

ARTHUR KUCKES CHILDCARE CENTER

**Tompkins Cortland Community College
170 North Street, Dryden, New York**

PROJECT MANUAL: VOLUME 1 with ADD #1; ADD #2; ADD#3; ADD#4 2-28-18
Project # 18-101 February.1, 2018

CLAUDIA BRENNER DESIGN

421 N. Aurora Street, Ithaca, New York 14850
607-275-0715

DENDE ENGINEERING

Structural Engineering

40 Ridge Road, Lansing, New York 14882
607-533-7719

T.G. MILLER, P.C.

Engineers & Surveyors

203 N. Aurora Street, Ithaca, NY 14850
607-272-6477

JADE STONE ENGINEERING, PLLC

Mechanical, Electrical, Plumbing

444 Vanduzee Street, Watertown, NY 13601
315-836-4062

TROWBRIDGE, WOLF MICHAELS

Landscape Architects

1001 W. Seneca St. Suite 101, Ithaca, NY 14850
607-277-1400

RAN FIRE PROTECTION ENGINEERING

1062 Central Avenue, Albany, NY 12205
518-275-0791

This is to certify that to the best of our knowledge, information and belief-these plans and specifications are in accordance with applicable requirements of the New York State Building Code, The New York State Energy Conservation Construction Code.



ARTHUR KUCKES CHILDCARE CENTER

**Tompkins Cortland Community College
170 North Street, Dryden, New York**

PROJECT MANUAL: VOLUME 2 with ADD #1; ADD #2; ADD#3; ADD#4 2- 28-18
Project # 18-101 Feb.1, 2018

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421 N. Aurora Street, Ithaca, New York 14850
607-275-0715

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ARTHUR KUCKES CHILDCARE CENTER
Tompkins Cortland Community College
170 North Street, Dryden, New York

SPECIFICATIONS: VOLUME 2 with BID ADDENDA #1; #2; #3, #4

TABLE OF CONTENTS:

Division 21	-	Fire Suppression
21 05 24	-	Backflow Preventers
21 05 29	-	Pipe Hangers and Supports
21 13 00	-	<u>Sprinkler Piping</u>
21 13 13	-	<u>Sprinkler Systems</u>
Division 22	-	Plumbing
22 05 10	-	<u>Basic Plumbing Requirements</u>
22 05 15	-	<u>Plumbing Firestopping</u>
22 05 16	-	<u>Expansion Fittings and Loops for Plumbing Piping</u>
22 05 48	-	<u>Plumbing Vibration and Seismic Controls</u>
22 05 53	-	<u>Plumbing Identification</u>
22 07 19	-	<u>Plumbing Piping Insulation</u>
22 10 05	-	<u>Plumbing Piping</u>
22 10 06	-	<u>Plumbing Piping Specialties</u>
22 30 00	-	<u>Plumbing Equipment</u>
22 40 00	-	<u>Plumbing Fixtures</u>
Division 23	-	HVAC
23 05 10	-	<u>Basic Mechanical Requirements</u>
23 05 15	-	<u>Mechanical Firestopping</u>
23 05 16	-	<u>Expansion Fittings and Flexible Connections</u>
23 05 48	-	<u>Vibration and Seismic Controls for HVAC Piping and Equipment</u>
23 05 53	-	<u>Identification for HVAC Piping and Equipment</u>
23 05 93	-	<u>Testing, Adjusting, and Balancing for HVAC</u>
23 07 13	-	<u>Duct Insulation</u>
23 07 19	-	<u>Piping and Equipment Insulation</u>
23 09 00	-	<u>Building Automation System</u>
23 21 13	-	<u>Hydronic Piping</u>
23 21 14	-	<u>Hydronic Specialties</u>
23 21 23	-	<u>Hydronic Pumps</u>
23 25 00	-	<u>HVAC Water Treatment</u>
23 31 00	-	<u>HVAC Ducts and Casings</u>
23 33 00	-	<u>Air Duct Accessories</u>
23 34 16	-	<u>Centrifugal HVAC Fans</u>
23 37 00	-	<u>Air Outlets and Inlets</u>

23 38 13	-	<u>Commercial Kitchen Hoods</u>
23 52 16	-	<u>Condensing Boilers</u>
23 64 23	-	<u>Scroll Water Chillers</u>
23 81 01	-	<u>Terminal Heat Transfer Units</u>
23 83 00	-	<u>Radiant Heating Loops</u>
23 90 00	-	<u>Enclosed HVAC Adjustable Frequency Drive</u>
Division 26	-	Electrical
26 05 10	-	<u>Basic Electrical Requirements</u>
26 05 19	-	<u>Low Voltage Electrical Power Conductors and Cables</u>
26 05 26	-	<u>Grounding and Bonding for Electrical Systems</u>
26 05 29	-	<u>Hangers and Supports for Electrical Systems</u>
26 05 34	-	<u>Conduit</u>
26 05 37	-	<u>Boxes</u>
26 05 43	-	<u>Underground Electrical Work</u>
26 05 53	-	<u>Identification for Electrical Systems</u>
26 09 23	-	<u>Lighting Control Devices</u>
26 09 23	-	<u>Automatic Lighting Controls and Devices</u>
26 24 16	-	<u>Panelboards</u>
26 27 17	-	<u>Equipment Wiring</u>
26 27 26	-	<u>Wiring Devices</u>
26 36 00	-	<u>Transfer Switches</u>
26 51 00	-	<u>Interior Lighting</u>
26 56 19	-	<u>Exterior LED Lighting</u>
Division 27	-	Communications
27 10 05	-	<u>Structured Cabling for Voice and Data – Inside-Plant</u>
Division 28	-	Electronic Safety and Security
28 46 00	-	<u>Fire Detection and Alarm</u>
Division 31	-	Earthwork
31 00 00	-	Earthwork
31 10 00	-	Site Clearing and Demolition
Division 32	-	Exterior Improvements
32 12 00	-	Asphalt Concrete Paving
32 13 00	-	Concrete Paving
32 14 40	-	Stone Paving
32 16 00	-	Curbs
32 17 00	-	Traffic Control Devices and Markings
32 18 16	-	Playground Protective Surfacing
32 31 13	-	<u>Chain Link Fences and Gates</u>
32 31 19	-	Decorative Metal fences and gates
32 91 19	-	Soil Preparation
32 92 00	-	Turfs and Grasses
32 93 00	-	Plants

Division 33	-	Utilities
33 10 00	-	Water Distribution
33 13 00	-	Hydrostatic Testing and Disinfection of Water System
33 30 00	-	Sanitary Sewerage
33 40 00	-	Storm Sewerage

ARTHUR KUCKES CHILDCARE CENTER
Tompkins Cortland Community College
170 North Street, Dryden, New York

SPECIFICATIONS: VOLUME 1 with BID ADDENDA #1; #2;#3,#4

TABLE OF CONTENTS:

Division 0	-	Procurement and Contracting Requirements
00 00 03	-	<u>Table of Contents</u>
00 11 13	-	Advertisement for Bids
00 11 16	-	Invitation to Bid
00 22 10	-	Instructions to Bidders (AIA Document A701-1997)
00 22 13	-	Supplementary Instructions to Bidders
00 25 13	-	Prebid meetings
00 31 32.	-	Geotechnical data
00 41 16 A	-	<u>Bid Form – G.C. Stipulated Sum (Multiple Prime Contract)</u>
00 41 16 B	-	<u>Bid Form – Electrical Stipulated Sum (Multiple Prime Contract)</u>
00 41 16 C	-	<u>Bid Form – HVAC Stipulated Sum (Multiple Prime Contract)</u>
00 41 16 D	-	<u>Bid Form – Plumbing Stipulated Sum (Multiple Prime Contract)</u>
00 41 16 E	-	<u>Bid Form – Civil Construction Stipulated Sum (Multiple Prime Contract)</u>
00 43 00	-	Tax Exemption Statement
00 43 13	-	Bid Security Forms (AIA Document A310 – 2010)
00 43 22	-	<u>Unit Prices Form ADD#4</u>
00 43 23	-	Alternates Form
00 52 00	-	Form of Agreement
00 60 00	-	Forms
00 70 00	-	General Conditions (AIA Document A201 2007)
00 91 31	-	<u>Bid Addenda #1</u>
00 91 31B	-	<u>Bid Addenda #2 ADD #2</u>
00 91 31C	-	<u>Bid Addenda #3 ADD #3</u>
00 91 31D	-	<u>Bid Addenda #4 ADD #4</u>
Division 1	-	General Requirements
01 10 00	-	Summary
01 12 00	-	<u>Multiple Contract Summary ADD#4</u>
01 22 00	-	Unit Prices
01 23 00	-	<u>Alternates ADD #3</u>
01 25 00	-	Substitution Procedures
01 26 00	-	Contract Modification Procedures
01 29 00	-	Payment Procedures
01 31 00	-	<u>Project Management and Coordination</u>
01 32 00	-	Construction Progress Documentation
01 33 00	-	Submittal Procedures
01 40 00	-	Quality Requirements
01 45 33	-	Structural Tests and Special Inspection
01 50 00	-	Temporary Facilities and Controls
01 57 00	-	Stormwater Pollution Prevention Plan

01 60 00	-	Product Requirements
01 73 00	-	Execution
01 73 30	-	Cutting and Patching Exterior Pavements
01 77 00	-	Closeout Procedures
01 78 23	-	<u>Operation and Maintenance Data</u>
01 78 39	-	Project Record Documents
01 79 00	-	Demonstration and Training
Division 3	-	Concrete
03 20 00	-	Concrete Reinforcing
03 30 00	-	Cast in Place Concrete
Division 4	-	Masonry
04 00 00	-	Unit Masonry
04 43 00	-	Stone Masonry Walls
Division 5	-	Metals
05 12 00	-	Structural Steel Framing
05 21 00	-	Steel Joist Framing
05 31 23	-	Steel Roof Decking
05 40 00	-	Cold-Formed Metal Framing
Division 6	-	Wood and Plastics
06 10 00	-	Rough Carpentry
06 16 00	-	Sheathing
06 20 13	-	Exterior Finish Carpentry
06 20 23	-	Interior Finish Carpentry
Division 7	-	Thermal and Moisture Protection
07 11 00	-	Bituminous Dampproofing
07 21 00	-	<u>Thermal Insulation</u>
07 31 13	-	Asphalt Shingles
07 41 13	-	Standing seam metal roof panels
07 42 13.	-	Formed Metal Wall Panels
07 42 13.19	-	Insulated Metal Wall Panels
07 54 00	-	<u>Thermoplastic Membrane Roofing</u>
07 62 00	-	Sheet Metal Flashing and Trim
07 71 00	-	Roof Specialties
07 72 00	-	Roof Accessories:
07 92 00	-	Joint Sealants
07 95 00	-	<u>Expansion Control</u>
Division 8	-	Doors and Windows
08 11 13	-	Hollow Metal Doors and Frames
08 14 33	-	Stile and Rail Wood Doors
08 16 00	-	Molded Wood Composite Doors
08 41 00	-	Aluminum Framed Entrances and Storefronts
08 50 00	-	Aluminum Windows
08 71 00	-	<u>Door Hardware</u>
08 80 00	-	Glazing
08 83 00	-	Mirrors

Division 9	-	Finishes
09 22 16	-	Non-Structural Metal Framing
09 29 00	-	Gypsum Board
09 30 00	-	Tiling
09 51 13	-	Acoustical Panel Ceilings
09 65 13	-	Resilient Base and Accessories
09 65 19	-	Resilient Tile Flooring
09 68 13	-	Tile Carpeting
09 81 16	-	Acoustical blanket insulation
09 91 13	-	Exterior Painting
09 91 23	-	Interior Painting, Staining & Finishing

Division 10	-	Specialties
10 14 19	-	Dimensional Letter Signage
10 14 23	-	Panel Signage
10 20 00	-	Specialties
10 21 13	-	Toilet Privacy Screens
10 28 00	-	Toilet Accessories
10 44 16	-	Fire Extinguishers
10 57 23	-	Closet and Utility Shelving

Division 11	-	Equipment
11 68 00	-	Playground Equipment

Division 12	-	Furnishings
12 24 13	-	Roller Window Shades
12 32 00	-	Manufactured Wood Casework
12 36 23	-	Plastic-Laminate-Clad Countertops
12 36 61.16	-	Simulated Stone Countertops

SPECIFICATIONS: VOLUME 2

Division 21	-	Fire Suppression
21 05 24	-	Backflow Preventers
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Section 004116 A – CONTRACT A

BID FORM GENERAL CONSTRUCTION CONTRACT. - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: **General Construction Contract**
- C. Project Name: **New Construction for: Arthur Kuckes Childcare Center**
- D. Project Location: **Tompkins Cortland Community College**
- E. Owner: **Tompkins Cortland Community College**
- F. Architect: **Claudia Brenner Design**
- G. Architect Project Number: **18-101**

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Multiple-Prime (Single-Trade) Contract for **General Construction** Work: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Claudia Brenner Design and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services, including all scheduled allowances, necessary to complete the construction of **General Construction** Work for above-named Project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. _____ Dollars (\$_____).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Bid Supplement - Alternates and Bid Supplement - Unit Prices.

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - 1. _____ Dollars (\$_____).
- B. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before 12-15-18.

1.5 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
 - 1. Addendum No. 1, dated 2-19-18_____.
 - 2. Addendum No. 2, dated 2-22-18_____.
 - 3. Addendum No. 3, dated 2-26-18_____.
 - 4. Addendum No. 4, dated 2-28-18_____.

1.6 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto:
 - 1. Bid Form Supplement - Alternates.
 - 2. Bid Form Supplement – Unit Prices.
 - 3. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.7 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in Tompkins County, State of New York, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.8 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By _____(Name of bidding firm or corporation).
- C. Authorized Signature : _____(Handwritten signature).
- D. Signed By : _____(Type or print name).
- E. Title : _____(Owner/Partner/President/Vice President).
- F. Witnessed By : _____(Handwritten signature).
- G. Attest : _____(Handwritten signature).
- H. By : _____(Type or print name).
- I. Title : _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____(Affix Corporate Seal Here).

END OF SECTION

Section 004116 B – CONTRACT B

BID FORM Electrical - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: **Electrical Contract**
- C. Project Name: : **New Construction for: Arthur Kuckes Childcare Center**
- D. Project Location: **Tompkins Cortland Community College**
- E. Owner: **Tompkins Cortland Community College**
- F. Architect: **Claudia Brenner Design**
- G. Architect Project Number: **18-101**

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Multiple-Prime (Single-Trade) Contract for **Electrical** Work: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Claudia Brenner Design and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services, including all scheduled allowances, necessary to complete the construction of **Electrical** Work for above-named Project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. _____ Dollars (\$_____).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Bid Supplement - Alternates and Bid Supplement - Unit Prices.

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - 1. _____ Dollars (\$_____).
- B. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before 12-15-18.

1.5 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- 1. Addendum No. 1, dated 2-19-18_____.
- 2. Addendum No. 2, dated 2-22-18_____.
- 3. Addendum No. 3, dated 2-26-18_____.
- 4. Addendum No. 4, dated 2-28-18_____.

1.6 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto:
 - 1. Bid Form Supplement - Alternates.
 - 2. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.7 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in Tompkins County, State of New York, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.8 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By: _____(Name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).
- F. Witnessed By: _____(Handwritten signature).
- G. Attest: _____(Handwritten signature).
- H. By: _____(Type or print name).
- I. Title: _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____(Affix Corporate Seal Here).

END OF SECTION

Section 004116 C –CONTRACT C

BID FORM HVAC - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: **HVAC Contract**
- C. Project Name: **New Construction for: Arthur Kuckes Childcare Center**
- D. Project Location: **Tompkins Cortland Community College**
- E. Owner: **Tompkins Cortland Community College**
- F. Architect: **Claudia Brenner Design**
- G. Architect Project Number: **18-101**

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Multiple-Prime (Single-Trade) Contract for **HVAC Work**: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Claudia Brenner Design and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services, including all scheduled allowances, necessary to complete the construction of **HVAC Work** for above-named Project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. _____ Dollars (\$_____).
 - 2. The above amount may be modified by amounts indicated by the Bidder on the attached Bid Supplement - Alternates and Bid Supplement - Unit Prices.

1.3 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:
 - 1. _____ Dollars (\$_____).
- B. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.4 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before 12-15-18

1.5 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- 1. Addendum No. 1, dated 2-19-18 _____.
- 2. Addendum No. 2, dated 2-22-18 _____.
- 3. Addendum No. 3, dated 2-26-18 _____.
- 4. Addendum No. 4, dated 2-28-18 _____.

1.6 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto:
 - 1. Bid Form Supplement - Alternates.
 - 2. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.7 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in Tompkins County, State of New York, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.8 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By: _____(Name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).
- F. Witnessed By: _____(Handwritten signature).
- G. Attest: _____(Handwritten signature).
- H. By: _____(Type or print name).
- I. Title: _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____(Affix Corporate Seal Here).

END OF SECTION

Section 004116 D – CONTRACT D

BID FORM Plumbing - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

1.1 BID INFORMATION

A. Bidder: _____.

B. Prime Contract: **Plumbing Contract**

C. Project Name: **New Construction for: Arthur Kuckes Childcare Center**

D. Project Location: **Tompkins Cortland Community College**

E. Owner: **Tompkins Cortland Community College**

F. Architect: **Claudia Brenner Design**

G. Architect Project Number: **18-101**

H. CERTIFICATIONS AND BASE BID

I. Base Bid, Multiple-Prime (Single-Trade) Contract for **Plumbing** Work: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Claudia Brenner Design and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services, including all scheduled allowances, necessary to complete the construction of **Plumbing** Work for above-named Project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

1. _____ Dollars (\$_____).
2. The above amount may be modified by amounts indicated by the Bidder on the attached Bid Supplement - Alternates and Bid Supplement - Unit Prices.

1.2 BID GUARANTEE

A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars (\$_____).

B. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.3 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before 12-15-18.

1.4 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- 1. Addendum No. 1, dated 2-19-18 _____.
- 2. Addendum No. 2, dated 2-22-18 _____.
- 3. Addendum No. 3, dated 2-26-18 _____.
- 4. Addendum No. 4, dated 2-28-18 _____.

1.5 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto:

- 1. Bid Form Supplement - Alternates.
- 2. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.6 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in Tompkins County, State of New York, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.7 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By: _____(Name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).
- F. Witnessed By: _____(Handwritten signature).
- G. Attest: _____(Handwritten signature).
- H. By: _____(Type or print name).
- I. Title: _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____(Affix Corporate Seal Here).

END OF SECTION

Section 004116 E – CONTRACT E

BID FORM Civil Construction. - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

1.1 BID INFORMATION

A. Bidder: _____.

B. Prime Contract: **Civil Construction Contract**

C. Project Name: **New Construction for: Arthur Kuckes Childcare Center**

D. Project Location: **Tompkins Cortland Community College**

E. Owner: **Tompkins Cortland Community College**

F. Architect: **Claudia Brenner Design**

G. Architect Project Number: **18-101**

H. CERTIFICATIONS AND BASE BID

I. Base Bid, Multiple-Prime (Single-Trade) Contract for **Civil Construction** Work: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Claudia Brenner Design and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment, and services, including all scheduled allowances, necessary to complete the construction of **Civil Construction** Work for above-named Project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

1. _____ Dollars (\$_____).

2. The above amount may be modified by amounts indicated by the Bidder on the attached Bid Supplement - Alternates and Bid Supplement - Unit Prices.

1.2 BID GUARANTEE

A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within **10** days after a written Notice of Award, if offered within **60** days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars (\$_____).

B. In the event Owner does not offer a Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

ARTHUR KUCKES CHILDCARE CENTER

BID FORM CIVIL CONSTRUCTION. - STIPULATED SUM (MULTIPLE-PRIME CONTRACT)

004116 E - 1

1.3 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect, and shall fully complete the Work on or before 12-15-18.

1.4 ACKNOWLEDGEMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:

- 1. Addendum No. 1, dated 2-19-18 _____.
- 2. Addendum No. 2, dated 2-22-18 _____.
- 3. Addendum No. 3, dated 2-26-18 _____.
- 4. Addendum No. 4, dated 2-28-18 _____.

1.5 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto:

- 1. Bid Form Supplement - Alternates.
- 2. Bid Form Supplement – Unit Prices.
- 3. Bid Form Supplement - Bid Bond Form (AIA Document A310).

1.6 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed Contractor, for the type of work proposed, in Tompkins County, State of New York, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.7 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By : _____(Name of bidding firm or corporation).
- C. Authorized Signature : _____(Handwritten signature).
- D. Signed By : _____(Type or print name).
- E. Title : _____(Owner/Partner/President/Vice President).
- F. Witnessed By : _____(Handwritten signature).
- G. Attest : _____(Handwritten signature).
- H. By : _____(Type or print name).
- I. Title : _____(Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No. : _____(Affix Corporate Seal Here).

END OF SECTION

Document 004322
UNIT PRICES FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: **New Construction for: Arthur Kuckes Childcare Center**
- C. Project Location: **Tompkins Cortland Community College**
- D. Owner: **Tompkins Cortland Community College**
- E. Architect: **Claudia Brenner Design**
- F. Architect Project Number: **18-101**

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work.
- C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.3 UNIT PRICES

- A. Unit-Price No. 1:
 - 1. Asphalt Pavement Restoration Dollars (\$_____) per SQ. FT.
- B. Unit-Price No. 2:
 - 1. Concrete Sidewalks Dollars (\$_____) per SQ. FT.
- C. Unit Price No 3:
 - 1. Structural Fill (including compaction)
 - Dollars (\$_____) per Cubic Yard

1.4 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this ____ day of _____, 20__.
- B. Submitted By: _____(Insert name of bidding firm or corporation).
- C. Authorized Signature: _____(Handwritten signature).
- D. Signed By: _____(Type or print name).
- E. Title: _____(Owner/Partner/President/Vice President).

END OF DOCUMENT

CLAUDIA BRENNER DESIGN

421 N. Aurora Street, Ithaca, New York 14850

cbrenner@claudiabrennerdesign.com

ARTHUR KUCKES CHILDCARE CENTER

Tompkins Cortland Community College

170 North Street, Dryden, New York

BID ADDENDA # 4

Project # 18-101 February 28, 2018

The following addenda #4 is issued in response to submitted RFIs (Request for Information) and corrections and clarifications to the distributed BID SET dated Feb, 1, 2018; ADD #1,ADD#2, ADD#3

This addenda has been added to the specifications as Section 00 91 31D Addenda #4

All documents procured through Dataflow; as per Invitation for Bids Section 00 11 16; 1.5

This addenda specification sections, listed below.

SPECIFICATIONS:

The following specification sections had additions, deletions or clarifications of content and are identified in the Table of Contents and below by *ITALICS* and underline ADD#4

00 42 22 - *Unit Prices Form* 1.3C **DELETE** and inspection
01 12 00 - *Multiple Contract Summary* ADD#4 **ADD** to 1.5 General Building
Construction Contract Line A. 6: structural fill from bottom of footer to underside of slab

Bid forms have been modified to include the date of Feb 27, 2018 Addenda #4 and are identified in the Table of Contents and below with an underline

00 41 16 A - Bid Form – G.C. Stipulated Sum (Multiple Prime Contract)
00 41 16 B - Bid Form – Electrical Stipulated Sum (Multiple Prime Contract)
00 41 16 C - Bid Form – HVAC Stipulated Sum (Multiple Prime Contract)
00 41 16 D - Bid Form – Plumbing Stipulated Sum (Multiple Prime Contract)
00 41 16 E - Bid Form – Civil Construction Stipulated Sum (Multiple Prime Contract)

REQUEST FOR INFORMATION (RFI)

BID RFI #10 Request by FAHS Construction. dated 2-28-18

1. In the meeting notes it states that the “structural fill/testing by owner rep – will be clarified in addenda”. I can’t find this in the addenda. Who is responsible?

ANSWER: Owner responsible for testing see Unit Pricing Form ADD #4

2. At what elevation is the site contractor to leave the building pad at? On sheet S-1 it looks like the fill stops at BOF which is 1217.2

ANSWER: CIVIL Contract to bottom of footer; see 01 12 00 Multiple Contract Summary ADD#4



END OF ADDENDA #4

SECTION 011200

MULTIPLE CONTRACT SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Requirements:
 - 1. Section 011000 "Summary" for the Work covered by the Contract Documents, restrictions on use of Project site, phased construction, coordination with occupants, and work restrictions.
 - 2. Section 013100 "Project Management and Coordination" for general coordination requirements.

1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which roofing is insulated and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.

1.4 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the Agreement contains a more specific description of the Work of each Contract, requirements indicated on Drawings and in Specification Sections determine which contract includes a specific element of Project.
 - 1. Unless otherwise indicated, the work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
 - 2. Trenching and backfilling for the work of each contract shall be the work of each contract for its own work
 - 3. Blocking, backing panels, sleeves, and metal fabrication supports for the work of each

- contract shall be the work of each contract for its own work.
4. Furnishing of access panels for the work of each contract shall be the work of each contract for its own work. Installation of access panels shall be the work of each contract for its own work.
 5. Equipment pads for the work of each contract shall be the work of each contract for its own work.
 6. Roof-mounted equipment curbs for the work of each contract shall be the work of each contract for its own work.
 7. Painting for the work of each contract shall be the work of each contract for its own work.
 8. Cutting and Patching: Provided under each contract for its own work.
 9. Roof penetrations for HVAC and roof drains shall be provided by the General Construction Contract
 10. Through-penetration or firestopping for the work of each contract shall be provided by each contract for its own work.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the work.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 015000 "Temporary Facilities and Controls," each contractor is responsible for the following:
1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 3. Its own field office, complete with necessary furniture, utilities, and telephone service.
 4. Its own storage and fabrication sheds.
 5. Temporary enclosures for its own construction activities.
 6. Staging and scaffolding for its own construction activities.
 7. General hoisting facilities for its own construction activities, up to 2 tons.
 8. Waste disposal facilities, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.
 9. Progress cleaning of work areas affected by its operations on a daily basis.
 10. Secure lockup of its own tools, materials, and equipment.
 11. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
- D. Temporary Heating, Cooling, and Ventilation: The General Building Construction Contract is responsible for temporary heating, cooling, and ventilation before weathertight enclosure of building is complete. The HVAC Contract is responsible for temporary heating, cooling, and ventilation after permanent enclosure of building is complete and Owner will pay utility-use charges.
- E. Use Charges: Comply with the following:
1. Sewer Service: The Owner will be responsible for the cost for sewer service use by all parties engaged in construction activities at Project site.
 2. Temporary Toilet Facilities: Include the cost for Temporary toilet facilities for use by all parties engaged in the construction activities at Project site in the General Building

- Construction Contract.
3. Water Service: The Owner will be responsible for the cost for water service, whether metered or otherwise, for water used by all entities engaged in construction activities at Project site.
 4. Electric power service: The Owner will be responsible for the cost for electricity, whether metered or otherwise, for electricity used by all entities engaged in construction activities at Project site.

1.5 GENERAL BUILDING CONSTRUCTION CONTRACT

- A. Work in the General Building Construction Contract includes, but is not limited to, the following:
1. Remaining work not identified as work under other contracts.
 2. DELETED.
 3. DELETED
 4. DELETED
 5. Foundations, including footings, foundation walls, foundation drains, concrete patios under canopies; (at covered entry patio, infant covered patio, toddler covered patio, preschool covered patio), mechanical equipment slab, sidewalk adjacent to building at West Exit, landing at East Exit, sidewalk Outside Art Room to toddler patio, sidewalk Outside Art Room to preschool patio, slab West Outside closet, slab East Outside closet, slab Outside Art Room.
 6. Slabs-on-grade, including earthwork, sub drainage systems, and insulation, structural fill from bottom of footer to underside of slab
 7. Below-grade building construction, including thermal and moisture protection.
 8. Superstructure, including floor and roof construction.
 9. Exterior closure, including walls, parapets, doors, windows, insulated metal wall panels; metal wall panels, soffits, and louvers.
 10. Roofing, including coverings, flashings and roof specialties.
 11. Interior construction, including partitions, doors, interior glazed openings, and fittings.
 12. Fire-protection specialties.
 13. Interior finishes, floorings, finish carpentry, manufactured casework, specialty casework, and window treatments.
 14. Miscellaneous items, including concrete equipment bases and painting of mechanical and electrical work except as follows:
 15. Equipment, including the following:
 - a. Visual display rails, room identification signage
- B. Temporary facilities and controls in the General Building Construction Contract include, but are not limited to, the following:
1. Temporary facilities and controls that are not otherwise specifically assigned to the Plumbing Contract, Mechanical Contract, Electrical Contract, and Civil Contract.
 2. Temporary enclosure for building exterior, except as indicated.
 3. Dewatering facilities and drains.
 4. Excavation support and protection, unless required solely for the Work of another contract.
 5. Project identification and temporary signs.

6. General waste disposal facilities.
7. Temporary stairs.
8. Temporary fire-protection facilities.
9. Lights.
10. DELETED.
11. DELETED.
12. Security enclosure and lockup.
13. Environmental protection.
14. Restoration of Owner's existing facilities if used as temporary facilities.
15. Sanitary Facilities: Provide temporary toilets, wash facilities and drinking water for use of all construction personnel.

1.6 PLUMBING/FIRE PROTECTION CONTRACT

A. Work in the Plumbing Contract includes, but is not limited to, the following:

1. Water supply within building.
2. DELETED
3. DELETED
4. DELETED
5. DELETED
6. Sanitary sewerage to five feet outside building.
7. Storm water drainage to five feet outside building.
8. Plumbing fixtures.
9. Sanitary waste and vent piping
10. Fire-suppression systems.
 - a. Wet pipe sprinkler systems.
11. Plumbing connections to equipment furnished by the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract, and Civil Contract.
12. Gas supply within building to regulator

1.7 MECHANICAL (HVAC) CONTRACT

A. Work in the Mechanical (HVAC) Contract includes, but is not limited to, the following:

1. Energy supply, including hot- and chilled-water supply systems.
2. HVAC systems and equipment.
3. HVAC instrumentation and controls.
4. HVAC testing, adjusting, and balancing.
5. Building automation system tied to existing Main Building systems
6. Mechanical connections to equipment furnished by the General Construction Contract, Plumbing Contract, HVAC Contract, and Electrical Contract,.

B. Temporary facilities and controls in the HVAC Contract include, but are not limited to, the following:

1. Temporary heating, cooling and ventilation once permanent enclosure is achieved and Owner has authorized use of permanent systems.

1.8 ELECTRICAL CONTRACT

- A. Work in the Electrical Contract includes, but is not limited to, the following:
1. Site electric and telecommunications cabling and terminations
 2. Electrical service and distribution.
 3. Emergency power cabling and terminations
 4. Exterior and interior lighting
 5. Communication and security
 6. Special electrical systems, including the following:
 - a. Fire alarm systems.
 - b. Category 6 cabling and testing.
 - c. Fiber connection; building controls to main building
 7. Electrical connections to equipment furnished by the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract, and Civil/Site Contract.
- B. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
1. Electric power service and distribution.
 2. Lighting.
 3. Electrical connections to existing systems and temporary facilities and controls furnished by the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract, and civil Contract.

1.9 CIVIL CONTRACT

- A. Work in the civil Contract includes all work shown on the C-series drawings unless otherwise noted, but is not limited to, the following:
1. Earthwork, demolition and site preparation, erosion and sediment controls, grading.
 2. Structural fill including all special inspections
 3. Structural fill and non-structural fill
 4. Play area preparation for surfacing
 5. Storm drainage pipes and structures, bioentention filters and detention pond.
 6. Site storm drainage from five feet outside building.
 7. Site sanitary sewerage from five feet outside building.
 8. Stormwater Management Practice installation
 9. Water Supply from 6" gate valve outside building
 10. New hydrant
 11. DELETED
 12. Chain link fencing and gates.
 13. Installation of Play area surfacings.
 14. Asphalt and concrete walks, and curbs, sidewalk to curb from entry canopy, sidewalk from covered infant play patio to gate, sidewalk outside infant play gate to pedestrian walk, sidewalk outside gate of Preschool Play area to pedestrian walk, slab at lookout point (play area south), Parking Lots.
 15. Quarry stone in play area.
 16. DELETED.
 17. Site improvements and landscaping

18. Trenching, backfill and tracer wire for gas main by NYSEG
19. Electrical and telecomm pathways and manholes
20. Striping and traffic signage
21. Selective demolition and relocations
22. Light pole and bollard bases
23. Temporary soil stockpile embankment and removal including disposal of excess soils
24. Site preparation including clearing and earthwork
25. DELETED
26. Site development furnishings and equipment

B. Temporary facilities and controls in the Civil Contract include, but are not limited to, the following:

1. Temporary facilities and controls that are not otherwise specifically assigned to the General Contract, Plumbing Contract, HVAC Contract, and Electrical Contract.
2. Sediment and erosion control.
3. DELETED
4. DELETED
5. DELETED
6. Temporary roads and paved areas.
7. Excavation support and protection, unless required solely for the Work of another contract.
8. Site enclosure fence and tree protection, barricades and warning sign

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION