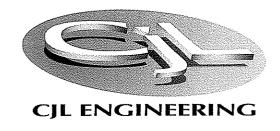
### LETTER OF TRANSMITTAL

**TO:** Purchasing Division 2019 Washington Street, East

P.O. Box 50130

Charleston, WV 25305-0130



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DATE:

December 30, 2009

PROJECT: DCH10030

**Division of Culture and History** 

**The Cultural Center** 

1550 Coraopolis Heights Road - Suite 340

Moon Township, PA 15108 Phone: (412) 262-1220

Fax: (412) 262-2972

E-mail: cjlpgh@cjlengineering.com

WE ARE SENDING YOU	WI	E A	RE	SEI	<b>NDI</b>	NG	YOU
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IF ENCLOS	SED ARE NOT AS NOTE	D, KINDLY NOTIFY US AT ONCE.  BY: Janet W. Liggett	



State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

### Request for

DCH10030

SHELLY MURRAY 304-558-8801

RFQ COPY TYPE NAME/ADDRESS HERE

CJL Engineeering 1550 Coraopolis Hgts Rd, #340 Moon Township, PA 15108

412-262-1220 Ph:

DIVISION OF CULTURE & HISTORY

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CULTURAL CENTER 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 558-0220 25305-0300

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Janet W. Ligge	ett, Office Ma	nager	
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CJL Engineering



RFQ COPY

State of West Virginia
Department of Administration
Purchasing Division
Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

## Request for

SHELLY MURRAY 304-558-8801

DIVISION OF CULTURE & HISTORY

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CULTURAL CENTER 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305-0300 558-0220

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Phone: 412-262-1220 Fax: 412-262-2972 Contact: Janet Liggett

jliggett@cjlengineering.com E-mail:

### PITTSBURGH V JOHNSTOWN V YOUNGSTOWN

CJL ENGINEERING

December 30, 2009

Purchasing Division Attn: Shelly Murray 2019 Washington Street, East P.O. Box 50130 Charleston, WV 25305-0130

Re: RFP #DCH10030

Division of Culture and History - The Cultural Center

Dear Ms. Murray,

CJL Engineering is very interested in the above-referenced project. Given the project description, I believe CJL is the firm for the project and that we can achieve your facility goals. With a blend of solid historic preservation and electrical design experience, CJL Engineering will ensure quality performance.

As you consider CJL Engineering, I would like to point out several of our particular strengths:

Knowledgeable Professional Staff. With a staff of over 100, we have the expertise required. Kent Lewis, proposed project manager, is a Managing Partner with CJL Engineering. His project experience includes numerous historical, educational, commercial, and healthcare projects as well as heading the firm's specialized lighting consulting practice. As engineers, we typically work on several projects at once in various stages of design and construction. However, we recognize the importance of this project, and as such will commit ourselves and our resources to meet the needs of the project and the schedule. Kent Lewis expects to be closely involved throughout the project. He will also be committed to the project all the way through to completion to insure that the WV Cultural Building meets the project goals for electrical lighting and design. Please see Kent's attached resume.

**Experienced Historical Renovation.** CJL has worked on many notable historical renovation projects. Attached are project pages detailing some of representative lighting/historical renovations. In addition, CJL is currently working on the WV Capitol Building # 3 in Charleston, WV. The building required a comprehensive retrofit and upgrade of all mechanical, electrical and plumbing systems. When the architectural and engineering retrofit is completed, State Office Building #3 will achieve LEED® Silver Certification.

**LEED**<sup>®</sup> **Design Experience.** CJL has **s**ubstantial experience in the design, construction and commissioning of high performance and LEED<sup>®</sup> certified buildings emphasizing integrated design and operational strategies for sustainable site development, water conservation, energy efficiency, resource conservation, and indoor environmental quality. CJL Engineering currently has 23 LEED<sup>®</sup> certified professionals on staff.

Please review the attached CJL Firm Overview to review other aspects of CJL Engineering expertise.

We appreciate your time and attention in reviewing our credentials and look forward to the possibility of working with you in the future.

Sincerely,

John J. Wilhelm

President, CJL Engineering

John f. Mills.

JJW/jwl



### Kent A. Lewis, P.E., LC LEED® Accredited Professional

Mr. Lewis is a Managing Partner with CJL Engineering. He joined the firm in 1997 after serving 10 years as an engineer / lighting designer with a large national architectural / engineering firm. His project experience includes numerous educational, commercial, healthcare, institutional projects as well as heading the firm's specialized lighting consulting practice.

### Representative Projects

(Asterisks indicates projects with historical elements):

#### Theater

O'Reilly Theater, Pittsburgh Public Theater Offices, Pittsburgh, PA Heinz Hall Renovations, Pittsburgh, PA\* Byham Theater Renovations, Pittsburgh, PA\*

### Churches

St. Paul Cathedral, Pittsburgh, PA\* Shadyside Presbyterian Church, Pittsburgh, PA\* St. Paul the Cross Father Foley Shrine, Pittsburgh, PA\*

### Education

Pittsburgh Board of Education, Center for the Creative and Performing Arts High School, Pittsburgh, PA University of Pittsburgh Blaisdell Hall, Bradford, PA Davidson College Grey Music Hall, Davidson, NC Point Park University Dance Studio, Pittsburgh, PA - LEED® certified Penn State University

Behrend College Lab / Student Complex, Erie, PA Scheyers Honors College, University Park, PA Watts Hall Renovation, University Park, PA\*

Lebanon Valley College Garber Science Center, Annville, PA Grafton Middle / High School, Grafton, VA

Seton Hill University, Administration/Theater Buildings, Greensburg PA\* Westminster College, McKelvey / Thompson Clark Halls New Wilmington, PA\*

Butler County Community College Science Technology & Cultural Center, PA Washington & Jefferson College Vilar Technology Center, Washington, PA The Art Institute of Pittsburgh, Pittsburgh, PA\* Point Park University, Pittsburgh, PA\*

### Corporate

Kvarner Office Building, Pittsburgh, PA Station Square, Freight House, Pittsburgh, PA\*

### Hotels

Omni William Penn Hotel, Pittsburgh, PA

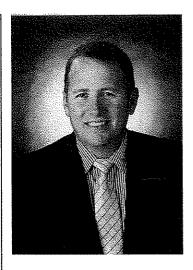
### **Health Care**

UPMC East, Monroeville, PA – LEED® Silver

UPMC Presbyterian Hospital Diagnostic / Treatment Center, Pittsburgh, PA UPMC Passavant Hospital, various electrical design projects, Pittsburgh, PA UPMC Passavant Hospital, North Hills, PA, Pavilion Addition - LEED<sup>®</sup> Ohio Valley Hospital Special Procedures Suite, McKees Rocks, PA UPMC Montifiore Bridge, Pittsburgh, PA

### Transportation

Dulles Airport APM Station, Washington, DC



#### TITLE:

Managing Partner

#### SPECIALIZATION:

Architectural Lighting

### **EDUCATION:**

The Pennsylvania State University, Bachelor of Architectural Engineering, 1984

### REGISTERED PROFESSIONAL ENGINEER:

Pennsylvania
West Virginia
Ohio
Illinois
North Carolina
Georgia
District of Columbia
Indiana

### MEMBERSHIPS/ACTIVITIES:

LEED® Accredited Professional

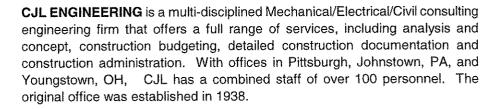
Illuminating Engineers Society of North America

Speaker, Penn State University, Archival Conference, "Library Lighting"

Professional Consultant, LaRoche College, Pittsburgh, PA – Thesis Review for Interior Lighting Class



### FIRM OVERVIEW



As engineers, we typically work on several projects at once, in various stages of design and construction. However, we recognize the importance of this project, and as such will commit ourselves and our resources to meet the needs of the project and the schedule. Kent Lewis expects to be closely involved throughout the project. He will also be committed to the project all the way through to completion to insure that the WV Cultural Building meets the project goals for electrical lighting and design.

**CJL ENGINEERING** has substantial experience in the design, construction and commissioning of high performance and LEED® certified buildings, emphasizing integrated design and operational strategies for sustainable site development, water conservation, energy efficiency, resource conservation, and indoor environmental quality.

The areas of specialization provided by **CJL ENGINEERING** include:



Boiler

Chiller Central Plants

Geothermal Heat Pump Systems

Life Safety Systems

Electrical Systems

Primary Power & Distribution

Cogeneration

Emergency, Standby Power

Civil Engineering

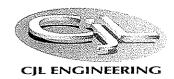
Site Development

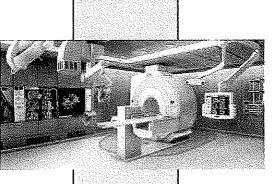
Subdivision - Water

Site Development - Sanitary

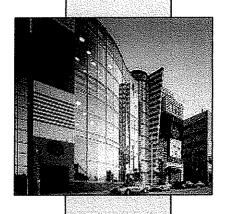
- LEED® Green Building Design
- Building Management Systems
- Architectural Lighting & Controls
- Telecommunications
- Voice/Data/Audiovisual
- Security
- Power System/Quality Evaluations
- Energy Conservation Studies
- Life Cycle Analyses
- Retrofit Evaluations
- Commissioning
- Plumbing
- Fire Detection & Protection

CJL ENGINEERING serves a broad range of clients that include: Historic and Adaptive Retrofit, Schools (K-12), Performing Arts Centers and Theaters, Libraries, Colleges and Universities, Healthcare (Hospitals/Medical Centers), Government and Secure Facilities, High Tech Buildings, Mission Critical Data Centers, Hotels, Resorts, Apartments, Retirement and Assisted Living Communities, Central Plants and Utilities, Green Buildings, Science, Laboratory and Research Facilities, and Telecom Facilities, Office Buildings, , Transportation, as well as Master Planning and Design.









### PITTSBURGH # JOHNSTOWN # YOUNGSTOWN

### HISTORIC RENOVATIONS

Baker Mansion, Altoona, PA

Benedum Theater, Pittsburgh, PA

Bitz Building, Pittsburgh, PA

Byham Theater, Pittsburgh, PA

Cambria County Central Park Complex & Academic Center, Johnstown, PA

Carnegie Mellon University, Pittsburgh, PA

Church of Our Mother of Sorrows, Johnstown, PA

Clarion County Courthouse, Clarion, PA

Clarion University of Pennsylvania, Founders Hall, Clarion, PA

Clearfield County Courthouse, Clearfield, PA

Community Art Center, PA College of Technology, Williamsport, PA

**Community College of Allegheny County** 

Erie History Center, Erie, PA

Fulton Building, Pittsburgh Renaissance Hotel, Pittsburgh, PA

Knobloch Campus Center & Theater, Davidson College, Charlotte, NC

Mishler Theater, Altoona, PA

Oakmont Country Club, Oakmont, PA

Old Economy Village, Ambridge, PA

Old Mifflin County Courthouse, Lewistown, PA

Pennsylvania State University, Behrend Campus

Point Park University, Pittsburgh, PA

Seton Hill College, Administration Building

Soldiers & Sailors Memorial Hall, Museum, Pittsburgh, PA

St. John Gaulbert Cathedral, Johnstown, PA

St. Paul Cathedral, Pittsburgh, PA

State Theater, Uniontown, PA

Station Square Freight House, Pittsburgh, PA

University of Pittsburgh, Nationality Rooms, Pittsburgh, PA

Villa Maria Center, Erie, PA

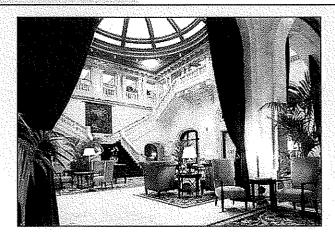
Westminster College, Thompson/Clark Hall

Wooster College, Kenarden Lodge, Wooster, OH

# Pittsburgh Renaissance Hotel & Byham Theatre

Adaptive Retrofit of Historic Structure Pittsburgh, PA



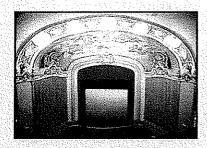


### The Project:

Listed on the National Register of Historic Hotels, the restoration and adaptive retrofit of the historic Fulton Building provided the location for the new Renaissance Pittsburgh Hotel. The 14-story building with a copper-clad roof was originally designed by Architect, Grosvenor Atterbury, and is regarded as one of the architectural treasures of Pittsburgh's "Cultural District". The hotel has 300 upscale guest rooms and luxury suites, a business center, wine bar, restaurant, cocktail bar, plus 10,000 Sq. Ft. of meeting room space. A restored dome dominates the meticulously restored white marble lobby, with 30 Ft. high ceilings. In addition, the Fulton Building is also home to the 1,300-seat Byham Theatre, a totally restored performance hall dating from 1904.

### **CJL Engineering Design Solutions:**

- The retrofit design of all electrical systems and service for the building.
- The systems included special lighting for the lobby, meeting rooms, all guest rooms, dimming, data / telecom, and public areas.

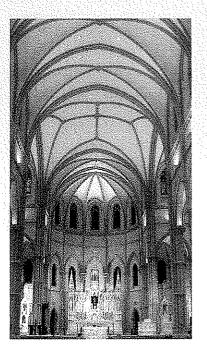






CJL ENGINEERING

# St. Paul Cathedral Pittsburgh, PA



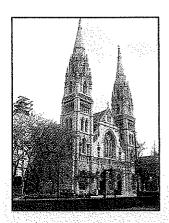
### The Project:

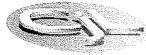
CJL Engineering developed a detailed plan for a comprehensive electrical upgrade at St. Paul Cathedral. The historic structure is located opposite the Oakland Campus of the University of Pittsburgh. St. Paul Cathedral is an example of the scholastic, or decorated, Gothic style of the 14th century. The building rises two hundred and forty seven feet with a statue of Saint Paul mounted on the center pediment.

The electrical upgrades were part of a Phase I major renovation to the cathedral to mark its Centenary Anniversary in 2006.

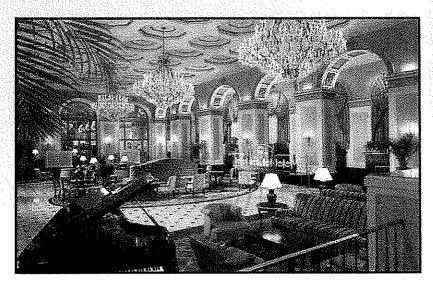
Further upgrades, including architecturally sensitive ADA access and compliance issues, will follow in a Phase II expansion plan.

- Extensive architectural lighting was implemented. Old chandeliers were removed and new down lighting was installed from inside the ceiling vaults. A new integral catwalk within the ceiling enables the new lighting equipment to be serviced.
- Uplighting was designed for the cathedral's nave and transept areas, along with lighting for the interior Gothic arches.
- A dimming system was installed to decrease the maintenance re-lamping costs, and provides greater flexibility in lighting control. The relighting of ancillary interior areas, such as the lower level Mother's Chapel, was also included in Phase I.
- Specific lighting to accommodate television broadcasts was installed at the main altar.
- Electrical service was upgraded to support the new air-conditioning equipment, and the re-lighting design. Building utilization voltage was upgraded from 208 volts to 480 volts.





# Omni William Penn Hotel Pittsburgh, PA



### The Project:

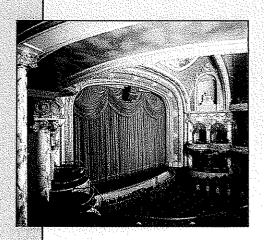
Since 1916, the Omni William Penn Hotel has captivated guests such as John F. Kennedy and Lawrence Welk with its beauty and elegance. With 596 guest rooms and suites, and 52,000 sq. ft. of meeting rooms, it has been celebrated for its comfortable guest room accommodations, award winning cuisine and exquisite banquet space. This Pittsburgh luxury hotel has been restored to its original grandeur.

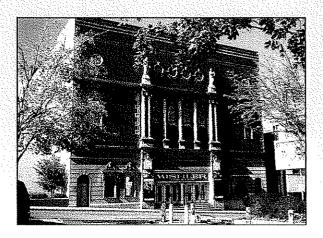
- CJL Engineering upgraded and renovated areas of the hotel including: Site lighting upgrades, Main Lobby Renovations, Health Club, Grant Street Lobby, the Grant Suites Conference area, for meetings and events.
- Specific HVAC services included replacement of two steam boilers and existing piping wiring and control panels associated with the boilers.





### Mishler Theater Historic Restoration & Retrofit Altoona, PA

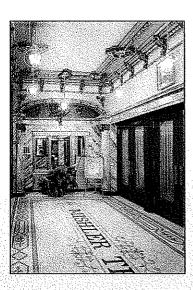


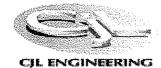


### The Project:

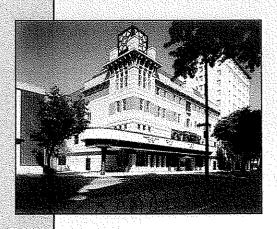
Since 1993, CJL Engineering has been involved in the ongoing restoration of the Mishler Theater, Altoona, PA. Listed on the National Register of Historic Places, the Mishler was built in 1906 and is known for its excellent acoustics. It is Blair County's premier venue for the performing arts, as well as theater productions.

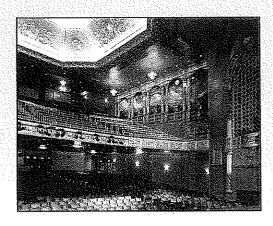
- Low velocity Air Distribution System with lined, sound-absorbing ductwork provides extremely low dB levels.
- Theater-style linear ceiling diffusers blend in with the restored ceiling.
- Restored front lobby with decorative lighting.
- Emergency Lighting and Exit Sign System.
- A new Electric Service was sized for a new Stage Lighting and Dimming System and for future power for stage for road shows.
- Addressable Fire Alarm System with audible and visual devises designed to PA Dept. of Labor and Industry and National Fire Protection Association (NFPA) guidelines.





### Community Art Center Pennsylvania College of Technology Williamsport, PA

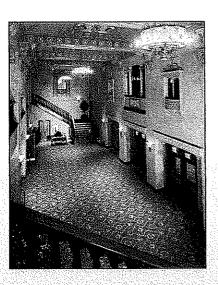




### The Project:

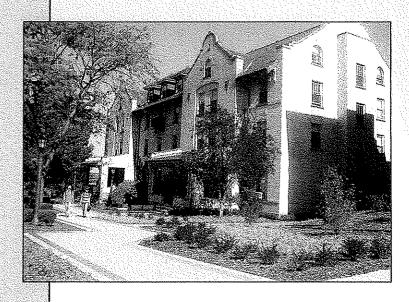
The former Capitol Theater in Williamsport, PA received a total retrofit and sensitive historic renovation, emerging as the Community Art Center. The performing arts complex seats 2,200 people. CJL Engineering designed all HVAC, Electrical and Plumbing Systems, retrofit within the recreated original interior that existed in 1928.

- The HVAC system features quiet air distribution with less than a 20 dB sound at maximum level.
- New chillers, air-handling and distribution units have direct digital controls.
- Original lighting fixtures were restored. New stage lighting and sound system were added.
- New theatrical lighting, new fire alarm, security and emergency lighting systems.
- The 30,000 sq. ft. addition included a new facade, a landmark tower, front marquee, dressing rooms, backstage space, restrooms, art galleries and offices.
- The performance stage was enlarged.
   New dressing and practice rooms added.





# **Becht Hall**Clarion University of Pennsylvania Clarion, PA

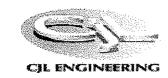




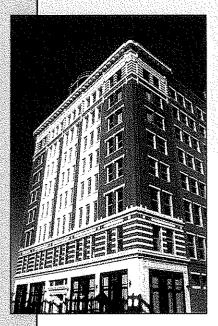
### The Project:

Erected in 1908, Becht Hall has been placed on the National Register of Historic Places due to its unique architectural style. The same architectural firm that was responsible for the original Los Angeles campus of UCLA designed this Mission-style building. This all female residence hall is centrally located on the campus. Becht Hall houses 160 women and was initially called Navarre Hall, but later renamed for the institution's 3<sup>rd</sup> President, J. George Becht.

- Renovations to the structure addressed Ventilation and Plumbing upgrades
- Completely new toilet and shower rooms were designed and included newly-poured floors to correct a long-standing water leaking problem



### The Bitz Building Pittsburgh Cultural District Pittsburgh, PA

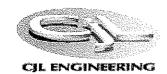


### The Project:

This 9-story Beaux Arts style building, dating from 1912, received a major renovation from its new owner, the Bitz Foundation. Located on 9<sup>th</sup> Street, in the heart of Pittsburgh's Cultural District, the 100,000 sq. ft. structure was converted into a mixed-use complex.

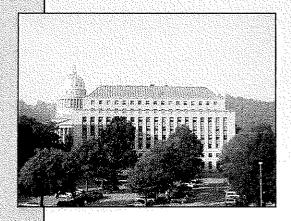
The scope of work included the complete retrofit of the building's Mechanical and Electrical services. CJL Engineering provided Consulting Engineer Services for the renovation / retrofit.

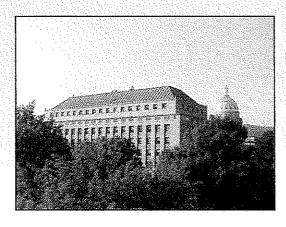
- Phase I Implemented the "Green Building" approach on heat recovery when designing the HVAC system. The first two floors of the Bitz Building were would be the home to *Dowe's on 9<sup>th</sup>*, a Pittsburgh Jazz Club.
- The club features an expansive first floor restaurant, two bars, a dance floor, and stage area. A wrap-around mezzanine provides added seating and enhances the spatial volume of the club. The basement contains a prepkitchen and storage area.
- The 15,900 sq. ft. club features extensive use of energy-efficient specialty lighting and also stage lighting. The installation of the building base systems serve both Phase I and Phase II.
- A water source Heat Pump System used with a BAC cooling tower.
- Two self-contained bi-level penthouse units dominate the rooftop. Both units remained in full use during the construction phasing of the work. New offices for the Bitz Foundation will be located on the 9<sup>th</sup> floor.
- Phase II Included the expanded Electrical Design to accommodate additional classroom space comprising six (6) existing floors (3-through-8) that are now connected to the City of Pittsburgh's new \$38.5 million CAPA (Creative Arts / Performing Arts) High School on adjoining land donated by the Bitz Foundation.



### State Office Building #3 (LEED Silver)

West Virginia Capitol Complex Charleston, WV





### The Project:

The West Virginia State Office Building #3 is a 235,000 sq. ft. 10-story limestone-faced structure that is part of the Capitol Complex in Charleston, WV. Built in the early 1950's the structure houses a number of different state offices. The building required a comprehensive retrofit and upgrade of all Mechanical, Electrical and Plumbing Systems. When the architectural and engineering retrofit is completed, State Office Building #3 will achieve LEED® Silver Certification.

- All existing MEP equipment will be replaced with new systems and the building will be brought up to meet current code requirements.
- Heating and cooling systems will be connected to the existing campus wide steam and chilled water systems.
- New electrical service and equipment will be provided to serve the building including a new emergency generator.
- All new plumbing systems, including new fixtures, will be installed.
- Fire protection systems will be installed for a fully sprinklered building with a new fire pump located in the basement.
- The building will be LEED<sup>®</sup> Certified.



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NSU	RED	Ç,	JL Engineering, Carl J Long & /	Associates, C J L. Properties	INSURER A: Ha	artford Casualty Ins	surance Company	$\exists$	29424	
		LF	, Dynamic Design Eng., Inc., J	J W Acquisition	INSURER B: Ha	artford Underwriter	s Insurance Company		30104	
			550 Coraopolis Heights Road, S		INSURER C: Ha	artford Insurance C	ompany of the Midwest		37478	
				suite 340	INSURER D: BE	INSURER D: Beazley Insurance Company				
Moon Township, PA 15108					INSURER E:					
	/ER/		······································	W HAVE BEEN ISSUED TO THE INS	SUBED NAMED ABOV	/F COD THE DOLLO	ACTION WOLLD TEN MOTO	*****	OTANONIO.	
AI M	AY PE DLICII	ERTA ES. A	REMENT, TERM OR CONDITION ( IIN, THE INSURANCE AFFORDED	OF ANY CONTRACT OR OTHER DO BY THE POLICIES DESCRIBED HEI HAVE BEEN REDUCED BY PAID C	CUMENT WITH RESI REIN IS SUBJECT TO	PECT TO WHICH TH	IS CERTIFICATE MAY BE ISS	SHEE	OR	
SR TR	ADD'L INSRE		TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE	POLICY EXPIRATION DATE (MM/DD/YY)	LIMIT	s		
A		•	NERAL LIABILITY	40SBARU6020	04/04/2009	04/04/2010	EACH OCCURRENCE	\$	1,000,000	
•		X	COMMERCIAL GENERAL LIABILITY	4005/1100020	04/04/2009	04/04/2010	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	300,000	
			CLAIMS MADE X OCCUR				MED EXP (Any one person)	\$	10,000	
			······································				PERSONAL & ADV INJURY	\$	1,000,000	
							GENERAL AGGREGATE	s	2,000,000	
		GEN	V'L AGGREGATE LIMIT APPLIES PER:				PRODUCTS - COMP/OP AGG	\$	2,000,000	
			POLICY X PRO- X LOC				T NODOCIO - COMPTON AGG	*	21444144	
3		AUT X	OMOBILE LIABILITY ANY AUTO	40UECTR5726	04/04/2009	04/04/2010	COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000	
			ALL OWNED AUTOS SCHEDULED AUTOS				BODILY INJURY (Per person)	\$		
		X	HIRED AUTOS NON-OWNED AUTOS		Print Assessment		BODILY INJURY (Per accident)	\$		
							PROPERTY DAMAGE (Per accident)	\$		
		GAR	RAGE LIABILITY				AUTO ONLY - EA ACCIDENT	\$		
			ANY AUTO				OTHER THAN AUTO ONLY: AGG	\$		
\ \		EXC	ESS/UMBRELLA LIABILITY	40SBARU6020	04/04/2009	04/04/2010	EACH OCCURRENCE	\$	1,000,000	
		Х	OCCUR CLAIMS MADE				AGGREGATE	\$	1,000,000	
			•••••••					ŝ		
			DEDUCTIBLE					\$		
j			RETENTION \$					\$		
	WOR	KERS	COMPENSATION AND	40)150004754	04/04/0000	0.440.420.040	X WC STATU- OTH- TORY LIMITS ER	y .		
ĺ	EMPL	OYE	RS' LIABILITY	40WECPP4751	04/04/2009	04/04/2010	E.L. EACH ACCIDENT	\$	500,000	
			RIETOR/PARTNER/EXECUTIVE MEMBER EXCLUDED?				E.L. DISEASE - EA EMPLOYEE	<del> </del>	500,000	
ĺ	If yes,	desci	ribe under ROVISIONS below		manyana and and and and and and and and and		E.L. DISEASE - POLICY LIMIT	\$	500,000	
	OTHE	R	onal Liability	V1031B090101	12/15/09	12/15/10	\$1,000,000 Each Claim/\$2,000	·········		
			· .						•	
sc	RIPTIC	ON OF	OPERATIONS / LOCATIONS / VEHICE	ES / EXCLUSIONS ADDED BY ENDORS	EMENT / SPECIAL PRO	VISIONS				
J(	is ir	nclud	led as an additional insured on	general liability as respects loss	es arising out of the	e ongoing operatio	ns of the named insured.			
						•				
	TIELC	ATE	E NOI DED		04N0F: 14T	101:				
±K	uric	AIL	HOLDER		CANCELLAT	***************************************				
							ED POLICIES BE CANCELLED B			
					ł			30	DAYS WRITTEN	
P					NOTICE TO THE C	NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL				
					IMPOSE NO OBLIC	IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR				
					REPRESENTATIVE					
					AUTHORIZED REI	PRESENTATIVE	. Cellelly_			
					1	ملفؤهمة				