

## MEMORANDUM

Date: June 14, 2016

To: Bidders for the  
**14 Riverside Drive Renovations**  
**14 Riverside Drive, Asheville, North Carolina 28801**

From: Shane Elliott, LEED AP  
Mathews Architecture, P.A.

Re: **ADDENDUM NO. 1**  
**14 Riverside Drive**  
**City of Asheville**

The attached is **Addendum No. 1**, which includes additions, deletions, modifications, and/or clarifications to the above referenced Project Documents released for bids on June 13, 2016, and dated October 27<sup>th</sup> 2015. Please incorporate this into your Bid Documents upon receipt and sign the "Form of Proposal" acknowledging receipt of Addendum No. 1. The date for receipt of bids remains unchanged. It is 2:00 PM, Wednesday, July 6th, 2016.

### **GENERAL ADDENDUM ITEMS**

#### **ITEM NO. G -1:**

Minutes from the mandatory pre-bid meeting held on Monday, June 13<sup>th</sup> at 14 Riverside Drive, Asheville, NC 28801 are attached.

#### **ITEM NO. G-2:**

The Bidders Log of attendees at the mandatory pre-bid meeting are attached. Only the General Contractors listed as attending the mandatory pre-bid meeting are qualified to bid as prime bidders.

**ARCHITECTURAL ADDENDUM ITEMS**

**PROJECT MANUAL ITEM #1**

Please see Attached Environmental Report by MACTEC Engineering for asbestos and lead based paint abatement.

**PROJECT MANUAL ITEM #2**

Work hours shall be increased to 7am – 7pm 7 days a week.

**CIVIL ENGINEERING ADDENDUM ITEMS**

**ITEM NO. C-1**

Civil Design Concepts has applied for Water Availability Letter for the Project.

**ELECTRICAL ITEM E-1**

Please see attached E-1 Addendum for Revisions to Communication Access, and drawing EBD-1 for further clarification.

**ATTACHMENTS:**

- Pre-Bid Meeting Bidders Log (3 pages)
- Mandatory Pre-Bid Meeting Minutes
- Environmental Report by MACTEC Engineering
- Addendum E-1
- Drawing EBD-1

Thank You,



Shane Elliott, LEED AP

Mathews Architecture, PA

# PRE-BID MEETING

**PROJECT NAME:** 14 Riverside Renovation

**PROJECT:** Project # RAD-15-16-001

**DATE:** June 13, 2016

**LOCATION:** 14 Riverside drive, site of project



NAME	COMPANY	TELEPHONE	EMAIL ADDRESS	WHERE DID YOU ABOUT THIS OPPORTUNITY
CHUCK RADFORD	GOFORTH BUILDERS	828-298-8093 828-775-8094	hillsted@gmail.com Doug Hill	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other <u>AR</u>
ERIC OURSLER	COOPER CONSTRUCTION	828-692-7238 828-545-9344	EOURSLER@COOPERCONST.COM	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
SCOTT CROCKETT	CAROLINA CORNERSTONE CONSTRUCTION	828-243-2438	SCOTTDALECROCKETT@GMAIL.COM	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
Stacy Merten	City of Asheville Historic Resources	828-259-5836	Smerten@ashevillenc.gov	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
Trey Ford	Cooper Const.	329-1892	Ford@CooperConst.com	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other

# PRE-BID MEETING

**PROJECT NAME:** 14 Riverside Renovation

**PROJECT:** Project # RAD-15-16-001

**DATE:** June 13, 2016

**LOCATION:** 14 Riverside drive, site of project



NAME	COMPANY	TELEPHONE	EMAIL ADDRESS	WHERE DID YOU HEAR ABOUT THIS OPPORTUNITY
Matt Wallace	Amecl Foster Wheeler E&E	828-252-8130	matthew.wallace @ ameclfw.com	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
GREG BORDEN	H&M CONSTRUCTORS	775-5402	gborden@h-mconstructors.com	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
Mike Johnson	Abbott Construction	225-2215	MJOHNSON@ ABBOTT CONSTRUCTION. NET	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
Brenda Mills	COA	(828) 259-8050	bmills@ashevillenc. gov	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
Jason Gilliland	SHE DESIGN STUDIO	828-545-5989	jason@sdsl.com	<input type="checkbox"/> Carolinas AG <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other

# PRE-BID MEETING

PROJECT NAME: 14 Riverside Renovation

PROJECT: Project # RAD-15-16-001

DATE: June 13, 2016

LOCATION: 14 Riverside drive, site of project



NAME	COMPANY	TELEPHONE	EMAIL ADDRESS	WHERE DID YOU ABOUT THIS OPPORTUNITY
John M. Carter	Essential System Engineering	828-232-1694 x205	jmc@eseavl.com	<input type="checkbox"/> Carolinas AC <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input checked="" type="checkbox"/> Other
SHANE ELLIOT	MATTHEWS ARCHITECTURE	(323) 253-4300	SHANE@MATTHEWSARCHITECTURE.COM	<input type="checkbox"/> Carolinas AC <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input checked="" type="checkbox"/> Other
WOODY KLOESEL	KEFA	828-255-0780	WOODY@KLOESEL-ENGINEERING.COM	<input type="checkbox"/> Carolinas AC <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input checked="" type="checkbox"/> Other
Jesse GARDNER	CDC	252-5300	jgardner@cdcgo.com	<input type="checkbox"/> Carolinas AC <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other
				<input type="checkbox"/> Carolinas AC <input type="checkbox"/> IPS Site <input type="checkbox"/> City of Asheville <input type="checkbox"/> Mailing List <input type="checkbox"/> Other

June 13th, 2016

**1412 – 14 Riverside Drive Renovations**  
**Pre-Bid Meeting Minutes**

**Attendees:**

See Pre-Bid Meeting Attendee Log attached to Addendum #1

Also in attendance:

Jane Mathews, Mathews Architecture, PA

[jane@mathewsarchitecture.com](mailto:jane@mathewsarchitecture.com)

Sara Henry, City of Asheville

[SHenry@ashevillenc.gov](mailto:SHenry@ashevillenc.gov)

The following memo was drafted to capture outcomes of our Pre-Bid meeting. Please let MAPA know within three business days if any of the following information is incorrect or incomplete.

**General:**

1. Scope of work was described: Renovations to the Old Asheville Gasworks to include roof removal and replacement, historic brick repair, new openings in historic brick walls, window replacement, new restrooms, new systems installation, new egress deck, and new site work.

**Bidding and Contract:**

1. Contract requirements including, but not limited to the following were discussed: MBE participation, Drug Free Workplace, E-Verify, Instructions to Bidders, and Bid Opening.
2. Contract is 180 days from Notice to Proceed. Notice to Proceed is estimated to be released around the first of September.
3. GC to have sufficient manpower to complete project.
4. GC is responsible for all traffic control including vehicular and pedestrian traffic, as well as all site security issues. Any graffiti or other damage to existing building shall be removed at GC's expense.
5. GC shall locate all utilities prior to beginning work.
6. Work hours as per specifications are 7am to 7pm M-F. See Addendum #1 for further information.
7. GC's were reminded that the Contract carries Liquidated damages of \$500/day.
8. Formal bids will be accepted until 2:00 pm Wednesday, July 6, 2016.
9. 5:00 pm Wednesday June 29<sup>th</sup> will be the deadline for final questions during the Bidding period.
10. 14 Riverside Drive will be accessible to GC's on the following dates during the Bid period:
  - Thursday, June 23rd from 2:00pm till 3:00 pm
  - Tuesday, June 28th from 10:00 till 11:00 am
  - Tuesday, July 5th from 1:00 pm till 2:00 pm

Thank you,

A handwritten signature in black ink, appearing to read "Shane Elliott", written in a cursive style.

Shane Elliott, LEED

Mathews Architecture, P.A.



engineering and constructing a better tomorrow

November 2, 2009

Mr. Bob Apple  
PSNC  
4077 Haywood Road  
Mills River, North Carolina 28759

Subject: **Report of Surveys for Asbestos-Containing Materials and Lead-Based Paint  
14 Riverside Drive Building  
Asheville, North Carolina  
MACTEC Project 6686091834.01**

Dear Mr. Apple:

MACTEC Engineering and Consulting, Inc. (MACTEC) is pleased to present this report of the surveys to identify asbestos-containing materials (ACM) and lead-based paint (LBP) at the approximate 1,800-square foot building located at 14 Riverside Drive in Asheville, North Carolina. This report presents known project information, survey procedures, survey results and qualifications.

### **Project Information**

We understand SCANA/PSNC owns a 0.29-acre property which contains an approximate 1,800 square-foot building at 14 Riverside Drive in Asheville, North Carolina (Buncombe County tax parcel 9638-96-7846-00000). The property is the subject of a potential ownership transfer to the City of Asheville. SCANA requested an asbestos and lead-based paint survey, prior to the potential transfer. The following sections present our survey procedures and results.

#### **Asbestos Survey Procedures**

The asbestos survey began with MACTEC personnel, Mr. Kenneth R. Thorpe (N.C. Asbestos Inspector No. 11908) conducting a visual survey of the building on October 14, 2009. The visual survey began with our personnel walking through the building and observing accessible areas for the presence of suspect ACMs. Both friable and nonfriable suspect ACMs were considered during the course of the survey. Friable materials are those materials that can be pulverized or reduced to powder by hand pressure.

A sampling strategy was determined and bulk samples were obtained. Suspect materials were grouped based on material homogeneity. A homogeneous area is an area which contains materials that seem by texture, color and wear to be uniform and applied during the same general time period. A total of 16 bulk samples were obtained. Each bulk sample obtained was placed in a sealed container and labeled with a consecutive number, location, and the sampling date. This information was logged on our "Bulk Chain of Custody" sheet and the samples were submitted to

our laboratory in Atlanta, Georgia which holds accreditation for bulk sample analysis from the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP).

Suspect materials sampled included: gypsum wallboard, pipe insulation, plaster wall/ceiling materials, corrugated roofing panels, and roof flashing caulk on metal flashing.

Bulk samples obtained were analyzed in general accordance with the procedures outlined in the Method for Determination of Asbestos in Bulk Building Materials, EPA/600R-93/116 method for the analysis of asbestos in building materials by Polarized Light Microscopy (PLM).

### Asbestos Survey Results

Laboratory results for the bulk samples obtained are presented in the attached "PLM Summary Report". The following is a summary of the materials determined to be ACMs. The EPA defines asbestos-containing materials as materials containing more than one percent asbestos. The following summary lists the identified material, general location and percentage and type of asbestos.

Material	General Location	Type and Percentage of Asbestos Present
White pipe insulation (loose)	Adjacent to Radiator	20% Amosite
White pipe insulation with paper wrap	Adjacent to Radiator (on floor and under building)	Insulation – Not Detected Paper Wrap - 10% Chrysotile
White pipe insulation with paper wrap	Adjacent to Radiator (on supply rack)	Insulation – 5% Amosite/20% Chrysotile Paper Wrap – Not Detected
Corrugated Roof Panel	Roof	20% Chrysotile
Roof Flashing Caulk	Roof	10% Chrysotile

The asbestos-containing pipe insulation and wrap are considered friable and were observed to be in poor condition. The corrugated roof panels and roof flashing caulk are considered nonfriable and were observed to be in good condition.

Asbestos was not detected in the following bulk samples: gypsum wallboard and plaster wall/ceiling materials.

### Lead-Based Paint Survey Procedures

The lead-based paint survey began with MACTEC personnel, Mr. Kenneth R. Thorpe, conducting a visual survey of the building on October 14, 2009. The visual survey began with our personnel walking through the building and observing accessible areas for the presence of suspect LBPs.

A sampling strategy was determined and chip samples were obtained. One sample of suspect LBP of each significant homogeneous painted building component was collected. Suspect LBP samples were collected down to the substrate of each component. A total of nine paint chip samples were obtained. Each sample obtained was placed in a sealed container and labeled with a consecutive number, description, location, and the sampling date. This information was logged on our standard forms and the samples were submitted to EMSL Analytical in Kernersville, North Carolina for

analysis using the EPA-recommended method of Atomic Absorption Spectroscopy (AAS). EMSL holds accreditation for lead-based paint chip analysis from the AIHA Laboratory Accreditation Programs, LLC (AIHA-LAP, LLC) under the Environmental Lead Laboratory Accreditation Program (ELLAP).

Suspect LBP samples obtained included the following: silver paint on interior brick wall, wood door, and wood door jamb, dark blue paint and light blue paint on plaster wall, black paint on metal window frame, dark blue paint on wood door, red paint on steel trusses, and gray paint on front door frame.

#### Lead-Based Paint Survey Results

Laboratory results for the paint chip samples obtained are presented in the attached Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B\*/7000B). The following is a summary of the materials determined to be LBPs. The EPA defines lead-based paint as any paint, varnish, stain, or other applied coating that has at least 1 milligram of lead per square centimeter (mg/cm<sup>2</sup>) or 0.5% by dry weight.

Paint Chip Color	General Location	Lead Concentration
Dark Blue	Plaster Walls – corner room (right/south)	10% wt.
Light Blue	Plaster Walls – corner room (left/north)	1.1% wt.
Black	Metal Window Frame – corner room (left/north)	9.0% wt.
Silver	Wood Door – restroom	11% wt.
Dark Blue	Wood Door – entrance to corner rooms	9.9% wt.
Red	Steel Trusses – roof interior	3.9% wt.

In general the identified LBP were in poor condition.

The samples of silver paint on interior brick wall, silver paint on wood door jamb, and gray paint on metal door frame had lead concentrations of less than 0.5% by dry weight.

#### **Recommendations**

MACTEC understands that the building is scheduled for renovation upon ownership transfer to the City of Asheville. It is required by federal and state regulations that friable asbestos-containing materials and non-friable asbestos-containing materials that may become friable during demolition/renovation activities be removed in accordance with all applicable local, state and federal regulations by a licensed abatement contractor prior to demolition/renovation activities that will disturb the materials.

If identified LBP will be disturbed during any demolition/renovation activities, protection of workers performing renovation/demolition activities must be considered. If significant disturbance of LBP is planned, MACTEC recommends that any removal of LBP be performed by a licensed abatement contractor following project-specific removal specifications in accordance with federal

and state regulations. Also, disposal of LBP must be performed in accordance with federal and state regulations.

It is also important to note that paint concentrations below the 1 milligram of lead per square centimeter (mg/cm<sup>2</sup>) or 0.5% by dry weight threshold, when disturbed can result in airborne lead concentrations that exceed the Occupational Safety and Health Administration (OSHA) Action Level.

### Qualifications

This report summarizes MACTEC's evaluation of the conditions observed during the course of the surveys. Our findings are based upon our observations at the subject site and analyses of the samples obtained at the time of the surveys. ACMs and LBP may exist (undetected) in other portions of the building due to inaccessibility or due to an undetectable change in materials. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation.

MACTEC appreciates the opportunity to have provided these services. We would be glad to discuss any of the results contained in this report at your convenience. If there are any questions concerning this report or results please contact us.

Sincerely,

**MACTEC ENGINEERING AND CONSULTING, INC.**



Kenneth R. Thorpe  
NC Asbestos Inspector No. 11908



Dan D. Blair, Jr., P.E.  
Principal Engineer

KRT/DDB:llt

Attachments: PLM Report Summary  
Paint Sample Results

## PLM REPORT SUMMARY

## PLM REPORT SUMMARY

Mactec Engineering and Consulting, Inc.  
 396 Plasters Ave. NE  
 Atlanta, GA 30324 (404) 873-4761

NVLAP Lab No. 101066  
 TDH License No. 30-0306

Client :	Mactec - Raleigh, NC	Mactec Job No. : 6686-09-1834-01
Project :	SCANA - PSNC Ashville Building	Report Date : 10/19/2009
Client Project No.:	N/A	Sample Date : 10/14/09
Identification :	Asbestos, Bulk Sample Analysis	
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

Page 1 of 4

On 10/16/2009, sixteen (16) bulk material samples were submitted by Ken Thorpe for asbestos analysis by PLM/DS.

Lab Sample No.	Sample Description / Location	Asbestos Content
216704	Gypsum Wallboard Adjacent to Radiator 1	None Detected-Wallboard
216705	Gypsum Wallboard Adjacent to Radiator 2	None Detected-Wallboard
216706	Gypsum Wallboard Adjacent to Radiator 3	None Detected-Wallboard
216707	White Pipe Insulation (loose) Adjacent to Radiator 4	20% Amosite-TSI
216708	White Pipe w/ Paper Wrap (on floor) Adjacent to Radiator 5	None Detected-Insulation 10% Chrysotile-Wrap
216709	White Pipe w/ Paper Wrap (on supply rack) Adjacent to Radiator 6	5% Amosite-TSI 20% Chrysotile-TSI
216710	Plaster Ceiling Corner Right Room w/ Hardwood Flooring 7	None Detected-Plaster

These samples were analyzed by layers. The first percentage is the overall asbestos content for the sample. Specific layer or component asbestos content is indicated where relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also state that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Our laboratory utilizes CVAE on a routine basis and does not include point counting unless specifically requested. These reports may not be reproduced except in full. Any unauthorized use or distribution of these reports shall be at the client's and recipient's sole risk and without liability to Mactec Engineering and Consulting, Inc.

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 396 Plasters Ave. NE  
 Atlanta, GA 30324 (404) 873-4761

NVLAP Lab No. 101066  
 TDH License No. 30-0306

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Project :	SCANA - PSNC Ashville Building	Report Date : 10/19/2009
Client Project No.:	N/A	Sample Date : 10/14/09
Identification :	Asbestos, Bulk Sample Analysis	
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

On 10/16/2009, sixteen (16) bulk material samples were submitted by Ken Thorpe for asbestos analysis by PLM/DS.

Lab Sample No.	Sample Description / Location	Asbestos Content
216711	Plaster on Window Sill Corner Right Room w/ Hardwood Flooring 8	None Detected-Plaster
216712	Plaster on Wall Corner Left Room w/ Hardwood Flooring 9	None Detected-Plaster
216713	Plaster on Wall Corner Left Room w/ Hardwood Flooring 10	None Detected-Plaster
216714	Corrugated Roof Panel At Entrance to Roof 11	20% Chrysotile-Roof Panel
216715	Corrugated Roof Panel At Entrance to Roof 12	Not Analyzed-
216716	Corrugated Roof Panel At Entrance to Roof 13	Not Analyzed-
216717	Roof Flashing Caulk on Metal Flashing Roof 14	10% Chrysotile-Caulk

These samples were analyzed by layers. The first percentage is the overall asbestos content for the sample. Specific layer or component asbestos content is indicated where relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also state that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Our laboratory utilizes CVAE on a routine basis and does not include point counting unless specifically requested. These reports may not be reproduced except in full. Any unauthorized use or distribution of these reports shall be at the client's and recipient's sole risk and without liability to Mactec Engineering and Consulting, Inc.

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 Atlanta, GA 30324 (404) 873-4761

NVLAP Lab No. 101066  
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Client :	Mactec - Raleigh, NC	Mactec Job No. : 6686-09-1834-01
Project :	SCANA - PSNC Ashville Building	Report Date : 10/19/2009
Client Project No.:	N/A	Sample Date : 10/14/09
Identification :	Asbestos, Bulk Sample Analysis	
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116	

On 10/16/2009, sixteen (16) bulk material samples were submitted by Ken Thorpe for asbestos analysis by PLM/DS.

Lab Sample No.	Sample Description / Location	Asbestos Content
216718	Roof Flashing Caulk on Metal Flashing Roof 15	Not Analyzed-
216719	Roof Flashing Caulk on Metal Flashing Roof 16	Not Analyzed-

These samples were analyzed by layers. The first percentage is the overall asbestos content for the sample. Specific layer or component asbestos content is indicated where relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also state that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Our laboratory utilizes CVAE on a routine basis and does not include point counting unless specifically requested. These reports may not be reproduced except in full. Any unauthorized use or distribution of these reports shall be at the client's and recipient's sole risk and without liability to Mactec Engineering and Consulting, Inc.

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NVLAP Lab No. 101066  
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Project : SCANA - PSNC Ashville Building Report Date : 10/19/2009  
Client Project No.: N/A Sample Date : 10/14/09  
Identification : Asbestos, Bulk Sample Analysis  
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)  
EPA Method 600/R-93/116

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## STATEMENT OF LABORATORY ACCREDITATION

These samples were analyzed at the Atlanta Branch of Mactec Engineering and Consulting, Inc. in the Asbestos Laboratory at 396 Plasters Ave. NE, Atlanta, GA, 30324. The laboratory holds accreditation from the National Institute of Standards and Technology (formerly National Bureau of Standards) under the National Voluntary Laboratory Accreditation Program (NVLAP). This laboratory also is licensed and authorized to perform as an Asbestos Laboratory in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

The samples were analyzed by polarized light microscopy in general accordance with the procedures described in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116. The results of each bulk sample analysis relate only to the material tested. This report shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the PLM Laboratory Manager.

Analyst : Chris DuBour

PLM Laboratory Manager : Christopher DuBour

Approved Signatory :



**PAINT SAMPLE ANALYSIS RESULTS**

**PAINT SAMPLE ANALYSIS RESULTS**  
**14 Riverside Drive Building**  
**Asheville, North Carolina**  
**MACTEC Project: 6686-09-1834**

<b>SAMPLE NO.</b>	<b>SAMPLE LOCATION</b>	<b>BUILDING COMPONENT/SUBSTRATE</b>	<b>COLOR</b>	<b>%PB BY WEIGHT</b>
1	Interior	Wall/Brick	Silver	0.038
2	Restroom	Door Jamb/Wood	Silver	0.39
3	Corner Room (Right/South)	Wall/Plaster	Dark Blue	10
4	Corner Room (Left/North)	Wall/Plaster	Light Blue	1.1
5	Corner Room (Left/North)	Window Frame/Metal	Black	9.0
6	Restroom	Door/Wood	Silver	11
7	Entrance to Corner Rooms	Door/Wood	Dark Blue	9.9
8	Interior	Trusses/Steel	Red	3.9
9	Front Door	Door Frame/Metal	Gray	0.22



# *Essential Systems Engineering, P.A.*

Mechanical and Electrical Engineers

109 Central Avenue  
Asheville, North Carolina 28801  
(828) 232-1695  
Email info@eseavl.com  
License: C-0516

Robert W. Wiggins, Jr., P.E.  
Dale F. Reynolds, P.E.  
Jeffrey R. Buscher, P.E.

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## **ADDENDUM NO. E-1**

**TO: Mathews Architecture – Shane Elloit**

**PROJECT: 14 RIVERSIDE DR - RENOVATION**

**ESE PROJECT NO.: 7491**

**DATE 6-14-2016**

**SUBJECT BUILDING COMMUNICATION ACCESS**

### **<ELECTRICAL>:**

**ITEM 1> REF. SHEET E1.1, DETAIL 1 PLATFORM:** Provide communications backboard with dedicated suppression type receptacle, ground bar, and service entry sleeve per description on attached bulletin drawing EBD-1. Utilize spare 1P-20 ampere breaker in panel LP, space 30, with 3#12 conductors in 1/2" C. Ground bar to be connected to building service grounding with #6 bare copper conductor.

**ATTACHMENT: EBD-1**

**COPIES TO: file(digital)**

WATER HEATER DISCONNECT  
 HEAT TRACE CIRCUITS  
 EXHAUST FAN (EF-1) DISCONNECT  
 DUPLEX SURGE SUPPRESSION RECEPTACLE ON DEDICATED CIRCUIT

1" GMC WITH WEATHER HEAD, BUSHINGS, AND PULL STRING THROUGH WALL TIGHT TO INTERIOR ROOF STRUCTURE DOWN INSIDE TO TOP OF COMMUNICATIONS BACKBOARD FOR FUTURE USE BY OWNER.

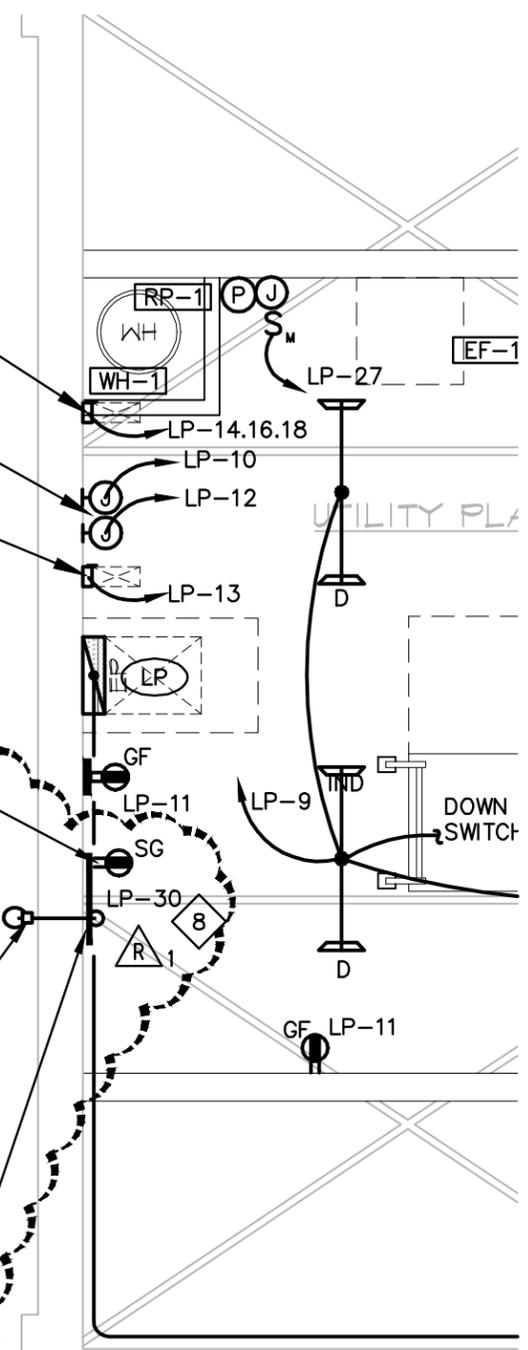
COMMUNICATIONS BACKBOARD 3/4" X 2' X 2' FIRE RATED PLYWOOD

MECHANICAL PLATFORM PLAN - NEW WORK-POWER

SCALE: 1/4"=1'-0"



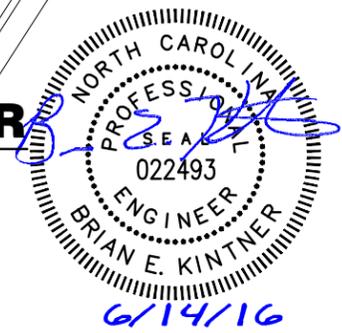
1  
E1.1



8 COMMUNICATIONS BACKBOARD 3/4" x 2' x 2' FIRE RETARDANT PLYWOOD, BOTTOM OF BOARD TO BE 2' AFF, PROVIDE SURFACE MOUNTED DEVICE BOX WITH SURGE SUPPRESSION RECEPTACLE ON DEDICATED CIRCUIT INDICATED, 6" IN FROM LOWER RIGHT CORNER OF BACKBOARD. PROVIDE GROUND BAR KIT 2" x 6" x 1/4" TK PRE-DRILLED COPPER BUS, INSULATOR BETWEEN MOUNTING BRACKET AND BAR.

REVISION DESCRIPTION  
 1 6-14-2016  
 ADD COMMUNICATINS BACKBOARD WITH RECEPTACLE.

SIGNED AND DATED:  
 THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH THE STANDARD CERTIFICATION REQUIREMENTS FOUND IN NC ADMINISTRATIVE CODE 21-56.1103(E). THIS DIGITAL SIGNATURE HAS BEEN FOUND BY THE NC BOARD OF EXAMINERS FOR ENGINEERS AND SURVEYORS TO MEET THESE STANDARDS. PLEASE CONTACT THE SIGNER IF YOU NEED ASSISTANCE IN VALIDATING THE SIGNATURE.



<b>COMMUNICATION BACKBOARD - FUTURE USE BY OWNER</b>	
<b>14 RIVERSIDE DRIVE RENOVATIONS</b> <b>14 RIVERSIDE DRIVE</b> <b>ASHEVILLE NC 28801</b>	PROJECT NO. <b>7491</b> DATE: <b>6-14-16</b> DRAWN BY: <b>JMC</b> SHEET REVISED: <b>E1.1</b> ESE REVISION NO
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