company	Telephone	Email
24			
25	Verde Ventresca	302-658-6436	Tonye Ventresca Bros. Com
26	Brian Smith	610-345-1316	bsmith@bsscontractor.com
27	Stacey Bush	302 834 8104	Amakor@aol.com
28	Brien & Thompson	Conventional Builders Inc. 302-422-2428	Conventionalbuilders@comcast.net
29	Bill Brown	711-682-5044	BBBrown@CBSKIDDES.COM
30	Kristin Davison	302-653-6409	estimator2@kentonsstructure.com
31	Robert Robinson	302 943-9408	robert.j.robinson@stetd.com
32	Frank Massart	993-4880	Frank.Massart@stetd.us
33	SPRUE HARRINGTON	898-6485	J. Harrington@stetd.de.us
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			

PLEASE PRINT CLEARLY

State of Delaware
DSCYF Storage Bldg 14
MJ3705000041



RGA # 16047

Bids Due: Thursday, October 19, 2017 at 2:00 pm
Facilities Management Office, Thomas Collins Building
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, DE 19901

BID DOCUMENTS REGISTER

PLEASE PRINT CLEARLY

\$ 100.00 per HARD Copy set, \$50 Per Electronic PDF set

#01	Name of Company: <u>BSS CONTRACTORS</u> Physical Address: <u>281 E. EVERGREEN ST</u> City, State: <u>WEST GROVE PA 19390</u> Contact: <u>BRIAN S. SMITH</u> GC: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EMAIL: <u>BSM194@BSSCONTRACTOR.COM</u> Fax: <u>610 - 345 - 1318</u> Phone: <u>610 - 345 - 1316</u> Date: <u>10-4-17</u>
#02	Name of Company: <u>KPAH</u> Physical Address: <u>2 Rye Oak Rd</u> City, State: <u>Spartanburg SC 29583</u> Contact: _____ GC: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EMAIL: <u>estimator3@kendallstructures.com</u> Fax: _____ Phone: <u>802-658-6669</u> Date: <u>10/25/17</u>
#03	Name of Company: <u>Conventional Builders I.N.C.</u> Physical Address: <u>P.O. Box 417</u> City, State: <u>Houston Del.</u> Contact: <u>New Storage Building</u> GC: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EMAIL: <u>conventionat@bc.com</u> <u>conventionatbuilders@comcast.net</u> Fax: <u>302 422-2135</u> Phone: <u>302 422-2429</u> Date: <u>11-29-17</u>
#04	Name of Company: <u>CONESTOGA BUILDINGS</u> Physical Address: <u>202 ORLAN RD</u> City, State: <u>NEW HOLLAND PA 17522</u> Contact: <u>BILL BROWN</u> GC: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO EMAIL: <u>BROWN@CBSTRUCTURES,INC.COM</u> Fax: <u>717 355 9170</u> Phone: <u>717-682-5044</u> Date: <u>10-4-17</u>

PLEASE PRINT CLEARLY

State of Delaware
DSCYF Storage Bldg 14
MJ3705000041

Bids Due: Thursday, October 19, 2017 at 2:00 pm
Facilities Management Office, Thomas Collins Building
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, DE 19901



RGA # 16047

BID DOCUMENTS REGISTER

PLEASE PRINT CLEARLY

#05	Name of Company: _____ Physical Address: <u>Amakor, Inc</u> City, State: <u>72 Clinton St De City DE</u> Contact: <u>Steve Serbu</u> 19706 GC: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> EMAIL: <u>Amakor@aol.com</u> Fax: <u>8681</u> Phone: <u>302 834 8664</u> Date: <u>10/4/17</u>
#06	Name of Company: <u>DODGE DATA & ANALYTICS</u> Physical Address: <u>300 AMERICAN METRO BLVD #185</u> City, State: <u>HAMILTON, NJ 08619</u> Contact: <u>WILLIAM FLEMING</u> GC: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EMAIL: <u>WILLIAM.FLEMING@CONSTRUCTION.COM</u> Fax: <u>877-847-3512</u> Phone: <u>860-503-9788</u> Date: <u>10/11/2017</u>
#07	Name of Company: _____ Physical Address: _____ City, State: _____ Contact: _____ GC: YES <input type="checkbox"/> NO <input type="checkbox"/> EMAIL: _____ Fax: _____ Phone: _____ Date: _____
#08	Name of Company: _____ Physical Address: _____ City, State: _____ Contact: _____ GC: YES <input type="checkbox"/> NO <input type="checkbox"/> EMAIL: _____ Fax: _____ Phone: _____ Date: _____

BID FORM

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for thirty (30) days from the date of opening of bids (60 days for School Districts and Department of Education), and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within _____calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ **By:** _____
(SEAL) (Authorized Signature)

(Title)
Date: _____

ATTACHMENTS

- Sub-Contractor List
- Non-Collusion Statement
- Affidavit(s) of Employee Drug Testing Program
- Bid Security
- (Others as Required by Project Manuals)

THIS PAGE INTENTIONALLY LEFT BLANK

BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. Site Work	_____	_____	_____
2. Concrete	_____	_____	_____
3. Electrical	_____	_____	_____
4. Plumbing	_____	_____	_____
5. Pole Building Installer	_____	_____	_____
6.	_____	_____	_____
7.	_____	_____	_____
8.	_____	_____	_____
9.	_____	_____	_____
10.	_____	_____	_____

THIS PAGE INTENTIONALLY LEFT BLANK

DSCYF NEW STORAGE BUILDING#14
959 Centre road, Wilmington, DE 19801
CONTRACT # MC3705000041

BID FORM

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date (*to the Office of Management and Budget, Division of Facilities Management*).

All the terms and conditions of (*Project or Contract Number*) have been thoroughly examined and are understood.

NAME OF BIDDER: _____

**AUTHORIZED REPRESENTATIVE
(TYPED):** _____

**AUTHORIZED REPRESENTATIVE
(SIGNATURE):** _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

THIS PAGE INTENTIONALLY LEFT BLANK

**AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM**

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.



R G Architects, LLC

200 West Main Street
Middletown, DE 19709
302.376.8100
302.376.9851 fax
www.rgarchitects.net

RGA No. 16047
9 October 2017

ADDENDUM NO. 1

STATE OF DELAWARE OMB/DFM
DSCYF Storage Building 14
1825 Faulkland Rd.
Wilmington, DE 19901

R G Architects
200 West Main Street
Middletown, DE 19709
Phone: 302-376-8100 (phone)
Fax: 302-376-9851 (fax)
Email: chris@rgarchitects.net

BIDS DUE:

Thursday, October 19, 2017 at 2:00 p.m.

LOCATION:

**THOMAS COLLINS BUILDING
Division of Facilities Management Office
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, Delaware 19901
Attn: Robert Robinson**

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 A copy of the current bid set register is available upon request indicating individuals that have purchased project documents from R G architects.
- 1.5 The pre-bid sign-in sheet, along with Addendum #1, is being sent as a courtesy to all pre-bid meeting attendees; however, all future addenda will only be issued to registered plan holders.
- 1.6 All addenda will be sent out to the registered plan holders via email (or fax). Contractors are encouraged to keep an eye on their email accounts during the bidding period for such updates.

2.0 PREBID MEETING:

- 2.1 A Prebid Meeting was held on Wednesday, October 4, 2017 at 1:00 p.m. at the Ferris Maintenance Shop at the DSCYF Campus. The following items were reviewed:
- A. Project Description: A brief overview of the Project was discussed. An overall floor plan with limits of construction highlight was presented and attached as part of these minutes for information purpose only. No changes to the scope of work at this time.
 - B. Project Schedule: On site construction commencement is anticipated to begin upon future notice to proceed.
 - C. Bid schedule is as follows:
 - 1. The bids are due by **2:00 p.m. on Thursday, October 19, 2017.**
 - 2. Substitution requests will be received until **4:00 p.m. on Monday, October 9, 2017.**
Instructions for requesting substitutions are very specific and are contained in the project manual. If the contractor does not follow the processes it is automatic grounds for rejection.
 - 3. **Questions regarding the bid documents will be received until 2:00 p.m. on Friday, October 13, 2017.**
All questions **must** be submitted **in writing** (via fax or mail, addressed to Jerry Rozanski, Jerry@rgarchitects.net) to R G Architects. Neither R G Architects or the Owner will answer questions verbally.
 - 4. The last day for addenda to be issued, if required, shall be, **Sunday, October 15, 2017.**
 - D. The project will **NOT** require the contractors to utilize the State of Delaware Prevailing wage rates.
 - E. Liquidated damages: Liquidated damages are not in this contract. However, a written contract is and all conditions of that contract will be enforced as spelled out in the contract documents.
 - F. Substitutions: If a specification lists one product manufacturer as well as listing “or equal”, the contractor is not obligated to submit for substitution prior to bid for that item. However, the contractor will still be responsible to meet the requirements of that product during the review process as per the specifications. If the product substituted as an equal does not meet ALL of the requirements of the specifications, as determined by the Architect, the Contractor is obligated to provide the specified product at no additional cost to the project.
 - G. Subcontractors List:
 - 1. The subcontractors list noted on the bid form in the project manual was reviewed and agreed upon.
 - 2. The General Contractor may NOT list more than one subcontractor for a discipline on the subcontractor’s list.

3. On the Subcontractors List, the General Contractor must list the subcontractor that is providing the labor for 100% of the work in that category and as is required by the laws of Title 29.
- H. Drug Testing Policy: RGA reviewed the new Drug Testing Policy in place by State of Delaware. Contractors are to reference the Project Manual for additional policy procedures and Drug Testing Report Forms.
- I. DOC Security Clearance forms will NOT be required for this project.
- J. DMSS Staff reminded everyone that smoking is NOT permitted ANYWHERE on the DSCYF (Ferris) campus. Contractors must leave the property to smoke during construction.
- K. Contractors are reminded to follow the posted speed limits on the property. Bathrooms will not be available during construction and Porta-potties will be required to be supplied by the contractor.
- L. Project Site walk-through

Bidders who wish to tour the construction site after the prebid meeting may do so unescorted.

3.0 Revisions to the SPECIFICATIONS

- 3.1 13 34 00 – PRE-ENGINEERED BUILDING SYSTEMS; Revised roof truss size to match drawings and roof panel specification.

4.0 Revisions to the DRAWINGS

- 4.1 Drawings A1-2, 2-1, 2-2, 3-1. Change reference to metal roof to “26ga through-fastened metal panel roof (Lester Uni-Rib or equal).” See attached specification.

5.0 Questions

- 5.1 Question - Page A3-1 detail 2 would indicate that they are looking for a 24 Gage standing seam roof, as it does in detail 4 on the same page. It conflicts though, because it calls for a 29 Gage roof panel which is typically a screw down roof. I'm looking to clarify whether they want a screw down roof, or a standing seam roof. We would recommend a 26gage screw down roof, which is typically what is used for a pole building.

5.1.1 Answer – The roof shall be a 26GA Screw Down Metal Panel.

6.0 ATTACHMENT LIST:

- A. Pre Bid Sign-In Sheet
- B. Bid Register
- C. 3.1 13 34 00 – PRE-ENGINEERED BUILDING SYSTEMS

SECTION 13 34 00

PRE-ENGINEERED BUILDING SYSTEMS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Provide pre-engineered building systems, including but not limited to primary and secondary structural framing systems, roofing, siding, roof and wall insulation, personnel doors, windows and accessories. Basis of design is the following system by Lester Building Systems:
 - 1. Uni-Frame I, clear span truss and embedded columns.

1.2 RELATED SECTIONS

- A. Section 31 20 00 - Earth Moving.
- B. Section 03 30 00 - Cast-in-Place Concrete.
- C. Section 08 70 00 - Hardware.

1.3 REFERENCES

- A. ASTM International:
 - 1. ASTM A153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - 2. ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - 3. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units.
 - 4. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
 - 5. ASTM C991 - Standard Specification for Flexible Glass Fiber Insulation for Metal Buildings.
 - 6. ASTM D523 - Standard Test Method for Specular Gloss.
 - 7. ASTM D3363 - Standard Test Method for Film Hardness by Pencil Test.
 - 8. ASTM D3841 - Standard Specification for Glass-Fiber-Reinforced Polyester Plastic Panels.
 - 9. ASTM D4145 - Standard Test Method for Coating Flexibility of Prepainted Sheet.
 - 10. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 11. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials.

1.4 SYSTEM DESCRIPTION

- A. Structural Frame Design:
 - 1. Design shall be based on the building framing and enclosure Uni-Frame I as manufactured by Lester Building Systems.
 - a. Type: Clear span roof truss.
 - b. Maximum Width: 36 feet 0 inches.
 - c. Maximum Clear Height: 10 feet 8 inches.

- d. Columns: Embedded in ground.
 - e. Purlins: 2x4 purlins above truss.
- B. Structural Requirements:
- 1. Building Code: International Building Code (IBC) and ASCE-7, current edition.
 - 2. Design Loads:
 - a. Ground Snow Load: 30 psf
 - b. Ground Exposure Factor: 0.7.
 - c. Roof Load, Live load: 25 psf
 - d. Roof Dead Load: 18 psf
 - e. Ceiling Dead Load: 5 psf
 - f. Wind Load: Wind speed (3 sec gust): 80 mph
 - g. Wind Exposure: Maximum Considered Earthquake 0.2 Second Spectral Response Acceleration.
 - h. Maximum Considered Earthquake 1.0 Second Spectral Response Acceleration.
 - i. Collateral Loads: Additional loads imposed by contract documents other than weight of building systems specified in this section.
 - j. Combination Loads: Comply with Building Code.
 - 3. Structural Design:
 - a. Perform calculations using diaphragm and/or frame analysis. Incorporate bracing as required.
 - b. Comply with AF&PA "National Design Specification for Wood Construction (NDS)."
 - c. Trusses:
 - 1) Limit deflection for live or snow loads to L/240 for trusses supporting ceilings and to L/180 for overhangs and trusses not supporting ceilings.
 - 2) Comply with appropriate NDS and Truss Plate Institute (TPI) standards.
 - d. Metal Wall and Roof Panels:
 - 1) Design in accordance with AISI "Specifications for the Design of Light-Gauge, Cold-Formed Steel Structural Members" and in accordance with sound engineering methods and practices.
 - e. Plywood or Oriented Strand Board Sheathing: Comply with APA "Plywood Design Specification."
 - f. Expansion/Contraction Provisions: Design roof attachment system to allow for expansion and contraction of metal roofing, due to seasonal temperature variations, without detrimental effect to the roof panels.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Manufacturer's specifications and installation instructions for building components and accessories.
 - 2. Preparation instructions and recommendations.
 - 3. Storage and handling requirements and recommendations.
- C. Shop Drawings: Showing roof framing, cross sections, roof and wall covering and trim details and accessory and component details clearly indicating proper assembly.
- D. Structural Engineer Certification: Letter signed by a Professional/Structural Engineer, registered to practice in the jurisdiction of the project, verifying compliance with Snow Design Requirements. Letter shall reference specific dead loads, live loads, wind

loads, tributary area load reductions (if applicable) collateral loads, seismic loads, end use categories, and governing building code including edition and load applications.

- E. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- F. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum ten years experience in producing pre-engineered wood buildings of the type specified.
- B. Installer Qualifications: Minimum three years experience in erection of pre-engineered wood buildings of the type specified.
- C. Structural Engineer's Qualifications: Minimum of three years designing post frame structures; registered in the jurisdiction of the project.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation. Follow manufacturer's recommended storage procedures. Do not allow steel siding and roofing to contact the ground.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of authorities having jurisdiction.

1.8 PROJECT CONDITIONS

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

1.9 WARRANTY

- A. Structural Design - Lifetime: Manufacturer warrants that the building designed by the supplier will not experience an occurrence of structural failure or an occurrence of structural damage due to improper structural design (excepting ventilation systems) on account of weather conditions, such as wind, ice, and snow, as indicated on the Sales Agreement, "Building Description Section". The foregoing warranty is limited to 50 years with respect to any Owner which is not an individual.
- B. Preservative Treated Materials: 50 years. Preservative treated lumber, including structural columns, are warranted by the original materials manufacturer against failures due to fungal decay and termite infestation.
- C. Roofing and Siding Finish, Lester UNI-RIB: Warranted by the original materials manufacturer for 40 years from the date of shipment. Refer to Warranty document for complete details.
- D. Individual Building Products: Manufacturer's standard warranty but not less than Two Years.
- E. Installation Warranty: Two year general installation warranty, five years against roof leaks.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Lester Building Systems, which is located at: 1111 2nd Ave. S. ; Lester Prairie, MN 55354; Toll Free Tel: 800-826-4439; Tel: 320-395-2531; Fax: 320-395-5393; Email: [request info \(info@lesterbuildings.com\)](mailto:info@lesterbuildings.com); Web: www.lesterbuildings.com
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 STRUCTURAL FRAMING

- A. Footings:
1. Embedded Column Footings:
 - a. Cast in place concrete footing of 3000 psi ready-mix concrete of size and thickness specified on construction drawings.
- B. Primary Framing:
1. Columns:
 - a. Treated Lumber Section:
 - 1) Lumber: No. 1 or Better Southern Yellow Pine, pressure treated with Chromated Copper Arsenate, Type III, to a retention of 0.6 pcf (9.6 kg/m³) and kiln dried after treating to 19 percent maximum moisture content.
 - 2) Fabrication: Laminate individual pieces using ring shank feed nails per manufacturer's engineered nailing pattern. Fasteners shall have ASTM A153 galvanizing.
 - b. Untreated Lumber Section:
 - 1) Lumber: Lumber: No. 1 or Better Southern Yellow Pine or Douglas Fir-Larch or other equivalent NDS approved species/grade kiln dried to 19 percent maximum moisture content.
 - 2) Fabrication: Laminate individual pieces using ring shank feed nails per manufacturer's engineered nailing pattern.
 - 3) Grade and size shall be selected to support imposed loads within deflection limits.
 - c. End Joint Connection of Treated and Untreated Sections: Factory fabricated finger joint.
 - d. Configuration:
 - 1) Sidewall and Endwall Columns: 3 ply or 4 ply combining 2x4, 2x6, 2x8, or 2x10 (50x150, 50x200, 50x250 mm) dimension lumber as required by "Structural Design" requirements specified herein.
 - 2) Corner Columns: 2 ply or 3 ply 2x4, 2x6 or 2x8 (50x150, 50x200 mm) dimension lumber as required by "Structural Design" requirements specified herein.
 - e. Embedded Column Anchorage:
 - 1) Anchor blocks factory adhered to column base.
 - 2) Concrete collar pinned to column base with steel reinforcing rods.
 - 3) Provide cast-in-place anchors per shop drawings.
 2. Trusses: Comply with "Structural Design" and "Quality Assurance" requirements as specified herein.
 - a. Comply with TPI "Design Specification for Metal Plate Connected Wood Trusses" and "Quality Standard for Metal Plate Connected Wood Trusses."

- b. Manufacturer shall have a third party inspection program to verify compliance with requirements of TPI.
 - c. Stamp trusses with inspection agency identification.
- C. Secondary Framing:
- 1. Purlins and Girts:
 - a. Lumber: No. 2 or Better dimension lumber kiln dried to 19 percent maximum moisture content.
 - b. Configuration: 2x4 or 2x6 (50x100, 50x150 mm) as required by "Structural Design" requirements specified herein.
 - 1) Girts: Size, grade and spacing to meet wind and deflection criterion.
 - a) Face mounted to exterior side of column.
 - 2) Purlins: Precision cut to fit between trusses flush with top of top chord. Provide 20 gauge galvanized purlin saddle hangers.
 - 2. Splashplank:
 - a. Lumber: No. 2 or Better Southern Yellow Pine, preservative treated, to a retention of 14 pcf (2.2 kg/m³) of micronized copper azole.
 - b. Configuration: 2x6 or 2x8 (50x 150 or 50x200 mm) dimension lumber. Milled S4S for single row and milled T&G for multiple rows.

2.3 METAL ROOFING

- A. Metal Roofing: UNI-RIB panel as manufactured by Lester Building Systems.
- 1. Material and Finish: 26 Gauge, ASTM A 653 (A 653 M), Structural Quality, Grade 80 (550) (formerly Grade E), galvanized steel with G60 (Z180) zinc coating both sides, Triple Spot Test.
 - a. Exterior Surface Finish:
 - 1) Bonderize and provide baked on primer and Valspar Weather-X (silicone polyester) finish coat, 0.9 mil (0.023 mm) minimum dry film thickness.
 - 2) Gloss (60 Degrees): ASTM D523, 20 to 80.
 - 3) Pencil Hardness: ASTM D3363, F to 2H.
 - 4) T-Bend: ASTM D4145: 2T to 4T.
 - 5) Color to be selected by Architect from manufacturers full range of colors.
 - 6)
 - 2. Configuration:
 - a. Roll-formed; 36 inch (915 mm) coverage width. Provide panels covering up to 35 foot (10.5 m) lengths in single pieces.
 - b. Four major corrugations, 7/8 inch (22 mm) high, spaced 12 inches (305 mm) on center with 3 minor corrugations, 1/8 inch (3mm) high, spaced 3 inches (76 mm) on center between each major corrugation.
 - c. Form one outboard corrugation as overlapping corrugation.
 - d. Form opposite outboard corrugation as underneath corrugation with full return leg to support side lap and a continuous anti-siphon drain channel.
 - e. Factory cut to required length.
 - 3. Material and Finish: As shown on Erection Drawings, except as specified herein.
 - B. Fasteners: Color coated No. 10 piercing screws with 1/4 inch (6 mm) hex head pre-assembled to 1/2 inch (13 mm) O.D. dome seal or bond seal galvanized steel and EPDM washers.

2.4 ROOFING ACCESSORIES

- A. Steel Ridge Cap:

1. The cap materials and construction shall match the roof steel materials and construction.
- B. Vents: Ridge vent, and/or low profile ridge ventilator as shown on drawings.
- C. Insulation: R-6.8 (R-1.2) Foil-faced foil bubble insulation as shown on drawings
- D. Eave Overhang Fascia Flashing:
 1. Size: 12 inches nominal.
 2. Fascia Flashing Color: Selected by Architect from Manufacturers full range of colors
 3. Vented Soffit Color: Selected by Architect from Manufacturers full range of colors.
- E. End Overhang Fascia Flashing:
 1. Size: 12 inches nominal.
 2. Fascia Flashing Color: Selected by Architect from Manufacturers full range of colors.
 3. Vented Soffit Color: Selected by Architect from Manufacturers full range of colors..
- F. Gutters and Downspouts: Provide manufacturer's standard gutters and downspouts as shown on Drawings.
- G. Closure Strips: Closed cell, 2 pcf density polyethylene foam, premolded to match configuration of panels.

2.5 SIDING

- A. Siding: UNI-RIB panel as manufactured by Lester Building Systems.
 1. Material and Finish: 29 Gauge, ASTM A 653 (A 653 M), Structural Quality, Grade 80 (550) (formerly Grade E), galvanized steel with G60 (Z180) zinc coating both sides, Triple Spot Test.
 - a. Exterior Surface Finish:
 - 1) Bonderize and provide baked on primer and Valspar Weather-X (silicone polyester) finish coat, 0.9 mil (0.023 mm) minimum dry film thickness.
 - 2) Gloss (60 Degrees): ASTM D523, 20 to 80.
 - 3) Pencil Hardness: ASTM D3363, F to 2H.
 - 4) T-Bend: ASTM D4145: 2T to 4T.
 - 5) Color: Selected by Architect from Manufacturers full range of colors.
 2. Configuration:
 - a. Roll-formed; 36 inch (915 mm) coverage width. Provide panels covering up to 35 foot (10.5 m) lengths in single pieces.
 - b. Four major corrugations, 7/8 inch (22 mm) high, spaced 12 inches (305 mm) on center with 3 minor corrugations, 1/8 inch (3 mm) high, spaced 3 inches (76 mm) on center between each major corrugation.
 - c. Form one outboard corrugation as overlapping corrugation.
 - d. Form opposite outboard corrugation as underneath corrugation with full return leg to support side lap and a continuous anti-siphon drain channel.
 - e. Factory cut to required length.
 - f. Factory miter cut gable ends.
 - g. Material and Finish: As shown on Erection Drawings, except as specified herein.
 - h. Fasteners: Color coated No. 10 piercing screws with 1/4 inch (6 mm) hex

head pre-assembled to 1/2 inch (13 mm) O.D. dome seal or bond seal galvanized steel and EPDM washers.

- B. Siding Accessories:
 - 1. Wall Trim and Flashings: Manufacturer's standard wall trim and flashings.
 - 2. Louvers: See contract documents for manufacturer, size and color.
 - 3. Closure Strips: Closed cell, 2 pcf (32 kg/m³) density polyethylene foam, premolded to match configuration of panels.
 - 4. Material and Finish: As shown on Erection Drawings, except as specified herein.

2.6 INSULATION

- A. Blanket Insulation: ASTM C 665, Type I, Class A, Unfaced Fiberglass Blanket.
 - 1. Thermal Resistance: R-19 (R-3.34).
 - 2. Thermal Resistance: R-49 (R-8.63).
 - 3. Physical Properties:
 - a. Flame Spread, ASTM E 84: Less than 25.
 - b. Smoke Developed, ASTM E 84: Less than 50.
- B. Building Insulation: R-4.7 (R-0.83) Foil-faced foil bubble insulation as shown on drawings

2.7 INTERIOR FINISH - WALLS AND CEILINGS

- A. Interior Finish Type: As selected by Architect. See contract documents for additional information.

2.8 JOINT SEALANT MATERIALS

- A. Sealant: Manus 75-A for applications that will not be painted, contains no solvents or isocyanates, non-yellowing.
 - 1. Color: Selected by Architect from manufacturers full range of colors.
- B. Sealant: Manus 75-AM for applications that will be painted, contains no solvents or isocyanates, non-yellowing. Use white or bronze color for nearest match to adjacent substrate.
 - 1. Color: Selected by Architect from manufacturers full range of colors.
- C. Tape Sealant: Manus-Bond 64-A Polysul Grip tape.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that site conditions are acceptable for erection/installation of pre-engineered wood building system.
- B. Coordinate with responsible entity to perform corrective work on unsatisfactory conditions.
- C. Commencement of work by erector/installer is acceptance of site conditions.

3.2 ERECTION- STRUCTURAL FRAMING

- A. Erect in accordance with manufacturer's instructions and approved shop drawings.

- B. Provide temporary erection and wind load bracing to maintain structure plumb and in alignment until installation of permanent bracing and/or roofing and wall coverings are completed.
- C. Do not field cut or alter structural members without approval of Architect and manufacturer.

3.3 INSTALLATION

- A. Erect building per manufacturer's instructions and sequencing.
- B. Metal Roofing:
 - 1. General: Install in accordance with manufacturer's instructions. Secure to structural framing aligned, level and plumb. Space fasteners as shown on Erection Drawings.
 - 2. Sidelap: Minimum one full corrugation.
 - 3. Endlap: 8 inches (200 mm) for slopes 4 in 12 to 5 in 12. Secure together over and to structural members.
 - 4. Accessories: Install as shown on Erection Drawings.

END OF SECTION



R G Architects, LLC

200 West Main Street
Middletown, DE 19709
302.376.8100
302.376.9851 fax
www.rgarchitects.net

RGA No. 16047
13 October 2017

ADDENDUM NO. 2

STATE OF DELAWARE OMB/DFM
DSCYF Storage Building 14
1825 Faulkland Rd.
Wilmington, DE 19901

R G Architects
200 West Main Street
Middletown, DE 19709
Phone: 302-376-8100 (phone)
Fax: 302-376-9851 (fax)
Email: chris@rgarchitects.net

BIDS DUE:

Thursday, October 19, 2017 at 2:00 p.m.

LOCATION:

**THOMAS COLLINS BUILDING
Division of Facilities Management Office
540 S. DuPont Highway, Suite 1 (Third Floor)
Dover, Delaware 19901
Attn: Robert Robinson**

NOTICE TO ALL BIDDERS

1.0 GENERAL NOTES:

- 1.1 Bidders are hereby notified that this Addendum shall be and hereby becomes part of their Contract Documents, and shall be attached to the Project Manual for this project.
- 1.2 The following items are intended to revise and clarify the Drawings and Project Manual, and shall be included by the Bidder in their proposal.
- 1.3 Bidders shall verify that their Sub-bidders are in full receipt of the information contained herein.
- 1.4 A copy of the current bid set register is available upon request indicating individuals that have purchased project documents from R G architects.
- 1.5 All addenda will be sent out to the registered plan holders via email . Contractors are encouraged to keep an eye on their email accounts during the bidding period for such updates.

2.0 Revisions to the SPECIFICATIONS

2.1 00 00 00 – SECTION; None.

3.0 Revisions to the DRAWINGS

3.1 Drawings XX-X; None.

4.0 Questions

4.1 Question - On A3-1 Detail 4 they call for 18” DIA x 12” THK Reinforced footings but they reinforcement is not called out, please provide size & spacing for reinforcing.

4.1.1 Answer – Reinforcing is not required.

4.2 Question - On A3-1 Detail 4 it appears to show rebar in the turndown of the approach pads, please clarify with size and spacing if required.

4.2.1 Answer – (Bent bars) Provide #4’s at 24”o.c. (28”vert x 18” horiz.) and (3) #5’s Cont. @ 24” o.c. vertical.

4.3 Question - I noticed in the spec book there isn't a performance bond. There is a payment bond but no performance bond.

4.3.1 Answer – A performance bond IS required. It was inadvertently left out of the specification book. The performance and payment bonds are attached.

6.0 ATTACHMENT LIST:

- A. Bid Register Updated
- B. Performance and Payment Bonds

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET

PERFORMANCE BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS, that we, _____, as principal (“**Principal**”), and _____, a _____ corporation, legally authorized to do business in the State of Delaware, as surety (“**Surety**”), are held and firmly bound unto the _____ (“**Owner**”) (*insert State agency name*), in the amount of _____ (\$_____), to be paid to **Owner**, for which payment well and truly to be made, we do bind ourselves, our and each and every of our heirs, executors, administrations, successors and assigns, jointly and severally, for and in the whole, firmly by these presents.

Sealed with our seals and dated this _____ day of _____, 20__.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH, that if **Principal**, who has been awarded by **Owner** that certain contract known as Contract No. _____ dated the _____ day of _____, 20__ (the “Contract”), which Contract is incorporated herein by reference, shall well and truly provide and furnish all materials, appliances and tools and perform all the work required under and pursuant to the terms and conditions of the Contract and the Contract Documents (as defined in the Contract) or any changes or modifications thereto made as therein provided, shall make good and reimburse **Owner** sufficient funds to pay the costs of completing the Contract that **Owner** may sustain by reason of any failure or default on the part of **Principal**, and shall also indemnify and save harmless **Owner** from all costs, damages and expenses arising out of or by reason of the performance of the Contract and for as long as provided by the Contract; then this obligation shall be void, otherwise to be and remain in full force and effect.

Surety, for value received, hereby stipulates and agrees, if requested to do so by **Owner**, to fully perform and complete the work to be performed under the Contract pursuant to the terms, conditions and covenants thereof, if for any cause **Principal** fails or neglects to so fully perform and complete such work.

Surety, for value received, for itself and its successors and assigns, hereby stipulates and agrees that the obligation of **Surety** and its bond shall be in no way impaired or affected by any extension of time, modification, omission, addition or change in or to the Contract or the work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provisions thereof, or by any assignment, subletting or other transfer thereof or of any work to be performed or any monies due or to become due thereunder; and **Surety** hereby waives notice of any and all such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers and hereby expressly stipulates and agrees that any and all things done and omitted to be done by and in relation to assignees,

subcontractors, and other transferees shall have the same effect as to **Surety** as though done or omitted to be done by or in relation to **Principal**.

Surety hereby stipulates and agrees that no modifications, omissions or additions in or to the terms of the Contract shall in any way whatsoever affect the obligation of **Surety** and its bond.

Any proceeding, legal or equitable, under this Bond may be brought in any court of competent jurisdiction in the State of Delaware. Notices to **Surety** or Contractor may be mailed or delivered to them at their respective addresses shown below.

IN WITNESS WHEREOF, **Principal** and **Surety** have hereunto set their hand and seals, and such of them as are corporations have caused their corporate seal to be hereto affixed and these presents to be signed by their duly authorized officers, the day and year first above written.

PRINCIPAL

Name: _____

Witness or Attest: Address: _____

(SEAL)

Name:

(Corporate Seal)

By: _____

Name:

Title:

SURETY

Name: _____

Witness or Attest: Address: _____

(SEAL)

Name:

(Corporate Seal)

By: _____

Name:

Title:

STATE OF DELAWARE
OFFICE OF MANAGEMENT AND BUDGET

PAYMENT BOND

Bond Number: _____

KNOW ALL PERSONS BY THESE PRESENTS, that we, _____, as principal (“**Principal**”), and _____, a _____ corporation, legally authorized to do business in the State of Delaware, as surety (“**Surety**”), are held and firmly bound unto the _____ (“**Owner**”) (*insert State agency name*), in the amount of _____ (\$ _____), to be paid to **Owner**, for which payment well and truly to be made, we do bind ourselves, our and each and every of our heirs, executors, administrations, successors and assigns, jointly and severally, for and in the whole firmly by these presents.

Sealed with our seals and dated this _____ day of _____, 20__.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH, that if **Principal**, who has been awarded by **Owner** that certain contract known as Contract No. _____ dated the _____ day of _____, 20__ (the “Contract”), which Contract is incorporated herein by reference, shall well and truly pay all and every person furnishing materials or performing labor or service in and about the performance of the work under the Contract, all and every sums of money due him, her, them or any of them, for all such materials, labor and service for which **Principal** is liable, shall make good and reimburse **Owner** sufficient funds to pay such costs in the completion of the Contract as **Owner** may sustain by reason of any failure or default on the part of **Principal**, and shall also indemnify and save harmless **Owner** from all costs, damages and expenses arising out of or by reason of the performance of the Contract and for as long as provided by the Contract; then this obligation shall be void, otherwise to be and remain in full force and effect.

Surety, for value received, for itself and its successors and assigns, hereby stipulates and agrees that the obligation of **Surety** and its bond shall be in no way impaired or affected by any extension of time, modification, omission, addition or change in or to the Contract or the work to be performed thereunder, or by any payment thereunder before the time required therein, or by any waiver of any provisions thereof, or by any assignment, subletting or other transfer thereof or of any work to be performed or any monies due or to become due thereunder; and **Surety** hereby waives notice of any and all such extensions, modifications, omissions, additions, changes, payments, waivers, assignments, subcontracts and transfers and hereby expressly stipulates and agrees that any and all things done and omitted to be done by and in relation to assignees, subcontractors, and other transferees shall have the same effect as to **Surety** as though done or omitted to be done by or in relation to **Principal**.

Surety hereby stipulates and agrees that no modifications, omission or additions in or to the terms of the Contract shall in any way whatsoever affect the obligation of **Surety** and its bond.

Any proceeding, legal or equitable, under this Bond may be brought in any court of competent jurisdiction in the State of Delaware. Notices to **Surety** or Contractor may be mailed or delivered to them at their respective addresses shown below.

IN WITNESS WHEREOF, **Principal** and **Surety** have hereunto set their hand and seals, and such of them as are corporations have caused their corporate seal to be hereto affixed and these presents to be signed by their duly authorized officers, the day and year first above written.

PRINCIPAL

Name: _____

Witness or Attest: Address: _____

(SEAL)

Name:

(Corporate Seal)

By: _____

Name:

Title:

SURETY

Name: _____

Witness or Attest: Address: _____

(SEAL)

Name:

(Corporate Seal)

By: _____

Name:

Title: