

FY16 Year-End Spend Requests-Spivey Hall

Rank	Item Description	Justification	Vendor Name	State Contract Number if applicable	Estimate Cost
1	Albert Schweitzer Memorial Pipe Organ repairs	Due to age and elevated humidity levels in Spivey Hall, the lead boots of the reed pipes in the pipe organ are rapidly oxidizing leading to a failure of the instrument to perform. Left unaddressed, rectifying this deterioration will escalate in cost.	Schantz Organ Company		\$ 65,000
2	Stage lighting dimmer rack (option #2: LED upgrade)	Existing dimmer rack is original to Spivey Hall (25+ years old) and prone to failure. Replacement components are no longer available. When dimmer rack fails, Spivey Hall will not be able to present any events or host rehearsals until replacement is installed. This option grants energy (~18,000kWh annually) and maintenance savings by upgrading the base modules of the 60 most used stage lighting fixtures to LED. Additionally, the dimmer rack replacement is half the size needed for traditional fixtures due to the ability of LED fixtures to be chained.	Barbizon Atlanta & Henderson Electric		\$ 80,000
3	Stage lighting dimmer rack (option #1: direct replacement)	Existing dimmer rack is original to Spivey Hall (25+ years old) and prone to failure. Replacement components are no longer available. When dimmer rack fails, Spivey Hall will not be able to present any events or host rehearsals until replacement is installed.	Barbizon Atlanta & Henderson Electric		\$ 45,000
4	Lighting console replacement (option #2: ETC ION)	Existing lighting console is 15+ years old, obsolete, and no longer supported by the manufacturer. When components fail, replacement parts will be expensive and difficult to locate. Estimate includes 8 hours of training for Spivey Hall staff.	Barbizon Atlanta		\$ 15,000
5	Lighting console replacement (option #1: ETC Element)	Existing lighting console is 15+ years old, obsolete, and no longer supported by the manufacturer. When components fail, replacement parts will be expensive and difficult to locate. Estimate includes 8 hours of training for Spivey Hall staff.	Barbizon Atlanta		\$ 7,900
					\$ 212,900



Combining traditions of the past with a vision

of the future to build pipe organs of distinction.

Schantz Organ Company

March 25, 2016

Tommy McCook
Widener and Company
1552 Pharrs Road
Grayson, Georgia 30017

Dear Tommy,

Thank you for the opportunity to visit Spivey Hall on the Campus of Clayton State University in Morrow, Georgia. We have studied the information obtained from our visit and we are prepared to offer our advice.

We have taken apart the existing swell shade mechanisms on the various expressive divisions of the Ruffatti pipe organ. We have studied the design of the shades and the linkage systems that connect the shades to the electric swell shade motors.

We have consulted with the Peterson Electro-Musical Products company in Alsip Illinois. They are the manufacturers of the swell shade motors. As you know, a newer more powerful version of the Peterson R-100 motor has been sent to Spivey Hall. You have installed this RC-150 model on one of the largest swell shade frames and we have been very satisfied with its performance.

We believe a combination of installing these more powerful motors on the expression system where needed, along with some changes that can be made to the linkage systems that connect the shades to the motors will result in a solution to the ongoing problems that have limited the effectiveness of the expression system on this pipe organ.

We were pleased to find that the original engines on the smaller shade frames are not experiencing wear. The changes that can be made to the linkage systems, along with a thorough re-regulation of the motor to linkage system will allow us to achieve the improvements without having to replace all the motors. This is very good news.

We are impressed with the way you have cared for the pipe organ. It is in very good condition overall. We believe a general cleaning of the pipe organ is not needed at this time. But we studied the problem of lead sugaring on the inside surface of the reed pipe set resonators and boots. Over the years, the pipe organ industry has used alloys of lead, tin and antimony in the construction of parts used in pipe construction because there are naturally occurring chemical shields that are produced in the alloy that protect the metals from corrosion and oxidation.

When metals such as tin and lead are used without alloying, there is a tendency for the metal surfaces to develop problems generally referred to as "tin pest" and "lead sugaring". It is clear that there is evidence of what looks like lead sugaring on the inside surface of reed resonators and boots in the organ.

You have provided us with evidence that indicates the metals used in the construction of some of the boots and resonators in this organ's reed stops are not alloys.

Not all reed stops are affected with this problem. But most are. As the lead sugar oxidation flakes off the metal surface it collects in the reed tongues and shallots affecting their speech.

The solution is to set up scaffolding on the stage in front of the pipe organ. We have to temporarily remove enough pipework from the façade to remove all the affected reed stops from the organ. We have to carefully wrap each pipe and place them in transportation trays and return them to our workshop.

Once we have the sets here, we will take each reed pipe apart. We will clean the inside surfaces of the resonators and boots. Then we will seal the metal surfaces with lacquer to prevent any further oxidation. The reed sets will then be reassembled and regulated on our voicing machines to make certain they are operating properly.

We will then pack the reed pipes in trays for the return to Spivey Hall. We will send a crew to put the pipes back in the pipe organ and carefully tune and regulate each reed set. During this return trip the work to correct the expression system will also be completed.

We believe we can schedule a removal trip in June of 2016 and a trip to return the reeds and complete the project in August 2016. This is highly detailed work. It involves a tremendous amount of skilled craftsman labor. It is almost impossible to say in advance how long this work will take. It must be done thoroughly and carefully.

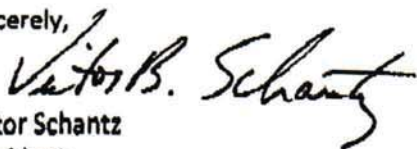
However, we feel the project can be accomplished successfully and the instrument can be rendered trouble free. So, we propose performing the work on a time and material basis with a not to exceed price of \$65,000. We will keep track of all the labor and material expended and we will only charge for what it actually costs. We believe this is in the best interest of everyone concerned. A bid must be made high to cover unknowns. On a time and material basis, we believe Spivey Hall we save money.

We will provide full replacement value insurance coverage for the reed sets while they are in our care. A certificate of insurance that details all coverage will be provided. We will utilize your services as curator of the organ to oversee and inspect our work as the project goes along.

We can provide a contract document covering the details of the project, with payment terms, etc. at your request.

We would ask that you meet with the officials at Spivey Hall to review our recommendations. If there are any questions, or if you need additional information, please do not hesitate to contact me.

Sincerely,



Victor Schantz
President
Schantz Organ Company

Tommy McCook
Widener and Company, Inc.
1552 Pharrs Road
Grayson, GA 30017-1007

April 14, 2016

Michael Ozment
Spivey Hall
Clayton State University
2000 Clayton State Blvd
Morrow, GA 30260-1250

Dear Michael,

To further understand what is happening with the reed stops in this Ruffatti organ, I will explain some of the construction of these stops.

There is actually a vibrating metal tongue at the base of these stops versus just moving air in flue (Principals and Flutes) stops. The vibrating tongue is enclosed in a metal boot to direct the air to the tongue. In this organ, most of the boots are made of poured lead. If this material is not hammered, milled or sealed in some way, microscopic pores are left in the outer layers. It appears that none of these actions were applied to these cast boots. Pure lead (95%+) is a metal that oxidizes fairly rapidly forming a white powder coating. When this powder sloughs off, it blows into the reed tongue and interferes with the regulation and tuning of each pipe. With the very high humidity (70%+) we experienced in Spivey Hall this past year, this oxidation has accelerated to the point that the reeds are going out of regulation and they are now difficult to keep in tune.

We recommend that all the reeds be taken out, cleaned, lead boots sealed, put back in, re-regulated and tuned as soon as possible so that we do not have embarrassing tuning problems in the future, especially in the important 25th Anniversary of the pipe organ.

Thank you for your attention to this problem.

Sincerely,

Tommy McCook
Widener and Company, Inc.



Quotation

Payments, Contracts and Documents addressed to:

Barbizon Charlotte, Inc.

dba Barbizon Atlanta

1483 Chattahooche Avenue NW, Suite D Atlanta, GA 30318

Tel: 404-681-5124 Fax: 404-681-5315

Date 4/4/2016

Project Name: Spivey Hall

Dimming Replacement and

LED Conversion

Quote #0416WW085

TO Michael Ozment, General Manager

EMAIL michaelozment@clayton.edu

PHONE 678-466-4483

FAX

QTY	STOCK #	DESCRIPTION	UNIT	TOTAL
1		Replacement Dimming		
2	1	Custom ETC Dimming System to include:	17168.94	\$ 17,168.94
3		1 - SR3-24 dimming enclosure with door		
4		1 - CEM3 controls processor		
5		21 - D20 dual 20 amp dimmer modules		
6		3 - CC20 dual 20 amp constant current modules		
7	6	CSR-W Colorsource Relay wireless DMX receiver	302.58	\$ 1,815.48
8	1	CST-W Colorsource Relay wireless DMX transmitter	302.58	\$ 302.58
9	7	5P-2.5-DP 2.5' DMX extension cable to go from Colorsource Relay to first fixture, and from console to transmitter unit	26.05	\$ 182.35
10	54	5P-10-DP 10' DMX extension cable	28.99	\$ 1,565.46
11	6	Estring Estring extension cable for daisy chaining power to Source 4wrđ fixtures	69.14	\$ 414.84
12	60	Source 4wrđ ETC Source 4wrđ LED ellipsoidal lamp burner assembly	599.00	\$ 35,940.00
13	1	Technician Barbizon Technician to complete data wire terminations, commission and turn on dimming rack, and program processor	957.52	\$ 957.52
14	1	Lighting Techs Barbizon Lighting Technicians to swap out lamp burner assembly units for LED units, run cabling and power extensions	3510.90	\$ 3,510.90
15	1	Freight Shipping and handling		
16		Subtotal		\$ 62,452.53
		Estimated Tax Exempt		\$ -
		TOTAL		\$ 62,452.53
<p>*An Electrical Contractor (EC) is responsible for providing and installing all conduit, back boxes, line and load side wiring, pulling of line and load side wiring, terminating all line and load side wiring within devices, pulling low voltage wiring, and all standard utility receptacles as required by the theatrical system. EC is also required to mount any and all equipment racks and/or dimmer racks and land and terminate any and all line and load side wiring within them. All pricing for this equipment and services is not reflected in this quote.</p> <p>*This quotation and any accompanying documents are the intellectual property of Barbizon Lighting and may not be redistributed without permission.</p>				

BARBIZON PROJECT MANAGEMENT SERVICES:

Project Management Services: Services include, but are not necessarily limited to the following:

Contractor Coordination - includes providing information to and answering technical questions for contractors of other trades, primarily the electrical contractor.

On Site Services - includes making site visits as necessary and required to oversee job progress and answer questions for the owner, owners representative, or contractors.

Scheduling - includes coordinating delivery of equipment as well as scheduling of Barbizon and factory employed service technicians.

Documentation - includes providing submittal drawings, close out information, as well as other documentation as necessary to complete the project.

SERVICES:

Drawings: Four sets of B size drawings for approval submitted within 4 weeks of receipt of order, if required.

Terminations: Termination of all data wiring to be done by factory authorized, Barbizon employed technician. All wire within conduit and the pulling of the wire shall be provided by others.

Turn-On & Training: The services of a factory authorized, Barbizon employed technician who shall check the installation, energize the equipment and demonstrate its proper operation. Such services to be supplied on 14 days notice and not to exceed 1 full working day.

Manuals: Two sets of Operation Manuals

Warranty: Two year limited warranty on parts and workmanship.

Production: Production requires 3-6 weeks for delivery of equipment after receipt of written approval and release.

PROJECT NOTES:

- FOB Manufacturer, ground freight allowed (included)
- This quotation does not include installation, except where specifically stated.
- **Duties, taxes, fees, if applicable are not included in this quote, unless specifically called out.**
- Submittals are billable upon delivery at 5% of the total order.
- Terms are Net 30 with open account in good standing.
- This quote is based on Barbizon's interpretation of the project.

Orders will only be accepted limited to the bill of materials and/or scope of work detailed.

· This quotation and any accompanying documents are the intellectual property of Barbizon Lighting Company and may not be redistributed without permission.

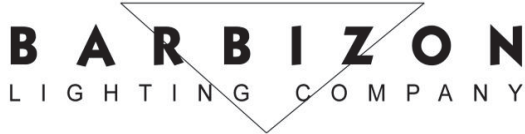
- Asbestos remediation, if called for or encountered is not included.
- No Painting or Patching of walls or ceilings.
- No bonding, job permits, or fees have been included.
- Barbizon's standard insurance applies, certificates available upon request.
- Barbizon's standard Terms and Conditions of sale attached.
- This quotation is valid for **30 days**. Thereafter it is subject to change without notice.

This quotation is not a contract.

Thank you for calling on Barbizon for your lighting needs. Should you have any questions about the above quotation, please feel free to contact me.



Wade Williams
Systems Division



Quotation

Payments, Contracts and Documents addressed to:

Barbizon Charlotte, Inc.
dba Barbizon Atlanta

1483 Chattahooche Avenue NW, Suite D Atlanta, GA 30318
Tel: 404-681-5124 Fax: 404-681-5315

Date 4/4/2016

Project Name: Spivey Hall
Dimming Replacement
Quote #0416WW084

TO Michael Ozment, General Manager
EMAIL michaelozment@clayton.edu
PHONE 678-466-4483
FAX

QTY	STOCK #	DESCRIPTION	
1		Replacement Dimming	
2	1	Custom ETC Dimming System to include:	
3		1 - SR3-48 dimming enclosure with door	
4		1 - CEM3 controls processor	
5		48 - D20 dual 20 amp dimmer modules	
6	1	Technician Barbizon Technician to complete data wire terminations, commission and turn on dimming rack, and program processor	
7	1	Freight Shipping and handling included in System pricing	
8			
		Subtotal	\$ 28,156.15
		Estimated Tax Exempt	\$ -
		TOTAL	\$ 28,156.15
		<p>*An Electrical Contractor (EC) is responsible for providing and installing all conduit, back boxes, line and load side wiring, pulling of line and load side wiring, terminating all line and load side wiring within devices, pulling low voltage wiring, and all standard utility receptacles as required by the theatrical system. EC is also required to mount any and all equipment racks and/or dimmer racks and land and terminate any and all line and load side wiring within them. All pricing for this equipment and services is not reflected in this quote.</p> <p>*This quotation and any accompanying documents are the intellectual property of Barbizon Lighting and may not be redistributed without permission.</p>	

BARBIZON PROJECT MANAGEMENT SERVICES:

Project Management Services: Services include, but are not necessarily limited to the following:

Contractor Coordination - includes providing information to and answering technical questions for contractors of other trades, primarily the electrical contractor.

On Site Services - includes making site visits as necessary and required to oversee job progress and answer questions for the owner, owners representative, or contractors.

Scheduling - includes coordinating delivery of equipment as well as scheduling of Barbizon and factory employed service technicians.

Documentation - includes providing submittal drawings, close out information, as well as other documentation as necessary to complete the project.

SERVICES:

Drawings: Four sets of B size drawings for approval submitted within 4 weeks of receipt of order, if required.

Terminations: Termination of all data wiring to be done by factory authorized, Barbizon employed technician. All wire within conduit and the pulling of the wire shall be provided by others.

Turn-On & Training: The services of a factory authorized, Barbizon employed technician who shall check the installation, energize the equipment and demonstrate its proper operation. Such services to be supplied on 14 days notice and not to exceed 1 full working day.

Manuals: Two sets of Operation Manuals

Warranty: Two year limited warranty on parts and workmanship.

Production: Production requires 2-6 weeks for delivery of equipment after receipt of written approval and release.

PROJECT NOTES:

- FOB Manufacturer, ground freight allowed (included)
- This quotation does not include installation, except where specifically stated.
- **Duties, taxes, fees, if applicable are not included in this quote, unless specifically called out.**
- Submittals are billable upon delivery at 5% of the total order.
- Terms are Net 30 with open account in good standing.
- This quote is based on Barbizon's interpretation of the project.

Orders will only be accepted limited to the bill of materials and/or scope of work detailed.

- This quotation and any accompanying documents are the intellectual property of Barbizon Lighting Company and may not be redistributed without permission.
- Asbestos remediation, if called for or encountered is not included.
- No Painting or Patching of walls or ceilings.
- No bonding, job permits, or fees have been included.
- Barbizon's standard insurance applies, certificates available upon request.
- Barbizon's standard Terms and Conditions of sale attached.
- This quotation is valid for **30 days**. Thereafter it is subject to change without notice.

This quotation is not a contract.

Thank you for calling on Barbizon for your lighting needs. Should you have any questions about the above quotation, please feel free to contact me.



Wade Williams
Systems Division



Quotation

Payments, Contracts and Documents addressed to:

Barbizon Charlotte, Inc.

dba Barbizon Atlanta

1483 Chattahooche Avenue NW, Suite D Atlanta, GA 30318

Tel: 404-681-5124 Fax: 404-681-5315

Date 4/12/2016

Project Name: Spivey Hall

Console Options

Quote #0416WW087.1

TO Michael Ozment, General Manager

EMAIL michaelozment@clayton.edu

PHONE 678-466-4483

FAX

QTY	STOCK #	DESCRIPTION	UNIT	TOTAL
1		Lighting Console Options		
2	1 ION 1K	ETC ION 1K lighting console with a 2 x 20 fader wing and 10,000 control channels	12891.77	\$ 12,891.77
3	2 Monitor	LCD Monitors with DVI inputs	500.00	\$ 500.00
4	1 Technician	Barbizon Technician to provide 2 separate 4 hour training sessions on lighting console	957.52	\$ 957.52
	1 Freight	Shipping and handling	80.00	\$ 80.00
5		Subtotal		\$ 14,567.65
		Estimated Tax Exempt		\$ -
		TOTAL		\$ 14,567.65
<p>*This quotation and any accompanying documents are the intellectual property of Barbizon Lighting and may not be redistributed without permission.</p>				

BARBIZON PROJECT MANAGEMENT SERVICES:

Project Management Services: Services include, but are not necessarily limited to the following:

Contractor Coordination - includes providing information to and answering technical questions for contractors of other trades, primarily the electrical contractor.

On Site Services - includes making site visits as necessary and required to oversee job progress and answer questions for the owner, owners representative, or contractors.

Scheduling - includes coordinating delivery of equipment as well as scheduling of Barbizon and factory employed service technicians.

Documentation - includes providing submittal drawings, close out information, as well as other documentation as necessary to complete the project.

SERVICES:

Drawings: Four sets of B size drawings for approval submitted within 4 weeks of receipt of order, if required.

Terminations: Termination of all data wiring to be done by factory authorized, Barbizon employed technician. All wire within conduit and the pulling of the wire shall be provided by others.

Turn-On & Training: The services of a factory authorized, Barbizon employed technician who shall check the installation, energize the equipment and demonstrate its proper operation. Such services to be supplied on 14 days notice and not to exceed 1 full working day.

Manuals: Two sets of Operation Manuals

Warranty: Two year limited warranty on parts and workmanship.

Production: Productions requires 3-6 weeks for delivery of equipment after receipt of written approval and release.

PROJECT NOTES:

- FOB Manufacturer, ground freight allowed (included)
- This quotation does not include installation, except where specifically stated.

- **Duties, taxes, fees, if applicable are not included in this quote, unless specifically called out.**
 - Submittals are billable upon delivery at 5% of the total order.
 - Terms are Net 30 with open account in good standing.
 - This quote is based on Barbizon's interpretation of the project.
- Orders will only be accepted limited to the bill of materials and/or scope of work detailed.
- This quotation and any accompanying documents are the intellectual property of Barbizon Lighting Company and may not be redistributed without permission.
 - Asbestos remediation, if called for or encountered is not included.
 - No Painting or Patching of walls or ceilings.
 - No bonding, job permits, or fees have been included.
 - Barbizon's standard insurance applies, certificates available upon request.
 - Barbizon's standard Terms and Conditions of sale attached.
 - This quotation is valid for **30 days**. Thereafter it is subject to change without notice.
- This quotation is not a contract.

Thank you for calling on Barbizon for your lighting needs. Should you have any questions about the above quotation, please feel free to contact me.



Wade Williams
Systems Division



Quotation

Payments, Contracts and Documents addressed to:

Barbizon Charlotte, Inc.

dba Barbizon Atlanta

1483 Chattahooche Avenue NW, Suite D Atlanta, GA 30318

Tel: 404-681-5124 Fax: 404-681-5315

Date 4/12/2016

Project Name: Spivey Hall

Console Options

Quote #0416WW087.2

TO Michael Ozment, General Manager

EMAIL michaelozment@clayton.edu

PHONE 678-466-4483

FAX

QTY	STOCK #	DESCRIPTION	UNIT	TOTAL
1		Lighting Console Options		
2	1 LMNT-60-500	ETC Element lighting console with 60 faders and 500 control channels	6266.00	\$ 6,266.00
3	2 Monitor	LCD Monitors with DVI inputs	500.00	\$ 500.00
4	1 Technician	Barbizon Technician to provide 2 separate 4 hour training sessions on lighting console	957.52	\$ 957.52
5	1 Freight	Shipping and handling	80.00	\$ 80.00
6		Subtotal		\$ 7,891.88
		Estimated Tax Exempt		\$ -
		TOTAL		\$ 7,891.88
<p>*This quotation and any accompanying documents are the intellectual property of Barbizon Lighting and may not be redistributed without permission.</p>				

BARBIZON PROJECT MANAGEMENT SERVICES:

Project Management Services: Services include, but are not necessarily limited to the following:

Contractor Coordination - includes providing information to and answering technical questions for contractors of other trades, primarily the electrical contractor.

On Site Services - includes making site visits as necessary and required to oversee job progress and answer questions for the owner, owners representative, or contractors.

Scheduling - includes coordinating delivery of equipment as well as scheduling of Barbizon and factory employed service technicians.

Documentation - includes providing submittal drawings, close out information, as well as other documentation as necessary to complete the project.

SERVICES:

Drawings: Four sets of B size drawings for approval submitted within 4 weeks of receipt of order, if required.

Terminations: Termination of all data wiring to be done by factory authorized, Barbizon employed technician. All wire within conduit and the pulling of the wire shall be provided by others.

Turn-On & Training: The services of a factory authorized, Barbizon employed technician who shall check the installation, energize the equipment and demonstrate its proper operation. Such services to be supplied on 14 days notice and not to exceed 1 full working day.

Manuals: Two sets of Operation Manuals

Warranty: Two year limited warranty on parts and workmanship.

Production: Production requires 3-6 weeks for delivery of equipment after receipt of written approval and release.

PROJECT NOTES:

- FOB Manufacturer, ground freight allowed (included)
- This quotation does not include installation, except where specifically stated.

- **Duties, taxes, fees, if applicable are not included in this quote, unless specifically called out.**
 - Submittals are billable upon delivery at 5% of the total order.
 - Terms are Net 30 with open account in good standing.
 - This quote is based on Barbizon's interpretation of the project.
- Orders will only be accepted limited to the bill of materials and/or scope of work detailed.
- This quotation and any accompanying documents are the intellectual property of Barbizon Lighting Company and may not be redistributed without permission.
 - Asbestos remediation, if called for or encountered is not included.
 - No Painting or Patching of walls or ceilings.
 - No bonding, job permits, or fees have been included.
 - Barbizon's standard insurance applies, certificates available upon request.
 - Barbizon's standard Terms and Conditions of sale attached.
 - This quotation is valid for **30 days**. Thereafter it is subject to change without notice.
- This quotation is not a contract.

Thank you for calling on Barbizon for your lighting needs. Should you have any questions about the above quotation, please feel free to contact me.



Wade Williams
Systems Division